

MILAN S. DIMITRIJEVIĆ

LINE SHAPES INVESTIGATIONS IN YUGOSLAVIA 1962-1985  
(Bibliography and citation index)

ISTRAŽIVANJA OBLIKA SPEKTRALNIH LINIJA U JUGOSLAVIJI 1962-1985  
(Bibliografija i indeks citata)



Beograd  
1990

**PUBLICATIONS DE L'OBSERVATOIRE ASTRONOMIQUE DE BELGRADE**

**FOUNDED 1947**

**PUBLISHING COUNCIL:**

A. Kubičela, Astronomical Observatory, Belgrade, (chairmen)

M.S. Dimitrijević, Astronomical Observatory, Belgrade

M. Kuzmanoski, Department of Astronomy, Faculty of Sciences, Belgrade University,  
Belgrade

J. Purić, Faculty of Sciences, Belgrade University, Belgrade

S. Sadžakov, Astronomical Observatory, Belgrade

I. Vince, Astronomical Observatory, Belgrade

**EDITORIAL BOARD:**

M.S. Dimitrijević, Editor-in-chief

J. Arsenijević, editor

O. Atanacković – Vukmanović, secretary

R. Grujić

V. Protić–Benišek

I. Vince

**Published** and copyright © by Astronomical Observatory – Institute of Astronomical research, Volgina 7, 11050 Belgrad, Yugoslavia

**Director of the Astronomical Observatory—Institute of Astronomical research:** I. Vince

The publication of this issue is financially supported by the Republic Community of Sciences of Serbia.

*To my parents*  
**SERGIJE and NADA**

*Roditeljima*  
**SERGIJU i NADI**



## CONTENTS – SADRŽAJ

Summary  
Rezime

### Part I, Deo I

1. Spectral line shapes investigation in Yugoslavia 1962–1985 .....11
2. Istraživanja oblika spektralnih linija u Jugoslaviji 1962–1985 .....15
3. Tables and figures – Tabele i slike ..... 19

### Part II – Deo II

1. Introduction .....33
2. Uvod ..... 34
3. Bibliography and citation index – Bibliografija i indeks citata .....37
4. Appendix – Prilog
  - 4.1. Articles with 20 or more citations – Članci koji su 20 ili više puta citirani .... 201
  - 4.2 Yugoslav research workers – Jugoslovenski istraživači .....202
- Author index – Indeks autora .....207
- Abbreviations – Skraćenice ..... 216



**SUMMARY:** First part of the publication contains review and analysis of the results of spectral line shapes investigations in Yugoslavia in the period 1962–1985, with special emphasis on the importance of such investigations. In the second part, the bibliography of the contributions of Yugoslav scientists is given, together with the citation index.

**REZIME:** U prvom delu publikacije dat je pregled i analiza istraživanja oblika spektralnih linija u Jugoslaviji u periodu 1962–1985. godine, pri čemu je posebna pažnja posvećena značaju ovakvih istraživanja. U drugom delu data je bibliografija radova jugoslovenskih istraživača, sa istorijatom uticaja svakog objavljenog dela na savremenu nauku, što je urađeno navođenjem izvora u kojima su objavljeni članci citirani.





**PART I – DEO I**



## 1. SPECTRAL LINE SHAPES INVESTIGATION IN YUGOSLAVIA 1962–1985

As the typical information in astronomy is obtained by analyzing the radiation. The understanding of astrophysical spectral line shapes is of great importance. Spectral line shapes are an important research field, particularly in special laboratories and institutions formed in order to provide basic physical data to astronomers, as e.g. JILA (Joint Institute for Laboratory Astrophysics) in Boulder. Stark and other broadening mechanisms for lines in astrophysical spectra are also investigated within the commission 14 of the IAU for fundamental spectroscopic data.

Typical problems where spectral line shapes investigation is important, may be divided in following groups:

1) Quantitative and qualitative investigation of laboratory and astrophysical plasma spectra;

2) diagnostics of laboratory and astrophysical plasma;

3) research connected with thermonuclear fusion and laser produced plasma;

4) determination of chemical abundances in stellar atmospheres using absorption line profiles;

5) investigation of recombination radio line profiles in ionized hydrogen regions as e.g. Orion nebula;

6) radiation transfer through stellar and laboratory plasmas.

Spectral line shapes enter the analysis of a stellar spectrum essentially in two ways:

a) Selected lines from which we may derive information about stellar parameters require reliable line shape theory and data of high accuracy for the contribution of the main broadening mechanism.

b) For the bulk of ( $\geq 10^6$ ) lines, as well as for smaller contributions to the main broadening mechanisms, broadening parameters of only modest accuracy are sufficient. Such lines only add together to the total absorption coefficient, which determines the atmospheric stratification, and we need only the good average accuracy while the accuracy for a particular line is not so important.

Stellar spectroscopy depends on very extensive list of elements and line transitions with their atomic and line broadening parameters. It is difficult to state in general terms which are the relevant transitions since the atmospheric composition of a star is not known a priori, and many interesting groups of stars exist with very peculiar abundances as compared to the Sun.

The interest for line broadening data is stimulated also by the development of space research. Using space spectroscopy, an extensive amount of spectroscopic information over large spectral region of all kind of celestial objects has been and will be collected, stimulating line shapes research.

\*

Since the first article on this topic (Vujnović et al., 1962) up to the august 1985, 371 publications concerning line shapes investigations have been published by 68 yugoslav authors. The number of published articles, authors, B.Sc., M.Sc., and Ph.D. theses are given in Table 1 for every year. One might point out that 113 articles are published in international journals during considered period. Also, 11 B.Sc., 15 M.Sc. and 9 Ph.D. theses have been done. Among the published articles 15 are in Astronomy and Astrophysics and 1 in Astrophysical Journal.

In published papers, different problems from this research field have been considered. Stark broadening investigation of hydrogen and hydrogen-like emitter lines, has a great practical importance and the corresponding attention has been paid in Yugoslavia to this problem (1, 4, 6, 71, 73, 78, 79, 86, 98, 110, 123, 128, 129, 142, 143, 151, 152, 154, 179, 216). Yugoslav scientists have experimentally determined Balmer line profiles (1, 4, 73, 151, 152), have studied broadening of the  $D_{\beta}$  line wings (6) as well as the neutral hydrogen and ionized hydrogen line shifts (129, 154). Particular attention has been paid to the investigation of the ion dynamic influence on the neutral hydrogen line shifts (154). Calculations of hydrogen line shapes were carried out also (143), as well as the study of back reaction influence on hydrogen line far wings (110, 123). Hydrogen spectrum near the ionization limit was investigated also (86, 142, 216).

Influence of typical colder boundary layer in T-tube, on hydrogen plasma spectral line shapes was also examined (78, 79, 98, 179). The results show that line widths are larger when the considered effect is taken into account, and that the influence of the mentioned effect increases if temperature and distance from the line center increase.

Up to date, a large experimental work on Stark broadening for nonhydrogenic emitters has been done in world and Yugoslavia, in laboratory plasmas with  $N_e = 2 \times 10^{13} - 4 \times 10^{17} \text{ cm}^{-3}$  and  $T = 2 \times 10^3 - 6 \times 10^4 \text{ K}$ . In figures 1-4, the situation according to the critical analysis of experimental data (91, 92, 310, 311) is shown as well as the Yugoslav research workers contribution (papers up to the middle of 1982). In figures are marked only such nonhydrogenic atoms and ions for which reliable experimental data are given in mentioned review articles. With dots are marked elements if only measurements of non Yugoslav authors are given, and with lines if there are only contributions of Yugoslav authors. We see in the figures that Stark broadening parameters are especially known for lighter elements. One can see also that number of data decrease with the increase of ionization degree. In the time of the publication of review articles (310, 311), reliable experimental data for nonhydrogenic ions four and more times charged did not exist.

In table 2 is summarized experimental work of Yugoslav scientists on nonhydrogenic spectral lines Stark broadening determination up to the middle of 1985. From 1962 up to the august of 1985, Stark widths of 360 lines have been measured for 38 elements of 58 different emitter species, if one takes into account different ionization stages also. Stark shift of 187 lines for 31 element and 33 different emitter species have been measured also and a new experimental technique for Stark shift measurement has been developed (44). Results obtained during experimental investigations of nonhydrogenic emitter Stark broadening have been reported in 98 papers.

Theoretical investigations of non hydrogenic emitter Stark broadening were developed in several directions. In the frame of semiempirical approach, investigations on the applicability of existing theory have been done (14, 15, 27, 127, 150, 166, 167, 169) and new approaches (166, 167, 169, 199, 278, 302, 341) especially convenient for quick calculations of a large number of lines have been developed too. Particularly successful is the modified semiempirical approach (200, 305, 342). Such investigations have been done also in the frame of semiclassical approach (38, 57, 87, 88, 163, 167, 168, 233, 234, 241, 265, 268, 271, 272, 274, 277, 295, 299, 304, 306, 307, 343, 348). The theory for multiply charged ions has been improved (145, 150, 169). Stark broadening parameters for large number of lines of He I (234, 271, 272, 274, 299, 306, 307, 345, 346), Na I (343, 344), K I (347) and other elements, were calculated. The special attention has been paid to the spectral lines of heavy nonhydrogenic neutrals in plasma (232, 268, 297,

304). The work on a new quantum mechanical approach to the Stark broadening of neutral helium started also (149) and the first complete quantum mechanical (strong coupling) calculations for a nonhydrogenic neutral (196, 197) has been carried out. Research on Stark broadening of multiply charged ions was developed especially intensively. In this research field, the most of experimental (2, 54, 55, 59, 68, 70, 80–84, 94, 102, 116, 117, 135, 158, 205, 312) and theoretical (68, 80, 102, 116, 117, 123, 135, 146, 150, 158, 163–167, 178, 194, 198, 201, 233) results published in the period considered have been obtained by Yugoslav authors. The influence of the perturber path deflection from straight line, due to the back reaction of neutral emitter (88, 89, 110, 123–126, 147, 148, 300, 301) on Stark broadening has been investigated also. Results obtained show that the influence of the effect considered, increases with the decrease of temperature and with the increase of atom polarizability. In order to take into account this effect, corresponding modifications within semiclassical (123, 126) and adiabatic (147) theory have been made.

In several papers were investigated non isolated helium lines with forbidden components in laser produced plasma (224, 333, 334, 335, 364, 371), influence of Debye screening (242, 308) influence of different collisional processes on line broadening (231, 267) as well as the yield of resonances (autoionization) to the Stark Broadening (230, 266).

In large number of papers, regularities and systematic trends of Stark broadening parameters have been studied (53, 69, 104, 105, 108, 109, 113, 137, 138, 145, 153, 155, 159, 160, 165, 170–172, 175, 183–186, 193, 204, 206, 212, 215, 225, 229, 241, 243, 247, 253, 256, 264, 279, 280, 286, 289, 290, 307, 308, 312, 313, 326). Similarities of Stark broadening parameters within the same multiplet and transition array, have been examined. Also, systematic trends for the same type of transitions within a homologous and isoelectronic sequence and within a spectral series, have been studied as well as the dependence of Stark broadening parameters on ionization potential (184, 185, 186, 213, 303, 325, 339, 340), giving as the result simple formulas of astrophysical importance (339, 340, 353, 360, 361). Dependence on element ordinal number has been investigated too (183, 207, 214, 253).

During line shapes studies, attention has been paid and to purely astronomical problems. The influence of rotational motions on spectral line profiles in solar prominences and spiculas (121, 122, 141), Stark broadening of heavy solar ions (195, 226), experimentally measurable consequences of anomalous red shift on the symmetrical spectral line shape (93) and the influence of different line broadening mechanisms on solar limb effect (332, 368, 369, 370) has been studied.

Particularly often are cited and used critical reviews of experimental data for Stark broadening parameters of neutral (91, 310) and ionized (92, 311) emitters. In these reviews, available experimental data are systematized and critically evaluated, which enable their easier application in astronomy and physics research fields.

Complex experimental device with absorption cells and heat-pipe (see fig. 9), for the spectroscopic investigations in emission and absorption, has been developed in the Institute of physics of the University in Zagreb. Using this device, in a series of papers, self broadening in alkali metal vapors (64, 65, 76, 96, 97, 100, 111, 115, 131, 157, 176, 181, 182, 191, 209, 211, 218, 261) and self broadening of TI 377,6 nm line (132, 133) has been studied. Assymetry of principal series lines of Cs (52, 60, 61, 66, 67, 99, 156) and Rb (156) was particularly investigated, far wings were studied and interaction potential and Van der Waals constant were determined using the principal series of Cs

(62, 63, 77, 130) and Rb (130). Also, peculiar wing asymmetry of Li and Na (292) resonance lines has been examined.

In several papers influence on spectral line shapes of emitter (absorber) non resonant interaction with neutral atoms has been examined. Van der Waals interaction in excited alkali dimers (356) has been studied. Wings (especially their asymmetry) of Na lines broadened by collisions with Cs, Rb and K (328, 329), wings of K lines broadened by collisions with Cs (187, 188, 217) and Ar (250), interaction potential between K and Ar (235, 236, 275) and the influence of K–Rb collisions on K lines within impact approximation (260, 291, 297) have been investigated.

Interference and diffuse continua in the  $Rb_2$  spectrum (285, 318, 354); triplet – triplet transitions in dense lithium vapors (330); triplet satellites in the spectrum of alkali homonuclear molecules (316, 367); satellites in alkali metal lines (144, 190, 221, 319); diffuse bands in absorption and emission spectra of dense Li,  $Li_2$ , Na,  $Na_2$ , K,  $K_2$  and Rb (251, 252, 283, 284, 316, 317, 320, 321, 322, 357, 365) and also triplet satellite bands in the wings of alkali lines (177, 189, 192, 210, 219, 262, 263, 293, 294, 331) have been studied. Finally, influence of collisional processes on line shapes connected with redistribution and radiative transfer problem (140, 161, 180, 298) has been examined.

In order to see the contribution of Yugoslav scientists, one might analyse also Bibliographies on atomic spectral line shapes and shifts for the period 1889–1978 (Fuhr et al. 1972, 1974, 1975, 1978 – complete references are after the introduction in Part II). Among 16 researchers with the largest number of bibliographic unities are 4 Yugoslav scientists (see Table 3).

## 2. ISTRAŽIVANJA OBLIKA SPEKTRALNIH LINIJA U JUGOSLAVIJI 1962–1985

S obzirom da se informacije o kosmosu van Sunčevog sistema dobijaju analizom zračenja, proučavanje i analiza astrofizičkih spektara ima veliki značaj. Istraživanje spektralnih linija je od važnosti za istraživačke programe specijalnih laboratorija i institucija osnovanih sa ciljem da obezbede osnovne fizičke podatke astronomima, kao na primer JILA (Joint Institute for Laboratory Astrophysics) u Boulderu. Proučavanje oblika spektralnih linija je takođe predmet rada komisije 14 za fundamentalne spektroskopske podatke, Međunarodne astronomske unije.

Tipični problemi za koje je važno proučavanje oblika linija mogu se podeliti na sledeće kategorije:

- 1) kvantitativno i kvalitativno proučavanje spektra iz laboratorijske i astrofizičke plazme;
- 2) dijagnostika laboratorijske i astrofizičke plazme;
- 3) istraživanja vezana za termonuklearnu fuziju i laserski proizvedenu plazmu;
- 4) određivanje zastupljenosti pojedinih elemenata u zvezdanim atmosferama na osnovu profila apsorpcionih linija;
- 5) ispitivanje profila rekombinacionih radiolinija u oblastima jonizovanog vodonika kao što je maglina u Orionu;
- 6) proučavanje transfera zračenja kroz stelarnu i laboratorijsku plazmu.

Prilikom analize zvezdanih spektara, podaci o obliku spektralnih linija ulaze u osnovnom na dva načina:

a) Izabrane linije pomoću kojih se mogu dobiti podaci o nekim pojavama i parametrima zvezdanih atmosfera, zahtevaju detaljnu analizu i pouzdanu teoriju oblika spektralnih linija.

b) Za veliki broj linija ( $10^6$ ), kao i za manje doprinose glavnom mehanizmu širenja linija, dovoljno je poznavati parametre širenja sa manjom tačnošću. Oblici takvih linija zajednički određuju totalni koeficijent apsorpcije, i potrebno je samo poznavanje parametara širenja sa dobrom srednjom tačnošću, dok tačnost pojedinog podatka nije toliko važna.

Za proučavanje zvezdanih spektara potrebno je poznavanje atomskih parametara i parametara širenja spektralnih linija za izuzetno veliki broj prelaza u spektrima različitih atoma i jonizacionih stanja. S obzirom da hemijski sastav zvezdane atmosfere nije poznat a priori, teško je unapred reći koji su nam sve podaci potrebni, a postoji mnogo interesantnih grupa zvezda čiji hemijski sastav znatno odstupa od Sunčevog.

Interes za podatke o oblicima spektralnih linija stimulisan je takođe razvojem kosmičkih istraživanja. Koristeći kosmičku spektroskopiju, prikupljena je i prikuplja se velika količina spektroskopskih informacija u širokom spektralnom području, za kosmičke objekte različite vrste, što posebno podstiče istraživanja oblika spektralnih linija

\*

Od prvog članka u ovoj oblasti (1), 68 jugoslovenskih naučnika je objavilo 371 rad o istraživanju oblika spektralnih linija, u periodu do avgusta 1985. godine. Broj publikacija, autora, diplomskih radova, magistarskih i doktorskih disertacija po godini dat je u Tabeli 1. Treba naglasiti da je od 371 objavljenih radova, 113 u međunarodnim časopisima kojih su 15 u *Astronomy and Astrophysics* a 1 u *Astrophysical Journal*. U

razmatranom periodu odbranjeno je 9 doktorskih i 15 magistarskih teza kao i 11 diplomskih radova.

U objavljenim radovima razmatrani su različiti problemi iz ove oblasti. Proučavanje Štarkovog širenja linija vodonika i vodoniku sličnih emitera ima veliki praktični značaj i kod nas je ovom problemu posvećena odgovarajuća pažnja (1, 4, 6, 71, 73, 78, 79, 86, 98, 110, 123, 128, 129, 142, 143, 151, 152, 154, 179, 216). Naši istraživači su eksperimentalno određivali profile Balmerovih linija (1, 4, 73, 151, 152), istraživali širenje na krilima  $D_{\beta}$  linije (6) kao i pomak linija neutralnog vodonika i jonizovanog helijuma (129, 154), pri čemu je naročita pažnja posvećena ispitivanju uticaja dinamike jona na pomak linija neutralnog vodonika (154). Takođe su izvedena i izračunavanja profila vodonikovih linija (143), kao i ispitivanje uticaja povratne sprege atoma vodonika koji zrači i perturbujućeg elektrona, na daleka krila vodonikovih linija (110, 123). Vršena su i istraživanja vodonikovog spektra kod granice jonizacije (86, 142, 216).

Ispitivan je takođe uticaj tipičnog hladnijeg graničnog sloja kod vodonične plazme u T cevi, na profile spektralnih linija (78, 79, 98, 179). Rezultati pokazuju da su širine linija veće kada se razmatrani efekat uzme u obzir, kao i da uticaj ovog efekta raste sa povećanjem temperature kao i sa udaljavanjem od centra linije.

Do danas je u svetu i kod nas izvršen obiman eksperimentalni posao na istraživanju Štarkovog širenja linija nevodoničnih emitera, u laboratorijskim plazmama gustine  $2 \times 10^{13} - 4 \times 10^{17} \text{ cm}^{-3}$  i temperature  $2 \times 10^3 - 6 \times 10^4 \text{ K}$ . Na slikama 1—4 data je analiza postojanja pouzdanih eksperimentalnih podataka u ovoj oblasti prema kritičkoj analizi Konjevića i dr. (91, 92, 310, 311) (Radovi objavljeni do sredine 1982), kao i doprinos naših istraživača. Na šematskim prikazima dela periodnog sistema, naznačeni su samo oni nevodonični atomi i joni, za koje postoje pouzdani eksperimentalni podaci za Štarkove parametre najintenzivnijih linija. Na tačkastoj podlozi dati su elementi za koje su merenja izvršili samo inostrani istraživači dok je pola podloge šrafirano ako postoje podaci i naših autora. Na šrafiranoj podlozi dati su elementi za koje su svi rezultati dobijeni od naših istraživača. Na ovim slikama se vidi, da su Štarkovi parametri naročito dobro poznati kod lakših elemenata. Takođe se vidi da broj dostupnih podataka opada sa porastom stepena jonizacije, te kod atoma koji su jonizovani 4 i više puta, pouzdani eksperimentalni podaci za nevodonične slučajeve u vremenu objavljivanja preglednih članaka (310, 311) nisu postojali.

Eksperimentalni rad naših istraživača na određivanju štarkovih parametara nevodoničnih spektralnih linija do sredine 1985. godine, sumarno je prikazan u Tabeli 2. Od 1962. godine pa do avgusta 1985. godine, izvršen je obiman posao u toku koga su izmerene Štarkove širine 360 linija, za 38 elemenata odnosno 58 različitih vrsta emitera ako uzmemo u obzir i jonizaciona stanja. Izmereni su takođe i Štarkovi pomaci 187 linija za 31 element odnosno 33 različitih emitera, pri čemu je razrađena i nova eksperimentalna tehnika za merenje Štarkovih pomaka (44). Rezultati do kojih se došlo u eksperimentalnom ispitivanju Štarkovih parametara nevodoničnih emitera saopšteni su naučnoj javnosti u 98 radova.

Teorijska istraživanja vezana za problematiku Štarkovog širenja nevodoničnih elemenata odvijala su se u više pravaca. U okviru semiempirijskog prilaza problemu, vršena su ispitivanja primenljivosti postojeće teorije (14, 15, 27, 27, 150, 166, 167, 169) a formulisani su i novi prilazi (166, 167, 169, 199, 278, 302, 341) specijalno pogodni za brza proračunavanja velikog broja linija. Naročiti uspehi pokazao je Modifikovani semiempirijski prilaz (303, 305, 342). Ovakva istraživanja vršena su i u okviru semiempirijskog prilaza (33, 57, 87, 88, 163, 167, 168, 233, 234, 241, 265, 268, 271, 272,



274, 277, 295, 299, 304, 306, 307, 343–348) pri čemu je izvršeno poboljšanje teorije za višestruko jonizovane atome (145, 150, 169) i izračunati parametri širenja za veliki broj linija HeI (234, 271, 272, 274, 299, 306, 307, 345, 346), NaI (343, 344), K I (347) i drugih elemenata. Posebna pažnja posvećena je linijama teških nevodoničnih neutrala u plazmi (232, 262, 297, 304). Takođe je započet rad na jednom novom kvantno mehaničkom prilazu širenja linija neutralnog helijuma (149) i izveden prvi potpuni kvantno mehanički proračun za parametre Štarkovog širenja nevodoničnog neutrala (196, 197). Naročito se intenzivno odvijao rad na istraživanju Štarkovog širenja kod višestruko jonizovanih emitera. U ovoj oblasti, većina eksperimentalnih (2, 54, 55, 59, 68, 70, 80–84, 94, 102, 116, 117, 135, 158, 205, 312) i teorijskih (68, 80, 102, 116, 117, 123, 135, 146, 150, 158, 163–167, 178, 194, 198, 201, 233) rezultata objavljenih u razmatranom vremenskom periodu dobijena je u našoj zemlji. Istražen je i uticaj odstupanja putanje perturbirana od pravolinijske, usled povratnog dejstva neutralnog emitera (88, 89, 110, 123–126, 147, 148, 300, 301) na Štarkovo širenje spektralnih linija. Rezultati su pokazali da uticaj efekta raste sa smanjenjem temperature i sa povećanjem polarizabilnosti atoma. Da bi se efekat uzeo u obzir, izvršene su odgovarajuće modifikacije u okviru semiklasične (123, 126) i adijabatske teorije (147).

U nekoliko radova istraživane su neizolovane linije helijuma sa zabranjenim komponentama u laserski proizvedenoj plazmi (224, 333, 334, 335, 364, 371), uticaj Debajevog ekraniranja (242, 308), uticaj različitih sudarnih procesa na širenje linija (231, 267) kao i doprinos rezonanci (autojonizacija) Štarkovom širenju (230, 266).

U velikom broju radova proučavane su regularnosti i sistematski trendovi kod Štarkovih parametara spektralnih linija (53, 69, 104, 105, 108, 109, 113, 137, 138, 145, 153, 155, 159, 160, 165, 170–172, 175, 183–186, 193, 204, 206, 212, 215, 225, 229, 241, 243–247, 253, 256, 264, 279, 280, 286, 289, 290, 307, 308, 312, 313, 326). Proučavane su sličnosti kod Štarkovih parametara linija u okviru istog multiplleta i grupe supermultiplleta. Takođe su proučavani i sistematski trendovi kod Štarkovih parametara za isti tip prelaza u okviru jednog homolognog kao i izoelektronskog niza i spektralnih serija a izučavana je i zavisnost parametara Štarkovog širenja od jonizacionog potencijala (184, 185, 186, 213, 303, 325, 339, 340) što je kao rezultat dalo proste formule od značaja za astrofizička proučavanja (339, 340, 353, 360, 361). Takođe je razmatrana i zavisnost Štarkovih parametara od rednog broja elemenata (183, 207, 214, 253).

Prilikom proučavanja oblika spektralnih linija, pažnja je posvećena i astronomskim problemima. Razmatran je uticaj rotacionih kretanja na profile spektralnih linija u Sunčevim prominencijama i spikulama (121, 122, 141), Štarkovo širenje teških jona na Suncu (195, 226), eksperimentalno merljive posledice anomalnog crvenog pomaka na oblik simetričnih spektralnih linija (93) i uticaj različitih mehanizama širenja spektralnih linija na Limb efekat na Suncu (332, 368–370).

Izuzetno se često pominje i koristi u inostranoj literaturi kritički pregled eksperimentalnih podataka za Štarkove parametre neutralnih (91, 310) i jonizovanih (92, 311) emitera. U ovim pregledima sistematizovani su i kritički procenjeni dostupni eksperimentalni podaci iz razmatrane oblasti, što je omogućilo njihovu širu primenu u nekim oblastima astronomije i fizike.

U Institutu za fiziku sveučilišta u Zagrebu, razvijen je složeni eksperimentalni uređaj sa apsorpcijskim kivetama i toplovodnim pećima (heat-pipe), kombinovanim sa tinjajućim pražnjenjem, za spektroskopska proučavanja u emisiji i apsorpciji (vidi sl. 9). Na njemu je u nizu radova istraživano rezonantno širenje u parama alkalnih metala (64,

65, 76, 96, 97, 100, 111, 115, 131, 157, 176, 181, 182, 191, 209, 211, 218, 261) i rezonantno širenje linije 377,6 nm talijuma (132, 133). Pri tome je posebno proučavana asimetrija linija glavne serije Cs (52, 60, 61, 66, 67, 99, 156) i Rb (156) i ispitivana su daleka krila linija, te određivani potencijal interakcije i Van der Valsova konstanta, pomoću glavne serije Cs (62, 63, 77, 130) i Rb (130). Takođe je istraživana pekulijarna asimetrija krila rezonantnih linija Li i Na (292).

U većem broju radova vršena su istraživanja uticaja nerezonantne interakcije emitera (apsorbera) sa neutralnim atomima na profil spektralne linije. Proučavana je Van der Valsova interakcija u pobuđenim alkalnim dimerima (356). Ispitivana su krila linija (i to posebno asimetrija) natrijuma proširenih sudarima sa Cs, Rb i K (328, 329), zatim krila linija neutralnog kalijuma, proširenih sudarima sa Cs (187, 188, 217) i Ar (250), potencijal interakcije između K i Ar (235, 236, 275) i uticaj K–Rb sudara na linije K u sudarnoj aproksimaciji (260, 291, 297).

Razmatrani su i interferentni i difuzni kontinuumi u  $Rb_2$  spektru (285, 318, 354), triplet–tripletni prelazi u gustim parama litijuma (330), tripletni sateliti u spektru homonuklearnih molekula alkalija (316, 367), sateliti u linijama alkalnih metala (144, 190, 221, 319), difuzne trake u absorpcionim i emisionim spektrima Li,  $Li_2$ , Na,  $Na_2$ , K,  $K_2$ , i Rb (251, 252, 283, 284, 316, 317, 320, 321, 322, 354, 357, 365) i tripletne satelitske trake u krilima spektralnih linija alkalija (177, 189, 192, 210, 219, 262, 263, 293, 294, 331). Osim toga izučavan je i uticaj sudarnih procesa na oblik linije, u vezi sa problemom redistribucije i prenosa zračenja (140, 161, 180, 298).

Uvid u doprinos jugoslovenskih istraživača može se postići i analizom Bibliografija o oblicima i pomacima atomskih linija u periodu od prvog rada u ovoj oblasti objavljenog 1889. pa do 1978. (Fuhr et al. 1972, 1974, 1975, 1978 – potpune reference su date posle uvoda u drugi deo). Među 16 naučnika koji su u ovom periodu zastupljeni sa najvećim brojem referenci, nalaze se i 4 jugoslovenska istraživanja (vidi Tabelu 3).

**TABLES AND FIGURES – TABELE I SLIKE**



Table 1. Number of articles, authors, B.Sc., M.Sc., and Ph.D. theses in the period 1962–1985.

Tabela 1. Broj radova, autora, diplomskih, i magistarskih radova i doktorskih disertacija u periodu 1962–1985.

| Year<br>godina | No of publications<br>Br. članaka | No of authors<br>Br. autora | B.Sc.<br>Dipl. | M.Sc.<br>Mag. | Ph D.<br>Dokt. |
|----------------|-----------------------------------|-----------------------------|----------------|---------------|----------------|
| 1962           | 1                                 | 1                           |                |               |                |
| 1963           | 0                                 |                             |                |               |                |
| 1964           | 2                                 | 2                           |                |               |                |
| 1965           | 1                                 | 1                           |                |               |                |
| 1966           | 0                                 |                             |                |               |                |
| 1967           | 0                                 |                             |                |               |                |
| 1968           | 2                                 | 4                           |                |               |                |
| 1969           | 4                                 | 4                           |                | 1             |                |
| 1970           | 15                                | 13                          |                |               |                |
| 1971           | 11                                | 9                           | 1              | 2             |                |
| 1972           | 10                                | 11                          |                |               | 1              |
| 1973           | 10                                | 3                           | 2              | 1             |                |
| 1974           | 16                                | 16                          | 1              |               | 1              |
| 1975           | 14                                | 15                          | 2              | 1             |                |
| 1976           | 23                                | 16                          | 1              | 1             |                |
| 1977           | 13                                | 14                          | 1              | 1             | 1              |
| 1978           | 23                                | 16                          |                | 1             | 1              |
| 1979           | 17                                | 14                          |                | 1             |                |
| 1980           | 30                                | 19                          | 1              |               |                |
| 1981           | 26                                | 17                          | 1              |               | 1              |
| 1982           | 46                                | 19                          | 1              |               | 2              |
| 1983           | 31                                | 19                          |                | 1             |                |
| 1984           | 41                                | 22                          |                | 1             | 1              |
| 1985           | 35                                | 21                          |                | 1             | 1              |

Table 2. Atom and ion Stark broadening parameters  $w$  and  $d$  measured by Yugoslav scientists. With  $a$  is denoted Josephson type plasma source;  $b$  – pulsed arc;  $c$  – T-tube;  $d$  – wall stabilized arc;  $e$  – Z-pinch;  $f$  – shock tube;  $g$  – pulsed discharge in a hollow cathode.  
Tabela 2. Atomi i joni za koje su Jugoslovenski istraživači merili Štarkove parametre  $w$  i  $d$ . Sa  $a$  je označen izvor plazme Džozefsonovog tipa;  $b$  – impulsni luk;  $c$  – T-cev;  $d$  – zidno-stabilisani luk;  $e$  – Z-pinč;  $f$  – udarna cev;  $g$  – Varnično pražnjenje sa šupljom katodom

| Element | No of lines for<br>which is measured        | Plasma source<br>izvor plazme | T(K)        | References<br>Reference |
|---------|---|-------------------------------|-------------|-------------------------|
| Element | Broj linija za<br>koje je mereno<br>$w$ $d$ |                               |             |                         |
| He I    | 2    2                                      | a, b                          | 3700–39000  | 23, 358                 |
| Li I    | 2    2                                      | c                             | 15000–26000 | 113, 119                |

Table 2 (continued)

|       |    |    |         |             |  |
|-------|----|----|---------|-------------|--|
| C I   | 9  | —  | d       | 12500–12700 | 40, 51, 72,<br>162                                       |
| F I   | 28 | 9  | c, d, e | 17500–36200 | 39, 107, 120<br>203, 295                                 |
| Na I  | 2  | 2  | c       | 15000–26000 | 85, 106, 113<br>119                                      |
| Al I  | 3  | —  | c       | 17500       | 173, 208   |
| Si I  | 10 | 10 | c       | 8700–25000  | 50, 54, 55,<br>70, 258                                   |
| Cl I  | 7  | 3  | b, e    | 8800– 9700  | 18, 19, 20,<br>33  |
| Ar I  | 9  | —  | d       | 10100–12500 | 36, 45, 46   |
| K I   | 2  | 2  | c       | 15000–26000 | 85, 113, 119   |
| Rb I  | 2  | 2  | c       | 15000–26000 | 113, 114, 119  |
| Cs I  | 1  | 1  | c       | 15000–26000 | 173, 208, 248,<br>363                                    |
| Ne I  | 20 | 20 | c       | 12000–25000 | 258, 255, 324,<br>359                                    |
| Co I  | 5  | 5  | c       | 13700–18100 | 254, 258, 287  |
| Ni I  | 1  | 1  | c       | 13700–18100 | 258  |
| Cu I  | 2  | 2  | c       | 13700–18100 | 258  |
| Zn I  | 3  | 3  | c       | 13700–18100 | 258  |
| Pd I  | 1  | 1  | c       | 13700–18100 | 258  |
| Ag I  | 2  | 2  | c       | 13700–18100 | 254, 258   |
| Br I  | 5  | —  | d       | 9400        | 314, 315, 351  |
| Hg I  | 3  | 3  | c       | 13700–18100 | 258  |
| In I  | 4  | 4  | c       | 13700–18100 | 258, 259   |
| Be II | 2  | 2  | c, e    | 14200–34800 | 32, 43, 44,<br>49  |
| C II  | 2  | —  | b       | 26300       | 136  |
| N II  | 16 | —  | b, c, e | 16200–32800 | 17, 30, 39,<br>84, 205, 237,<br>351                      |
| O II  | 21 | —  | b       | 25900       | 81, 82   |
| F II  | 5  | —  | b       | 24200       | 94, 101, 116   |
| Ne II | 9  | —  | b       | 28300       | 118, 134, 313<br>350                                     |
| Mg II | 2  | 3  | c, e    | 14200–34800 | 43, 44, 48<br>49   |
| Si II | 16 | 16 | c       | 8700–26000  | 21, 26, 43,<br>54, 55, 70,<br>103, 139, 258,<br>282, 288 |
| Cl II | 35 | 32 | b, c    | 13330–18600 | 22, 28, 29,<br>33, 35, 43                                |

Table 2 (Continued)

|        |     |     |      |                            |  |
|--------|-----|-----|------|----------------------------|--|
| Ar II  | 23  | 23  | c, e | 8500–31800                 | 7, 16, 43,<br>54, 58, 205,<br>238, 276, 313, 350 |
| Ca II  | 5   | 5   | c, e | 10300–34800                | 34, 37, 43,<br>44, 48, 49                        |
| Sr II  | 6   | 6   | c, e | 10300–34800                | 34, 43, 44,<br>48, 49                            |
| Ba II  | 5   | 5   | c, e | 14200–34800                | 32, 43, 48,<br>49                                |
| P II   | 5   | 5   | c    | 6000–20000                 | 247, 256, 280,<br>286, 363                       |
| In II  | 1   | 1   | c    | 13700–18100                | 258, 299   |
| Sn II  | 1   | 1   | c    | 16000–20000                | 247, 256, 280,<br>286, 363                       |
| Sb II  | 1   | 1   | c    | 16000–20000                | 247, 256, 280,<br>286, 363                       |
| Cr II  | 3   | 3   | c    | 13700–18100                | 258, 281   |
| Xe II  | 5   | —   | f    | 8000–10000                 | 249, 276, 290,<br>313, 327, 350                  |
| Kr II  | 3   | —   | f    | 8000–10000                 | 290, 350   |
| Al II  | 3   | 3   | c    | 16000–20000                | 363  |
| Pb II  | 3   | 3   | c    | 16000–20000                | 247, 256, 280,<br>286, 363                       |
| Bi II  | 4   | 2   | c    | 16000–20000                | 247, 256, 280,<br>286, 363                       |
| Ne III | 2   | —   | b    | 34000                      | 312  |
| Kr III | 1   | —   | b    | 26000                      | 312  |
| Xe III | 1   | —   | b    | 27000                      | 312  |
| N III  | 4   | —   | b    | 24300                      | 84   |
| O III  | 6   | —   | b    | 25900                      | 81, 82   |
| Si III | 9   | 3   | b, c | 8700–25600                 | 54, 55, 70,<br>117                               |
| Al III | 8   | —   | g    |                            | 2  |
| S III  | 16  | —   | b    | 28500                      | 135, 158   |
| Cl III | 15  | —   | b    | 24200                      | 94, 102, 116                                     |
| Ar III | 8   | —   | b, e | 21000–31800                | 59, 68, 80,<br>205                               |
| Si IV  | 4   | —   | b    | 25600                      | 117  |
| S IV   | 1   | —   | b    | 28500                      | 135, 158   |
| Ar IV  | 2   | —   | b    | 20750–22200                | 59, 68, 80                                       |
| 58     | 360 | 187 |      | Total number – Ukupan broj |  |

Table 3. Scientists with the most bibliographical references in spectral line shapes investigations in the period 1889--1987 according to the bibliographies by Fuhr et al (1972, 1974, 1975, 1978).

Tabela 3. Istraživači sa najviše bibliografskih jedinica u istraživanju oblika spektralnih linija u periodu 1889--1978, prema bibliografijama Fuhr et al (1972, 1974, 1975, 1978).

| No. — Br. | Name — Ime        | No. Ref. — Br. ref. |
|-----------|-------------------|---------------------|
| 1.        | H.R. Greim        | 69                  |
| 2.        | J. Cooper         | 64                  |
| 3.        | S.Y. Ch'en        | 48                  |
| 4.        | E.W. Smith        | 35                  |
| 5.        | N. Konjević       | 33                  |
| 6.        | I.I. Sobel'man    | 28                  |
| 7.        | G.V. Sholin       | 26                  |
| 8.        | H. Margenau       | 25                  |
| 9–12.     | H.J. Kusch        | 27                  |
| 9–12.     | S. Sahal—Bréchet  | 22                  |
| 9–12.     | J. Purić          | 22                  |
| 9–12.     | H. Van Regemorter | 22                  |
| 13–14.    | L. Herman         | 21                  |
| 13–14.    | M. Platiša        | 21                  |
| 15–16.    | R. Granier        | 20                  |
| 15–16.    | J. Labat          | 20                  |



|   | a I b |        |         |        |       |        | VIII    |    |
|---|-------|--------|---------|--------|-------|--------|---------|----|
| 1 |       | a II b | a III b | a IV b | a V b | a VI b | a VII b | He |
| 2 | Li    |        |         | C      | N     | O      | F       | Ne |
| 3 | Na    | Mg     | Al      | Si     | P     | S      | Cl      | Ar |
| 4 | K     | Ca     |         |        |       |        |         |    |
|   |       | Zn     |         | Ge     |       |        | Br      | Kr |
| 5 | Rb    |        |         |        |       |        |         |    |
|   |       | Cd     |         | Sn     |       |        |         | Xe |
| 6 | Cs    |        |         |        |       |        |         |    |
|   |       |        |         | Pb     |       |        |         |    |

Fig. 1. Neutral emitters.

|   | a I b |        |         |        |       |        | VIII    |    |
|---|-------|--------|---------|--------|-------|--------|---------|----|
| 1 |       | a II b | a III b | a IV b | a V b | a VI b | a VII b |    |
| 2 |       | Be     | B       | C      | N     | O      | F       | Ne |
| 3 |       | Mg     | Al      | Si     | P     | S      | Cl      | Ar |
| 4 |       | Ca     |         |        |       |        |         |    |
|   |       | Zn     |         | Ge     |       |        |         |    |
| 5 |       | Sr     |         |        |       |        |         |    |
|   |       | Cd     |         | Sn     |       |        |         |    |
| 6 |       | Ba     |         |        |       |        |         |    |
|   |       | Hg     |         | Pb     | Bi    |        |         |    |

Fig. 2. Singly charged ions.

|   | I |   |        |         |        |       |        | VIII    |    |
|---|---|---|--------|---------|--------|-------|--------|---------|----|
|   | a | b |        |         |        |       |        |         |    |
| 1 |   |   | a II b | a III b | a IV b | a V b | a VI b | a VII b |    |
| 2 |   |   |        |         | C      | N     | O      |         |    |
| 3 |   |   |        |         | Si     |       | S      | Cl      | Ar |
| 4 |   |   |        |         |        |       |        |         |    |
| 5 |   |   |        |         |        |       |        |         |    |
| 6 |   |   |        |         |        |       |        |         |    |

Fig. 3. Doubly charged ions.

|   | I |   |        |         |        |       |        | VII     |  |
|---|---|---|--------|---------|--------|-------|--------|---------|--|
|   | a | b |        |         |        |       |        |         |  |
| 1 |   |   | a II b | a III b | a IV b | a V b | a VI b | a VII b |  |
| 2 |   |   |        |         | C      | N     |        |         |  |
| 3 |   |   |        |         | Si     |       | S      | Ar      |  |
| 4 |   |   |        |         |        |       |        |         |  |
| 5 |   |   |        |         |        |       |        |         |  |
| 6 |   |   |        |         |        |       |        |         |  |

Fig. 4. Triply charged ions.

Figures 1–4. Emitters for which reliable experimental Stark broadening data exist for the most intensive lines (91, 92, 310, 311).

If only results obtained by non Yugoslav authors exist, the base is dotted. The base is partially dotted and partially with lines if results of Yugoslav and non Yugoslav authors exist, and only with lines if all results are obtained in Yugoslav laboratories.

Emiteri za čije najintenzivnije linije postoje pouzdani eksperimentalni podaci za Štarkove parametre (19, 82, 310, 311).

Ako postoje samo rezultati inostranih autora, podloga je tačkasta. Podloga je delimično tačkasta ako ima rezultata i naših i stranih autora a šrafirana je ako su svi postojeći rezultati dobijeni u našim laboratorijama.

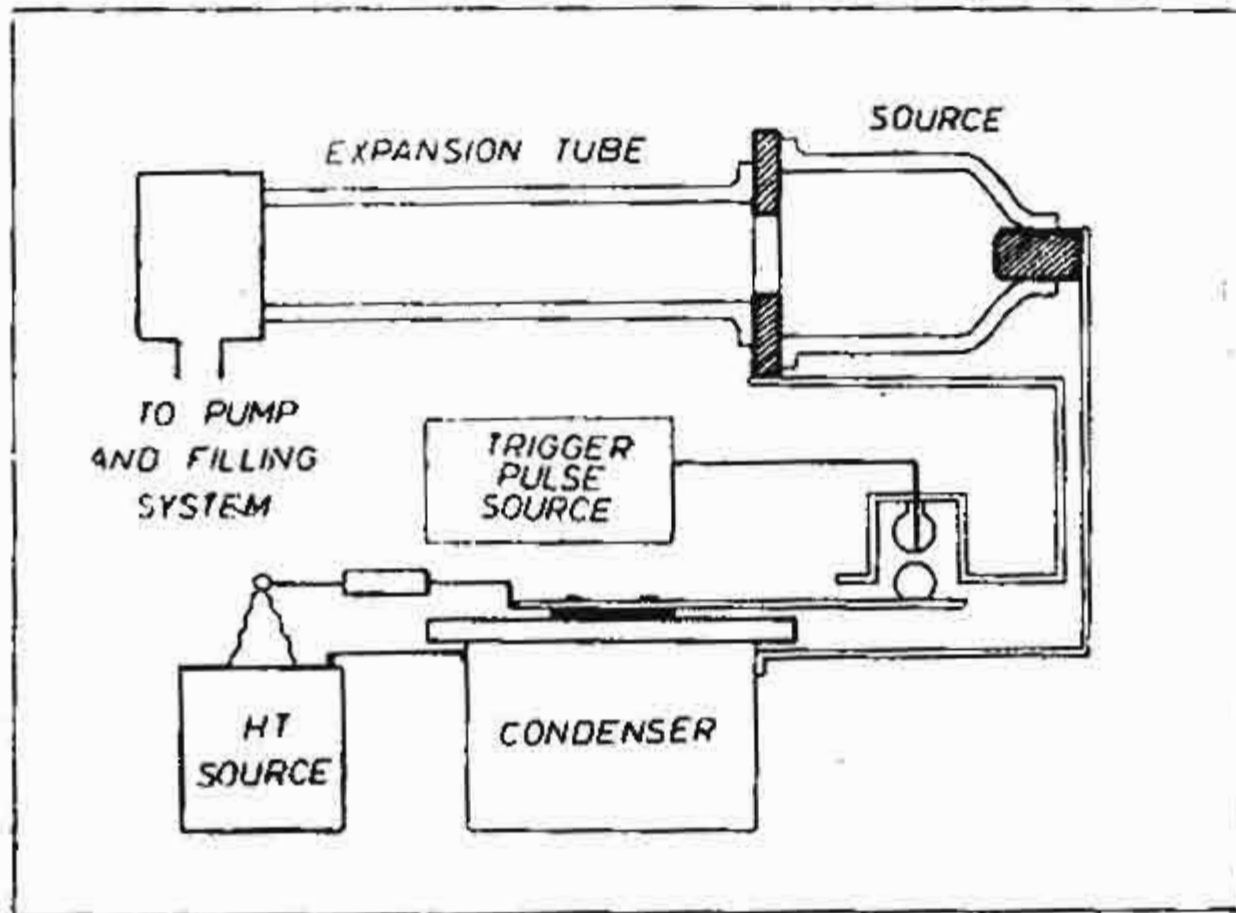


Figure 5. The plasma source of Josephson type.  
Izvor plazme je Džozefsonovog tipa.

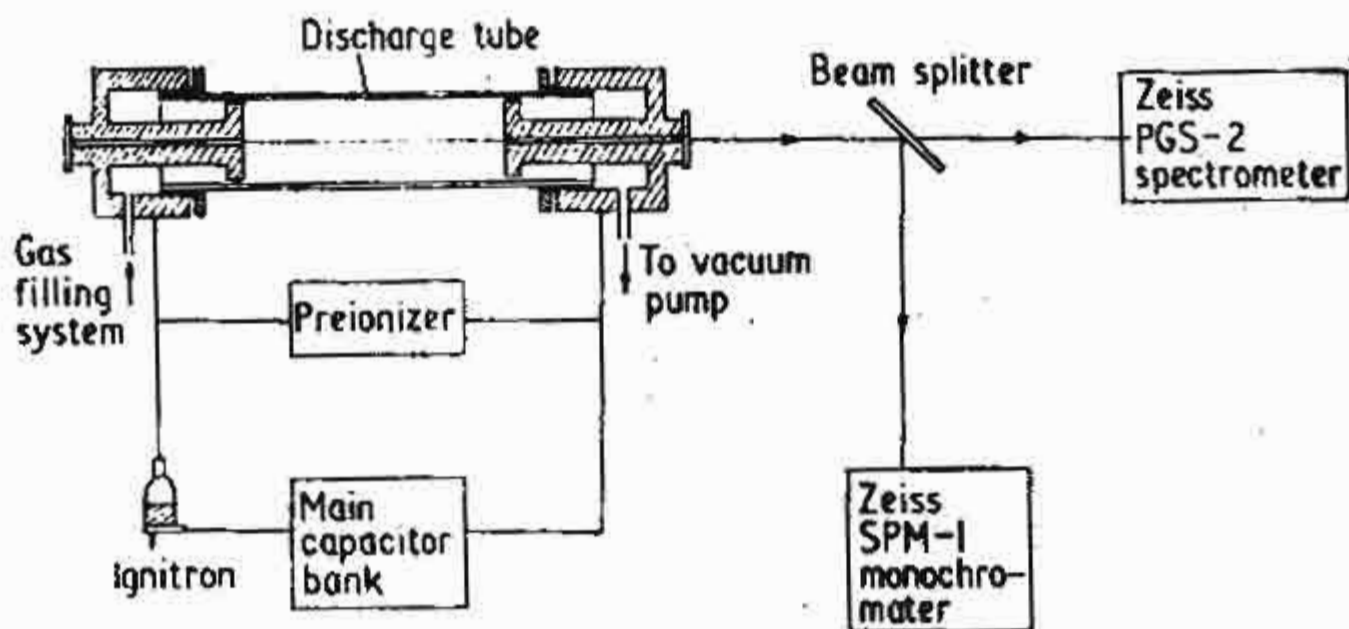


Figure 6. Pulsed arc.  
Impulsni luk.

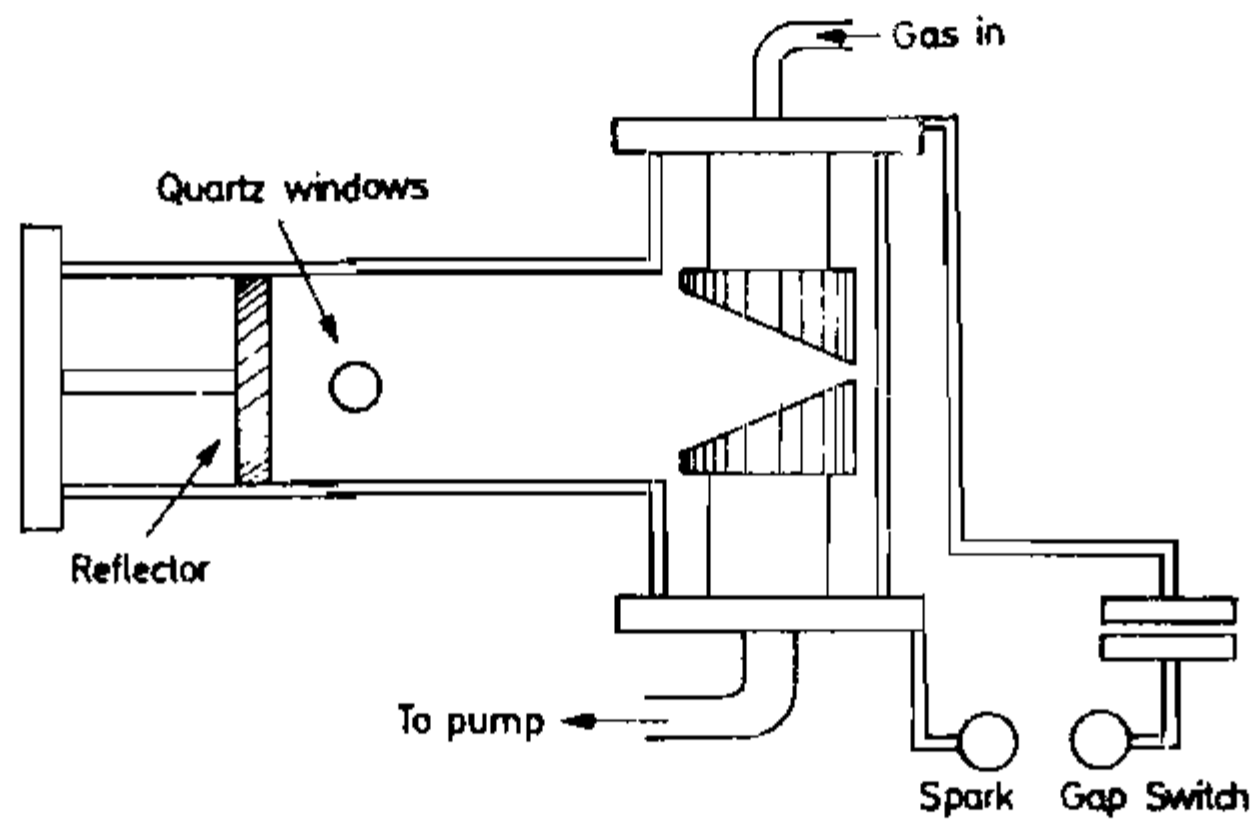


Figure 7. Electromagnetically driven T-tube.  
Elektro magnetski pokretana T cev

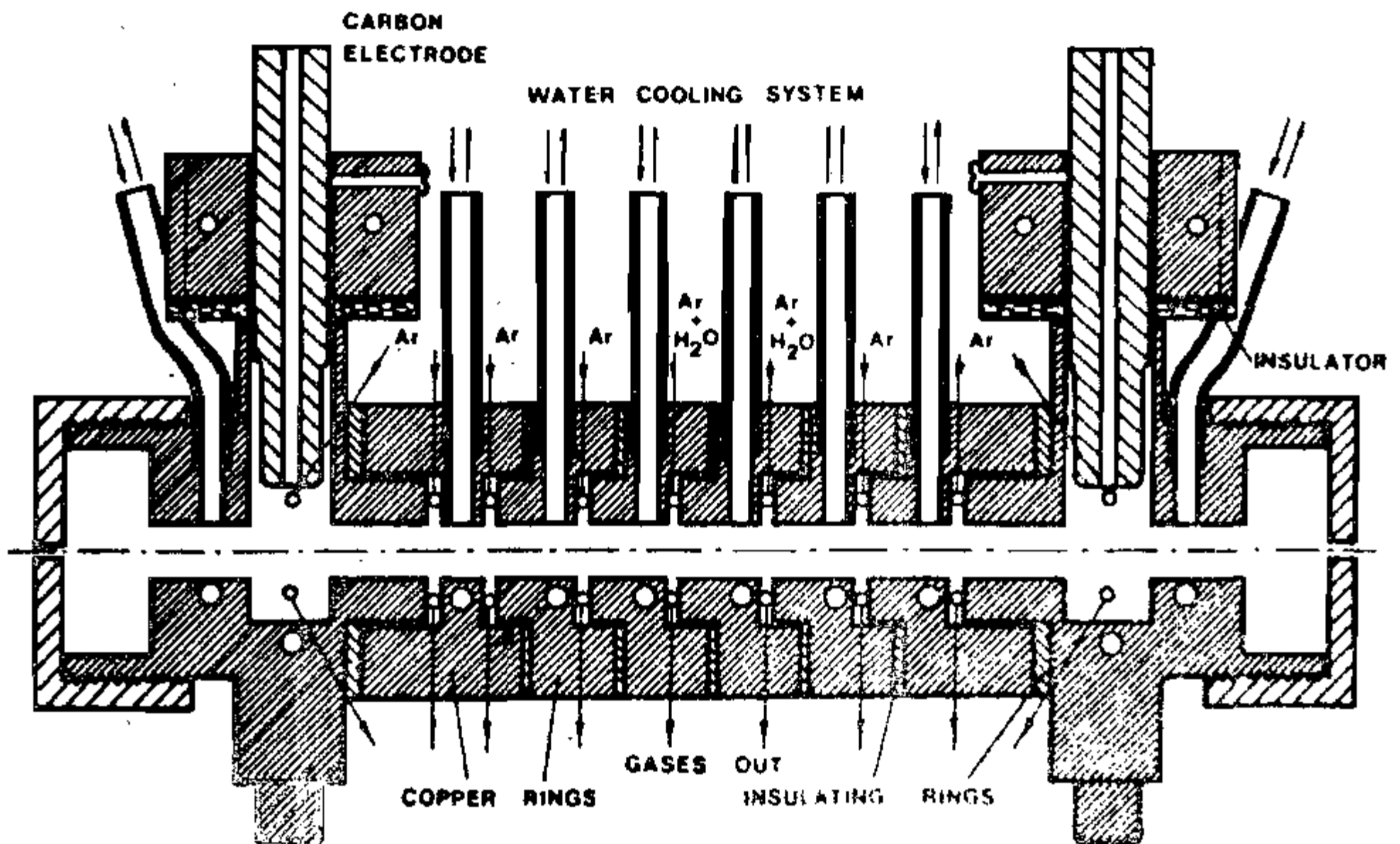


Figure 8. Wall stabilized arc.  
Zidno stabilisani luk.

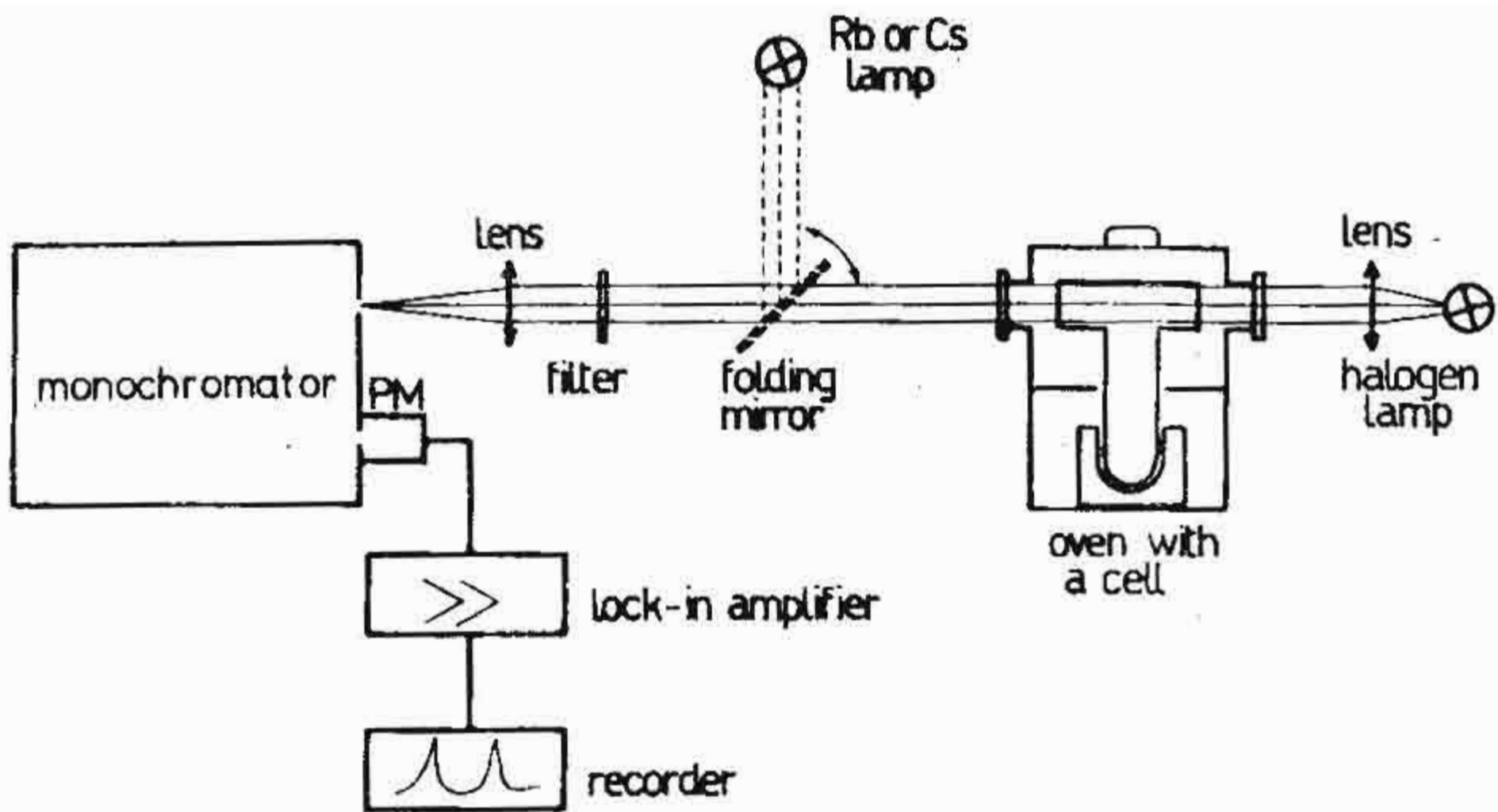


Figure 9. Low pressure lamp.  
Lampa sa niskim pritiskom.



**PART II – DEO II**





## 1. INTRODUCTION

Within bibliography and citation index, references available up to the end of august 1985 are included. Besides the included citations, papers of Yugoslav scientists are largely cited in following publications which include bibliographical reviews: Dimitrijević, Konjević (1981); Institute of Physics, Activities and abstracts of papers 1962–1974; 1974–1975, 1976–1980 and 1981–1985; Fuhr et al (1972, 1974, 1975, 1978) and Teleki (1985). I tried to see personally each paper included. From the letter of dr Lutfi Istrefi from Priština, I know the existence of 3 diploma works at University in Priština, wirtten in the period considered, namely:

1. N. Bytyqi: „On assymetrical broadening of spectral lines in plasma“ (in albanian), Diploma work 1981.

2. Gëzim Killobocishta: „Spectral line profiles“ (in albanian), diploma work, 1981.

3. Besnik Kondri: „Spectral line emission“ (in albanian), diploma work, 1985.

Each paper of Yugoslav authors is numbered within bibliography and after, papers where the considered paper is cited are given. For citations, yet existing in the bibliography, only short data are given.

## 2. UVOD

U bibliografiji i indeksu citata obuhvaćene su reference dostupne zaključno sa avgustom 1985. godine. Osim uključenih citata, radovi jugoslovenskih autora navedeni u ovom pregledu citiraju se u velikom broju i u sledećim radovima, koji uključuju i bibliografske preglede: Dimitrijević, Konjević (1981); Institut za fiziku, Aktivnosti i sadržaji radova 1962–1974, 1974–1975, 1976–1980 i 1981–1985; Fuhr et al (1972, 1974, 1975, 1978) i Teleki (1985). Trudio sam se da sve navedene radove imam lično u rukama. Na osnovu pisma dr Lutfi Istrefija iz Prištine, saznao sam da su u razmatranom periodu u Prištini napisana tri diplomatska seminara iz ove problematike:

1. N. Bytyqi: „O asimetričnom širenju spektralnih linija plazme“ (na albanskom), diplomski seminar, 1981.

2. Gezim Klllobocishta: „Profil spektralne linije“ (na albanskom), diplomski seminar, 1981.

3. Besnik Kondri: „Emisija spektralnih linija“, (na albanskom), diplomski seminar, 1985.

Svaki rad jugoslovenskih autora u bibliografiji ima svoj redni broj a iza njega, navedeni su radovi u kojima je citiran. Pri tome su za citate koji se već nalaze kao posebne jedincije u bibliografiji, dati samo skraćeni podaci.

## REFERENCES – BIBLIOGRAFIJA

- Dimitrijević, M.S., and Konjević, N.: 1981, Širenje spektralnih linija u plazmi, in *Savremena istraživanja u fizici I*, ed. V. Urošević, Institut za fiziku i Naučna knjiga, Beograd, p. 191.
- Fuhr, J.R., Wiese, W.L., and Roszman, L.J.: 1972, *Bibliography on Atomic Line Shapes and Shifts (1889 through March 1972)*, NBS Spec. Publ. 366, U.S. Dept. of Commerce, Washington D.C.
- Fuhr, J.R., Roszman, L.J., and Wiese, W.L.: 1974, *Bibliography on Atomic Line Shapes and Shifts (April 1972 through June 1972)*, NBS Spec. Publ. 366, Supplement 1, U.S. Dept. of Commerce, Washington D.C.
- Fuhr, J.R., Martin, G.A., and Specht, B.J.: 1975, *Bibliography on Atomic Line Shapes and Shifts (July 1973 through May 1975)*, NBS Spec. Publ. 366, Supplement 2, U.S. Dept. of Commerce, Washington D.C.
- Fuhr, J.R., Miller, B.J., and Martin, G.A.: 1978, *Bibliography on Atomic Line Shapes and Shifts (June 1975 through June 1978)*, NBS Spec. Publ. 366, Supplement 3, U.S. Dept. of Commerce, Washington D.C.
- Institut za fiziku Beograd, *Aktivnosti i kratki sadržaji radova – Activities and abstracts of papers (1962–1974)*, ed. M. Tasić, Institute of Physics, Beograd 1974.
- Institut za fiziku Beograd, *Aktivnosti i kratki sadržaji radova – Activities and abstracts of papers (1974–1975)*, ed. P. Grujić, Institute of Physics, Beograd 1975.
- Institut za fiziku Beograd, *Aktivnosti i kratki sadržaji radova – Activities and abstracts of papers (1976–1980)*, ed. M. Popović–Božić, Institute of Physics, Beograd 1980.
- Institut za fiziku Beograd, *Aktivnosti i kratki sadržaji radova – Activities and abstracts of papers (1981–1985)*, eds. Z. Petrović, Lj. Simić, Z. Đorđević, P. Andjus, Institute of Physics, Beograd 1985.
- Teleki, G.: 1985, *Bibliography of papers of the Belgrade Astronomical Observatory research associates published in the period 1980–1983*, *Bull. Obs. Astron. Belgrade*, **135**, 64.



### **3. BIBLIOGRAPHY AND CITATION INDEX – BIBLIOGRAFIJA I INDEKS CITATA**



**1962**

1. Vujnović, V., Harrison, J.A., Craggs, J.D.: 1962, Balmer Line Profiles in a Capillary Arc Discharge, Proc.Phys.Soc.London **80**, 516.

**1965**

- Vujnović, V.: 1965, Int.J.Electronics, **18**, 411.
- Wiese, W.L.: 1965, Line Broadening, in Plasma Diagnostic Techniques, eds. R.H.Huddleston, S.L.Leonard, Academic Press, New York, London, 265.

**1985**

- Dimitrijević, M.S.: 1985, Publ.Obs.Astron.Belgrade **33**, 11.

**1964**

2. Mazing, M.A., Marinković, M.D., Vrublevskaia, N.A.: 1964, Broadening and Shift of the Al III Spectral Lines in Strongly Ionized Plasma, Bull.Boris Kidrič Inst.Nucl.Sci. **15**, 15.
3. Vujnović, V.: 1964, Dissolution of Hydrogen Spectral Lines at higher Ion Densities, Glasnik Mat.fiz.astron. Ser.II, **19**, 97.

**1970**

- Vujnović, V.: 1970, The Statistical Recombination Continuum and its Relation to the lowering of ionization energy, JQSRT **10**, 929.

**1973**

- Roszman, L.J., Hooper, C.F.Jr.: 1973, Distribution of the Time Dependent Microfield in a Plasma, Phys.Rev.A **7**, 3121.

**1974**

- Griem, H.R.: 1974, Spectral Line Broadening by Plasmas, Academic Press, New York, London.

**1977**

Gurovich, V.T., Engel'sht, V.S.: 1977, Spectrum of Hydrogen Plasma at the Series Limit, Sov.Phys.-JETP **45**, 232.

**1978**

Grim, G.: 1978, Ushirenje spektral'nyh liniy v plazme, Mir, Moskva.

Minaev, P.V.: 1978, Vliyanie plotnosti zaryadov na intenzivnost' spektral'nyh liniy v rtutnoj plazme visokovo davleniya, Opt.Spektrosk. **45**, 656.

**1965**

4. Vujnović, V.: 1965, Behaviour of the First Balmer Lines In a High Density Plasma, Int.J.Electronics **18**, 411.

**1970**

Vujnović, V.: 1970, The statistical recombination continuum and its relation to the lowering of ionization energy, JQSRT **10**, 929.

**1973**

Rozzman, L.J., Hooper, C.F.Jr.: 1973, Distribution of the Time Dependent Microfield in a Plasma, Phys.Rev.A **7**, 3121.

**1974**

Griem, H.R.: 1974, Spectral Line Broadening by Plasmas, Academic Press, New York, London.

**1977**

Bacon, M.E.: 1977, The Assymetry of Ly- $\alpha$  and Ly- $\beta$ , JQSRT **17**, 501.

Ruždjak, V., Vujnović, V.: 1977, Statistically extended recombination continuum and line dissolution in an analysis of Balmer spectrum at line merging region, Astron.Astrophys. **54**, 751.



**1978**

Grim, G.: 1978, Ushirenje spektral'nyh linij v plazme, Mir, Moskva.

**1985**

Gavrilov, V.E., Gavrilov, T.V., Fedorova, T.N.: 1985, Diyagnostika vodorodnoj plazmy s koncentraciej elektronov  $10^{18} \text{ cm}^{-3}$ , Opt.Spektrosk. 58, 1228.

**1968**

5. Ćirković, Lj.M., Labat, J.M., Purić, J.M.: 1968, Determination of spectral line profiles with Fabry-Perot interferometer with axicon, IV SPIG, Herceg Novi 1968, 35.

**1970**

Purić, J., Labat, J., Ćirković, Lj., Konjević, N.: 1970, Fizika 2, 67.

6. Pavlov, M., Prasad, A.N.: 1968, Experimental Studies of the Wing Broadening of the  $D_{\beta}$  Line, Z.Physik 209, 244.

**1968**

Pavlov, M., Prasad, A.N.: 1968, Spectroscopic Studies of Decay of Hydrogen Plasmas in a T-Tube, Z.Physik 212, 266.

**1969**

Voslamber, D.: 1969, Unified Model for Stark Broadening, Z.Naturforsch. A 24, 1458.

**1970**

Cowley, C.R.: 1970, The Theory of Stellar Spectra, Gordon and Breach, New York, London, Paris.

Griem, H.R.: 1974, Spectral Line Broadening by Plasmas, Academic Press, New York, London.

Kaul, Ch.: 1974, Teoriya zvezdnyh spektrov, Mir, Moskva.

1978

Chotin, J.L., Lemaire, J.L., Marque, J.P., Rostas, F.: 1978, Measurement of the Ion-mass Effect on the Central Structure of  $H_{\beta}$  in a Plasma produced by a Combustion-Driven Shock Tube, J.Phys.B 11, 371.

Grim, G.: 1978, Ushirenje spektral'nyh linij v plazme, Mir, Moskva.

1969

7. Konjević, N., Labat, J., Ćirković, Lj., Purić, J.: 1969, Measurements of the Stark Broadening of Several Ar II Lines, IX Int.Conf.Phys.Ioniz.Gases, Bucharest, 593.

1970

Konjević, N., Ćirković, Lj., Labat, J.: 1970, Laser interferometric measurements of electron density in a shock wave plasma, Fizika 2, 121.

Konjević, N., Mitrović, V., Ćirković, Lj., Labat, J.: 1970, Fizika 2, 129.

Konjević, N., Purić, J., Ćirković, Lj., Labat, J.: 1970, J.Phys.B 3, 999.

Mitrović, V.: 1970, Magistrski rad, Beograd PMF.

1972

Purić, J.: 1972, Doktorska teza, Beograd PMF.

Purić, J.: 1972, Invited lectures, VI SPIG, Miljevac by Split, 521.

1976

Vandersi, B., Dielis, J.W.H., Graef, W.P.M.: 1976, Experimental natural lifetime determination of Ar (II) lower laser levels, JQSRT 16, 1011.

1977

Batenin, P.A., Minaev, P.V.: 1977, Continuous radiation from a dense weakly non-ideal argon plasma, JQSRT 18, 171.

8. Konjević, N.M., Labat, J.M., Ćirković, L.J., Purić, J.: 1969, Merenje Štarkovog širenja spektralnih linija jedamput jonizovanog argona, Interna publikacija, Institut za fiziku, Beograd.
9. Purić, J.M.: 1969, Ispitivanje parametara plazme stvorene udarnim talasom u helijumu, Magistarski rad, Beograd PMF.
10. Purić, J., Labat, J.M., Ćirković, L.J., Konjević, N.M.: 1969, Eksperimentalno proučavanje Štarkovog širenja linije  $5876 \text{ \AA}$  neutralnog helijuma u plazmi, Interna publikacija, Institut za fiziku, Beograd.

## 1970

11. Acinger, K., Miler, D., Pichler, G., Mejaški-Tonejc, A., Vujnović, V.: 1970, Measurements on a wall-stabilized cascade argon arc, Fizika 2, suppl. 1, 85.

### 1971

Mejaški-Tonejc, A., Acinger, K.: 1971, III EGAS, Reading, 279.

### 1972

Mejaški-Tonejc, A., Acinger, K., Vujnović, V.: 1972, JQSRT 12, 1305.

12. Konjević, N.: 1970, Širenje spektralnih linija u plazmi (predavanje održano na Kongresu matematičara, fizičara i astronoma Jugoslavije, Ohrid, 1970), Institut za fiziku, Odeljenje za fiziku jonizovanih gasova, Beograd.

### 1974

Mičunović, J.: 1974, Diplomski rad, Beograd PMF.

### 1975

Djurović, S.: 1975, Diplomski rad, Novi Sad PMF.

Koković, M.: 1975, Diplomski rad, Novi Sad PMF.

### 1976

Milošević, Z.: 1976, Diplomski rad, Beograd ETF.

### 1977

Kostić, B.: 1977, Diplomski rad, Beograd ETF.

13. Konjević,N., Ćirković,Lj., Labat,J.: 1970, Laser Interferometric Measurements of Electron Density in a Shock Wave Plasma, *Fizika* **2**, 121.

**1970**

Konjević,N.: 1970, Kongres MFAJ, Uvodno predavanje, Ohrid.

Konjević,N., Labat,J., Ćirković,Lj., Purić,J.: 1970, *Z.Physik* **235**, 35.

Konjević,N., Mitrović,V., Ćirković,Lj., Labat,J.: 1970, *Fizika* **2**, 129.

Konjević,N., Radivojević,D., Ćirković,Lj., Labat,J.: 1970, *J.Phys. B* **3**, 1742.

**1971**

Purić,J., Platiša,M., Konjević,N.: 1971, *Z.Physik* **247**, 216.

Radivojević,D.: 1971, Magistarski rad, Beograd PMF.

**1972**

Purić,J.M.: 1972, Doktorska teza, Beograd PMF.

Purić,J.: 1972, Invited papers of VI SPIG Miljevac by Split, 521.

Wiese, W.L.: 1972, Experimental Studies of the Stark Broadening of Hydrogen Lines, In *Physics of Ioniz.Gases 1972* (Proc. of invited lectures given at the VI Yug.Symp. and Summer School on the Phys.Ioniz.Gases, Miljevac By Split 1972) ed. M.V.Kurepa, Inst. of Physics, Beograd, 559.

Wiese,W.L., Kelleher,D.E., Paquette,D.R.: 1972, Detailed Study of the Stark Broadening of Balmer Lines in a High-Density Plasma, *Phys.Rev.A* **6**, 1132.

**1973**

Hadžiomerspahić,D., Platiša,M., Konjević,N., Popović,M.: 1973, *Z.Physik* **262**, 169.

#### 1974

Griem, H.R.: 1974, Spectral Line Broadening by Plasmas, Academic Press, New York, London.

Wiese, W.L.: 1974, Experimental Progress on Plasma Broadening of Hydrogen Balmer Lines, in Physics of Ionized Gases 1974 (Proc. of Invited Lectures given at VII Symp. Phys. Ionized Gases, Rovinj 1974) ed. V. Vujnović, Inst. of Phys. Zagreb.

#### 1977

Preston, R.C.: 1977, Spectroscopic Studies of a Plasma Temperature and Radiation Standard based on a Wall-Stabilized Arc, JQSRT 18, 337.

Purić, J., Lakićević, I., Labat, J., Djenžić, S., Ćirković, L.J.: 1977, Phys. Lett. A 63, 243.

#### 1978

Grim, G.: 1978, Ushirenje spektral'nyh linij v plazme, Mir, Moskva.

#### 1979

Lakićević, I.S., Purić, J.M., Dimitrijević, M.S.: 1979, Proc. III Nat. Conf. Yug. Astr. Belgrade 1977, Publ. Obs. Astr. Beograd 26, 144.

14. Konjević, N., Grujić, P., Ćirković, L.J., Labat, J.: 1970, A study of the Stark broadening of isolated ion lines in plasmas, V SPIG, Herceg Novi, Contributed papers, p. 93.

15. Konjević, N., Grujić, P., Ćirković, L.J., Labat, J.: 1970, A Study of the Stark Broadening of Isolated Ion Lines in Plasmas, Fizika suppl. 2, 81.

16. Konjević, N., Labat, J., Ćirković, L.J., Purić, J.: 1970, Measurement of the Stark Broadening Parameters of Some Singly ionized Argon Lines, Z. Physik 235, 35.

### 1970

- Konjević, N.: 1970, Kongres MFAJ, Uvodno predavanje, Ohrid.
- Konjević, N., Grujić, P., Ćirković, Lj., Labat, J.: 1970, V SPIG, Herceg Novi, Contributed papers 93.
- Konjević, N., Grujić, P., Ćirković, Lj., Labat, J.: 1970, Fizika suppl. 2, 31.
- Konjević, N., Purić, J., Ćirković, Lj., Labat, J.: 1970, J.Phys.B 3, 999.
- Konjević, N., Radivojević, D., Ćirković, Lj., Labat, J.: 1970, J.Phys.B 3, 1742.

### 1971

- Hildum, J.S., Cooper, J.: 1971, Stark Broadening of Calcium Ion Resonance Lines, Phys.Lett.A 36, 153.
- Konjević, N., Platiša, M.: 1971, Proc. III EGAS Reading, 191.
- Konjević, N., Platiša, M., Purić, J.: 1971, X ICPIG, Oxford, 332.
- Platiša, M., Purić, J., Konjević, N., Labat, J.: 1971, Astron. Astrophys. 15, 325.
- Purić, J., Platiša, M., Konjević, N.: 1971, Z.Physik 247, 216.
- Radivojević, D.: 1971, Magistarski rad, Beograd PMF.

### 1972

- Grubor, D., Popović, M.M.: 1972, Electron density measurements in early stage of the high current pulsed discharge, VI Symp.Phys.Ioniz.Gases Miljevac by Split 1972, Contributed papers, ed. M.Kurepa, Institute of Physics, Beograd.
- Konjević, N.: 1972, VI SPIG, Miljevac by Split, 217.
- Purić, J.M.: 1972, Doktorska disertacija, Beograd PMF.
- Purić, J.: 1972, Invited papers of VI SPIG Miljevac by Split, 521.

### 1973

Grubar, D., Popović, M.M., Urošević, V.: 1973, XI ICPIG, Prague, 403.

Jones, W.W.: 1973, Comparison of Measured and Calculated Stark Parameters for Singly Ionized Atoms, Phys.Rev.A 7, 1826.

Purić, J., Djeniže, S., Ćirković, L.J., Labat, J.: 1973, XI ICPIG, Prague, 445.

### 1974

Dimitrijević, M.S., Grujić, P., Konjević, N.: 1974, VII SPIG, Rovinj, 249.

Genat, J.F., Skowronek, M., Popović, M.M.: 1974, VII SPIG, Rovinj, 281.

Labat, J., Djeniže, S., Ćirković, L.J., Purić, J.: 1974, J.Phys.B 7, 1174.

### 1976

Dimitrijević, M.S.: 1976, Magistarski rad, Beograd PMF.

Konjević, N., Wiese, W.L.: 1976, J.Phys.Chem.Ref.Data 5, 259.

Purić, J., Labat, J., Djeniže, S., Ćirković, L.J., Lakićević, I.: 1976, Phys. Lett.A 56, 83.

Vitel, Y., Skowronek, M., Popović, M.M.: 1976, Spectroscopic Study of Dense Plasmas of Argon and Xenon produced in Flash Tubes, Proc. IV Int.Conf.Gas Discharges, Swansea, Inst. Electr.Engeneers, 379.

### 1977

Batenin, V.M., Minaev, P.V.: 1977, Continuous radiation from a dense weakly non-ideal argon plasma, JQSRT 18, 171.

Lakićević, I.S.: 1977, Magistarski rad, Beograd PMF.

Purić, J., Lakićević, I., Labat, J., Djeniže, S., Ćirković, L.J.: 1977, Phys. Lett.A 63, 243.

1978

Dimitrijević, M.S.: 1978, Doktorska teza, Beograd PMF.

Dimitrijević, M.S., Konjević, N.: 1978, JQSRT 20, 223.

1979

Lakićević, I.S., Purić, J., Dimitrijević, M.S.: 1979, Proc. III Nat. Conf. Yug. Astr. Belgrade 1977, Publ. Obs. Astr. Belgrade 26, 144.

1982

Lakićević, I.S.: 1982, Doktorska disertacija, Beograd PMF.

Rathore, B.A.: 1982, Doctoral Thesis, Beograd PMF.

1984

Lebedeva, V.V., Odincov, A.I., Glavatskih, N.A., Grin', L.E., Shul'ga, A.G.: 1984, Issledovanie Štarkovskogo ushireniya nelinejnyh trehurovnyh rezonansov na svyazannyh perehodah Ar II, Zh. Prikl. Spektrosk. 41, 385.

Margolin, L.Y., Polynovskaya, N.Y., Pyatnitskii, L.N., Timergaliev, R.S., Edelman, S.A.: 1984, Polarization of the emission lines of an arc plasma at atmospheric pressure, High Temperature - USSR 22, 149.

1985

Helbig, V.: 1985, Good news-bad news? Stark broadening at moderate electron densities, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 3.

17. Konjević, N., Mitrović, V., Ćirković, L.J., Labat, J.: 1970, Measurement of the Stark Broadening Parameters of Several Singly Ionized Nitrogen Lines, Fizika 2, 129.

1970

Konjević, N.: 1970, Uvodno predavanje na Kongresu MFAJ Ohrid.

1971

Konjević, N., Platiša, M., Purić, J.: 1971, X ICPIG, Oxford, 382.



Mitrović,V.: 1971, Magistarski rad, Beograd PMF.

Radivojević,D.: 1971, Magistarski rad, Beograd PMF.

#### **1972**

Purić,J.: 1972, Doktorska disertacija, Beograd PMF.

Purić,J.: 1972, Invited lectures of VI SPIG, Miljevac by Split,  
521.

#### **1973**

Jones,W.W.: 1973, Comparison of Measured and Calculated Stark  
Parameters for Singly Ionized Atoms, Phys.Rev.A 7, 1826.

#### **1974**

Dimitrijević,M.S., Grujić,P., Konjević,N.: 1974, VII SPIG, Rovinj,  
249.

Griem,H.R.: 1974, Spectral Line Broadening by Plasmas,  
Academic Press, New York, London.

#### **1976**

Dimitrijević,M.S.: 1976, Magistarski rad, Beograd PMF.

Konjević,N., Wiese, W.L.: 1976, J.Phys.Chem.Ref.Data 5, 259.

#### **1978**

Grim,G.: 1978, Ushirenje spektral'nyh linij v plazme, Mir,  
Moskva.

#### **1979**

Källne,E., Jones,L.A., Barnard,A.J.: 1979, Experimental Study  
Of Stark Broadening of Nitrogen Ion Lines In a Theta  
Pinch Plasma, JQSRT, 22, 589.

#### **1980**

Dimitrijević,M.S., Konjević,N.: 1980, V ESCAMPIG, Dubrovnik, 88.

#### **1981**

Dimitrijević,M.S., Konjević,N.: 1981, JQSRT 25, 387.

Dimitrijević, M.S., Konjević, N.: 1981, In *Spectral Line Shapes*, ed. B.Wende, W.de Gruyter, Berlin, New York, 211.

Istrefi, L.: 1981, *Doktorska disertacija*, Beograd PMF.

#### 1983

Kobzev, G.A.: 1983, *Ushirenje spektral'nyh linij polozhitel'nyh jonov azota i kisloroda*, preprint No 1-101, IVTAN, Moskva.

#### 1984

Torres, F., Gigosos, M.A., Mar, S.: 1984, *Study of the Balmer beta core in a pulsed plasma*, *JQSRT* 31, 265.

Konjević, N., Platiša, M.: 1970, *Measurements of the Stark Broadening Parameters of several Cl I Lines*, V SPIG Herceg Novi, *Contributed papers*, p. 95.

Konjević, N., Platiša, M.: 1970, *Measurements of the Stark Broadening Parameters of several Cl I Lines*, *Fizika* 2 suppl. 1, 83.

Konjević, N., Platiša, M., Labat, J.: 1970, *Experimental Study of the Stark Broadening of Neutral Chlorine Lines*, *Phys.Lett.A* 32, 420.

#### 1970

Konjević, N.: 1970, *Uvodno predavanje na Kongresu MFAJ*, Ohrid.

#### 1971

Konjević, N., Platiša, M., Purić, J.: 1971, X ICPIG, Oxford, 382.

Purić, J., Konjević, N., Platiša, M., Labat, J.: 1971, *Phys.Lett.A* 37, 425.

Radivojević, D.: 1971, *Magistarski rad*, Beograd PMF.

#### 1972

Konjević, N.: 1972, VI SPIG, Miljevac by Split, 217.

Konjević, N., Platiša, M., Popović, M.: 1972, *Z.Physik* 257, 235.

Purić, J.M.: 1972, *Doktorska disertacija*, Beograd PMF.

#### 1974

Griem, H.R.: 1974, *Spectral Line Broadening by Plasmas*, Academic Press, New York, London.

1976

Konjević, N., Roberts, J.R.: 1976, J.Phys.Chem.Ref.Data 5, 209.

1978

Grim, G.: 1978, Ushirenje spektral'nyh linij v plazme, Mir, Moskva.

21. Konjević, N., Purić, J., Ćirković, L.J., Labat, J.: 1970, Measurements of the Stark Broadening Parameters of several Si II Lines, J.Phys.B 3, 999.

1970

Konjević, N.: 1970, Uvodno predavanje na Kongresu MFAJ, Ohrid.

Konjević, N., Grujić, P., Ćirković, L.J., Labat, J.: 1970, V SPIG, Herceg Novi, 93.

Konjević, N., Grujić, P., Ćirković, L.J., Labat, J.: 1970, Fizika 2 suppl. 1, 81.

Konjević, N., Radivojević, D., Ćirković, L.J., Labat, J.: 1970, J.Phys.B 3, 1742.

1971

Konjević, N., Platiša, M.: 1971, III EGAS, Reading, 191.

Konjević, N., Platiša, M., Purić, J.: 1971, X ICPIG, Oxford, 332.

Platiša, M., Purić, J., Konjević, N., Labat, J.: 1971, Astron.Astrophys. 15, 325.

Radivojević, D.: 1971, Magistarski rad, Beograd PMF.

1972

Chapelle, J., Czernichowski, A.: 1972, Elargissement par effet Stark des raies 6371.4 et 6347.1 Å de Si<sup>0</sup>-II, Acta Physica Polonica A 41, 753.

Konjević, N.: 1972, VI SPIG, Miljevac by Split, 217.

Purić, J.: 1972, Doktorska disertacija, Beograd PMF.

Purić, J.: 1972, Invited papers of VI SPIG, Miljevac by Split, 521.

### 1973

Jones,W.W.: 1973, Comparison of Measured and Calculated Stark Parameters for Singly Ionized Atoms, *Phys.Rev.A* **7**, 1826.

Regemorter,H.van : 1973, Collision cross sections and line broadening, in Reports on astronomy, Transactions of the Int.Astronom.Union Vol. XV A, ed. C.de Jäger, D.Reidel, Dordrecht, Boston.

### 1974

Dimitrijević,M.S., Grujić,P., Konjević,N.: 1974, VII SPIG, Rovinj, 249.

Griem,H.R.: 1975, Stark Broadening, in Advances in Atomic and Molecular Physics, eds. D.R.Bates, B.Ederson, Academic Press, New York, San Francisco, London, **11**, 331.

### 1976

Dimitrijević,M.: 1976, VIII SPIG, Dubrovnik, 424.

Dimitrijević,M.S.: 1976, Magistarski rad, Beograd PMF.

Konjević,N., Wiese,W.L.: 1976, *J.Phys.Chem,Ref.Data* **5**, 259.

### 1977

Lesage,A.: 1977, Etude de l'élargissement Stark de raies de l'atome de silicium ionisé, Université de Paris-Sud, Centre d'Orsay.

### 1978

Chiang,W.T., Griem,H.R.: 1978, Measurements of the Stark broadening of ionized Silicon lines from a plasma, *Phys. Rev.A* **18**, 1169.

Grim,G.: 1978, Ushirenje spektral'nyh linij v plazme, Mir, Moskva.

Purić,J., Lesage,A., Knežević,V.: 1978, IX SPIG, Dubrovnik, 237.

**1982**

Kusch,H.J., Schröder,K.: 1982, Experimental Stark Broadening Data of Si II and Si III Lines, *Astron.Astrophys.* **116**, 255.

Rathore, B.A.: 1982, Doctoral Thesis, Beograd PMF.

**1983**

Lesage,A., Rathore,B.A., Lakićević,I.S., Purić,J.: 1983, *Phys.Rev.A* **28**, 2264.

22. Konjević,N., Radivojević,D., Ćirković,Lj., Labat,J.: 1970, Investigation of the Stark Broadening of Several Cl II Lines, *J.Phys.B* **3**, 1742.

**1970**

Konjević,N.: 1970, Uvodno predavanje na Kongresu MFAJ, Ohrid.

Konjević,N., Grujić,P., Ćirković,Lj., Labat,J.: 1970, V SPIG, Herceg Novi, 93.

Konjević,N., Grujić,P., Ćirković,Lj., Labat,J.: 1970, *Fizika* **2** suppl. 1, 81.

**1971**

Konjević,N., Platiša,M.: 1971, III EGAS, Reading, 191.

Konjević,N., Platiša,M., Purić,J.: 1971, X ICPIG, Oxford, 382.

Konjević,N., Platiša,M., Purić,J.: 1971, *J.Phys.B* **4**, 1541.

Platiša,M., Purić,J., Konjević,N., Labat,J.: 1971, *Astron.Astrophys.* **15**, 325.

Purić,J., Platiša,M., Konjević,N.: 1971, *Z.Physik* **247**, 216.

**1972**

Purić,J.M.: 1972, Doktorska disertacija, Beograd PMF.

Purić,J.: 1972, Invited papers of VI SPIG Miljevac by Split, 521.

**1976**

Konjević,N., Wiese,W.L.: 1976, *J.Phys.Chem.Ref.Data* **5**,259.

23. Mejaški-Tonejc, A., Vujnović, V.: 1970, An Interferometric analysis of the profiles of spectral lines emitted by a low temperature arc, *Fizika* **2**, 73.

24. Pichler, G.: 1970, Izračunavanje Stark-konstanti visoko pobudjenih nivoa atoma bakra i srebra, V Kongres MFAJ, Ohrid, 1970.

25. Purić, J., Labat, J., Ćirković, Lj., Konjević, N.: 1970, Experimental Study of Stark Broadening of Neutral Helium Line 5876 Å in a Plasma, *Fizika* **2**, 67.

**1970**

Konjević, N.: 1970, Uvodno predavanje na Kongresu MFAJ, Ohrid.

**1971**

Radivojević, D.: 1971, Magistarski rad, Beograd PMF.

**1985**

Uzelac, N.I.: 1985, Magistarski rad, Beograd ETF.

**1971**

26. Bojović, V.: 1971, Merenje parametara Štarkovog širenja izolovanih Si II linija, Diplomski rad, Beograd PMF.

27. Konjević, N., Platiša, M.: 1971, On the Application of Griem's Semiempirical Formula for the Computation of Stark Widths of Isolated Ion Lines in Plasmas, III Conf. Europ. Group for Atomic Spectrosc., Univ. Reading, 191.

28. Konjević, N., Platiša, M., Purić, J.: 1971, Electron Impact Broadening of Ionized Chlorine Lines, *J. Phys. B* **4**, 1541.

**1971**

Konjević, N., Platiša, M.: 1971, III EGAS, Reading, 191.

Platiša, M., Purić, J., Konjević, N., Labat, J.: 1971, *Astron. Astrophys.* **15**, 325.

Purić, J., Konjević, N., Platiša, M., Labat, J.: 1971, Phys.Lett.A **37**,  
425.

Purić, J., Platiša, M., Konjević, N.: 1971, Z.Physik **247**, 216.

#### 1972

Hadžiomerspahić, D., Konjević, N., Platiša, M., Popović, M.: 1972,  
VI SPIG, Miljevac by Split, 221.

Konjević, N.: 1972, VI SPIG, Miljevac by Split, 217.

Konjević, N., Platiša, M., Popović, M.: 1972, Z.Physik **257**, 235.

Purić, J.: 1972, Doktorska disertacija, Beograd PMF.

Purić, J.: 1972, Invited papers of VI SPIG, Miljevac by Split, 521.

#### 1973

Hadžiomerspahić, D.: 1973, Magistarski rad, Beograd ETF.

Hadžiomerspahić, D., Platiša, M., Konjević, N., Popović, M.: 1973,  
Z.Physik **262**, 169.

Jones, W.W.: 1973, Comparison of Measured and Calculated Stark  
Parameters for Singly Ionized Atoms, Phys.Rev.A **7**, 1826.

#### 1974

Dimitrijević, M.S., Grujić, P., Konjević, N.: 1974, VII SPIG, Rovinj,  
249.

Griem, H.R.: 1974, Spectral Line Broadening By Plasmas,  
Academic Press, New York, London.

#### 1975

Platiša, M., Popović, M., Dimitrijević, M., Konjević, N.: 1975,  
Z.Naturforsch. **30a**, 212.

Platiša, M., Popović, M., Konjević, N.: 1975, XII ICPIG, Eindhoven,  
369.

Platiša, M., Popović, M., Konjević, N.: 1975, Astron.Astrophys.  
**45**, 325.

## 1976

Bekefi, G., Deutsch, C., Yaakobi, B.: 1976, Spectroscopic Diagnostic of Laser Plasmas, In Principles of Laser Plasmas, ch.13, 549, ed. G.Bekefi, J.Willey, New York.

Dimitrijević, M.S.: 1976, Magistarski rad, Beograd PMF.

Dimitrijević, M.: 1976, VIII SPIG, Dubrovnik, 424.

Konjević, N., Wiese, W.L.: 1976, J.Phys.Chem.Ref.Data 5, 259

Platiša, M., Dimitrijević, M., Popović, M., Konjević, N.: 1977, Astron.Astrophys. 54, 837.

Platiša, M., Dimitrijević, M., Popović, M., Konjević, N.: 1977, J.Phys.B 10, 2997.

Platiša, M., Konjević, N.: 1977, XIII ICPIG, Berlin, 121.

Preston, R.C.: 1977, Spectroscopic Studies of a Plasma Temperature and Radiation Standard Based on a Wall-stabilized Arc, JQSRT 18, 337.

## 1978

Grim, G.: 1978, Ushirenje spektral'nyh linij v plazme, Mir, Moskva.

Platiša, M., Dimitrijević, M.S., Konjević, N.: 1978, Astron.Astrophys. 67, 103.

Platiša, M., Popović, M., Dimitrijević, M., Konjević, N.: 1978, IX SPIG, Dubrovnik, 245.

Platiša, M., Popović, M., Konjević, N.: 1978, JQSRT, 20, 477.

## 1979

Platiša, M., Popović, M., Dimitrijević, M., Konjević, N.: 1979, JQSRT 22, 333.

## 1982

Wiese, W.L., Konjević, N.: 1982, JQSRT 28, 185.

## 1983

Kobilarov, R.: 1983, Magistarski rad, Beograd PMF.



1984

Miller, M.H., Abadie, D., Lesage, A.: 1984, Experimental Stark Widths for P II, S II, Cl II and Systematic Broadening Trends along Periodic Row, VIII Int.Conf.Spectr.Line Shapes, Aussois A5.

1985

Miller, M.H., Abadie, D., Lesage, A.: 1985, Experimental Phosphorus and Sulfur Stark Widths and Systematic Broadening Trends for Third-row Ions, *Astrophys.J.* **291**, 217.

Miller, M.H., Abadie, D., Lesage, A.: 1985, Experimental Stark Widths for Phosphorus and Sulfur and Systematic Trends for Third-row Ion Line Broadening, in *Spectral Line Shapes III*, ed. F.Rostas, W.de Gruyter, Berlin, New York, 45.

29. Konjević, N., Platiša, M., Purić, J.: 1971, Stark Broadening of Cl II Lines, *Proc. X Int.Conf.Phen.Ioniz.Gases*, Oxford, Donald Parsons & Co., 332.

1972

Purić, J.M.: 1972, Doktorska disertacija, Beograd PMF.

Purić, J.: Invited papers at VI SPIG, Miljevac by Split, 521.

1973

Hadžiomerspahić, D.: 1973, Magistarski rad, Beograd ETF.

30. Mitrović, V.: 1971, Merenje parametara Štarkovog širanja nekoliko linija jednostruko jonizovanog azota, Magistarski rad, Univerzitet u Beogradu.
31. Platiša, M., Purić, J.: 1971, Analysis of Instrumental Profile of Axicon-Scanned Fabry-Perot Spectrometer, *Fizika* **3**, 175.
32. Platiša, M., Purić, J., Konjević, N., Labat, J.: 1971, Measurement of Electron-Impact Broadening of Ionized Beryllium and Barium Lines in an Electric Shock Tube Plasma, *Astron.Astrophys.* **15**, 325.

1972

Konjević, N.: 1972, VI SPIG, Miljevac by Split, 217.

Purić, J.M.: 1972, Doktorska disertacija, Beograd PMF.

Purić, J.: Invited papers at VI SPIG, Miljevac by Split, 521.

Purić, J., Konjević, N.: 1972, Z.Physik 249, 440.

#### 1973

Hadžiomerspahić, D.: 1973, Magistarski rad, Beograd ETF.

Hadžiomerspahić, D., Platiša, M., Konjević, N., Popović, M.: 1973, Z.Physik 262, 169.

Purić, J., Djeniže, S., Labat, J., Ćirković, Lj.: 1973, Phys.Lett.A 45, 97.

Purić, J., Ćirković, Lj.: 1973, XI ICPIG, Prague, 398.

Ragemorter, H.van : 1973, Collision cross sections and line broadening, In Reports on Astronomy, Transactions of the Int.Astron.Union Vol XV A, ed. C. de Jäger, D.Reidel, Dordrecht, Boston.

#### 1974

Griem, H.R.: 1974, Spectral Line Broadening by Plasmas, Academic Press, New York, London.

#### 1975

Purić, J., Labat, J., Djeniže, S., Ćirković, Lj.: 1975, XII ICPIG, Eindhoven, 368.

#### 1976

Konjević, N., Wiese, W.L.: 1976, J.Phys.Chem.Ref.Data 5, 259.

#### 1977

Kurucz, R.L., Traub, W.A., Carleton, N.P., Lester, J.B.: 1977, Rotational velocity and barium abundance of Sirius, Astrophys.J. 217, 771.

Lakićević, I.S.: 1977, Magistarski rad, Beograd PMF.

## 1978

Fleurier,C.: 1978, Etude, du profil Stark d'un certain nombre de raies d'interet astrophysique:- Raies ioniques de Mg II, Ca II, Sr II, Ba II, Al II - Raie 4471 A de He I (Influence de la masse des ions perturbateurs), These, Universite de l'Orleans.

Gorchakov,A.V., Demkin,V.P.: 1978, Raschet Shtarkovskih polushirin i sdvigov spektral'nyh linij ionov, Fizika (Izv. vysshih uchebnyh zavedenij, Tomsk) No 4, 113.

Grim,G.: 1978, Ushirenje spektral'nyh linij v plazme, Mir, Moskva.

## 1979

Glavonjić,V.Dj.: 1979, Magistarski rad, Beograd PMF.

## 1982

Lakićević,I.S.: 1982, Doktorska disertacija, Beograd PMF.

Rathore,B.A.: 1982, Doctoral thesis, Beograd PMF.

Purić,J., Konjević,N., Platiša,M., Labat,J.: 1971, Stark Shifts of Cl I and Cl II Lines, Phys.Lett.A 37, 425.

## 1972

Konjević,N., Platiša,M., Popović,M.: 1972, Z.Physik 257, 235.

Purić,J.M.: 1972, Doktorska disertacija, Beograd PMF.

Purić,J.: 1972, Invited papers at VI SPIG, Miljevac by Split, 521.

## 1973

Purić,J., Djeniže,S., Ćirković,Lj., Labat,J.: 1973, XI ICPIG, Prague, 445.

## 1974

Griem,H.R.: 1974, Spectral Line Broadening by Plasmas, Academic Press, New York, London.

Labat,J., Djeniže,S., Ćirković,Lj., Purić,J.: 1974, J.Phys.B 7, 1174.

**1976**

Dimitrijević, M.S.: 1976, Magistarski rad, Beograd PMF.

Dimitrijević, M.S.: 1976, VIII SPIG, Dubrovnik, 424.

Konjević, N., Roberts, J.R.: 1976, J.Phys.Chem.Ref.Data **5**, 209.

Konjević, N., Wiese, W.L.: 1976, J.Phys.Chem.Ref.Data **5**, 259.

**1977**

Lakićević, I.S.: 1977, Magistarski rad, Beograd PMF.

**1973**

Erin, G.: 1973, Ushirenje spektral'nyh linij v plazme, Mir, Moskva.

**1982**

Lakićević, I.S.: 1982, Doktorska disertacija, Beograd PMF.

Rathora, B.A.: 1982, Doctoral Thesis, Beograd PMF.

34. Purić, J., Platiša, M., Konjević, N.: 1971, Stark Broadening of Singly Ionized Strontium and Calcium Lines, Z.Physik **247**, 216.

**1972**

Hadžionerspačić, D., Konjević, N., Platiša, M., Popović, M.: 1972, VI SPIG, Miljevac by Split, 221.

Molveger, H.: 1972, The Solar Abundance of Calcium and Collision Broadening of Ca I and Ca II Fraunhofer Lines by Hydrogen, Solar Phys. **25**, 14.

Konjević, N.: 1972, VI SPIG, Miljevac by Split, 217.

Purić, J.M.: 1972, Doktorska disertacija, Beograd PMF.

Purić, J.: 1972, Invited papers at VI SPIG, Miljevac by Split, 521.

Purić, J., Konjević, N.: 1972, Z.Physik **249**, 440.

**1973**

Hadžionerspačić, D.: 1973, Magistarski rad, Beograd ETF.

Hadžionerspačić, D., Platiša, M., Konjević, N., Popović, M.: 1973, Z.Physik **262**, 169.

- Heuschkel, J., Kusch, H.J.: 1973, Stark Broadening and Shift of Singly Ionized Aluminium Lines, *Astron.Astrophys.* **25**, 149.
- Jones, W.W.: 1973, Comparison of Measured and Calculated Stark Parameters for Singly Ionized Atoms, *Phys.Rev.A* **7**, 1826.
- Purić, J., Ćirković, L.J.: 1973, XI ICPIG, Prague, 398.
- Purić, J., Djeniže, S., Ćirković, L.J., Labat, J.: 1973, XI ICPIG, Prague, 445.

#### 1974

- Griem, H.R.: 1974, *Spectral Line Broadening by Plasmas*, Academic Press, New York, London.
- Pavlov, M., Platiša, M.M., Popović, M.M., Popović, M.V.: 1974, Study of Transient and Steady State Conditions of a High Current Pulsed Arc, VII SPIG, Rovinj, 285.
- Purić, J., Djeniže, S., Labat, J., Ćirković, L.J.: 1974, *Z.Physik* **267**, 71.

#### 1975

- Baur, J.F., Cooper, J.: 1975, A measurement at low temperature of the Stark broadened 3968 Å line of ionized Calcium, *Phys.Lett.A* **54**, 457.
- Ishikawa, M.: 1975, Spectrum of Delta Scuti variable 20 Canum Venaticorum model atmosphere analysis, *Publ.Astron.Soc. Japan* **27**, 1.
- Seaton, M.J.: 1975, Electron Impact excitation of positive ions, *Adv.Atom.Molec.Phys.* **11**, 83.

#### 1976

- Đimić, M.S.: 1976, Magistrski rad, Beograd PMF.
- Konjević, N., Wiese, W.L.: 1976, *J.Phys.Chem.Ref.Data* **5**, 259.
- Sadakane, K.: 1976, Spectroscopic study of Ap star 73 Draconis-model atmosphere analysis, *Publ.Astron.Soc.Japan* **28**, 469.

### 1977

Baur, J.F., Cooper, J.: 1977, A Shock Tube Study of Line Broadening in a Temperature Range of 6100 to 8300 K, JQSRT, 17, 311.

Fleurier, C., Sahal-Brechot, S., Chapelle, J.: 1977, Stark Profiles of Some Ion Lines of Alkaline Earth Elements, JQSRT 17, 595.

Lakićević, I.S.: 1977, Magistrski rad, Beograd PMF.

Purić, J., Lakićević, I., Labat, J., Djeniže, S., Ćirković, L.J.: 1977, Phys.Lett.A 63, 2431.

### 1978

Fleurier, C.: 1978, Etude du profil Stark d'un certain nombre de raies d'intérêt astrophysique: - raies ioniques de Mg II, Ca II, Sr II, Ba II, Al II - raie 4471 Å de He I (Influence de la masse des ions perturbateurs), Thèse, Université d'Orleans.

Grin, G.: 1978, Ushirenje spektral'nyh linij v plazme, Mir, Moskva.

### 1979

Sadakane, K., Nishimura, M.: 1979, Differential Abundance Analysis of Gamma Geminorum (A0 IV) Relative to Standard Star Alpha Lyrae (A0 V), Publ.Soc.Astron.Japan 31, 481.

### 1982

Lakićević, I.S.: 1982, Doktorska disertacija, Beograd PMF.

Rathore, B.A.: 1982, Doctoral Thesis, Beograd PMF.

### 1984

Takeda Yo-ichi: 1984 Spectroscopic Analysis of the Suspected Am Star 15 Vulpeculae, Publ.Astron.Soc.Japan 36, 149.

35. Radivojević, D.: 1971, Ispitivanje Štarkovog širenja nekoliko Ca II linija, Magistarski rad, Univerzitet u Beogradu.

**1976**

Milošević, Z.: 1976, Diplomski rad, Beograd ETF.

36. Tonejc, A.M., Acinger, K.: 1971, Measurement of halfwidths of 6965.43, 7067.2, 7147.04 and 7272.93 Å lines in a wall stabilized cascade arc, III EGAS, Reading, 279.

**1972**

37. Hadžiomerspahić, D., Konjević, N., Platiša, M., Popović, M.: 1972, Stark Broadening and Shift of Calcium Ion Lines, VI SPIG, Miljevac by Split, 221.

**1973**

Hadžiomerspahić, D.: 1973, Magistarski rad, Beograd PMF.

**1977**

Lakićević, I.S.: 1977, Magistarski rad, Beograd PMF.

38. Konjević, N.: 1972, On the Electron-Impact Broadening of Isolated Spectral Lines of Heavy Elements in Plasma, VI SPIG, Miljevac by Split, 217.

39. Konjević, N., Platiša, M., Popović, M.: 1972, Stark Broadening and Shift of Fluorine I Lines, Z.Physik 257, 235.

**1972**

Konjević, N.: 1972, VI SPIG, Miljevac by Split, 217.

**1973**

Purić, J., Djeniže, S., Ćirković, Lj., Labat, J.: 1973, XI ICPIG, Prague, 445.

**1974**

Griem, H.R.: 1974, Spectral Line Broadening by Plasmas, Academic Press, New York, London.

Peiser,H.S., Chappell,E., Horowitz,E., Yakowitz,H., Bluebond,D.:  
1973, NBS Special Foreign Currency Program In Yugoslavia  
1971-72, NBS Technical Note 753, U.S.Department of  
Commerce, National Bureau of Standards, Washington.

**1976**

Dimitrijević,M.S.: 1976, Magistarski rad, Beograd PMF.

Milošević,Z.: 1976, Diplomski rad, Beograd ETF.

Purić,J., Lakićević,I., Djeniže,S., Labat,J., Ćirković,L.J.: 1976,  
III ICSLS, London, 21.

**1977**

Lakićević,I.S., 1977, Magistarski rad, Beograd PMF.

Purić,J., Lakićević,I., Labat,J., Djeniže,S., Ćirković,L.J.: 1977,  
Phys.Lett.A 63, 243.

**1978**

Grim,G.: 1978, Ushirenje spektral'nyh linij v plazme, Mir, Moskva.

**1982**

Lakićević,I.S.: 1982, Doktorska disertacija, Beograd PMF.

Rathore,B.A.: 1982, Doctoral thesis, Beograd PMF.

**1983**

Vujnović,V., Vadla,Č., Lokner,V., Dimitrijević,M.S.: 1983,  
Astron.Astrophys. 123, 249.

**1984**

Konjević,N., Dimitrijević,M.S., Wiese,W.L.: 1984, J.Phys.Chem.Ref.  
Data 13, 619.

40. Müller,D., Pichler,G., Vadla,Č.: 1972, An Estimation of the Stark Half-Width  
of the C I 2478 Spectral Line, VI SPIG, Miljevac by Split, 225.

**1973**

Peiser,H.S. Chappell,S.E., Horowitz,E., Yakowitz,H., Bluebond,D.:  
1973, NBS Special Foreign Currency Program In Yugoslavia  
1971-72, NBS Technical Note 753, U.S.Department of  
Commerce, National Bureau of Standards, Washington.



41. Pichler, G.: 1972, Quadratic Stark Constants of Neutral Copper and Silver Spectral Lines in the Coulomb Approximation, *Fizika* 4, 235.

1985

Fleurier, C., Maulat, C.: 1985, Broadening and shift of Cu I and Cu II lines in plasmas, XVII ICPIG, Budapest, 981.

42. Purić, J.: 1972, Experimental Study of Stark Broadening of Ion Lines in Plasmas, in *Physics of Ionized Gases 1972* (Proc. of invited lectures given at VI SPIG, Miljevac by Split 1972), ed. M. Kurepa, Institute of Physics, Beograd, p. 521.

1973

Grubor, D., Popović, M.M., Urošević, V.V.: 1973, XI SPIG, Prague, 403.

1977

Lakićević, I.S.: 1977, Magistrski rad, Beograd PMF.

Lesage, A.: 1977, Etude de l'élargissement de raies de l'atome de silicium ionisé, Thèse, Université de Paris-Sud, Centre d'Orsay.

Lesage, A., Sahal-Bréchet, S., Miller, M.H.: 1977, Stark broadening of singly ionized silicon, *Phys.Rev.A* 16, 1617.

1981

Istrefi, L.: 1981, Doktorska disertacija, Priština.

1982

Lakićević, I.S.: 1982, Doktorska disertacija, Beograd PMF.

Rathore, B.A.: 1982, Doctoral thesis, Beograd PMF.

1983

Lesage, A., Rathore, B.A., Lakićević, I.S.: 1983, *Phys.Rev.A* 28, 2264.

Purić, J., Lesage, A., Lakićević, I.S.: 1983, in *Spectral Line Shapes II*, ed. K. Burnett, W. de Gruyter, Berlin, New York, 175.

43. Purić, J.M.: 1972, Ispitivanje Štarkovog širenja i pomeraja spektralnih linija neutralnih atoma i jona u plazmi, Doktorska teza, Univerzitet u Beogradu, Institut za fiziku.

1972

Purić, J.: 1972, Invited papers at VI SPIG, Miljevac by Split, 521.

1973

Grubor, D., Popović, M.M., Urošević, V.V.: 1973, XI ICPIG, Prague, 403.

Hadžilomerspahić, D.: 1973, Magistarski rad, Beograd ETF.

1975

Djurović, S.: 1975, Diplomski rad, Novi Sad PMF.

Koković, M.: 1975, Diplomski rad, Novi Sad PMF.

1977

Grubor, D.P.: 1977, Proučavanje početnog stadijuma jakostrujnog impulsnog pražnjenja spektroskopskim metodima, Magistarski rad, Univerzitet u Beogradu.

Lakićević, I.S.: 1977, Magistarski rad, Beograd PMF.

1980

Panić, K.: 1980, Diplomski rad, Beograd PMF.

1982

Lakićević, I.S.: 1982, Doktorska disertacija, Beograd PMF.

Rathore, B.A.: 1982, Doctoral thesis, Beograd PMF.

1983

Liesage, A., Rathore, B.A., Lakićević, I.S., Purić, J.: 1983, Phys.Rev.A 28, 2264.

Purić, J., Liesage, A., Lakićević, I.S.: 1983, In Spectral Line Shapes II, ed. K.Burnett, W.de Gruyter, Berlin, New York, 175.

Purić, J., Konjević, N.: 1972, Stark Shifts of Some Isolated Spectral Lines of Singly Ionized Earth Alkaline Metals, Z.Phys. 249, 440.

**1971**

Purić, J., Konjević, N., Platiša, M., Labat, J.: 1971, Phys.Lett.A 37, 425.

**1972**

Hadžiomerspahić, D., Konjević, N., Platiša, M., Popović, M.: 1972, VI SPIG, Miljevac by Split, 221.

Konjević, N., Platiša, M., Popović, M.: 1972, Z.Physik, 257, 235.

Purić, J.M.: 1972, Doktorska disertacija, Beograd PMF.

Purić, J.: 1972, Invited papers at VI SPIG, Miljevac by Split, 521.

**1973**

Hadžiomerspahić, D.: 1973, Magistarski rad, Beograd ETF.

Hadžiomerspahić, D., Platiša, M., Konjević, N., Popović, M.: 1973, Z.Physik 262, 169.

Jones, W.W.: 1973, Comparison of Measured and Calculated Stark Parameters for Singly Ionized Atoms, Phys.Rev.A 7, 1826.

Purić, J., Ćirković, B.J.: 1973, XI ICPIG, Prague, 398.

Purić, J., Djeniže, S., Ćirković, B.J., Labat, J.: 1973, XI ICPIG, Prague, 445.

Purić, J., Djeniže, S., Labat, J., Ćirković, B.J.: 1973, Phys.Lett.A 45, 97.

**1974**

Griem, H.R.: 1974, Spectral Line Broadening by Plasmas, Academic Press, New York, London.

Purić, J., Djeniže, S., Labat, J., Ćirković, B.J.: 1974, Z.Physik 267, 71.

**1976**

Konjević, N., Wiese, W.L.: 1976, J.Phys.Chem.Ref.Data 5, 259.

**1977**

Fleurier, C., Sahal-Brechot, S., Chapelle, J.: 1977, Stark profiles of some ion lines of alkaline earth elements, JQSRT 17, 595.

Lakićević,I.S.: 1977, Magistarski rad, Beograd PMF.

Lakićević,I., Purić,J., Labat,J.: 1977, XIII ICPIG, Berlin, 123.

Purić,J., Labat,J., Ćirković,L.J., Lakićević,I., Djenžić,S.: 1977, J.Phys.B  
10, 2375.

#### 1978

Fleurier,C.: 1978, Etude du profil Stark d'un certain nombre de raies d'intérêt astrophysique:-Raies ioniques de Mg II, Ca II, Sr II, Ba II, Al II:-Raie 4471 Å de He I (Influence de la masse des ions perturbateurs), Thèse, L'Université d'Orleans.

Gorchakov,L.V., Demkin,V.P.: 1978, Raschet Shtarkovskih polushirin i sdvigov spektral'nyh linij ionov, Izv.vyssshih uchebnyh zavedenij, Tomsk, Fizika No 4, 113.

Grim,G.: 1978, Ushirenje spektral'nyh linij v plazme, Mir, Moskva.

#### 1979

Glavonjić,V.Dj.: 1979, Magistarski rad, Beograd PMF.

Purić,J., Lakićević,I., Glavonjić,V.: 1979, J. de Physique 40, C7-835.

#### 1981

Purić,J., Lakićević,I.S., Glavonjić,V.: 1981, JQSRT, 26, 65.

#### 1982

Lakićević,I.S.: 1982, Doktorska disertacija, Beograd PMF.

Lakićević,I.S.: In Phys.Ioniz.Gases 1982, 483.

Lakićević,I.S., Purić,J.: 1982, XI SPIG, Dubrovnik, 289.

Purić,J., Lakićević,I.S.: 1982, VI ICSSL, Boulder, 5.

Purić,J., Rathore,B.A., Lakićević,I.S., Ćuk,M., Ćekić,M.: 1982,  
XI SPIG, Dubrovnik, 307.

Rathore,B.A.: 1982, Doctoral thesis, Beograd PMF.

#### 1983

Lakićević,I.S., Purić,J.: 1983, J.Phys.B 16, 1525.

Purić, J., Lakićević, I.S.: 1983, In Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 161.

**1984**

Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, J. Phys. Chem. Ref. Data 13, 649.

Purić, J., Ćuk, M., Ćekić, M., Rathore, B.A., Lakićević, I.S.: 1984, VII ICSSL, Aussois, A2.

**1985**

Dimitrijević, M.S., Konjević, N.: 1985, XVII ICPIG, Budapest, 975.

Purić, J., Ćuk, M., Ćekić, M., Rathore, B.A., Lakićević, I.S.: 1985, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 55.

45. Tonejc, A.: 1972, Measurements of Halfwidths of Certain Argon Lines, JQSRT 12, 1713.

**1976**

Dimitrijević, M.S.: 1976, Magistrski rad, Beograd PMF.

Konjević, N., Roberts, J.R.: 1976, J. Phys. Chem. Ref. Data 5, 209.

**1982**

Rathore, B.A.: 1982, Doctoral thesis, Beograd PMF.

**1983**

Jones, D.W., Musiol, K., Wiese, W.L.: 1983, Stark widths and shifts for some Ar I 4s-4p transitions, In Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 125.

**1984**

Hohimer, J.P.: Potassium seeded wall-stabilized arc source for Stark broadening studies, Rev. Sci. Instrum. 55, 1410.

46. Tonejc, A.M., Acinger, K., Vujnović, V.: 1972, Measurements of Halfwidths of Some Argon Lines in a Wall-Stabilized Cascade Arc, JQSRT 12, 1305.

1972

Tonejc,A.: 1972, JQSRT 12, 1713.

1974

Griem,H.R.: 1974, Spectral Line Broadening by Plasmas, Academic Press, New York, London.

1976

Konjević,N., Roberts,J.R.: 1976, J,Phys.Chem.Ref.Data 5, 209.

1978

Grim,G.: 1978, Ushirenje spektral'nyh linij v plazme, Mir, Moskva.

1981

Džimberg,V.: 1981, Diplomski rad, PMF Sveučilišta Zagreb.

1983

Jones,D.W., Musiol,K., Wiese,W.L.: 1983, Stark widths and shifts for some Ar I 4s-4p transitions, in Spectral Line Shapes II, ed. K.Burnett, W.de Gruyter, Berlin,New York, 125.

1985

Helbig,V.: 1985, Good news - bad news? Stark broadening at moderate electron densities, in Spectral Line Shapes III, ed. F.Rostas, W.de Gruyter, Berlin, New York, 3.

1973

47. Grubor,D., Popović,M.M., Urošević,V.V.: 1973, Time dependence of line profiles in argon pulsed discharges, XI ICPIG, Prague, 403.

48. Hadžiomerspahić,D.: 1973, Stark-ovo širenje i pomjeraj spektralnih linija jedanput jonizovanih atoma zemno-alkalnih metala, Magistarski rad, Beograd ETF.

1974

Mičunović,J.: 1974, Diplomski rad, Beograd PMF.

#### 1980

Panić, K.: 1980, Diplomski rad, Beograd PMF.

49. Hadžiomerspahić, D., Platiša, M., Konjević, N., Popović, M.: 1973, Stark Broadening and Shift of Some Isolated Spectral Lines of Singly Ionized Earth Alkaline Metals, Z.Physik 262, 169.

#### 1974

Dimitrijević, M.S., Grujić, P., Konjević, N.: 1974, VII SPIG, Rovinj, 249.

Griem, H.R.: 1974, Spectral Line Broadening by Plasmas, Academic Press, New York, London.

#### 1975

Baur, J.F., Cooper, J.: 1975, A measurement at low temperature of the Stark broadened  $3968 \text{ \AA}$  line of ionized calcium, Phys. Lett.A 54, 457.

#### 1976

Dimitrijević, M.S.: 1976, Magistarski rad, Beograd PMF.

Dimitrijević, M.: 1976, VIII SPIG, Dubrovnik, 424.

Konjević, N., Wiese, W.L.: 1976, J.Phys.Chem.Ref.Data 5, 259.

Wiese, W.L., Konjević, N.: 1976, VIII SPIG, Dubrovnik, 416.

#### 1977

Baur, J.F., Cooper, J.: 1977, A Shock Tube Study of Line Broadening in a Temperature Range of 6100 to 8300 K, JQSRT 17, 311.

Fleurier, C., Sahal-Brechot, S., Chapelle, J.: 1977, Stark profiles of some ion lines of alkaline earth elements, JQSRT 17, 595.

Lakićević, I.S.: 1977, Magistarski rad, Beograd PMF.

#### 1978

Bluebond, D.M., Marvin, R.S., Peiser, H.S.: 1978, NBS Special Foreign Currency Program in Yugoslavia 1973-1978, NBS Technical Note 986, U.S. Department of Commerce, Washington.

- Dimitrijević, M., Konjević, N.: 1978, JQSRT 20, 223.
- Fleurier, C.: 1978, Etude du profil Stark d'un certain nombre de raies d'intérêt astrophysique: - Raies ioniques de Mg II, Ca II, Sr II, Ba II, Al II - Raie 4471 Å de He I (influence de la masse des ions perturbateurs), Thèse, Université d'Orleans.
- Grim, G.: 1978, Ushirenje spektral'nyh linij v plazme, Mir, Moskva.
- 1979**
- Glavonjić, V.Dj.: 1979, Magistarski rad, Beograd PMF.
- 1981**
- Dimitrijević, M.S., Konjević, N.: 1981, in Spectral Line Shapes, ed. B.Wende, W.de Gruyter, Berlin, New York, 211.
- Dimitrijević, M.S., Konjević, N.: 1981, Astron.Astrophys. 102, 93.
- Goldbach, C., Nollez, G., Plomdeur, P., Zimmermann, J.P.: 1981, Mesure des largeurs Stark des raies de resonance de Mg I et Mg II émises par un plasma d'arc, II Colloque sur l'influence des processus collisionnels sur le profil des raies spectrales, Orleans, P5.
- Syrkin, M.I.: 1981, Raschety elektronogo ushireniya spektral'nyh linij v teorii optičeskih svojstv plazmy, Opt.Spektrosk. 51, 778.
- 1982**
- Dimitrijević, M.S.: 1982, in Phys.Ioniz.Gases 1982, 397.
- Goldbach, C., Nollez, G., Plomdeur, P., Zimmermann, J.P.: 1982, Stark-width measurements of neutral and singly ionized magnesium resonance lines in a wall-stabilized arc, Phys.Rev.A 25, 2596.



Konjević,N.: 1982, In Phys.Ioniz.Gases 1982, 417.

Lakićević,I.S.: 1982, Doktorska disertacija, Beograd PMF.

Miller,M.H., Lesage,A., Abadie,D.: 1982, Experimental Stark widths of Xe II and trends in the broadening of homologous rare-gas ions, Phys.Rev.A 25, 2064.

### 1983

Finken,K.H.: 1983, Untersuchungen an dichten Z-pinch Plasmen, Fortschritte der Physik 31, 1.

Goldbach,C., Nollez,G., Plomdeur,P., Zimmermann,J.P.: 1983, Stark width measurements of singly ionized calcium resonance lines in a wall-stabilized arc, Phys.Rev.A 28, 234.

Lakićević,I.S.: 1983, Astron.Astrophys. 127, 37.

Richou,J., Manola,S., Lesage,A., Abadie,D., Miller,M.H.: 1983, XVI ICPIG, Düsseldorf, 632.

### 1984

Dimitrijević,M.S., Konjević,N.: 1984, in Fotoprocesy vzbuzhdeniya i ionizacii, LGU, Leningrad, 41.

Konjević,N., Dimitrijević,M.S., Wiese,W.L.: 1984, J.Phys.Chem.Ref. Data 13, 649.

Richou,J., Manola,S., Lebrun,J.L., Lesage,A.: 1984, Phys.Rev.A 29, 3181.

### 1985

Dimitrijević,M.S., Konjević,N.: 1985, XVII ICPIG, Budapest, 975.

30. Lakićević,I.: 1973, Štarkovo širenje i pomeranje Si I linija u plazmi, Diplomski rad, Beograd PMF.

31. Müller,D., Pichler,G., Vadić,Č.: 1973, Determination of the Stark Width of the C I 2478 Spectral Line, Phys.Lett.A 46, 247.

**1976**

Dimitrijević, M.S.: 1976, Magistarski rad, Beograd PMF.

Konjević, N., Roberts, J.R.: 1976, J.Phys.Chem.Ref.Data **5**, 209.

**1979**

Vadla, Č., Vujnović, V.: 1979, Phys.Rev.A **20**, 1573.

**1982**

Goly, A., Weniger, S.: 1982, Experimental Stark widths and shifts of two ultraviolet C(II) lines, JQSRT **27**, 657.

52. Niemax, K., Pichler, G.: 1973, Asymmetric self-broadening of Cs principal lines, I Europhys.Study Conf. on Spectral Line Broadening and Related Topics, Paris (Meudon), CC.4.

53. Purić, J.M., Ćirković, Lj.M.: 1973, Regularities in Stark broadening parameters, XI ICPIG, Prague, 398.

**1977**

Lakićević, I.S.: 1977, Magistarski rad, Beograd PMF.

Purić, J., Labat, J., Ćirković, Lj., Lakićević, I., Djeniže, S.: 1977, J.Phys.B **10**, 2375.

**1978**

Purić, J., Dimitrijević, M.S., Lakićević, I.S.: 1978, Phys.Lett. A **67**, 189.

**1979**

Glavonjić, V.Dj.: 1979, Magistarski rad, Beograd PMF.

**1980**

Konjević, N., Dimitrijević, M.S.: 1980, V ICSSL, Berlin, 55.

**1981**

Konjević, N., Dimitrijević, M.S.: 1981, in Spectral Line Shapes, ed. B.Wende, W. de Gruyter, Berlin, New York, 241.

**1982**

Lakićević, I.S.: 1982, Doktorska disertacija, Beograd PMF.

Wiese, W.L., Konjević, N.: 1982, JQSRT, **28**, 185.

**1983**

Kobilarov, R.: 1983, Magistrski rad, Beograd PMF.

54. Purić, J.M., Djeniže, S.I., Ćirković, L.J.M., Labat, J.M.: 1973, Stark Shift Measurements of Ionized Argon and Silicon Lines, XI ICPIG, Prague, 445.

**1977**

Margolin, L.Ya., Pyatnitskii, L.N.: 1977, Low-Temperature Plasma Diagnostics by Scattering and Resonance Fluorescence, XIII ICPIG, Berlin, 187.

**1979**

Margolin, L.Ya., Pyatnitskii, L.N., Shternov, N.P.: 1979, Low-temperature plasma investigations by resonance Rayleigh scattering of weak intensity radiation, (XIV ICPIG, Grenoble), J.de Physique, C7-801.

**1981**

Purić, J.: 1981, XV ICPIG, Minsk, Invited papers, 311.

**1984**

Margolin, L.Ya., Polynovskaya, N.Y., Pyatnitskii, L.N., Timergaliev, R.S., Edelman, S.A.: 1984, Polarization of the emission lines of an arc plasma at atmospheric pressure, High Temperature-USSR, **22**, 149.

55. Purić, J., Djeniže, S., Labat, J., Ćirković, L.J.: 1973, Stark Shift of Neutral and Ionized Silicon Spectral Lines, Phys.Lett.A **45**, 97.

**1974**

Dimitrijević, M.S., Grujić, P., Konjević, N.: 1974, VII SPIG, Rovinj, 249.

Purić, J., Djeniže, S., Labat, J., Ćirković, L.J.: 1974, Z.Physik, **267**, 71.

**1975**

Lesage, A., Miller, M.H.: 1975, Experimental widths and shifts for ionized silicon lines, XII ICPIG, Eindhoven, 370.

Lesage,A., Miller,M.: 1975, Détermination expérimentale de l'élargissement et du déplacement Stark de raies d'atomes de silicium ionisés, C.R.H.Acad.Sci.B, Paris 280, 645.

1976

Dimitrijević,M.S.: 1976, Magistarski rad, Beograd PMF.

Dimitrijević,M.: 1976, VIII SPIG, Dubrovnik, 424.

Konjević,N., Roberts,J.R.: 1976, J.Phys.Chem.Ref.Data 5, 209.

Konjević,N., Wiese,W.L.: 1976, J.Phys.Chem.Ref.Data 5, 259.

1977

Lesage,A.: 1977, Etude d'élargissement Stark de raies de l'atome de silicium ionisé, Thèse, Université de Paris-Sud, Centre d'Orsay.

Lesage,A., Sahal-Bréchet,S., Miller,M.H.: 1977, Stark broadening of singly ionized silicon, Phys.Rev.A 16, 1617.

1982

Rathore,B.A.: Doctoral thesis, Beograd PMF.

Kusch,H.J., Schröder,K.: 1982, Experimental Stark Broadening Data of Si II and Si III Lines, Astron.Astrophys. 116, 255.

1983

Lesage,A., Rathore,B.A., Lakićević,I.S., Purić,J.: 1983, Phys.Rev.A 28, 2264.

1984

Konjević,N., Dimitrijević,M.S., Wiese,W.L.: 1984, J.Phys.Chem.Ref.Data 13, 649.

56. Sušić,R.: 1973, Merenje elektronske koncentracije plazme pomoću laserskog interferometra i Šarkovog profila  $H_{\beta}$  linije, Diplomski rad, Beograd PMF.

1974

57. Dimitrijević,M.S., Grujić,P., Konjević,N.: 1974, On the Stark Broadening Theory of Singly Ionized Atoms, VII SPIG, Rovinj, 249.

**1977**

Dimitrijević, M.S.: 1976, Magistarski rad, Beograd PMF.

58. Labat, J., Djenžić, S., Ćirković, L.J., Purić, J.: 1974, Stark Shifts of Singly Ionized Argon Lines, *J.Phys.B* 17, 1174.

**1975**

Griem, H.R.: 1975, Stark broadening, *Adv.Atom.Molec-phys.* 11, 331.

**1976**

Konjević, N., Wiese, W.L.: *J.Phys.Chem.Ref.Data* 5, 259.

**1978**

Dimitrijević, M.S.: 1978, Doktorska teza, Beograd PMF.

Dimitrijević, M., Konjević, N.: 1978, *JQSRT*, 20, 223.

Hashimoto, S., Orihara, S.: 1978, Measurements of the Stark shifts of singly ionized argon lines, *Proc. of the Faculty of Science, Tokio Univ.* 14, 95.

**1979**

Santiago, J., Johnson, J.A.: 1979, Resonant absorption in an argon plasma at thermal equilibrium, *J.Appl.Phys.* 50, 5704.

**1981**

Istrefi, L.: 1981, Doktorska teza, Priština.

**1985**

Helbig, V.: 1985, Good news - bad news? Stark broadening at moderate electron densities, In *Spectral Line Shapes III*, ed. F.Rostas, W.de Gruyter, Berlin, New York, 3.

59. Mićunović, J.: Štarkovo širenje spektralnih linija višestruko jonizovanog argona, Diplomski rad, Beograd PMF.

60. Niemax,K., Pichler,G.: 1974, Asymmetric Self-Broadening of Cs Principal Lines.  
J.Phys.B 7, 1204.

**1974**

Niemax,K., Pichler,G.: 1974, VII SPIG, Rovinj, 253.

Niemax,K., Pichler,G.: 1974, J.Phys.B, 7, 2355.

**1975**

Niemax,K., Pichler,G.: 1975, J.Phys.B 8, 179.

Niemax,K., Pichler,G.: 1975, J.Phys.B 8, 2718.

**1976**

Pichler,G.: 1976, Measurement of oscillator strengths of principal series  
lines of cesium, JQSRT, 16, 147.

**1977**

Niemax,K.: 1977, Broadening and Oscillator Strengths of Cs Quadrupole  
Lines, JQSRT, 17, 125.

Pascu,M.L.: 1977, Optical Study of Molecular Ions in Plasma, Stu.Cer.Fiz.  
29, 363.

Toader,E.I., Collins,C.B., Johnson,B.W., Mirza, M.Y.: 1977, Molecular  
Satellites of the  $6^2S - 7^2P$  Doublet of Cesium, Phys.Rev.A  
16, 1490.

**1978**

Szudy,J.: 1978, Pressure effects on spectral lines, Acta.Phys.Pol.A  
54, 261.

Veža,D., Pichler,G., Movre,M.: 1978, IX SPIG, Dubrovnik, 249.

**1979**

Behmenburg,W.: 1979, Line Shapes, in Progress In Atomic Spectroscopy,  
PTB Physics of Atoms and Molecules, eds. W.Hanle, H.Kleinpoppen,  
Plenum Press, New York, 1187.

Niemax,K., Movre,M., Pichler,G.: 1979, J.Phys.B 12, 3503.

**1984**

Kelly, J.F.: 1984, Observations of induced transitions in the UV absorption spectrum of Ba, *Phys.Rev.A*, **29**, 144.

**1985**

Huennekens, J., Wu, Z., Wulker, T.G.: 1985, Ionization, excitation of highly lying atomic states, and molecular fluorescence in Cs vapor excited at  $\lambda = 455.7$  and  $459.4\text{nm}$ , *Phys.Rev.A*, **31**, 196.

61. Niemax, K., Pichler, G.: 1974, Asymmetric Self-Broadening of Cs Resonance Lines, *J.Phys.B* **7**, 2355.

**1975**

Niemax, K., Pichler, G.: 1975, *J. Phys.B*, **8**, 179.

Baksh, F.G., Gyuzhev, G.A., Kaplan, V.B., Kostin, A.A., Martynovskii, A.M., Yurev, V.G.: 1977, Quenching of low-voltage arc at low-pressure of cesium, *Zh.Tekhn.Fiz.*, **47**, 263.

Lorenzen, J., Niemax, K.: 1977, Absorption Measurements of the Principal Series Lines of Cs Broadened by Xe, *Z.Naturforsch.*, **32a**, 853.

Movre, M., Pichler, G.: 1977, *J.Phys.B*, **10**, 2631.

Niemax, K.: 1977, Broadening and Oscillator Strengths of Cs Quadrupole Lines, *JQSRT*, **17**, 125.

**1978**

Exton, R.J., Snow, W.L.: 1978, Line Shapes (absorption coefficients) for satellites and inversion of data to obtain interaction potentials, *JQSRT*, **20**, 1.

Szudy, J.: 1978, Pressure effects on spectral lines, *Acta Phys.Pol.A* **54**, 261.

**1980**

Veža, D., Movre, M., Pichler, G.: 1980, *J.Phys.B*, **13**, 3605

Bezuglov,N.N., Dobrolezh,B.V., Klyucharev,A.N., Razumovskaya,L.P., Pichler,G.: 1980, Opticheskoe vozbuždenie v rezhlme perenosa izlucheniya s uchetom tusheniya vozbuždennyh sostoyanii, Opt. Spektrosk., 49, 844.

1982

Veža,D.: 1982, Interakcija atoma litija i natrija u atomske pari, Magistarski rad, Zagreb Sveučilište.

1984

Kolar,I.: 1984, Istraživanje visoko-tlačnih K-, Rb-halogenih izvora svjetlosti, Magistarski rad, Zagreb Sveučilište.

62. Niemax,K., Pichler,G.: 1974, Determination of Cs interaction potentials from wings of self-broadened principal series lines; VII SPIG, Rovinj, 253.
63. Niemax,K., Pichler,G.: 1974, Far line wings of self-broadened Cs principal series lines, II ICSLS, Oregon, M6.
64. Niemax,K., Pichler,G.: 1974, New aspects in the self-broadening of alkali resonance lines, VII SPIG, Rovinj, 257.
65. Niemax,K., Pichler,G.: 1974, Self-broadening of alkali resonance lines, II ICSLS, Oregon.
66. Niemax,K., Pichler,G.: 1974, Unsymmetrische Eigendruckverbreiterung von Cs-Linien, Frühjahrstagung, Stuttgart, 476.
67. Pichler,G.: 1974, Measurements of the oscillator strengths and self-broadening of the Cesium principal series spectral lines, Dissertation zur Erlangung des Doktorgrades, Fakultät der Christian-Albrechts-Universität zu Kiel, Kiel.

1984

Kolar,I.: 1984, Istraživanje visokotlačnih K-, Rb-halogenih izvora svjetlosti, Magistarski rad, Zagreb Sveučilište.

68. Platiša,M., Popović,M., Dimitrijević,M., Konjević,N.: 1974, Stark Broadening of Ar III and Ar IV Lines, VII SPIG, Rovinj, 245.



**1974**

Mičunović, J.: 1974, Diplomski rad, Beograd PMF.

**1976**

Dimitrijević, M.S.: 1976, Magistarski rad, Beograd PMF.

Purić, J., Ćirković, L.J., Labat, J.: 1974, Regularities in Stark Broadening Parameters, *Fizika*, **6**, 211.

**1976**

Purić, J., Labat, J., Ćirković, L.J.: 1976, VIII SPIG, Dubrovnik, 420.

**1977**

Lakićević, I.S.: 1977, Magistarski rad, Beograd PMF.

Lakićević, I., Purić, J., Labat, J.: 1977, XIII ICPIG, Berlin, 123.

Purić, J., Labat, J., Ćirković, L.J., Lakićević, I., Djeniže, S.: 1977, *J.Phys.B*, **10**, 2375.

**1978**

Mazure, A., Nollez, G.: 1978, Application of the Model Microfield Method to Stark Profiles of Alkali metal Resonance Lines, *Z.Naturforsch.* **33a**, 1575.

Purić, J., Dimitrijević, M.S., Lakićević, I.S.: 1978, *Phys.Lett.*, **67A**, 189.

**1979**

Glavonjić, V.D.J.: 1979, Magistarski rad, Beograd PMF.

**1980**

Breger, P.: 1980, Stark broadening of Isolated Ion lines by plasmas, M.Sc. Thesis, Cape Town.

Hey, J.D., Breger, P.: 1980, Calculated Stark widths of Isolated S(III) and S(IV) lines, *JQSRT*, **24**, 427.

Konjević, N., Dimitrijević, M.S.: 1980, V ICSLS, Berlin, 55.

Miller, M.H., Lesage, A., Purić, J.: 1980, *Astrophys.J.*, **239**, 410.

**1981**

Konjević, N., Dimitrijević, M.S.: 1981, In *Spectral Line Shapes*, ed. B.Wende, W.de Gruyter, Berlin, New York, 241.

Purić, J.: 1981, XV ICPIG, Minsk, Invited papers, 311.

Purić, J., Lakićević, I.S., Glavonić, V.: 1981, JQSRT, **26**, 65.

**1982**

Lakićević, I.S.: 1982, Doktorska disertacija, Beograd PMF.

70. Purić, J., Djeniže, S., Labat, J., Ćirković, L.J.: 1974, Stark Broadening Parameters of Si I, Si II and Si III Lines, Z.Phys. **267**, 71.

**1974**

Labat, J., Djeniže, S., Ćirković, L.J., Purić, J.: 1974, **7**, 1174.

**1975**

Griem, H.R.: 1975, Stark Broadening, Adv.Atom.Molec.Phys., **11**, 331.

Lesage, A., Miller, M.H.: 1975, Experimental widths and shifts for ionized silicon lines, XII ICPIG, Eindhoven, 370.

Lesage, A., Miller, M.: 1975, Détermination expérimentale de l'élargissement et du déplacement Stark de raies d'atomes de silicium ionisés, C.R.H.Acad.Sci.B, **280**, 645.

**1976**

Dimitrijević, M.S.: 1976, Magistarski rad, Beograd PMF.

Dimitrijević, M.: 1976, VIII SPIG, Dubrovnik, 424.

Konjević, N., Roberts, J.R.: 1976, J.Phys.Chem.Ref.Data, **5**, 209.

Konjević, N., Wiese, W.L.: 1976, J.Phys.Chem.Ref.Data, **5**, 259.

Purić, J., Djeniže, S., Labat, J., Ćirković, L.J., Lakićević, I.: 1976, VIII SPIG, Dubrovnik, 405.

Purić, J., Labat, J., Djeniže, S., Ćirković, L.J., Lakićević, I.: 1976, Phys.Lett., **56A**, 83.

**1977**

Hey, J.D.: 1977, Estimates of Stark Broadening of some Si(II) Lines, JQSRT, **18**, 425.

Lesage, A.: 1977, Etude de l'élargissement Stark de raies de l'atome de silicium ionisé, Thèse, Université de Paris-Sud, Centre d'Orsay.

Lesage,A., Sahal-Brechot,S., Miller,M.: 1977, Stark broadening of singly ionized silicon, *Phys.Rev.A*, **16**, 1617.

Platiša,M., Dimitrijević,M., Popović,M., Konjević,N.: 1977, *Astron. Astrophys.*, **54**, 837.

Platiša,M., Dimitrijević,M., Popović,M., Konjević,N.: 1977, *J.Phys.B*, **10**, 2997.

#### **1978**

Chiang,W.T., Griem,H.R.: 1978, Measurements of the Stark Broadening of Ionized Silicon Lines from a Plasma, *Phys.Rev.A*, **18**, 1169.

Purić,J., Lesage,A., Knežević,V.: 1978, IX SPIG, Dubrovnik, 237.

#### **1979**

Dimitrijević,M.S.: 1979, III Nat.Conf.Yug.Astr.Belgrade 1977, *Publ. de l'Obs.Astr. de Belgrade*, **26**, 138.

Dimitrijević,M., Konjević,N.: 1979, XIV ICPIG, Grenoble, *J.Phys.* C7-815.

Lakićević,I.S., Purić,J.M., Dimitrijević,M.S.: 1979, III Nat.Conf.Yug.Astr. Belgrade, 1977, *Publ.Obs.Astr. Belgrade*, **26**, 138.

#### **1980**

Hey,J.D., Breger,P.: 1980, Stark broadening of isolated lines emitted by singly-ionized tin, *JQSRT*, **23**, 311.

Dimitrijević,M.S., Konjević,N.: 1980, *JQSRT*, **24**, 451.

#### **1981**

Dimitrijević,M.S., Konjević,N.: 1981, in *Spectral Line Shapes*, ed. B.Wende, W.de Gruyter, Berlin, New York, 211.

Istrefi,L.: 1981, *Doktorska disertacija*, Priština.

#### **1982**

Kusch,H.J., Schröder,K.: 1982, Experimental Stark broadening Data of Si II and Si III Lines, *Astron.Astrophys.*, **116**, 255.

Rathore,B.A.: 1982, *Doctoral Thesis*, Beograd PMF

1983

Dimitrijević, M.S.: 1983, *Astron. Astrophys.*, **127**, 68.

Lesage, A., Rathore, B.A., Lakićević, I.S., Purić, J.: 1983, *Phys. Rev. A*,  
**28**, 2264.

Purić, J., Lesage, A., Lakićević, I.S.: 1983, In *Spectral Line Shapes II*,  
ed. K. Burnett, W. de Gruyter, Berlin, New York, 175.

1984

Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, *J. Phys. Chem. Ref.*  
*Data*, **13**, 649.

71. Ruždjak, V., Vujnović, V., Čerčić, V.: 1974, *Statistically extended  
Recombination Continuum and Line Dissolution in an Analysis of  
Hydrogen Spectrum in the Line Merging Region*, VII SPIG, Rovinj,  
269.

1975

Ruždjak, V.: 1975, *Magistarski rad*, Zagreb Sveučilište.

72. Vadić, Č., Čerčić, V., Vujnović, V., Vujović, O.: 1974, *Determination of  
broadening Parameters for the C I - Lines and Multiplets in  
Vacuum UV*, VII SPIG, Rovinj, 265.

1975

73. Djurović, S.: 1975, *Stark-ovo širenje spektralnih linija vodonika  $H_{\alpha}$  i  $H_{\beta}$  u  
plazmi*, Diplomski rad, Institut za fiziku, Beograd.

1975

Koković, M.: 1975, *Diplomski rad*, Novi Sad PMF.

74. Koković, M.: 1975, *Štarkovo širenje spektralnih linija argona u plazmi*,  
*Diplomski rad*, Novi Sad PMF.
75. Labat, J., Djeniže, S., Purić, J., Čirković, L.J.: 1975, *Spectral Line Radiation  
of Perturbed Argon and Helium Plasma*, XII ICPIG, Eindhoven, 376.

76. Niemax,K., Pichler,G.: 1975, New Aspects in the Self-Broadening of Alkali Resonance Lines, J.Phys.B, 8, 179.

**1976**

Awan,M.S., Lewis,E.L.: 1976, Collision-Induced Features in the Spectrum of Rubidium, J.Phys.B, 9, L551.

Movre,M., Pichler,G.: 1976, VIII SPIG, Dubrovnik,447.

**1977**

Baksht,F.G., Dyuzhev,G.A., Kaplan,V.B., Kostin,A.A., Mart'novskii, A.M., Yurev,V.G.: 1977, Quenching of low-voltage arc at low-pressure of cesium, Zh.Tekhn.Fiz., 47, 263.

Klucharev,A.N., Lazarenko,A.V., Pichler,G., Movre,M.: Phys.Lett.A, 61, 104.

Movre,M., Pichler,G.: 1977, J.Phys.B, 10, 2631.

**1978**

Blendstr.,G., Bershade,D., Langhoff,P.W.: 1978, Resonance refractivity studies of sodium vapor for enhanced flow visualisation, AIAAJ, 16, 1106.

Klucharev,A.N., Lazarenko,A.V., Movre,M.: 1978, Opt.Spectrosc., 45,1033.

Lam,L.K., Fujimoto,T., Gallagher,A.C., Hessel,M.M.: 1978, Collisional excitation transfer between Na and Na<sub>2</sub>, J.Chem.Phys., 68, 3553.

Lau,C.V.,Decker,R.: 1978, MHD Conversion of Solar energy, Progr. Astron., 61, 186.

Matick,A.T.: 1978, Absorption of Solar radiation by adiabatic vapors Progr.Astron., 61, 159.

Pichler,G., Carlsten,J.L.: 1978,J.Phys.B, 11, L483.

Stwalley,W.C., Yang,Y.H., Pichler,G.: 1978, Pure long-range molecules, Phys.Rev.Lett., 41, 1164.

Szudy, J.: 1978, Pressure effects on spectral lines, *Acta Phys.Pol.* 58, 261.

Veža, D., Pichler, G., Movre, M.: 1978, IX SPIG, Dubrovnik, 249.

**1979**

Niemax, K., Movre, M., Pichler, G.: 1979, *J.Phys.B*, 12, 3503.

Woerdman, J.P.: 1979, Self Broadening of the Na 3s-5s and 3s-4d 2 photon transitions, *Opt. Commun.*, 28, 69.

**1980**

Berry, R.S.: 1980, A General Phenomenology for small Clusters, however Floppy, In *Quantum Dynamics of Molecules: The new experimental Challenge to Theorists*, in NATO Advanced Study Institute Series B, Vol. 57, ed. R.G.Wooley, Plenum Press, New York, 143.

Lewis, E.L.: 1980, Collisional relaxation of atomic excited states, Line Broadening and Interatomic Interactions, *Phys.Reports*, 58, 1.

Movre, M., Pichler, G.: 1980, *J.Phys.B*, 13, 697.

Pichler, G.: 1980, in *Quantum Optics*, Gdansk.

Pichler, G.: 1980, V ICSSL, Berlin, 36.

Schnurmans, M.F.H.: 1980, The Fluorescence of Atoms near a Glass-Surface, *Cont.Phys.*, 21, 463.

Stwalley, W.C., Koch, M.E.: 1980, Alkali metal Vapors, *Laser Spectroscopy and Applications*, *Optical Engineering*, 19, 71.

**1981**

Pichler, G.: 1981, in *Spectral Line Shapes*, ed. B.Wende, W.de Gruyter, Berlin, New York, 827.

**1982**

Fujimoto, T., Phelps, A.V.: 1982, Transport of resonance excitation in Na vapor excited by white light, *Phys.Rev.A*, 25, 322.

Veža, D.: 1982, Interakcija atoma litija i natrija u atomskoj pari,  
Magistarski rad, Sveučilište u Zagrebu.

1983

Heinke, H., Lawrentz, J., Niemax, K., Weber, K.H.: 1983, Impact Broadening  
of Alkali Rydberg Levels in Rare and Mixed Alkali Vapors,  
Z.Phys.A, 312, 329.

Huenekens, J., Gallagher, A.: 1983, Resonance Broadening of the Sodium  
D Lines, in Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter,  
Berlin, New York, 664.

Pichler, G., Milošević, S., Veža, D., Bosanac, S.: 1983, In Spectral Line  
Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 611.

Shvegzhda, Z.L., Papernov, S.M., Janson, M.L.: 1983, A study of atom-atom  
and atom-molecule interactions in the resonance excitation of  
sodium atoms, Chem.Phys.Lett., 101, 187.

Woerdman, J.P., de Groot, J.J.: 1983, Emission and absorption spectroscopy  
of high pressure sodium discharges, ACS Symposium Series,  
No 179, 33.

1984

Siegling, F., Niemax, K.: 1984, Low pressure noble gas broadening of the  
Cs resonance lines, Z.Naturforsch.A, 39, 447.

Struve, W.S., Singer, S.J., Freed, K.F.: 1984, Photodissociation of  
homonuclear diatomics. Fine structure cross sections for  $\text{Na}_2(X^1\Sigma_g^+)$   
 $\text{Na}(^2S_{1/2}) + \text{Na}(^2P_{1/2,3/2})$ , Chem.Phys.Lett., 110, 588.

1985

Kantor, P.Ya., Mohov, A.V., Penkin, N.P., Shebanova, L.N.: 1985,  
Rezonansnoe ushirenie linij 794.7 i 780.0 nm Rb I, Opt.Spectrosc.  
58, 1212.

77. Niemax,K., Pichler,G.: 1975, Determination of Van der Waals Constants from the Red Wings of Self-Broadened Cs Principal Series Lines, J.Phys.B, 8, 2718.

1977

Lorenzen,J., Niemax,K.: 1977, Absorption Measurements of the Principal Series Lines of Cs Broadened by Xe, Z.Naturforsch., 32a, 853.

Niemax,K.: 1977, Broadening and Oscillator Strengths of Cs Quadrupole Lines, JQSRT, 17, 125.

1978

Lorenzen,C.J., Niemax,K.: 1978, Oscillator Strengths of some higher Cs Principal Series Lines, J.Phys.B, 11, L723.

Movre,M., Pichler,G.: 1978, IV ICSLS, Windsor(Canada), 12.

1979

Behmenburg,W: 1979, Line Shapes, In Progress In Atomic Spectroscopy, pt.B, Physics of Atoms and Molecules, eds. W.Hanle, H.,Kleinpoppen, Plenum Press, New York, 1187.

Weber, K.H., Niemax,K.: 1979, Self Broadening of Doppler free 2-photon Lines of Cs, Opt.Commun., 28, 317.

1982

Hotop,R., Niemax,K., Schlüter,D.: 1982, On Pair-absorption In Intrinsic Vapours, Z.Phys.A, 304, 185.

1985

Kantor,P.Ya, Mohov,A.V., Penkin,N.P., Shabanova,L.N.: 1985, Rezonansnoe ushirenie liny 794.7 i 780.0 nm Rb I, Opt.Spectrosc. 58, 1212.

78. Pavlov,M., Radujkov,V., Platiša,M., Popović,M.: 1975, Influence of Boundary Layer on H and H Line Shape, XII ICPIG, Eindhoven, 372.



1978

Truong Uach: 1978, Etude de l'élargissement des raies de resonance de l'atome d'aluminium, thèse, L'Université de Paris VII.

1980

Pavlov,M., Terzić,M.: 1980, V ESCAMPIG, Dubrovnik, 92.

Pavlov,M., Terzić,M.: 1975, Uticaj graničnog sloja plazma u T-cevi na oblik H linija, VI MFAJ, Novi Sad, 155.

Platiša,M., Popović,M., Dimitrijević,M., Konjević,N.: 1975, Z.Naturforsch.A, 30, 212.

1975

Griem,H.R.: 1975, Stark Broadening, Adv.Atom.Molec.Phys., 11, 331.

Platiša,M., Popović,M.V., Konjević,N.: 1975, Astron.Astrophys., 45, 325.

1976

Dimitrijević,M.S.: 1976, Magistrski rad, Beograd PMF.

Konjević,N., Wiese,W.L.: 1976, J.Phys.Chem.Ref.Data, 5, 259.

Milošević,Z.: 1976, Diplomski rad, Beograd ETF.

Platiša,M., Dimitrijević,M., Popović,M.V., Konjević,N.: 1976, VIII SPIG, Dubrovnik, 409.

1977

Hey,J.D.: 1977, On the Stark Broadening of Isolated Lines of F(II) and Cl(III) by Plasmas, JQSRT, 18, 649.

Hey,J.D.: 1977, Estimates of Stark Broadening of some A III and A IV Lines, JQSRT, 17, 729.

Platiša,M., Dimitrijević,M., Popović,M., Konjević,M.: 1977, Astron. Astrophys., 54, 837.

Platiša,M., Dimitrijević,M., Popović,M., Konjević,N.: 1977, J.Phys.B, 10, 2997.

### 1978

Bluebond,D.,M., Marvin,S.,R., Peiser,H.,S.: 1978, NBS Special Foreign Currency Program in Yugoslavia 1973-1978, NBS Technical Note 986, U.S.Department of Commerce, Washington.

Dimitrijević,M.S.: 1978, Doktorska teza, Beograd PMF.

Dimitrijević,M., Konjević,N.: 1978, JQSRT, 20, 223.

### 1979

Dimitrijević,M.S.: 1979, III Nat.Conf.Yug.Astr.Belgrade 1977, Publ. Obs.Astron.Belgrade, 26, 138.

Dimitrijević,M., Konjević,N.: 1979, XIV ICPIG, Grenoble, J.Phys., C7, 815.

Platiša,M., Popović,M., Dimitrijević,M., Konjević,N.: 1979, JQSRT, 22, 333.

### 1980

Breger,P.: 1980, Stark Broadening of Isolated Ion Lines by Plasmas. M.Sc.Thesis, Cape Town.

Hey,J.D., Breger,P.: 1980, Stark Broadening of Isolated Lines emitted by Singly-ionized Tin, JQSRT, 23, 311.

Dimitrijević,M.S., Konjević,N.: 1980, JQSRT, 24, 451.

### 1981

Dimitrijević,M.S., Konjević,N.: 1981, In Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 211.

Hey,J.D., Breger,P.: 1981, Stark Broadening of Isolated Ion Lines by Plasmas: Application of Theory, In Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 211.

Istrefl,L.: 1981, Doktorska disertacija, Priština.

Syrkin,M.I.: 1981, Raschetny elektronnoy ushireniya spektral'nykh liniy v teorii opticheskikh svojstv plazmy, Opt.Spektrosk., 51, 778

### 1982

Čelebonović,V.: 1982, Diplomski rad, Beograd PMF.

Wiese, W.L., Konjević, N.: 1982, JQSRT, 28, 185.

**1983**

Kobilarov, R.: 1983, Magistarski rad, Beograd PMF.

**1984**

Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, J.Phys.Chem.Ref.Data 13, 649.

Platiša, M., Popović, M., Konjević, N.: 1975, Stark Broadening of O II and O III Lines, XII ICPIG, Eindhoven, 369.

**1976**

Bekefi, G.: 1976, Principles of Laser Plasma, Willey and Sons, New York.

Platiša, M., Popović, M.V., Konjević, N.: 1975, Stark Broadening of O II and O III Lines, Astron.Astrophys. 45, 325.

**1976**

Dimitrijević, M.S.: 1976, Magistarski rad, Beograd PMF.

Hey, J.D.: 1976, Semiempirical Estimates of Isolated Ion Line Widths, III ICSLS, London, 72.

Konjević, N., Wiese, W.L.: 1976, J.Phys.Chem.Ref.Data, 5, 259.

**1977**

Hey, J.D.: 1977, On the Stark Broadening of Isolated Lines of F(II) and Cl(III) by Plasmas, JQSRT, 18, 649.

Hey, J.D.: 1977, Estimates of Stark Broadening of some A III and A IV Lines, JQSRT, 17, 729.

Hey, J.D.: 1977, The Role of the Oscillator Strength in the Determination of Plasma Densities, JQSRT, 17, 721.

Hey, J.D., Bryan, R.J.: 1977, Estimates of Stark Broadening of Oxygen Ion Lines, JQSRT, 17, 221.

Kostić, B.: 1977, Diplomski rad, Beograd ETF.

Platiša, M., Dimitrijević, M., Popović, M., Konjević, N.: 1977, Astron. Astrophys., 54, 837.

Platiša, M., Popović, M., Dimitrijević, M., Konjević, N.: 1977, J.Phys.  
10, 2997.

1978

Blusbond, D.M., Marvin, S.R., Paiser, H.S.: 1978, NBS Foreign Currency  
Program in Yugoslavia 1973-1978, NBS Technical Note  
986, U.S. Department of Commerce, Washington.

Dimitrijević, M.S.: 1978, Doktorska teza, Beograd PMF.

Dimitrijević, M., Konjević, N.: 1978, JQSRT, 20, 223.

Wiese, W.L., Konjević, N.: 1978, IX SPIG, Dubrovnik, 257.

1979

Dimitrijević, M.S.: 1979, III Nat. Conf. Yug. Astr. Belgrade 1977, Publ. Obs  
Astr. Belgrade, 26, 138.

Dimitrijević, M.S., Konjević, N.: 1979, XIV ICPIG, Grenoble, J.Phys.  
C7, 815.

Platiša, M., Popović, M., Dimitrijević, M., Konjević, N.: 1979, JQSRT,  
22, 333.

1980

Breger, P.: 1980, Stark Broadening of Isolated Ion Lines by Plasmas,  
M.Sc. Thesis, Cape Town.

Hey, J.D., Breger, P.: 1980, Calculated Stark Widths<sup>1</sup> of Oxygen Ion  
Lines, JQSRT, 24, 349.

Hey, J.D., Breger, P.: 1980, Calculated Stark Widths of Isolated S(III)  
and S(IV) Lines, JQSRT, 24, 427.

Dimitrijević, M.S., Konjević, N.: 1980, 24, 451.

1981

Dimitrijević, M.S.: 1981, Publ. Astr. Obs. Sarajevo, 1, 215.

Dimitrijević, M.S., Konjević, N.: 1981, in Spectral Line Shapes, ed. B.  
Manda, W. de Gruyter, Berlin, New York, 211.

Hey, J.D., Breger, P.: 1981, Stark Broadening of Isolated Ion Lines by Plasmas: Application of Theory, in Spectral Line Shapes, ed. B.Wende, W. de Gruyter, Berlin, New York, 201.

Istrefli, L.: 1981, Doktorska disertacija, Priština.

Konjević, N., Dimitrijević, M.S.: 1981, in Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 241.

#### 1982

Dimitrijević, M.S.: In Phys. Ioniz. Gases, ed. G. Pichler, Zagreb, 397.

Dimitrijević, M.S.: 1982 Astron. Astrophys., 112, 251.

Dimitrijević, M.S.: 1982, Hvar. Obs. Bull., 6, 185.

Wiese, W.L., Konjević, N.: 1982, JQSRT, 28, 185.

#### 1983

Kobilarov, R.: 1983, Magistarski rad, Beograd PMF.

Kobzev, G.A.: 1983, Ushirenje spektral'nykh linij položitel'nykh ionov azota i kisloroda, Preprint No I-101, IVTAN, Moskva.

#### 1984

Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, J. Phys. Chem. Ref. Data, 13, 649.

Popović, S., Konjević, N.: 1975, On the Resonance Line Shape Measurements, XII ICPIG, Eindhoven, 381.

Popović, M.V., Platiša, M., Konjević, N.: 1975, Stark Broadening of N II and N III Lines, Astron. Astrophys., 41, 463.

#### 1976

Griem, H.R.: 1976, Stark Broadening in Thermal Plasmas, in Phys. Ioniz. Gases, ed. B. Navinšek, J. Štefan Inst., Ljubljana, 699.

Hey, J.D.: 1976, Semi-empirical Estimates of Isolated Ion Line Widths, III ICSUS, London, 72.

Hey, J.D.: 1976, Estimates of Stark Broadening of Nitrogen Ion Lines, JQSRT, 16, 575.

Konjević, N., Wiese, W.L.: 1976, *J. Phys. Chem. Ref. Data*, **5**, 259.

### 1977

Barfield, W.D.: 1977, *Theoretical Study of Equilibrium Nitrogen Plasma Radiation*, *JQSRT*, **17**, 471.

Hey, J.D.: 1977, *On the Stark Broadening of Isolated Lines of F(II) and Cl(III) by Plasmas*, *JQSRT*, **18**, 649.

Hey, J.D.: 1977, *Estimates of Stark Broadening of some A III and A IV Lines*, *JQSRT*, **17**, 729.

Hey, J.D.: 1977, *The Role of the Oscillator Strength in the Determination of Plasma Densities*, *JQSRT*, **17**, 721.

Hey, J.D., Blaha, M.: 1977, *Stark Broadening of Nitrogen Ion Lines from States of high orbital angular Momentum*, *Bull. Am. Phys. Soc.*, **22**, 1173.

Hey, J.D., Bryan, R.J.: 1977, *Estimates of Stark Broadening of Oxygen Ion Lines*, *JQSRT*, **17**, 221.

Kostić, B.: 1977, *Diplomski rad*, Beograd ETF.

Platiša, M., Dimitrijević, M., Popović, M., Konjević, N.: 1977, *Astron. Astrophys.*, **54**, 837.

Platiša, M., Dimitrijević, M., Popović, M., Konjević, N.: 1977, *J. Phys. B*, **10**, 2997.

### 1978

Bluebond, D.M., Marvin, R.S., Peiser, H.S.: 1978, *NBS Special Foreign Currency Program in Yugoslavia 1973-1978*, NBS Technical Note 986, U.S. Department of Commerce, Washington.

Dimitrijević, M.S.: 1978, *Doktorska teza*, Beograd PMF.

Dimitrijević, M.S., Konjević, N.: 1978, *JQSRT*, **20**, 223.

Hey, J.D., Blaha, M.: 1978, *Stark Broadening of Nitrogen Ion Lines from States of high orbital angular Momentum*, *JQSRT*, **20**, 557.

## 1979

Dimitrijević, M.S.: 1979, III Nat. Conf. Yug. Astr. Belgrade 1977, Publ. Obs. Astr. Belgrade, 26, 138.

Dimitrijević, M., Konjević, N.: 1979, XIV ICPIG, Grenoble, J. Phys., C7, 815.

Källne, E., Jones, L.A., Barnard, A.J.: 1979, Experimental Study of Stark Broadening of Nitrogen Ion Lines in a Theta Pinch Plasma, JQSRT, 22, 589.

Platiša, M., Popović, M., Dimitrijević, M., Konjević, N.: 1979, JQSRT, 22, 333.

## 1980

Dimitrijević, M.S., Konjević, N.: 1980, V ESCAMPIG, Dubrovnik, 88.

Dimitrijević, M.S., Konjević, N.: 1980, JQSRT, 24, 451.

Hey, J.D., Breger, P.: 1980, Calculated Stark Widths of Oxygen Ion Lines, JQSRT, 24, 349.

Miller, M.H., Essage, A., Purić, J.: 1980, Astrophys. J., 239, 410.

## 1981

Dimitrijević, M.S.: 1981, ECAP, Heidelberg, 529.

Dimitrijević, M.S., Konjević, N.: 1981, In Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 211.

Hey, J.D., Breger, P.: 1981, Stark Broadening of Isolated Ion Lines by Plasmas: Application of Theory, In Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 201.

Istrefi, L.: 1981, Doktorska disertacija, Priština.

Purić, J.: 1981, XIV ICPIG, Invited Papers, Minsk, 311.

## 1982

Dimitrijević, M.S.: 1982, in Phys. Ioniz. Gases, ed. G. Pföhler, Zagreb, 397.

- Istrefl, L.: 1982, XI SPIG, Dubrovnik, 293.
- Lakićević, L.: 1982, Doktorska disertacija, Beograd PMF.
- 1983
- Kobzev, G.A.: 1983, Ushirenje spektral'nykh linij polozhitel'nykh ionov azota i kisloroda, Preprint No I-101, IVTAN, Moskva.
- 1984
- Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, J.Phys.Chem.Ref. Data, 13, 649.
- 1985
- Hey, J.D.: 1985, The Role of Intermediate Coupling in the Stark Broadening of Isolated Ion Lines, South Afr.J.Phys., 8, 27.
85. Purić, J., Labat, J., Djenžić, S., Čirković, Lj.: 1975, Stark Broadening and Shift Parameters of Sodium and Potassium Resonant Lines, XII ICPIG, Eindhoven, 368.
- 1976
- Fabry, M., Thiell, G., Felden, N.: 1976, Theoretical Model and Experimental Investigation for a Liquid Cathode Arc, Phys.Lett. A, 56, 103.
- Fabry, M., Thiell, G., Georges, J.C.: 1976, Experimental Study of a Liquid Cathode Arc and Comparison with a Cathode Sheath Model, J.Appl.Phys., 47, 3897.
- Purić, J., Labat, J., Djenžić, S., Čirković, Lj., Lakićević, L.: 1976, Phys. Lett.A, 56, 83.
- 1984
- Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, J.Phys.Chem.Ref. Data, 13, 619.
86. Ruždjak, V.: 1975, Vodikov spektar kod granice jonizacije, Magistarski rad, Sveučilište u Zagrebu.
- 1978
- Škvorčij, Lj.: 1978, Magistarski rad, Sveučilište u Zagrebu.



Dimitrijević, M.S.: 1976, Analiza Šarkovog širanja spektralnih linija argona, Magistarski rad, Institut za fiziku, Beograd.

1976

Milošević, Z.: 1976, Diplomski rad, Beograd ETF.

1977

Kostić, B.: 1977, Diplomski rad, Beograd ETF.

Lačićević, L.S.: 1977, Magistarski rad, Beograd PMF.

1978

Dimitrijević, M.S.: 1978, Doktorska disertacija, Beograd PMF.

1980

Panić, K.: 1980, Diplomski rad, Beograd PMF.

88. Dimitrijević, M.: 1976, Threshold effects in Stark Broadening, VIII SPIG, Dubrovnik, 424.

89. Dimitrijević, M., Grujić, P.: 1976, On the Influence of the Polarisation Potential on Stark Broadening, VIII SPIG, Dubrovnik, 427.

1977

Dimitrijević, M.S., Grujić, P.: 1977, XIII ICPIG, Berlin, 131.

1982

Rathore, B.A.: 1982. Doctoral thesis, Beograd PMF.

90. Konjević, N.: 1976, Stark Broadening of Non-Hydrogenic Atoms and Ion Lines Plasma, III ICSLS (Invited Lecture, Unpublished), London.

1977

Hey, J.D.: 1977, On the Stark Broadening of Isolated Lines of F(II) and Cl(III) by Plasmas, JQSRT, 18, 649.

91. Konjević, N., Roberts, J.R.: 1976, A Critical Review of the Stark Widths and Shifts of Spectral Lines from Non-Hydrogenic Atoms, J.Phys.Chem.Ref. Data, 5, 209.

1975

Griem, H.R.: 1975, Stark Broadening, *Adv. Atom. Molec. Phys.*, **11**, 331.

1976

Dimitrijević, M.: 1976, VIII SPIG, Dubrovnik, 424.

Dimitrijević, M.S.: 1976, Magistarski rad, Beograd PMF.

Griem, H.R.: 1976, Stark Broadening in Thermal Plasmas, in *Phys. Ioniz. Gases*, ed. B. Navinšek, J. Štefan Inst., Ljubljana, 699.

Helbig, V., Kelleher, D.E., Wiese, W.L.: 1976, Stark Broadening Study of Neutral Nitrogen Lines, *Phys. Rev. A*, **14**, 1082.

Konjević, N., Wiese, W.L.: 1976, *J. Phys. Chem. Ref. Data*, **5**, 259.

Trefftz, E.: 1976, Collision Cross-Section and Line Broadening, in *Transactions of the Int. Astron. Union*, Vol. XVI A, Part 1: *Reports on Astronomy*, ed. G. Contopoulos, D. Reidel P.C., Dordrecht-Holland/Boston-USA.

1977

Freudenstein, S.A.: 1977, Stark Broadening in the Recombination Phase of a Z-Pinch Discharge, Ph.D. Thesis, University of Colorado.

Kelleher, D.E.: 1977, Stark Broadening of Neutral Helium Lines in a Plasma, Ph.D. Thesis, Inst. for Phys. Science and Technology, University of Maryland, College Park, Technical Note BN-865.

Lesage, A.: 1977, Etude de l'élargissement Stark de raies de l'atome de silicium ionisé, Thèse, Université de Paris-Sud, Centre d'Orsay.

Lesage, A., Sahal-Brechot, S., Miller, M.H.: 1977, Stark Broadening of Singly Ionized Silicon, *Phys. Rev. A*, **16**, 1617.

Nubbemeyer, H., Wende, B.: 1977, Experimental Stark Widths and Shifts of UV and VUV Carbon I Lines (Resonance Transitions  $2p3s^3P_{0,1,2}^o - 2p^2^3P_{0,1,2}$  and Transitions to Low-Lying Quantum States, *Phys. Rev. A*, **16**, 627.

**1978**

Bach-Truong: 1978, Etude de l'élargissement des raies de résonance de l'atome d'aluminium, Thèse, Université de Paris VII.

Bach-Truong: 1978, Stark Broadening of the Al Resonance Lines, JQSRT, 19, 483.

Barnes, R.M.: 1978, Emission-Spectroscopy, Analyt.Chem., R50, 100.

Bluebond, D.M., Marvin, S., Peiser, H.S.: 1978, NBS Special Foreign Currency Program in Yugoslavia 1973-1978, NBS Technical Note 986, U.S. Department of Commerce, Washington.

Dimitrijević, M.S.: 1978, Doktorska teza, Beograd PMF.

Dimitrijević, M., Konjević, N.: 1978, JQSRT, 20, 223.

Glasser, J., Viladros, R., Chapelle, J.: 1978, Diagnostic of Dense Plasmas by Infrared Schlieren and Absorption Techniques, J.Phys.D, 11, 1703.

Grim, G.: 1978, Ushirenje spektral'nykh liniy v plazme, Mir, Moskva.

Platiša, M., Popović, M., Konjević, N.: 1978, JQSRT, 20, 477.

**1979**

Bach-Truong, Drawin, H.W.: 1979, Influence of Boundary Layer of a Al-seeded Shock-heated Plasma on the Profiles of the Al I Resonance Lines, J.Phys., 40, C7-69.

Bach-Truong, Drawin, H.W.: 1979, Influence of the Boundary Layer of a Shock-heated Plasma on the Stark Profiles of the Al(I) Resonance Lines, JQSRT, 22, 389.

Bokova, N.A., Ivasenko, N.F., Mel'chenko, V.S., Pozdeev, V.V.: 1979, K voprosu o reabsorpcii linejchatogo izlucheniya plazmy, Izv.VUZ-ov, Tomsk, No 12, 19.

Burges, A., Sahal-Brechot, S.: 1979, Collision Cross-Sections and Line Broadening, In Fundamental Spectroscopic Data, Reports on Astronomy, Transactions of the IAU, Vol. XVII A, Part I, 43.

- Ferreira,N.P., Human,H.G.C., B. Jor,L.R.P.: 1979, Kinetic Temperatures and Electron Densities in the Plasma of a side View Grimm Type Glow Discharge, Spectrochem.Acta B, 35,795.
- Fishman,I.S., Semin,P.S., Desyatnik,G.A.: 1979, Eksperimental'noe opredelenie konstant ushireniya i sdviga spektral'nykh linii po ih samobrashchennym konturam, Opt.Spektrosk., 47, 441.
- Fraudenstein,S., Cooper,J.: 1979, Stark Broadening of Fe I 5383 A, Astron.Astrophys., 71, 283.
- Miller,M.H., Rolig,R.A., Bengston,R.D.: 1979, Experimental Transition Probabilities and Stark Broadening Parameters of Neutral and Singly Ionized Tin, Phys.Rev.A, 20, 499.
- Purić,J., Lakićević,I., Glavonić,V.: 1979, J.Phys., 40, C7-795.
- Rändigs,G., Kusch,H.J.: 1979, Electron Impact Broadening of Aluminium I-Lines, Astron.Astrophys., 71, 44.
- 1980**
- Breger,P.: 1980, Stark Broadening of Isolated Ion Lines by Plasmas, M.Sc. Thesis, Cape Town.
- Dimitrijević,M.: 1980, XI Int.School for Young Astronomers, Hvar, 22.
- Dimitrijević,M.S., Konjević,N.: 1980, JQSRT, 24, 451.
- Konjević,N., Dimitrijević,M.S.: 1980, V ICSLS, Berlin, 55.
- Lokner,V., Movre,M.: 1980, Fizika, 12, 61.
- Purić,J., Lakićević,I., Glavonić,V.: 1980, Phys.Lett.A, 76, 128.
- 1981**
- Cowan,R.: 1981, The Theory of Atomic Structure and Spectra, University of California Press, Berkeley, Los Angeles, London.
- Dimitrijević,M.S., Konjević,N.: 1981, JQSRT, 25, 387.
- Džimberg,V.: 1981, Diplomski rad, Sveučilište u Zagrebu.
- Ferreira,N.P., Human,H.G.C.: 1981, A Study of The Density of Sputtered Atoms in The Plasma of The Modified Grimm type Glow-Discharge Source, Spectrochim.Acta B, 36, 815.

Istrefl, L.: 1981, Doktorska disertacija, Priština.

Mazure, A.: 1981, Méthodes statistiques en astrophysique - L'effet Stark stochastique: La méthode du microchamp modèle (MMM), Ph.D. Thèse, Université de Paris.

Musielok, J.: 1981, Spektrallinienprofile des Neutralen Argons im nahen infraroten Spektralbereich, Beitr. Plasmaphys., 21, 179.

Syrkin, M.I.: 1981, Raschety ehlektronnogo ushireniya spektral'nykh liniy v teorii opticheskikh svojstv plazmy, Opt. Spektrosk., 51, 778.

## 1982

Cornelissen, H.J., Burgmans, A.L.J.: 1982, Electron Density Measurements in a Low Pressure Discharge Using Doppler-free Two-Photon Spectroscopy, Opt. Commun., 41, 187.

Dimitrijević, M.S. 1982, Astron. Astrophys., 112, 251.

Dimitrijević, M.S., Konjević, N.: 1982, ICPP, Göteborg, 343.

Geraud, A.: 1982, Utilisation d'un analyseur optique multicanaux pour l'étude du rayonnement émis par 2 types de plasmas, Thèse de 3e cycle, L'Université Pierre et Marie Curie, Paris.

Goldbach, C., Nollez, G., Plomdeur, P., Zimmermann, J.P.: 1982, Stark-Width Measurements of Singly-Ionized Magnesium Resonance Lines in a Wall-stabilized Arc, Phys. Rev. A, 25, 2596.

Goly, A., Weniger, S.: 1982, Experimental Stark Widths and Shifts of two Ultraviolet C(II) Lines, JQSRT, 27, 657.

Goly, A., Weniger, S.: 1982, Stark Widths and Transition Probabilities of some Multiplets of Singly Ionized Carbon, JQSRT, 28, 389.

Konjević, N.: 1982, XI SPIG, Dubrovnik, 212.

Konjević, N.: 1982, in Phys. Ioniz. Gases, ed. G. Pichler, Zagreb, 417.

Lakićević, I.: 1982, in Phys. Ioniz. Gases, ed. G. Pichler, Zagreb, 483

- Lakićević, I.S.: 1982, Doktorska disertacija, Beograd PMF.
- Miller, M.H., Lesage, A., Abadie, D.: 1982, Experimental Stark Widths of Xe II and Trends in the Broadening of Homologous Rare-Gas Ions, *Phys. Rev. A*, **25**, 2064.
- Rathore, B.A.: 1982, Doctoral Thesis, Beograd PMF.
- Vujnović, V.: 1982, Research in Laboratory Astrophysics in Yugoslavia, *Hvar. Obs. Bull.*, **6**, 179.
- Wiese, W.L., Konjević, N.: 1982, *JQSRT*, **28**, 185.
- 1983**
- Czernichowski, A., Chapelle, J.: 1983, Experimental Study of Stark Broadening of the Argon I 430.01 nm Line, *Acta Phys. Pol. A*, **63**, 67.
- Dimitrijević, M.S., Konjević, N.: 1983, *JQSRT*, **30**, 45.
- Dimitrijević, M.S., Sahal-Brechot, S.: 1983, in *Spectral Line Shapes II*, W. de Gruyter, Berlin-New York, 103.
- Fauchais, P., Boudrin, E., Condert, J.F., McPherson, P.: 1983, High Pressure Plasmas and their Application to Ceramics, *Topics in Current Chemistry*, **105**, 59.
- Goly, A., Rakotoarijmy, D., Weniger, S.: 1983, Experimental Stark Parameters for some Lines of Neutral Carbon, Oxygen and Sulfur, *JQSRT*, **30**, 417.
- Kobilarov, R.: 1983, Magistarski rad, Beograd PMF.
- Konjević, N., Dimitrijević, M.S.: 1983, in *Spectral Line Shapes II*, W. de Gruyter, Berlin, New York, 137.
- Lakićević, I.S.: 1983, *Astron. Astrophys.*, **127**, 37.
- Purić, J., Lakićević, I.S.: 1983, in *Spectral Line Shapes II*, W. de Gruyter, Berlin, New York, 161.
- Vujnović, V., Vadla, Č., Lookner, V., Dimitrijević, M.S.: 1983, *Astron. Astrophys.*, **123**, 249.

Weber,E.W.: 1983, High Resolution Spectroscopy of Discharge Plasmas, in Spectral Line Shapes II, W. de Gruyter, Berlin, New York, 355.

**1984**

Bessenrodtweberpols,M., Souw,E.K., Uhlenbusch,J., Kempkens,H.: 1984, Plasma Rotation and Particle Temperatures in a Hollow-Cathode Argon Discharge from Doppler Spectroscopic Measurements, Plasma Phys., 26, 409.

Cappelli,M.A., Measures,R.M.: 1984, 2 Channel Technique for Stark Measurements of Electron Density within a Laser produced Sodium Plasma, Appl.Optics, 23, 2107.

Dimitrijević,M.S., Sahal-Brechot,S.: 1984, JQSRT, 31, 301.

Gauthier,J.C., Geindre,J.P., Goldbach,C., Grandjouan,N., Mazure,A., Nollez,G.: 1984, Stark Broadening of He I Lines in a CO<sub>2</sub> Laser Produced Plasma, J.Phys.B, 14, 2099.

Kobilarov,Z., Manola,S., Konjević,N., Popović,M.V.: 1984, XII SPIG, Šibenik, 515.

Konjević,N., Dimitrijević,M.S., Wiese,W.L.: 1984, J.Phys.Chem. Ref. Data, 13, 619.

Konjević,N., Dimitrijević,M.S., Wiese,W.L.: 1984, J.Phys.Chem. Ref. Data, 13, 649.

Konjević,Z., Platšša,M., Konjević,N.: 1984, VII ICSSL, Aussois, A12.

Konjević,Z., Platšša,M., Konjević,N.: 1984, XII SPIG, Šibenik, 446.

Moreno,F., Alvarez,J.M., Amare, J.C., Bernabeu,E.: 1984, Stark Effect of Atomic Sodium Measured in a Hollow-Cathode Plasma by Doppler-free Spectroscopy, J.Appl.Phys., 56, 1939.

Vadla,Č., Lokner,V., Vujnović,V.: 1984, A Spectroscopic Analysis of an Argon-Fluorine Plasma in the Case of Two Emitting Layers with Application to the Absolute Transition Probabilities of Visible Fluorine Lines, *Fizika*, 16, 211.

Vujičić,B.T.: 1984, Doktorska disertacija, Beograd PMF.

1985

Dimitrijević,M.S., Sahal-Brechot,S.: 1985, *Phys. Rev.A*, 31, 316.

Konjević,N.: 1985, *Phys. Rev.A*, 32, 637.

Konjević, R., Platiša,M., Konjević,N.: 1985, in *Spectral Line Shapes III*, ed. F. Rostas, W. de Gruyter, Berlin, New York, 57.

Miller,M.H., Abadie,D., Lesage,A.: 1985, Experimental Phosphorus and Sulfur Stark Widths and Systematic Broadening Trends for Third-Row Ions, *Astrophys.J.*, 291, 219.

Purić,J., Čuk,M., Lakićević,I.S., 1985, *Phys. Rev.A*, 32, 1106.

Purić,J., Čuk,M., Lakićević,I.S.: 1985, XVII ICPIG, Budapest, 1030.

Uzelac,N.I.: 1985, Magistarski rad, Beograd ETF.

Vaessen,P.H.M., Vanengelen,J.M.L., Bleize,J.J.: 1985, Stark Width Measurements of Argon Lines with a Fabry Perrot Interferometer, 1985, *JQSRT*, 33, 51.

92. Konjević,N., Wiese,W.L.: 1976, Experimental Stark Widths and Shifts for Non-Hydrogenic Spectral Lines of Ionized Atoms (A Critical Review and Tabulation of Selected Data), *J.Phys.Chem.Ref.Data*, 5, 259.

1975

Griem,H.R.: 1975, Stark Broadening, *Adv.Atom.Molec.Phys.*, 11, 331.

1976

Dimitrijević,M.: 1976, VIII SPIG, Dubrovnik, 424.

Dimitrijević,M.S.: 1976, Magistarski rad, Beograd PMF.

Griem,H.R.: 1976, Stark Broadening in Thermal Plasmas, in *Phys. Ioniz.Gases*, ed. B.Navišek, J.Štefan.Inst., Ljubljana, 699.



Platiša, M., Dimitrijević, M., Popović, M.V., Konjević, N.: 1976, VIII SPIG, Dubrovnik, 409.

Treffitz, E.: 1976, Collision Cross-Section and Line Broadening, in Transaction of the Int. Astron. Union, Vol. XVI A, Part I: Reports on Astronomy, ed. G. Contopoulos, D. Reidel P.C., Dordrecht-Holland/Boston-USA.

#### 1977

Helbig, V., Lewandowski, B., Vukićević, D.: 1977, Interferometric Measurement of the Electron Density in an Arc Plasma, XIII ICPIG, Berlin, 173.

Hey, J.D.: 1977, On the Stark Broadening of Isolated Lines of F(II) and Cl(III) by Plasmas, 1977, JQSRT, 18, 649.

Lesage, A.: 1977, Etude de l'élargissement Stark de raies de l'atome de silicium ionisé, thèse, Université de Paris-Sud, Centre d'Orsay.

Nubbemeyer, H., Wende, B.: 1977, Experimental Stark Widths and Shifts of UV and VUV Carbon I Lines (Resonance Transitions  $2p3s^3P_{0,1,2}^0 - 2p^2^3P_{0,1,2}$  and Transitions to Low-lying Quantum States, Phys. Rev. A, 16, 627.

Platiša, M., Dimitrijević, M., Popović, M., Konjević, N.: 1977, Astron. Astrophys., 54, 837.

Platiša, M., Dimitrijević, M., Popović, M., Konjević, N.: 1977, J. Phys. B, 10, 2997.

Platiša, M., Konjević, N.: 1977, XIII ICPIG, Berlin, 121.

#### 1978

Barnes, R.M.: 1978, Emission-Spectroscopy, Analyt. Chem., 50, 100.

Batenin, V.M., Burmakin, V.A., Vokhmin, P.A., Klimovskij, L.I., Lesnoj, M.A., Selezneva, L.A.: 1978, Temperatura gaza v lazera na parakh medi, Teplofizika vysokikh temperatur, 16, 1147.

- Bluebond,D.M., Marvin,R.S., Peiser,H.S.: 1978, NBS Special Foreign Currency Program In Yugoslavia 1973-1978, NBS Technical Note 986, U.S. Department of Commerce, Washington.
- Chiang,W.T., Griem,H.R.: 1978, Measurements of the Stark-Broadening of Ionized Silicon Lines from a Plasma, *Phys. Rev.A*, **18**, 1169.
- Devonshire,R.: 1978, Spectroscopic and theoretical aspects, In *Photochemistry*, ed. Smith,D.B., Chem.Soc.London, **9**, 3.
- Dimitrijević,M.S., Konjević,N.: 1978, *JQSRT*, **20**, 223.
- Fleurier,C.: 1978, Etude du profil Stark d'un certain nombre de raies d'interêt astrophysique: - raies ioniques de Mg II, Ca II, Sr II, Ba II, Al II: - Raie 4471 Å de He I ( Influence de la masse des ions perturbateurs), Thèse, Université d'Orleans.
- Grím,G.: 1978, Ushirenje spektral'nykh linij v plazme, Mir, Moskva.
- Hey,J.D.: 1978, On the Variation of Spectral Line Widths within Stark-broadened Multiplets, *JQSRT*, **20**, 403.
- Hey,J.D., Blaha,M.: 1978, Stark Broadening of Nitrogen Ion Lines from States of High Orbital Angular Momentum, *JQSRT*, **20**, 557.
- Platiša,M., Dimitrijević,M.S., Konjević,N.: 1978, *Astron.Astrophys.*, **67**, 103.
- Platiša,M., Popović,M., Dimitrijević,M., Konjević,N.: 1978, IX SPIG, Dubrovnik, 245.
- Platiša,M., Popović,M., Konjević,N.: 1978, *JQSRT*, **20**, 477.
- 1979**
- Bach Truong, Drawin,H.W.: 1979, Influence of Boundary Layer of a Al-seeded Shock-heated Plasma on the Profiles of the Al I Resonance Lines, *J.Phys.*, **40**, C7-69 (Proc. XIV ICPIG, Grenoble, 1979).

- Bach Truong, Drawin, H.W.: 1979, Influence of the Boundary Layer of a Shock-heated Plasma on the Stark Profiles of the Al(I) Resonance Lines, JQSRT, 22, 389.
- Bokova, N.A., Ivasenko, N.F., Mel'chenko, V.S., Pozdeev, V.V.: 1979, K voprosu o reabsorpcii linejchatogo izlucheniya plazmy: Izv. VUZ-ov, Tomsk, No 12, 19.
- Burges, A., Sahal-Brechot, S.: 1979, Collision Cross-Sections and Line Broadening, In Fundamental Spectroscopic Data, Reports on Astronomy, Transactions IAU, XVII A, part 1, 43.
- Dimitrijević, M.S.: 1979, III Nat. Conf. Yug. Astr., Belgrade, 1977, Publ. Obs. Astr. Belgrade, 26, 138.
- Ferreira, N.P., Human, H.G.C., Butler, L.P.: 1979, Kinetic Temperatures and Electron Densities in the Plasma of a Side View Grimm Type Glow Discharge, Spectrochim. Acta B, 35, 795.
- Jaegle, P., Carillon, A., Jamelot, G., Wehenkel, S.: 1979, Space dependent Shift of Spectral Lines in Laser Produced Plasmas, J. Phys. Lett., 40, L551.
- Källne, E., Jones, L.A., Barnard, A.J.: 1979, Experimental Study of Stark Broadening of Nitrogen Ion Lines in a Theta Pinch Plasma, JQSRT, 22, 589.
- Miller, M.H., Bengston, R.D., Lindsay, J.M.: 1979, Transition Probabilities and Stark-Broadening Parameters of Neutral and Singly Ionized Lead, Phys. Rev. A, 20, 1997.
- Miller, M.H., Roig, R.A., Bengston, R.D.: 1979, Experimental Transition Probabilities and Stark Broadening Parameters of Neutral and Singly Ionized Tin, Phys. Rev. A, 20, 499.
- Romanov, G.S., Stepanov, K.I., Syrkin, M.L.: 1979, Spektral'nye i srednie koefitsienty pogloshcheniya uglarodnoj plazmy, Opt. Spektrosk., 47, 860.

### 1980

- Brager,P.: 1980, Stark Broadening of Isolated Ion Lines by Plasmas, M.Sc.Thesis, Cape Town.
- Dimitrijević,M.S.: 1980, XI Int.School for Young Astronomers, Hvar, 22.
- Dimitrijević,M.S., Konjević,N.: 1980, V ESCAMPIG, Dubrovnik, 88.
- Dimitrijević,M.S., Konjević,N.: 1980, JQSRT, 24, 451.
- Hey,J.D., Breger,P.: 1980, Stark Broadening of Isolated Ion Lines by Plasmas: Application of the Theory, V ICSSL, Berlin, 58.
- Hey,J.D., Breger,P.: 1980, Stark Broadening of Isolated Lines emitted by Singly-Ionized Tin, JQSRT, 23, 311.
- Hey,J.D., Breger,P.: 1980, Calculated Stark Widths of Oxygen Ion Lines, JQSRT, 24, 349.
- Konjević,N., Dimitrijević,M.S.: 1980, V ICSSL, Berlin, 55.
- Miller,M.H., Bengston,R.D.: 1980, Experimental transition probabilities and Stark Broadening for singly ionized bismuth, JQSRT, 23, 411.
- Miller,M.H., Lesage,A., Purić,J.: 1980, Astrophys.J., 239, 410.
- Purić,J., Labat,O., Lakićević,I.: 1980, V ICSSL, Berlin, 59.

### 1981

- Cowan,R.D.: 1981, The Theory of Atomic Structure and Spectra, University of California Press, Berkeley, Los Angeles, London.
- Dimitrijević,M.S., Konjević,N.: 1981, JQSRT, 25, 387.
- Hey,J.D., Breger,P.: 1981, Stark Broadening of Isolated Ion Lines by Plasmas: Theory, in Spectral Line Shapes, ed. B.Wende, W. de Gruyter, Berlin, New York, 191.
- Istrefi,L.: 1981, Doktorska disertacija, Priština.

Purić, J., Labat, O., Lakićević, I.: 1981, In *Spectral Line Shapes*, ed. B. Wende, W. de Gruyter, Berlin, New York, 249.

Syrkin, M. I.: Rascheti elektronogo ushireniya spektral'nyh linij v teorii opticheskikh svojstv plazmy, *Opt. Spektrosk.*, 51, 778.

**1982**

Baschek, P., Kudritzki, R. P., Scholz, M., Simon, K. P.: 1982, *Spectral Analysis of the OB Subdwarf HD 149382*, *Astron. Astrophys.*, 108, 387.

Čelebonović, V.: 1982, *Diplomski rad*, Beograd PMF.

Dimitrijević, M. S.: 1982, *Astron. Astrophys.*, 112, 251.

Dimitrijević, M. S., Konjević, N.: 1982, *JQSRT*, 27, 203.

Gauthier, J. C., Geindre, J. P., Goldbach, C., Grandjouan, N., Mazure, A., Nollez, G.: 1982, *Stark Broadening of He I Lines in a CO<sub>2</sub> Laser produced Plasma*, *J. Phys. B*, 14, 2099.

Geraud, A.: 1982, *Utilisation d'un analyseur optique multicanaux pour l'étude du rayonnement émis par 2 types de plasmas*, Thèse de 3e cycle, l'Université Pierre et Marie Curie, Paris.

Goldbach, C., Nollez, G., Plomdeur, P., Zimmermann, J. P.: 1982, *Stark-Width Measurements of Neutral and Singly Ionized Magnesium Resonance Lines in a Wall-stabilized Arc*, *Phys. Rev. A*, 25, 2596.

Goly, A., Weniger, S.: 1982, *Stark Widths and Transition Probabilities of some Multiplets of Singly Ionized Carbon*, *JQSRT*, 28, 389.

Hey, J. D., Breger, P.: 1982, *A Classical Path Calculation of Stark Broadening of Isolated Ion Lines by Plasmas*, *South African J. Phys.*, 5, 111.

Istrefi, L.: 1982, XI SPIG, Dubrovnik, 295.

Konjević, N.: 1982, XI SPIG, Dubrovnik, 212.

Konjević,N.: 1982, In Phys.Ioniz.Gases, ed. G.Pichler, Zagreb, 417.

Miller,M.H., Lesage,A., Abadie,D.: 1982, Experimental Stark Widths of Xe II and Trends In the Broadening of Homologous Rare-Gas Ions, Phys. Rev.A, 25, 2064.

Wiese,W.L., Konjević,N.: 1982, JQS RT, 28, 185.

### 1983

Dimitrijević,M.S., Konjević,N.: 1983, JQS RT, 30, 45.

Kobilarov, Z.: 1983, Magistarski rad, Beograd PMF.

Konjević,N., Dimitrijević,M.S.: 1983, In Spectral Line Shapes II, W. de Gruyter, Berlin,New York, 137.

Lesage,A., Rathore,B.A., Lakićević,I.S., Purić,J.: 1983, Phys. Rev.A, 28, 2264.

Richou,J., Manola,S., Lesage,A., Abadie,D., Miller,M.H.: 1983, XVI ICPIG, Düsseldorf, 632.

### 1984

Cowan,R.D.: 1984, The Theory of Atomic Structure and Spectra, University of California Press, Berkeley, Los Angeles, London.

Kobilarov, Z., Manola,S., Konjević,N., Popović,M.V.: 1984, XII SPIG, Šibenik,515.

Konjević,N., Dimitrijević,M.S., Wiese,W.L.: 1984, J.Phys.Chem. Ref. Data, 13, 619.

Konjević,N., Dimitrijević,M.S., Wiese,W.L.: 1984, J.Phys.Chem. Ref. Data, 13, 619.

Miller,M.H., Abadie,D., Lesage,A.: 1984, Experimental Stark Widths for P II, S II, Cl II and Systematic Broadening Trends along Periodic Row, VII ICSLS, Aussols, A5.

Nick,K.P., Helbig,V.: 1984, Regularities In Rare Gas Ion Line Broadening, VII ICSLS, Aussols, A6.

Purcell,S.T., Barnard,A.J.: 1984, Stark broadening measurements of some N(II) and N(III) lines, JQSRT, 32, 205.

Richou,J., Manola,S., Lebrun,J.L., Lesage,A.: 1984, Phys.Rev.A, 29, 3181.

#### 1985

Fleurier,C., Maulat,C., Bernard,G., Barrault,M.R.: 1985, A spectroscopic study of a magnetically driven rotation SF<sub>6</sub> arc, XVII ICPIG, Budapest, 777.

Hey,J.D.: 1985, The role of Intermediate coupling in the Stark broadening of isolated ion lines, South Afr.J.Phys., 8, 27.

Miller,M.H., Abadie,D., Lesage,A.: 1985, Experimental Phosphorus and Sulfur Stark Widths and Systematic Broadening Trends for Third-row Ions, Astrophys.J., 291, 219.

Miller,M.H., Abadie,D., Lesage,A.: 1985, Experimental Stark Widths for Phosphorus and Sulfur and Systematic Trends for Third-row Ion Line Broadening, In Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 45.

Purić,J., Čuk,M., Lakićević,L.S.: 1985, XVII ICPIG, Budapest, 1030.

Uzelac,N.L.: 1985, Magistarski rad, Beograd ETF.

Vaessen,P.H.M., Vanengelen,J.M.L., Bleize,J.J.: 1985, Stark width measurements of argon lines with a Fabry Perrot Interferometer, JQSRT, 33, 51.

Marić,Z., Moles,M., Vigier,J.P.: 1975, Possible Measurable Consequences of a New Anomalous Redshift Cause on the Shape of Symmetrical Spectral Lines, Astron.Astrophys., 53, 191.

#### 1976

Jaakkola,T., Karoff,K., Le Denmat,G., Moles,M., Nottale,L., Vigier,J.P., Pecker,J.C.: 1976, Additional evidence and possible interpretation of angular red shift anisotropy, MNRAS, 177, 191.

1977

Teerikorpi,P., Jaakkoia,T.: 1977, Note on the supergalactic redshift anisotropy, *Astron.Astrophys.*, **59**, 33.

1979

Grujić,P.: 1979, Kvantna teorija svetlosti, *Dijalektika*, **1-2**, 121.

Mikaelian,K.O.: 1979, Le rôle de nouveaux bosons pseudoscalaires en astrophysique, *CRH Acad.Sci.B*, **288**, 93.

Schatzman,E.: 1979, Broadening of spectral lines by interaction of photons with a new field, *Astron.Astrophys.*, **74**, 12.

94. Milošević,Z.: 1976, Štarkovo širenje spektralnih linija jonizovanog fluora i hlora, Diplomski rad, Beograd ETF.
95. Movre,M., Pichler,G.: 1976, Long-range Adiabatic Interaction Potentials and Oscillator Strengths for the Alkali Dimers, VIII SPIG, Dubrovnik, 447.
96. Movre,M., Pichler,G.: 1976, Resonance Interaction and the Self-broadening of Alkali Resonance lines, EGAS, Oxford.
97. Movre,M., Pichler,G.: 1976, Resonance Interaction between Alkali Atoms, ESCAMPIG, Bratislava, 88.
98. Pavlov,M., Radujkov,V.: 1976, Boundary Layer Influence on H Line Shape, Zbornik radova PMF u Novom Sadu, **6**, 95.
99. Pichler,G., Movre,M.: 1976, Self-broadening of cesium principal series lines, VIII SPIG, Dubrovnik, 318.

1984

Kolar,I.: 1984, Magistarski rad, Zagreb Sveučilište.

100. Pichler,G., Movre,M.: 1976, Resonance Interaction and Quasistatic Wings of Alkali Resonance Lines, III ICSLS, London, 25.
101. Platíša,M., Dimitrijević,M., Popović,M.V., Konjević,N.: 1976, Stark broadening of F II lines, VIII SPIG, Dubrovnik, 409.



102. Platiša, M., Dimitrijević, M., Popović, M.V., Konjević, N.: 1976, Stark broadening of doubly ionized chlorine lines, III ICSSL, London, 75.

103. Purić, J., Djeniže, S., Labat, J., Ćirković, L.J., Lakićević, I.: 1976, Stark broadening and shift of Si II lines, VIII SPIG Dubrovnik, 405.

**1978**

Chiang, W.T., Griem, H.R.: 1978, Measurements of the Stark-broadening of ionized silicon lines from a plasma, Phys. Rev. A, 18, 1169.

**1983**

Lesage, A., Rathore, B.A., Lakićević, I.S., Purić, J.: 1983, Phys. Rev. A, 28, 2264.

Purić, J., Lesage, A., Lakićević, I.S.: 1983, In Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 175.

104. Purić, J., Labat, J., Ćirković, L.J.: 1976, Regularities in Stark broadening parameters of spectral lines of homologous alkaline metals, VIII SPIG, Dubrovnik, 420.

**1977**

Lakićević, I.S.: 1977, Magistarski rad, Beograd PMF.

Lakićević, I., Purić, J., Labat, J.: 1977, XIII ICPIG, Berlin, 123.

**1979**

Glavonjić, V.Dj.: 1979, Magistarski rad, Beograd PMF.

**1981**

Konjević, N., Dimitrijević, M.S.: 1981, In Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 241.

Purić, J.: 1981, XV ICPIG, Invited papers, Minsk, 311.

**1982**

Lakićević, I.S.: 1982, Doktorska disertacija, Beograd PMF.

05. Purić, J., Labat, J., Ćirković, L.J.: 1976, Regularities in Stark Broadening and Shift parameters of Spectral Lines of Homologous Alkaline Metals, III ICSSL, London, 20.

106. Purić, J., Labat, J., Djeniže, S., Ćirković, L.J., Lakićević, I.: 1976, Experimental Measurements of Stark Shifts and Widths of Na I and KI Resonance Lines, *Phys.Lett.A*, **56**, 83.

**1976**

Griem, H.R.: 1976, Stark broadening in thermal plasmas, in *The Physics of Ionized Gases*, ed. B.Navišek, J.Stefan Institute, Ljubljana, 699.

Purić, J., Labat, J., Ćirković, L.J.: 1976, VIII SPIG, Dubrovnik, 420.

**1977**

Baur, J.F., Cooper, J.: 1977, A Shock Tube Study of Line Broadening In a Temperature Range of 6100 to 8300 K, *JQSRT*, **17**, 311.

Lakićević, I.S.: 1977, Magistarski rad, Beograd PMF.

Purić, J., Labat, J., Ćirković, L.J., Lakićević, I., Djeniže, S.: 1977, *J.Phys. B*, **10**, 2375.

**1978**

Mazure, A., Nollez, G.: 1978, Application of the Model Microfield Method to Stark Profiles of Alkali Metal Resonance Lines, *Z.Naturforsch.*, **33a**, 1575.

**1979**

Lakićević, I.S., Purić, J.M., Dimitrijević, M.S.: 1979, *Publ.Obs.Astron. Belgrade*, **26**, 144.

**1982**

Lakićević, I.S.: 1982, Doktorska disertacija, Beograd PMF.

**1984**

Hohimer, J.P.: 1984, Potassium-seeded wall-stabilized arc source for Stark broadening studies, *Rev.Sci.Instruments*, **55**, 1410.

Hohimer, J.P.: 1984, Stark broadening of potassium ns-4p and nd-4p lines in a wall-stabilized arc, *Phys.Rev.A*, **30**, 1449.

Korjenskij, N., Dimitrijević, M.S., Wiese, W.L.: 1984, *J.Phys.Chem. Ref.Data*, **13**, 319.

**1985**

Dimitrijević, M.S., Sahal-Brechot, S.: 1985, XVII ICPIG, Budapest, 978.

Dimitrijević, M.S., Sahal-Brechot, S.: 1985, JQS RT, 34, 149.

7. Purić, J., Lakićević, I., Djeniže, S., Labat, J., Ćirković, Lj.: 1976, Comparison of Stark broadening and shift parameters of F I lines obtained from different plasma sources, III ICSLS, London, 21.

Wiese, W.L., Konjević, N.: 1976, Regularities in the Stark widths of isolated lines, VIII SPIG, Dubrovnik, 416.

**1977**

Lakićević, I.S.: 1977, Magistarski rad, Beograd PMF.

**1978**

Mazure, A., Nollez, G.: 1978, Application of the Model Microfield Method to Stark Profiles of Alkali Metal Resonance Lines, Z.Naturforsch. 33a, 1575.

Wiese, W.L., Konjević, N.: 1978, IX SPIG, Dubrovnik, 257.

**1979**

Glavonić, V.Dj.: 1979, Magistarski rad, Beograd PMF.

**1981**

Dimitrijević, M.S.: 1981, ECAP, Heidelberg, 529.

Konjević, N., Dimitrijević, M.S.: 1981, In Spectral Line Shapes, ed. B.Wende, W.de Gruyter, Berlin, New York, 241.

Purić, J.: 1981, XIV ICPIG, Invited papers, Minsk, 311.

**1982**

Dimitrijević, M.S.: 1982, In Phys.Ioniz.Gases, ed.G.Pichler, Zagreb, 397.

Konjević, N., Kobilarov, R.: 1982, XI SPIG, Dubrovnik, 285.

Lakićević, I.S.: 1982, Doktorska disertacija, Beograd PMF.

Miller, M.H., Lesage, A., Abadie, D.: 1982, Experimental Stark widths of Xe II and trends in the broadening of homologous rare-gas ions, Phys. Rev.A, 25, 2064.

Rathore, B.A.: 1982, Doctoral Thesis, Beograd PMF.

Wiese, W.L., Konjević, N.: 1982, JQS RT, 20, 185.

1983

Kobilarov, Z.: 1983, Magistarski rad, Beograd PMF.

1984

Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, J.Phys.Chem. Ref.Data, 13, 649.

109. Wiese, W.L., Konjević, N.: 1976, Regularities in the Stark widths of isolated lines, III ICSLS, London, 17.

1980

Konjević, N., Dimitrijević, M.S.: 1980, V ICSLS, Berlin, 55.

1977

110. Dimitrijević, M.S., Grujić, P.: 1977, Curvilinear Trajectories and Stark Broadening of Hydrogen Lines, XIII ICPIG, Berlin, 131.

1978

Dimitrijević, M.S.: 1978, Doktorska teza, Beograd PMF.

111. Klucharev, A.N., Lazarenko, A.V., Pichler, G., Movre, M.: 1977, Emission Measurements in the Wing of the Self-Broadened Cs Resonance Lines, Phys. Lett. A, 61, 104.

1978

Klyucharev, A.N., Lazarenko, A.V., Movre, M.: 1978, Opt.Spektrosk., 45, 1033.

1980

Movre, M., Pichler, G.: 1980, J.Phys.B, 13, 697.

1984

Kolar, I.: 1984, Istraživanje visokotlačnih K-, Rb-halogenih izvora svjetlosti, Magistarski rad, Sveučilište u Zagrebu.

112. Kostić, B.: 1977, Izračunavanje Štarkovih poluširina spektralnih linija višestruko jonizovanih atoma, Diplomski rad, Beograd ETF.

113. Lakićević, I.S.: 1977, Naše regularnosti Stark-ovih parametara širenja i pomeranja rezonantnih spektralnih linija alkalnih metala u plazmi, Magistarski rad, Beograd PMF.

**1982**

Lakićević, I.S.: 1982, Doktorska disertacija, Beograd PMF.

114. Lakićević, I., Purić, J., Labat, J.: 1978, Stark Parameters of Rubidium Resonance Lines, XIII ICPIG, Berlin, 123.

**1978**

Purić, J., Dimitrijević, M.S., Lakićević, I.S.: 1978, Phys.Lett.A, **67**, 189.

**1982**

Kobilarov, R.: 1982, Magistarski rad, Beograd PMF.

Wiese, W.L., Konjević, N.: 1982, JQSRT, **28**, 185.

**1984**

Konjević, N., Dimitrijević, M.S., Wiese, W.L.: J.Phys.Chem. Ref.Data, **13**, 619.

115. Movre, M., Pichler, G.: 1977, Resonance Interaction and Self-Broadening of Alkali Resonance Lines I. Adiabatic Potential Curves, J.Phys.B, **10**, 2631.

**1977**

Klucharev, A.N., Lazarenko, A.V., Pichler, G., Movre, M.: 1977, Phys.Lett.A, **61**, 104.

**1978**

Kusch, P., Hessel, M.M.: 1978, Analysis of  $B^1\Pi_{gA} - X^1\Sigma_g^+$  Band System of  $Na_2$ , J.Chem.Phys., **68**, 2591.

Movre, M., Pichler, G.: 1978, IV ICSSL, Windsor (Canada), 12.

Wiese, W.L., Pichler, G., Movre, M.: 1978, IX SPIA, Bonn, 249.

**1979**

Krauliňy, E.K., Papernov, S.M., Janson, M.L.: 1979, He-Ne 632 nm radiation induced desintegration of cesium dimer, *Chem.Phys.Lett.*, **63**, 531.

Niemax, K., Movre, M., Pichler, G.: 1979, *J.Phys.B*, **12**, 3503.

Rothe, E.W., Krause, U., Düren, R.: 1979, Photodissociation of Na<sub>2</sub> and Rb<sub>2</sub>, *B.Am.Phys.Soc.*, **24**, 1202.

Stwalley, W.C., Yang, Y.H., Pichler, G.: 1978, Pure long-range molecules, *Phys.Rev.Lett.*, **41**, 1164.

#### 1980

Kowalczyk, P.: 1980, Radiative Collisions of Sodium Atoms - Asymptotic Calculation, *Chem.Phys.Lett.*, **74**, 30.

Movre, M., Pichler, G.: 1980, *J.Phys.B*, **13**, 697.

Movre, M., Veža, D., Pichler, G., Niemax, K.: 1980, V ICSSL, Berlin, 150.

Pichler, G.: 1980, XI Int.School for Young Astronomers, Hvar, 24.

Pichler, G.: 1980, in *Quantum Optics*, Gdansk.

Veža, D., Pichler, G.: 1980, V ICSSL, Berlin, 48.

Veža, D., Movre, M., Pichler, G.: 1980, *J.Phys.B*, **13**, 3605.

Veža, D., Rukavina, J., Movre, M., Vujnović, V., Pichler, G.: 1980, *Opt.Commun.*, **34**, 77.

#### 1981

Movre, M., Veža, D., Pichler, G., Niemax, K.: 1981, in *Spectral Line Shapes*, ed. B.Wende, W.de Gruyter, Berlin, New York, 852.

Pichler, G.: in *Spectral Line Shapes*, ed. B.Wende, W.de Gruyter, Berlin, New York, 827.

Veža, D., Pichler, G.: 1981, in *Spectral Line Shapes*, ed. B.Wende, W.de Gruyter, Berlin, New York, 845.

#### 1982

Beuc, R., Milošević, S., Movre, M., Pichler, G., Veža, D.: 1982, *Fizika*, **14**, 345.

Raab, M., Horing, G., Demtrode, W., Vidal, C.: 1982, High Resolution Laser Spectroscopy of  $\text{CS}_2$  2 Doppler-free Polarization Spectroscopy of the  $\text{C}^1\Pi_u - \text{X}^1\Sigma_g^+$  System, *J.Chem.Phys.*, **76**, 4370.

Veža, D.: 1982, Interakcija atoma litija i natrija u atomskoj pari, Magistarski rad, Zagreb Sveučilište.

### 1983

Huennekens, J., Gallagher, A.: 1983, Resonance Broadening of the Sodium D Lines, in *Spectral Line Shapes II*, ed. K. Burnett, W. de Gruyter, Berlin, New York, 665.

Huennekens, J., Gallagher, A.: 1983, Self broadening of the sodium resonance lines and excitation transfer between the  $3p_{3/2}$  and  $3p_{1/2}$  levels, *Phys. Rev. A*, **27**, 1851.

Lewis, E. L.: 1983, Long range interaction potentials and line broadening, in *Spectral Line Shapes II*, ed. K. Burnett, W. de Gruyter, Berlin, New York, 429.

### 1984

Kolar, I.: 1984, Istraživanja visokotlačnih K-, Rb- halogenih izvora svjetlosti, Magistarski rad, Zagreb Sveučilište.

Milošević, S.: 1984, Magistarski rad, Zagreb Sveučilište.

Milošević, S., Pichler, G.: 1984, VII ICSLS, Aussois, F8.

Struve, W. S., Singer, S. J., Freed, K. F.: 1984, Photodissociation of homonuclear diatomics. Fine structure cross sections for  $\text{Na}_2(\text{X}^1\Sigma_g^+) - \text{Na}(^2S_{1/2}) + \text{Na}(^2P_{1/2,3/2})$ , *Chem. Phys. Lett.*, **110**, 588.

### 1985

Amlot, C., Verges, J.: 1985, The  $(1)^3\Sigma_g^+$  Electronic State of  $\text{Cs}_2$ , *Chem. Phys. Lett.*, **116**, 273.

Balz, J. G., Bernheim, R. A., Chen, W. J., Gold, L. P.: 1985, Atomic fine structure state selectivity for the collision induced photodissociation of the  $\text{B}^1\Pi_u$  state of  $\text{Li}_2$ , *Chem. Phys. Lett.*, **116**, 273.

- Reiser, A.P., Waymer, E.F.: 1985, Use of the peak shifts of the 3s-3p sodium resonance lines for the analysis of high-pressure sodium lamps, *J.Appl.Phys.*, **57**, 1623.
- Milošević, S., Pichler, G.: 1985, In *Spectral Line Shapes III*, ed. F. Rostas, W.de Gruyter, Berlin, New York, 661.
- Morre, M., Pichler, G.: 1985, *Phys. Rev.A*, **31**, 2957.
- Kantor, P.Ya., Mohov, A.V., Penkin, N.P., Shabanova, L.N.: 1985, Rezonansnoe ushirenie linij 794.7 i 780.0 nm Rb I, *Opt.Spectrosc.*, **58**, 1212.
- Veža, D.: 1985, Doktorska disertacija, Zagreb Sveučilište.
116. Platiša, M., Dimitrijević, M., Popović, M., Konjević, N.: 1977, Stark Broadening of F II and Cl III Lines, *Astron.Astrophys.*, **54**, 837.
- 1976
- Dimitrijević, M.S.: 1976, Magistarski rad, Beograd PMF.
- 1977
- Hey, J.D.: 1977, Estimates of Stark Broadening of some A III and A IV Lines, *JQS RT*, **17**, 729.
- Hey, J.D.: 1977, On the Stark Broadening of Isolated Lines of F(II) and Cl(III) by Plasmas, *JQS RT*, **18**, 649.
- Platiša, M., Dimitrijević, M., Popović, M., Konjević, N.: 1977, *J.Phys.B*, **10**, 2997.
- Platiša, M., Konjević, N.: 1977, XIII ICPIG, Berlin, 121.
- 1978
- Bluebond, D.M., Marvin, R.S., Peiser, H.S.: 1978, NBS Special Foreign Currency Program in Yugoslavia 1973-1978, NBS Technical Note 986, U.S.Department of Commerce, Washington, 1978.
- Dimitrijević, M., Konjević, N.: 1978, *JQS RT*, **20**, 223.
- Hey, J.D.: 1978, On the Variation of Spectral Line Widths within Stark-Broadened Multiplets, *JQS RT*, **20**, 407.



Platiša, M., Popović, M.V., Dimitrijević, M., Konjević, N.: 1978, IX SPIG, Dubrovnik, 245.

#### 1979

Burges, A., Sahal-Brechot, S.: 1979, Collision cross-sections and line broadening, Fundamental spectroscopic data, in Reports on Astronomy, Transactions of the IAU, Vol. XVII A, part 1, 43.

Dimitrijević, M.S.: 1979, Publ.Obs.Astron.Belgrade, 26, 138.

Dimitrijević, M., Konjević, N.: 1979, J.Phys., 40, C7-815.

Platiša, M., Popović, M., Dimitrijević, M., Konjević, N.: 1979, JQSRT, 22, 333.

#### 1980

Breger, P.: 1980, Stark Broadening of Isolated Ion Lines by Plasmas, M.Sc. Thesis, Cape Town.

Dimitrijević, M.S., Konjević, N.: 1980, JQSRT, 24, 451.

Hey, J.D., Breger, P.: 1980, Stark Broadening of Isolated Lines Emitted by Singly-Ionized Tin, JQSRT, 23, 311.

#### 1981

Dimitrijević, M.S., Konjević, N.: 1981, In Spectral Line Shapes, ed.B.Wende, W.de Gruyter, Berlin, New York, 211.

Hey, J.D., Breger, P.: 1981, Stark Broadening of Isolated Ion Lines by Plasmas: Application of Theory, in Spectral Line Shapes, ed.B.Wende W.de Gruyter, Berlin, New York, 201.

Istrefi, L.: 1981, Doktorska disertacija, Priština.

#### 1982

Čelebonović, V.: 1982, Diplomski rad, Beograd PMF.

Dimitrijević, M.S., Konjević, N.: 1982, JQSRT, 27, 203.

Wiese, W.L., Konjević, N.: 1982, JQSRT, 28, 185.

#### 1983

Kobilarov, R.: 1983, Magistarski rad, Beograd PMF.

#### 1984

Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, J.Phys.Chem. Ref.Data, 13, 649.

17. Platiša, M., Dimitrijević, M., Popović, M., Konjević, N.: 1977, Stark Broadening of Si III and Si IV Lines, *J. Phys. B*, **10**, 2997.

**1978**

Dimitrijević, M.S.: 1978, Doktorska teza, Beograd PMF.

Hey, J.D.: 1978, On the variation of spectral line width within Stark-broadened multiplets, *JQS RT*, **20**, 403.

Platiša, M., Dimitrijević, M.S., Konjević, N.: 1978, *Astron. Astrophys.*, **67**, 103.

Platiša, M., Popović, M.V., Dimitrijević, M., Konjević, N.: 1978, IX SPIG, Dubrovnik, 245.

**1979**

Burges, A., Sahal-Brechot, S.: 1979, Collision Cross-Sections and Line Broadening, Fundamental Spectroscopic Data, In Reports on Astronomy, Transaction of the IAU, Vol XVII A, Part I, 43.

Dimitrijević, M.S.: 1979, *Publ. Obs. Astron. Belgrade*, **26**, 138.

Dimitrijević, M., Konjević, N.: 1979, XIV ICPIG, *J. Phys.* **40**, C7-815.

Platiša, M., Popović, M., Dimitrijević, M., Konjević, N.: 1979, *JQS RT*, **22**, 333.

**1980**

Dimitrijević, M.S., Konjević, N.: 1980, *JQS RT*, **24**, 451.

Hey, J.D., Breger, P.: 1980, Stark Broadening of Isolated Lines emitted by Singly-Ionized Tin, *JQS RT*, **23**, 311.

**1981**

Dimitrijević, M.S., Konjević, N.: 1981, In Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 211.

Dimitrijević, M.S., Grubor, D.P., Konjević, N.: 1981, II Colloque sur l'Influence des processus collisionnels sur le profil des raies spectrales, Orleans, P9.

Istrefi, L.: 1981, Doktorska disertacija, Priština.

Syrkin, M.I.: 1981, Raschety ehlektronnogo ushireniya spektral'nykh linij v teorii opticheskikh svojstv plazmy, *Opt. Spektrosk.*, **51**, 778.

1982

Rathore, B.A.: 1982, Doctoral Thesis, Beograd PMF.

1983

Dimitrijević, M.S.: 1983, *Astron. Astrophys.*, **127**, 68.

1984

Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, *J. Phys. Chem. Ref. Data*, **13**, 649.

118. Plaz, M., Konjević, N.: 1977, Stark Broadening of Ne II Lines, XIII ICPIG, Berlin, 12..

119. Purić, J., Labat, J., Ćirković, Lj., Lakićević, I., Djeniže, S.: 1977, Stark Broadening and Shift of Alkali-Metal Resonance Spectral Lines, *J. Phys. B*, **10**, 2375.

1977

Lakićević, I.S.: 1977, Magistarski rad, Beograd PMF.

1978

Purić, J., Dimitrijević, M.S., Lakićević, I.S.: 1978, *Phys. Lett. A*, **67**, 189.

Purić, J., Glavonjić, V.: 1978, IX SPIG, Dubrovnik, 249.

1979

Glavonjić, V.Dj.: 1979, Magistarski rad, Beograd PMF.

Lakićević, I.S., Purić, J.M., Dimitrijević, M.S.: 1979, *Publ. Obs. Astron. Belgrade*, **26**, 144.

Purić, J., Lakićević, I., Glavonjić, V.: 1979, *J. Phys.*, **40**, C7-795.

1980

Konjević, N., Dimitrijević, M.S.: 1980, V ICSSL, Berlin, 55.

Lakićević, I., Purić, J., Ćuk, M.: 1980, V ICSSL, Berlin, 61.

Mazure, A., Goldbach, C., Nollez, G.: 1980, *Méthode du Microchamp Modèle. Applications recentes à l'élargissement Stark des raies d'atomes neutres*, *Ann. Phys.*, **5**, 219.

Miller, M.H., Lesage, A., Purić, J.: 1980, *Astrophys. J.*, **239**, 410.

Purić, J., Lakićević, I., Glavonjić, V.: 1980, *Phys. Lett. A*, **76**, 128.

Purić, J., Lakićević, I.S.: 1980, V ESCAMPIG, Dubrovnik, 86.

## 1981

- Dimitrijević, M.S., Feautrier, N., Sahal-Bréchet, S.: 1981, *J.Phys.B*, **14**, 2559.
- Konjević, N., Dimitrijević, M.S.: 1981, In *Spectral Line Shapes*, ed. B. Wende, W.de Gruyter, Berlin, New York, 241.
- Lakićević, I.S., Purić, J., Čuk, M.: 1981, In *Spectral Line Shapes*, ed. B. Wende, W.de Gruyter, Berlin, New York, 253.
- Mazure, A.: 1981, *Méthodes statistiques en astrophysique - l'effet Stark stochastique: la méthode du microchamp modèle (MMM)*, Thèse, Paris.
- Purić, J.: 1981, XV ICPIG, Invited papers, Minsk, 311.
- Purić, J., Lakićević, I.S.: 1981, XV ICPIG, Minsk, 927.
- Purić, J., Lakićević, I.S., Glavonjić, V.: 1981, *JQS RT*, **26**, 65.
- Ropke, G., Seifert, T., Kilimann, K.: 1981, A Green function approach to the shift of spectral lines in dense plasmas, *Ann.Physik*, **38**, 381.

## 1982

- Dimitrijević, M.S., Konjević, N.: 1982, ICPP, Göteborg, 343.
- Konjević, N.: 1982, In *Phys.Ioniz.Gases*, ed. G. Pichler, Zagreb, 417.
- Lakićević, I.S.: 1982, *Doktorska disertacija*, Beograd PMF.
- Lakićević, I.S., Purić, J., Čuk, M.: 1982, *Phys.Lett.A*, **91**, 19.
- Miller, M.H., Lesage, A., Abadie, D.: 1982, Experimental Stark Widths of Xe II and Trends in the Broadening of Homologous Rare-Gas Ions, *Phys. Rev.A*, **25**, 2064.
- Purić, J., Lakićević, I.S.: 1982, *Phys.Lett.A*, **91**, 345.
- Rathore, B.A.: 1982, *Doctoral Thesis*, Beograd PMF.
- Wiese, W.L., Konjević, N.: 1982, *JQS RT*, **28**, 185.

## 1983

- Dimitrijević, M.S., Konjević, N.: 1983, *JQS RT*, **30**, 45.
- Kobilarov, Z.: 1983, *Magistarski rad*, Beograd PMF.
- Konjević, N., Dimitrijević, M.S.: 1983, In *Spectral Line Shapes II*, W.de Gruyter, Berlin, New York, 137.

1984

Dimitrijević, M., Konjević, N.: 1984, In *Fotoprocesy vozbuđdeniya i jonizaci*  
LGU, Leningrad, 47.

Hohimer, J.P.: 1984, Stark broadening of potassium ns-4p and nd-4p lines  
a wall-stabilized arc, *Phys. Rev.A*, **30**, 1449.

Hohimer, J.: 1984, Potassium-seeded wall-stabilized source for Stark  
broadening studies, *rev.Sci.Instruments*, **55.**, 1410.

Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, *J.Phys.Chem. Ref.Data*, **13**,  
419.

1985

Dimitrijević, M.S., Sahal-Brechot, S.: 1985, *Collisions et Rayonnement*,  
Orleans, P22.

Purić, J., Čuk, M., Lakićević, I.S.: *Phys. Rev.A*, **32**, 1106.

J. Purić, J., Lakićević, I., Labat, J., Djeniže, S., Čirković, Lj.: 1977, Stark Widths and Shifts  
of Some Neutral Fluorine Spectral Lines, *Phys.Lett.A*, **63**, 243.

1983

Vujnović, V., Vadla, Č., Lokner, V., Dimitrijević, M.S.: 1983, *Astron.Astrophys.*,  
**123**, 249.

1984

Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, *J.Phys.Chem. Ref.Data*, **13**,  
619.

Ruždjak, V.: 1977, Line Profiles in Solar Spicules, *Bull.Astr.Inst.Czech.*, **28**, 198.

1977

Ruždjak, V., Kleczek, J.: 1977, Rotational and turbulent motions in surge  
of september 1st 1961, *Bull.Inst.Astr.Czech.*, **28**, 193.

1980

Božić, H.: 1980, Rotaciona gibanja masa u bljeskovima i filamentima na  
Suncu, Diplomski rad, Zagreb Prirodoslovno-matematički fakultet  
Sveučilišta.

122. Ruždjak, V.: 1977, Utjecaj rotacionih gibanja na profile spektralnih linija Sunčevih prominencija i spikula, Doktorska teza, Zagreb Sveučilište.

**1978**

123. Dimitrijević, M.S.: 1978, Uticaj potencijala dugog dometa na Štarkovo širenje spektralnih linija plazme, Doktorska disertacija, Univerzitet u Beogradu, Institut za primenjenu fiziku, Beograd.

**1980**

Panić, K.: 1980, Diplomski rad, Beograd PMF.

**1981**

Dimitrijević, M.S.: 1981, Publ.Astr.Obs.Sarajevo, 1, 215.

Istrefi, L.: 1981, Doktorska disertacija, Priština.

**1982**

Čelebonović, V.: 1982, Diplomski rad, Beograd PMF.

**1983**

Kobilarov, R.: 1983, Magistarski rad, Beograd PMF.

124. Dimitrijević, M.S., Grujić, P.V.: 1978, On the behaviour of half-widths and shifts of neutral lines in the zero temperature limit, IX SPIG, Dubrovnik, 261.

**1978**

Dimitrijević, M.S.: 1978, Doktorska teza, Beograd PMF.

125. Dimitrijević, M.S., Grujić, P.V.: 1978, Influence of the polarization potential on the Stark broadening of neutral lines in the adiabatic limit, IV ESCAMPIG, Essen, C44(p.96).

**1978**

Dimitrijević, M.S.: 1978, Doktorska teza, Beograd PMF.

**1979**

Dimitrijević, M.S., Grujić, P.: 1979, J.Phys., 40, C7-119.

Dimitrijević, M.S., Grujić, P.: 1979, Z.Naturforsch., 34a, 1362.

126. Dimitrijević, M.S., Grujić, P.: 1978, Long-Range Potentials and Stark Broadening of Neutral Lines, *JQSRT*, **19**, 407.

**1978**

Dimitrijević, M.S.: 1978, Doktorska teza, Beograd PMF.

Dimitrijević, M.S., Grujić, P.V.: 1978, IV ESCAMPIG, Essen, 96.

Dimitrijević, M.S., Grujić, P.V.: 1978, IX SPIG, Dubrovnik, 261.

**1979**

Burges, A., Sahal-Brechot, S.: 1979, Collision cross-sections and line broadening, in Fundamental spectroscopic data, Reports on astronomy Transactions of the IAU, Vol. XVII A, part I, 43.

Dimitrijević, M.S., Grujić, P.V.: 1979, *J.Phys.*, **40**, C7-113.

Dimitrijević, M.S., Grujić, P.: 1979, *Z.Naturforsch.*, **34a**, 1362.

**1980**

Joyko, N.J., Keliner, P.N., Malloy, J.M.: 1980, Emission Spectrometry, *Analyt. Chemistry*, **52**, 53r.

Breger, P.: 1980, Stark broadening of isolated ion lines by plasmas, M.Sc. Thesis, Cape Town.

**1982**

Bassalo, J.M., Cattani, M., Walder, V.S.: 1982, Convergent calculations for electron impact broadening and shift of neutral helium lines, *JQSRT*, **23**, 75.

Rathore, B.A.: 1982, Doctoral Thesis, Beograd PMF.

**1984**

Dimitrijević, M.S.: 1984, *J.Phys.B.*, **17**, 1283.

Dimitrijević, M.S.: 1984, XII SPIG, Šibenik, 465.

127. Dimitrijević, M., Konjević, N.: 1973, On the temperature dependence of Gaunt factors, *JQSRT*, **20**, 223.

**1978**

Dimitrijević, M.S.: 1978, Doktorska teza, Beograd PMF.

1980

Breger,P.: 1980, Stark broadening of isolated ion lines by plasmas, M.Sc. Thesis, Cape Town.

Dimitrijević,M.S., Konjević,N.: 1980, JQS RT, 24, 451.

Hay,J.D., Breger,P.: 1980, Calculated Stark Widths of Isolated S(III) and S(IV) Lines, JQS RT, 24, 427.

Hay,J.D., Breger,P.: 1980, Calculated Stark Widths of Oxygen Ion Lines, 24, 349.

1981

Dimitrijević,M.S., Konjević,N.: 1981, In Spectral Line Shapes, ed.B.Wende, W.de Gruyter, Berlin, New York, 211.

Istrefi,L.: 1981, Doktorska disertacija, Priština.

1982

Rathore,B.A.: 1982, Doctoral thesis, Beograd PMF.

128. Kajzer,M., Sternberg,Z.W.: 1978, Spectral line broadening in space charge zones IV ESCAMPIG, Essen, C45(p.97).

129. Kelleher,D.E., Volgt,P., Wiese,W.L., Konjević,N.: 1978, Red shifts of neutral and ionic hydrogen lines, IV ICSSL, Windsor(Canada), 34.

130. Klyucharev,A.N., Lazarenko,A.V., Movre,M.: 1978, Profil' dalekikh kryl'ev samoushirenykh rezonansnykh linij v spektre fluorescencii opticheskikh plotnykh parov cezija i rubidiya, Opt.Spektrosk., 45, 1033.

1980

Movre,M., Pichler,G.: 1980, J.Phys.B, 13, 697.

131. Movre,M., Pichler,G.: 1978, Theoretical Quasistatic Wings of the Self-Broadened Resonance Lines of Alkali Atoms, IV ICSSL, Windsor (Canada), 12.

132. Pichler,G., Carlsten,J.L.: 1978, Self-Broadening of the Tl 377.6 nm Resonance Line, J.Phys.B, 11, L483.

1980

Pichler,G.: 1980, In Quantum Optics, Gdansk.



### 1981

Pichler,G.: 1981, in Spectral Line Shapes, ed. B.Wende, W.de Gruyter, Berlin, New York, 827.

Pichler,G., Carlsten,J.L.: 1978, Self-Broadening of the Ti 377.6 nm Resonance Line, IV ICSSL, Windsor (Canada), 13.

Platiša,M., Dimitrijević,M.S., Konjević,N.: 1978, Stark Broadening of Ne II Lines, Astron.Astrophys., 67, 103.

### 1979

Burges,A., Sahal-Brechot,S.: 1979, Collision cross-sections and line broadening, in Fundamental spectroscopic data, Reports on astronomy, Transactions of the IAU, Vol. XVII A, part I, 43.

### 1982

Istrefi,L.: 1982, IX SPIG, Dubrovnik, 295.

Miller,M.H., Lesage,A., Abadie,D.: 1982, Experimental Stark widths of Xe II and trends in the broadening of homologous rare-gas ions, Phys. Rev.A, 25, 2064.

Rathore,B.A.: 1982, Doctoral thesis, Beograd PMF.

### 1983

Richou,J., Manola,S., Lesage,A., Abadie,D., Miller,M.H.: XVI ICPIG, Düsseldorf, 632.

### 1984

Konjević,N., Dimitrijević,M.S., Wiese,W.L.: 1985, J.Phys.Chem. Ref.Data, 13, 649.

Nick,K.P., Helbig,V.: 1984, Regularities in rare gas ion line broadening, VII ICSSL, Aussois, A6.

### 1985

Helbig,V.: 1985, Good news - bad news? Stark broadening at moderate electron densities, in Spectral Line Shapes III, ed. F.Rostas, W.de Gruyter, Berlin, New York, 3.

135. Platiša, M., Popović, M.V., Dimitrijević, M., Konjević, N.: 1978, Stark broadening of S III and S IV lines, VII SPIG, Dubrovnik, 245.

136. Platiša, M., Popović, M., Konjević, N.: 1978, Experimental Stark widths of C(II) u.v. lines, JQSRT, 20, 477.

#### 1982

Goly, A., Weniger, S.: 1982, Stark widths and transition probabilities of some multiplets of singly ionized carbon, JQSRT, 28, 389.

Goly, A., Weniger, S.: 1982, Experimental Stark widths and shifts of two ultraviolet C(II) lines, JQSRT, 27, 657.

Sahal-Brechot, S.: 1982, Collision cross sections and line broadening, Reports on Astronomy 1982, ed. P.A. Wayman, D. Reidel, Dordrecht, Boston, London, 124.

#### 1984

Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, J.Phys.Chem. Ref. Data, 13, 649.

137. Purić, J., Dimitrijević, M.S., Lakićević, I.S.: 1978, Some regularities within the Stark widths of resonance lines of alkali-like homologous atoms and ions, Phys.Lett., 67 A, 189.

#### 1978

Purić, J., Glavonjić, V.: 1978, IX SPIG, Dubrovnik, 253.

#### 1979

Glavonjić, V.Dj.: 1979, Magistrski rad, Beograd PMF.

Purić, J., Lakićević, I., Glavonjić, V.: 1979, J.Phys., 40, C7-795.

Purić, J., Lakićević, I., Glavonjić, V.: 1979, J.Phys., C7-835.

#### 1980

Breger, P.: 1980, Stark Broadening of Isolated Ion Lines by Plasmas, M.Sc. Thesis, Cape Town.

Konjević, N., Dimitrijević, M.S.: 1980, V ICSLS, Berlin, 55.

Miller, M.H., Lesage, A., Purić, J.: 1980, 239, 410.

Purić, J., Lakićević, I., Glavonjić, V.: 1980, Phys.Lett.A, 76, 128.

## 1981

Konjević, N., Dimitrijević, M.S.: 1981, In Spectral Line Shapes, ed. B.Wende, W.de Gruyter, Berlin, New York, 241.

Purić, J.: 1981, XV ICPIG, Minsk, Invited papers, 311.

Purić, J., Lakićević, I.: 1981, XV ICPIG, Minsk, 927.

Purić, J., Lakićević, I.S., Glavonjić, V.: 1981, JQS RT, 26, 65.

## 1982

Lakićević, I.S.: 1982, Doktorska disertacija, Beograd PMF.

Lakićević, I.S.: 1982, in Phys.Ioniz.Gases, ed. G.Pichler, Zagreb, 483.

Lakićević, I.S., Purić, J., Čuk, M.: 1982, Phys.Lett.A, 91, 19.

Miller, M.H., Lesage, A., Abadie, D.: 1982, Experimental Stark Widths of Xe II and Trends in the Broadening of Homologous Rare-Gas Ions, Phys. Rev.A, 25, 2064.

Purić, J., Lakićević, I.S.: 1982, Phys.Lett.A, 91, 345.

Rathore, B.A.: 1982, Doctoral Thesis, Beograd, PMF.

Wiese, W.L., Konjević, N.: 1982, JQS RT, 28, 185.

## 1983

Kobilarov, R.: 1983, Magistarski rad, Beograd PMF.

Lakićević, I.S., Purić, J.: 1983, J.Phys.B, 16, 1525.

Purić, J., Lakićević, I.S.: 1983, in Spectral Line Shapes II, ed. K.Burnett, W.de Gruyter, Berlin, New York, 161.

## 1985

Miller, M.H., Abadie, D., Lesage, A.: 1985, Experimental phosphorus and sulfur Stark widths and systematic broadening trends for third row ions, Astrophys.J., 291, 219.

Tsu Jye, Nee, A.: 1985, J.Appl.Phys., 57, 4968.

Purić, J., Glavonjić, V.: 1978, Regularities in Stark broadening parameters of resonant spectral lines from He to Ca, IX SPIG, Dubrovnik, 253.

## 1979

Glavonjić, V.Dj.: 1979, Magistarski rad, Beograd PMF.

Purić, J., Lakićević, I., Glavonjić, V.: 1979, J.Phys., 40, C7-835.

**1981**

Konjević, N., Dimitrijević, M.S.: 1981, In Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 241.

Purić, J.: 1981, XV ICPIG, Invited Papers, Minsk, 311.

**1982**

Lakićević, I.S.: 1982, Doktorska disertacija, Beograd PMF.

9. Purić, J., Lesage, A., Knežević, V.: 1978, Experimental study of the Si II (1) multiplet, IX SPIG, Dubrovnik, 237.

**1982**

Rathore, B.A.: 1982, Doctoral Thesis, Beograd PMF.

**1983**

Lesage, A., Rathore, B.A., Lakićević, I.S., Purić, J.: 1983, Phys. Rev. A, 28, 2264.

**1984**

Miller, M.H., Abadie, D., Lesage, A.: 1984, Experimental Stark widths for P II, S II, Cl II and systematic broadening trends along periodic row, VII ICSSL, Aussois, A5.

**1985**

Miller, M.H., Abadie, D., Lesage, A.: 1985, Experimental phosphorus and sulfur Stark widths and systematic broadening trends for third-row ions, Astrophys. J., 291, 219.

Miller, M.H., Abadie, D., Lesage, A.: 1985, Experimental Stark widths for phosphorus and sulfur and systematic trends for third row ion line broadening, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 45.

140. Raymer, M.C., Carlsten, J.L., Pichler, G.: 1978, Comparison of collisional redistribution and emission line shapes, X Annual Meeting of the Elec. and Atom. Phys., (Madison, 1978), Bull. Am. Phys., 1, 1092.

141. Ruždjak, V.: 1978, Influence of rotational motions on spectral lines of prominence streamers, Bull. Astr. Inst. Czech., 29, 22.

**1980**

Božić, H.: 1980, Rotaciona gibanja masa u bijeskovima i filamentima na Suncu, Diplomski rad, PMF Sveučilišta, Zagreb.

142. Škovrlj, L.J.: 1978, Stapanje vodikovih linija kod granice ionizacije, Magistarski rad, Zagreb Sveučilište.

143. Škovrlj, L.J., Ruždjak, V., Vujnović, V.: 1978, Calculation of the Hydrogen spectral line profiles for the low electron density, IX SPIG, Dubrovnik, 293.

144. Veža, D., Pichler, G., Movre, M.: 1978, Satellites of self-broadened spectral lines of cesium and rubidium, IX SPIG, Dubrovnik, 249.

145. Wiese, W.L., Konjević, N.: 1978, Regularities in plasma-broadened line widths, IX SPIG, Dubrovnik, 257.

**1980**

Konjević, N., Dimitrijević, M.S.: 1980, V ICSLS, Berlin, 55.

**1981**

Dimitrijević, M.S.: 1981, ECAP, Heidelberg, 529.

Konjević, N., Dimitrijević, M.S.: 1981, In Spectral Line Shapes, ed. B.Wende, W. de Gruyter, Berlin, New York, 241.

Purić, J.: 1981, XV ICPIG, Invited papers, Minsk, 311.

**1982**

Dimitrijević, M.S.: 1982, In Phys. Ioniz. Gases, ed. G.Pichler, Zagreb, 397.

Lakićević, I.S., 1982, Doktorska disertacija, Beograd PMF.

**1983**

Kobilarov, R.: 1983, Magistarski rad, Beograd PMF.

**1979**

146. Dimitrijević, M.S.: 1979, Stark widths of multiply ionized atoms of astrophysical interest, Proc. of the III Nat. Conf. of Yug. Astronomers, Belgrade 1977, In Publ. Obs. Astr. Belgrade, 26, 138.

**1981**

Dimitrijević, M.S.: 1981, Publ.Astr.Obs.Sarajevo, 1, 215.

**1982**

Sahal-Brechot, S.: 1982, Collision cross sections and line broadening, Reports on Astronomy 1982, ed. P.A.Wayman, D.Reidel, P.C., Dordrecht, Boston, London, 124.

147. Dimitrijević, M.S., Grujić, P.: 1979, Approximate Classical Trajectories and the Adiabatic Theory of the Stark Broadening of Neutral-Atom Lines, Z.Naturforsch., 34a, 1362.

**1979**

Dimitrijević, M.S., Grujić, P.: 1979, J.Phys., 40, C7-119.

**1982**

Sahal-Brechot, S.: 1982, Collision cross section and line broadening, Reports on Astronomy 1982, ed. P.A.Wayman, D.Reidel, P.C., Dordrecht, Boston, London, 124.

**1984**

Dimitrijević, M.S.: 1984, J.Phys.B, 17, L283.

Dimitrijević, M.S.: 1984, XII SPIG, Šibenik, 465.

148. Dimitrijević, M.S., Grujić, P.: 1979, A Modified adiabatic theory calculation for the Stark broadening of He I ( $3^1P^0 - 2^1S$ ), J.Phys., 40, C7-119.
149. Dimitrijević, M.S., Grujić, P., Koledin, D.: 1979, Quantum mechanical calculations of the Stark broadening of some He I lines from plasmas, J.Phys., 40, C7-825.

**1979**

Koledin, D.: 1979, Teorija rasejanja niskoenergetskih elektrona na nekim pobudjenim stanjima helijuma, Magistrska teza, Univerzitet u Beogradu.

150. Dimitrijević, M., Konjević, N.: 1979, On the approximative semiclassical formula for the electron-impact width of multiply ionized atom lines in plasmas, J.Phys 40, C7-815.

### 1980

Dimitrijević, M., Konjević, N.: 1980, V ICSLS, Berlin, 53.

Dimitrijević, M.S., Konjević, N.: 1980, JQSRT, 24, 451.

### 1981

Dimitrijević, M.S.: 1981, Publ.Astr.Obs.Sarajevo, 1, 215.

Dimitrijević, M.S., Konjević, N.: in Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin. New York, 211.

151. Djurović, S.: 1979, Experimental study of the Stark broadening of  $H_{\alpha}$  and  $H_{\beta}$  in an arc plasma, Zbornik radova PMF u Novom Sadu, 9, 307.

### 1979

Djurović, S.: 1979, Zbornik radova PMF u Novom Sadu, 9, 317.

152. Djurović, S.: 1979, Stark profiles of H and H Balmer lines in stabilized electric arc plasma, Zbornik radova PMF u Novom Sadu, 9, 317.

153. Glavonjić, V. Dj.: 1979, Neke regularnosti Starkovih parametara širenja i pomeranja rezonantnih spektralnih linija neutralnih atoma i jona, Magistarski rad, Beograd PMF.

154. Kelleher, D.E., Konjević, N., Wiese, W.L.: 1979, Test for ion dynamic dependence of plasma red shifts in neutral hydrogen, Phys.Rev.A, 20, 1195.

### 1983

Griem, H.R.: 1983, Shifts of hydrogen lines from electron collisions in dense plasmas, Phys.Rev.A, 28, 1596.

Stehle, C., Mazure, H., Nollez, G., Feautrier, N.: 1983, Stark broadening of hydrogen lines: new results for the Balmer lines and astrophysical consequences, Astron.Astrophys., 127, 263.

### 1985

Halenka, J.: 1985, Red shifts of the intensity peak of the H line in argon arc-plasma, XVII ICPIG, Budapest, 993.

Kelleher, D.E., Cooper, J.: 1985, Shift of ion lines in plasmas, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 85.

155. Lakićević, I.S., Purić, J.M., Dimitrijević, M.S.: 1979, Some regularities of Stark widths of alkali-metal and singly-ionized earth alkali-metal resonant spectral lines, *Publ.Obs.Astron.Belgrade*, **26**, 144.
156. Niemax, K., Movre, M., Pichler, G.: 1979, Near-wing asymmetries of the self-broadened first Rb and Cs resonance lines, *J.Phys.B*, **12**, 3503.

#### 1980

- Movre, M., Pichler, G.: 1980, *J.Phys.B*, **13**, 697.
- Pichler, G.: 1980, in *Quantum Optics*, Gdansk.
- Pichler, G.: 1980, V *ICSLS*, Berlin, 36.
- Vadla, Č., Beuc, R., Movre, M.: 1980, V *ICSLS*, Berlin, 49.
- Vadla, Č., Beuc, R., Movre, M.: 1980, V *ESCAMPIG*, Dubrovnik, 91.
- Veža, D., Movre, M., Pichler, G.: 1980, *J.Phys.B*, **13**, 3605.
- Veža, D., Rukavina, J., Movre, M., Vujnović, V., Pichler, G.: 1980, *Optics Communications*, **34**, 77.

#### 1981

- Pichler, G.: 1981, in *Spectral Line Shapes*, ed. B.Wende, W.de Gruyter, Berlin, New York, 827.
- Vadla, Č., Beuc, R., Movre, M.: 1981, in *Spectral Line Shapes*, ed. B.Wende, W.de Gruyter, Berlin, New York, 751.

#### 1982

- Beuc, R., Movre, M., Vadla, Č.: 1982, *J.Phys.B*, **15**, 1333.
- Perrin, D.J., Benlakhdar, Z., Jeanett, J.C., Lennuier, R.: 1982, Experimental Shape of the 253,7nm Mercury Line perturbed by the light noble gases (Fr.), *J.Phys.E*, **43**, 45.
- Veža, D.: 1982, *Interakcija atoma litija i natrija u atomskoj pari*, Magistarski rad, Zagreb Sveučilište.

#### 1983

- Helnke, H., Lawrentz, J., Niemax, K., Weber, K.H.: 1983, Impact Broadening of Alkali Rydberg Levels in Rare and Mixed Alkali Vapours, *Z.Phys. A*, **313**, 329.



- Lewis, E.: 1983, Long range interatomic potentials and line broadening, in Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 429.
- Veža, D., Pichler, G.: 1983, Opt. Commun., 45, 39.
- 1985**
- Kantor, P. Ya., Mohov, A. V., Penkin, N. P., Shabanova, L. M.: 1985, Rezonansnoe ushirenie liniy 794.7 i 780.0 nm Rb I, Opt. Spectrosc., 58, 1212.
- Pichler, G.: 1979, The resonance interaction and quasistatic broadening of barium resonance lines, Frühjahrstagung, Berlin 1979, Verhandlungen 2/1979, p. 563.
- Čičišković, M., Popović, M., Dimitrijević, M., Konjević, N.: 1979, Stark broadening of S(III) and S(IV) lines, JQSRT, 22, 333.
- 1980**
- Breger, P.: 1980, Stark broadening of isolated ion lines by plasmas, M.Sc. Thesis, Cape Town.
- Dimitrijević, M. S., Konjević, N.: 1980, JQSRT, 24, 451.
- Hey, J. D., Breger, P.: 1980, Stark broadening of isolated ion lines by plasmas: application of theory, V ICSSL, Berlin, 58.
- Hey, J. D., Breger, P.: 1980, Calculated Stark widths of isolated S(III) and S(IV) lines, JQSRT, 24, 427.
- 1981**
- Dimitrijević, M. S., Konjević, N.: 1981, in Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 211.
- Hey, J. D., Breger, P.: 1981, Stark broadening of isolated ion lines by plasmas: application of theory, in Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 201.
- Čičišković, L.: 1981, Doktorska disertacija, Priština.
- Syrkin, M. I.: 1981, Raschety ehlektronnogo ushireniya spektral'nykh liniy v teorii opticheskikh svojstv plazmy, Opt. Spektrosk., 51, 778.

## 1982

Baschek,B., Kudritzki,R.P., Scholz,M., Simon,K.P.: 1982, Spectral Analysis of the OB subdwarf HD149382, *Astron.Astrophys.*, **108**, 387.

Dimitrijević,M.S., Konjević,N.: 1982, *JQSRT*, **27**, 203.

Sahal-Brechot,S.: 1982, Collision cross sections and line broadening, *Reports on astronomy 1982*, ed. P.A.Wayman, D.Reidel P.C., Dordrecht, Boston, London, 124.

Wiese,W.L., Konjević,N.: 1982, *JQSRT*, **28**, 185.

## 1983

Dimitrijević,M.S.: 1983, *Astron.Astrophys.*, **127**, 68.

Kobilarov,R.: 1983, Magistarski rad, Beograd, PMF.

## 1984

Konjević,N., Dimitrijević,M.S., Wiese,W.L.: 1984, *J.Phys.Chem.Ref.Data*, **13**, 649.

159. Purić,J., Lakićević,I., Glavonić,V.: 1979, Some regularities within the Stark widths and shifts of resonance lines of singly charged ions from He to Ca, *J.Phys.*, **40**, C7-835.

## 1979

Glavonić,V.Dj.: 1979, Magistarski rad, Beograd, PMF.

## 1980

Breger,P.: 1980, Stark broadening of isolated ion lines by plasmas, M.Sc.Thesis, Cape Town.

Konjević,N., Dimitrijević,M.S.: 1980, V ICSLS, Berlin, 55.

Lakićević,I.S., Purić,J.: 1980, X SPIG, Dubrovnik, 218.

Purić,J., Lakićević,I.S.: 1980, V ESCAMPIG, Dubrovnik, 86.

Purić,J., Lakićević,I., Glavonić,V.: 1980, *Phys.Lett.*, **76A**, 128.

## 1981

Konjević,N., Dimitrijević,M.S.: 1981, in *Spectral Line Shapes*, ed. B.Wende, W. de Gruyter, Berlin, New York, 241.

Purić,J.: 1981, XV ICPIG, Invited papers, Minsk, 311.

Purić,J., Lakićević,I.: 1981, XV ICPIG, Minsk, 927.

### 1982

Rathore,B.A.: 1982, Doctoral thesis, Beograd, PMF.

Lakićević,I.S.: 1982, Doktorska disertacija, Beograd, PMF.

Purić,J., Lakićević,I.S.: 1982, Phys.Lett. **91A**, 345.

Wiese,W.L., Konjević,N.: 1982, JQSRT, **28**, 185.

### 1983

Kobilarov,R.: 1983, Magistarski rad, Beograd, PMF.

160. Purić,J., Lakićević,I., Glavonić,V.: 1979, Some regularities within the Stark widths and shifts of resonance lines of neutral atoms from He to Ca, J.Phys., **40**, C7-795.

### 1979

Glavonić,V.Dj.: 1979, Magistarski rad, Beograd, PMF.

### 1980

Breger,P.: 1980, Stark broadening of isolated ion lines by plasmas, M.Sc.Thesis, Cape Town.

Konjević,N., Dimitrijević,M.S.: 1980, V ICSSL, Berlin, 55.

Lakićević,I.S., Purić,J.: 1980, X SPIG, Dubrovnik, 218.

Purić,J., Lakićević,I., Glavonić,V.: 1980, Phys.Lett., **76A**, 128.

Purić,J., Lakićević,I.S.: 1980, V ESCAMPIG, Dubrovnik, 86.

### 1981

Konjević,N., Dimitrijević,M.S.: 1981, in Spectral Line Shapes, ed. B.Wende, W. de Gruyter, Berlin, New York, 241.

Purić,J.: 1981, XV ICPIG, Invited papers, Minsk, 311.

Purić,J., Lakićević,I.: 1981, XV ICPIG, Minsk, 927.

### 1982

Lakićević,I.S.: 1982, Doktorska disertacija, Beograd, PMF.

Purić,J., Lakićević,I.S.: 1982, Phys.Lett., **91A**, 345.

Rathore,B.A.: 1982, Doctoral thesis, Beograd, PMF.

Wiese,W.L., Konjević,N.: 1982, JQSRT, **28**, 185.

1983

Kobilarov, R.: 1983, Magistarski rad, Beograd, PMF.

161. Raymer, M.G., Carlsten, J.L., Pichler, G.: 1979, Comparison of collisional redistribution and emission line shapes, *J.Phys.S*, 112, L 1119.

1980

Burnett, K.: 1980, Collisional redistribution of resonance radiation, V ICSLS, 1117.

Thomann, P., Burnett, K., Cooper, J.: 1980, Far wing depolarization of light: generalised absorption profiles, V ICSLS, Berlin, 1121.

1981

Burnett, K.: 1981, Collisional redistribution of resonance radiation in *Spectral Line Shapes*, ed. B.Wende, W. de Gruyter, Berlin, New York, 885.

Nienhuis, G.: 1981, Collisional redistribution of strong resonance radiation, in *Spectral Line Shapes*, ed. B.Wende, W. de Gruyter, Berlin, New York, 889.

1982

Allard, N., Kielkopf, J.: 1982, The effect of neutral non resonant collisions on atomic spectral lines, *Rev.Mod.Phys.*, 54, 1103.

Lam, K.S., George, T.F.: 1982, Semiclassical approach to spontaneous emission of molecular collision systems - a dynamical theory of fluorescence line shapes, *J.Chem.Phys.*, 76, 3396.

Zhang, Y.X., Han, Q.S., Luo, Z.J., Cheng, W.G.: 1982, Near resonant scattering of collision - perturbed atoms with doublet excited - states, *Chin.Phys.*, 2, 612.

1983

Crubellier, A., Liberman, S., Mayon, D., Pillet, P.: 1983, Experimental evidence for collision induced super radiance, *Optics Lett.*, 8, 105.

Rzazewski, K., Eberly, J.H.: 1983, Photo excitation of an autoionizing resonance in the presence of off diagonal relaxation, *Phys.Rev.A*, 27, 2026.

BUTHELL, ... 1985, Collisional redistribution of radiation, Phys.Reports, 118, 339.

162. Vadić, Č., Vujnović, V.: 1979, Measurement of broadening Parameters of neutral carbon lines in the vacuum ultraviolet, Phys.Rev.A, 20, 1573.

1984

Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, J.Phys.Chem. Ref. Data, 13, 619.

Vujnović, V.: 1984, In Fotoprocesy возбужdeniya i jonizacii, LGU, Leningrad, 12.

1985

Merschmann, D., Helbig, V.: 1985, Stark broadening and shift of CI lines in the VUV, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 61.

1980

163. Dimitrijević, M.S.: 1980, Semiclassical calculations of the Stark widths of C III and C IV, V ESCAMPIG, Dubrovnik, 90.

1982

Dimitrijević, M.S.: 1982, in Phys. Ioniz. Gases, ed. G. Pichler, Zagreb, 397.

1984

Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, J.Phys.Chem. Ref. Data, 13, 649.

164. Dimitrijević, M.S.: 1980, Stark broadening and its astrophysical applications, XI Int. School for Young Astronomers, Hvar, 22.

165. Dimitrijević, M.S., Grubor, D.P.: 1980, Stark line widths of some lithium isoelectronic sequence ions, V ESCAMPIG, Dubrovnik, 89.

166. Dimitrijević, M., Konjević, N.: 1980, Modified semiempirical formula for the electron-impact width of ionized atom lines, V ICSLS, Berlin, 53.

167. Dimitrijević, M., Konjević, N.: 1980, Semiempirical Stark line widths of alkali like ions, X SPIG, Dubrovnik, 204.

168. Dimitrijević, M.S., Konjević, N.: 1980, Stark broadening of N II, N III and N IV lines, V ESCAMPIG, Dubrovnik, 88.

169. Dimitrijević, M.S., Konjević, N.: 1980, Stark line widths of doubly - and triply - ionized atom lines, JQSRT, 24, 451.

### 1980

- Breger, P.: 1980, Stark broadening of isolated ion lines by plasmas, M.Sc. Thesis, Cape Town.
- Dimitrijević, M.S.: 1980, V ESCAMPIG, Dubrovnik, 90.
- Dimitrijević, M.S., Grubor, D.P.: 1980, V ESCAMPIG, Dubrovnik, 89.
- Dimitrijević, M.S., Konjević, N.: 1980, X SPIG, Dubrovnik, 204.
- Panić, K.: 1980, Diplomski rad, Beograd, PMF.

### 1981

- Dimitrijević, M.S., Grubor, D.P., Konjević, N.: 1981, II Colloque sur l'Influence des processus collisionnels sur le profil des raies spectrales, Orleans, P9.
- Dimitrijević, M.S., Konjević, N.: 1981, In Spectral Line Shapes, ed. B.Wende, W. de Gruyter, Berlin, New York, 211.
- Dimitrijević, M.S., Konjević, N.: 1981, JQSRT, 25, 387.
- Dimitrijević, M.S., Konjević, N.: 1981, Astron. Astrophys., 102, 93.
- Istrefi, L.: 1981, Doktorska teza, Priština

### 1982

- Čelebonović, V.: 1982, Diplomski rad, Beograd, PMF.
- Dimitrijević, M.S.: 1982, XI SPIG, Dubrovnik, 213.
- Dimitrijević, M.S.: 1982, in Phys. Ioniz. Gases, ed. G. Pichler, Zagreb, 397.
- Dimitrijević, M.S.: 1982, in Sun and Planetary System, Reidel P.C., 101.
- Dimitrijević, M.S.: 1982, Astron. Astrophys., 112, 251.
- Dimitrijević, M.S., Konjević, N.: 1982, JQSRT, 27, 203.
- Hey, J.D., Breger, P.: 1982, A classical path calculation of Stark broadening of isolated ion lines by plasmas, South African J. Phys., 5, 111.
- Istrefi, L.: 1982, XI SPIG, Dubrovnik, 295.
- Konjević, N.: 1982, In Phys. Ioniz. Gases, ed. G. Pichler, Zagreb, 417.
- Sahal-Bréchot, S.: 1982, Collision cross sections and Line Broadening, Reports on Astronomy 1982, ed. P.A. Wayman, D., Reidel P.C., Dordrecht, Boston, London, 124.

**1983**

Ackermann, U., Finken, K.H., Musielok, J.: 1983, Broadening of C V Lines in Dense Plasmas, XVI ICPIG, Düsseldorf, 620.

Dimitrijević, M.S.: 1983, Astron.Astrophys., 127, 68.

El-Farra, M.A., Hughes, T.P.: 1983, Stark broadening of lines from multiply-charged carbon ions in a high-density arc plasma, JQSRT, 30, 335.

Kobzev, G.A.: 1983, Ushirenje spektral' nykh linij polozhitel'nykh jonov azota i kisloroda, Preprint No I-101, IVTAN, Moskva.

**1984**

Dimitrijević, M.S.: 1984, Astron.Astrophys., 131, 327.

Konjević, N., Pittman, T.: 1984, XII SPIG, Šibenik, 450.

Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, J.Phys.Chem.Ref. Data, 13, 649.

**1985**

Ackermann, U., Finken, K.H., Musielok, J.: 1984, Line profiles of the  $P_{\alpha}$  and  $P_{\beta}$  transitions in He II and broadening of C IV lines at high electron densities, Phys.Rev. A, 31, 2597.

Dimitrijević, M.S., Konjević, N.: 1984, in Fotoprocesy vozbuždeniya i jonizacii, LGU Leningrad, 41.

Dimitrijević, M.S., Konjević, N.: 1985, XVII ICPIG, 975.

70. Konjević, N., Dimitrijević, M.S.: 1980, On the systematic trends of Stark broadening parameters of isolated lines, V ICSLS, Berlin, 55.

71. Lakićević, I.S., Purić, J.: 1980, Stark broadening dependence on the atomic polarizability, X SPIG, Dubrovnik, 218.

**1980**

Lakićević, I.S., Purić, J.: 1980, V ESCAMPIG, Dubrovnik, 87.

**1981**

Purić, J.: 1981, XV ICPIG, Invited papers, Minsk, 311.

1982

Lakićević, I.S.: 1982, Doktorska disertacija, Beograd, PMF.

172. Lakićević, I.S., Purić, J., Čuk, M.: 1980, Stark broadening and shift parameters of single - ionized lead, V ESCAMP1G, Dubrovnik, 87.

1982

Lakićević, I.S.: 1982, Doktorska disertacija, Beograd, PMF.

Rathore, B.A.: 1982, Doctoral thesis, Beograd, PMF.

173. Lakićević, I., Purić, J., Čuk, M.: 1980, Stark broadening and shift of Al I and Cs I lines, V ICSSL5, Berlin, 61.

1981

Purić, J., Labat, O., Lakićević, I.: 1980, V ICSSL5, Berlin, 59.

174. Lokner, V., Movre, M.: 1980, Determination of the true total line intensity and the true halfwidth of the Lorentz component for the class of Voigt Profiles from graphical analysis of Spectrum, Fizika, 12, 61.

1983

Lokner, V., Vadla, Č., Vujnović, V.: 1983, Relative transition probabilities of F(I) spectral lines in the visible, JQSRT, 30, 187.

Vujnović, V., Vadla, Č., Lokner, V., Dimitrijević, M.S.: 1983, Astron. Astrophys., 123, 249.

1984

Vujnović, V.: 1984, In Fotoprocesy возбужденија i jonizacii, LGU Leningrad, 12.

175. Miller, M.H., Lesage, A., Purić, J.: 1980, Stark broadening trends in homologous ions, Astrophys. J., 239, 410.

1980

Purić, J., Lakićević, I.S.: 1980, X SPIG, Dubrovnik, 216.

1981

Lakićević, I.S., Purić, J.: 1981, XV ICPIG, Minsk, 915.



Purić,J.: 1981, XV ICPIG, Invited papers, Minsk, 311.

Purić,J., Lakićević,I.: XV ICPIG, Minsk, 927.

#### 1982

Lakićević,I.S.: 1982, Doktorska disertacija, Beograd, PMF.

Lakićević,I.S.: 1982, in Phys.Ioniz.Gases, ed. G.Pichler, Zagreb, 483.

Lakićević,I.S., Purić,J.: 1982, XI SPIG, Dubrovnik, 289.

Miller,M.H., Lesage,A., Abadie,D.: 1982, Experimental Stark widths of Xe II and trends in the broadening of homologous rare-gas ions, Phys.Rev. A, 25, 2064.

Purić,J., Lakićević,I.S.: 1982, VI ICSLS, Boulder, 5.

Purić,J., Lakićević,I.S.: 1982, Phys. Lett., 91a, 345.

Rathore,B.A.: 1982, Doctoral thesis, Beograd, PMF.

Sahal-Bréchet,S.: 1982, Collision cross sections and line broadening, Reports on Astronomy 1982, ed. P.A.Wayman, D.Reidel, P.C., Dordrecht, Boston, London, 124.

Wiese,W.L., Konjević,N.: 1982, JQSRT, 28, 185.

#### 1983

Kobilarov,R.: 1983, Magistarski rad, Beograd, PMF.

Lakićević,I.S.: 1983, Astron.Astrophys., 127, 37.

Lakićević,I.S., Purić,J.: 1983, J.Phys.B, 16, 1525.

Purić,J., Lakićević,I.S.: 1983, In Spectral Line Shapes II, ed. K.Burnett, W. de Gruyter, Berlin, New York, 161.

Purić,J., Lesage,A., Lakićević,I.S.: 1983, in Spectral Line Shapes II, ed. K.Burnett, W. de Gruyter, Berlin, New York, 175.

#### 1984

Miller,M.H., Eastwood,D., Hendrick,M.S.: 1983, Excitation of analytes and enhancement of emission intensities in a DC plasma jet. A critical review leading to proposed mechanistic models, Spectrosc.Acta B, R39, 13.

**1985**

Miller, M.H., Abadie, D., Lesage, A.: 1985, Experimental Phosphorus and sulfur Stark widths and systematic broadening trends for third-row ions, *Astrophys.J.*, **291**, 219.

Purić, J., Čuk, M., Lakićević, I.S.: 1985, *Phys.Rev.A*, **32**, 11106.

Helbig, V.: 1985, Good news - bad news? Stark broadening at moderate electron densities, in *Spectral Line Shapes III*, ed. F.Rostas, W. de Gruyter, Berlin, New York, 3.

76. Movre, M., Pichler, G.: 1980, Resonance interaction and self-broadening of alkali resonance lines II. Quasi-static wing profiles, *J.Phys.B*, **13**, 697.

**1979**

Niemax, K., Movre, M., Pichler, G.: 1979, *J.Phys.B*, **12**, 3503.

**1980**

Pichler, G.: 1980, in *Quantum Optics*, Gdansk.

Pichler, G.: 1980, V ICSLS, Berlin, 36.

Pichler, G.: 1980, XI Int.School for Young astronomers, Hvar, 24.

Vadla, Č., Beuc, R., Movre, M.: 1980, V ICSLS, Berlin, 49.

Vadla, Č., Beuc, R., Movre, M.: 1980, V ESCAMPIG, Dubrovnik, 91.

Veža, D., Pichler, G.: 1980, V ICSLS, Berlin, 48.

Veža, D., Movre, M., Pichler, G.: 1980, *J.Phys.B*, **13**, 3605.

Veža, D., Rukavina, J., Movre, M., Vujnović, V., Pichler, G.: 1980, *Opt.Commun.*, **34**, 77.

**1981**

Pichler, G.: 1981, in *Spectral Line Shapes*, ed. B.Wende, W. de Gruyter, Berlin, New York, 827.

Vadla, Č., Beuc, R., Movre, M.: 1981, in *Spectral Line Shapes*, ed. B.Wende, W. de Gruyter, Berlin, New York, 751.

Veža, D., Pichler, G.: 1981, in *Spectral Line Shapes*, ed. B.Wende, W. de Gruyter, Berlin, New York, 845.

1982

Beuc,R., Milošević,S., Movre,M., Pichler,G., Veža,D.: Fizika, **14**, 345.

Beuc,R., Movre,M., Vadić,Č.: 1982, J.Phys.B, **15**, 1333.

Veža,D.: 1982, Interakcija atoma litija i natrija u atomskoj pari, Magistarski rad, Zagreb, Sveučilište.

Woerdman,J.P., de Groot,J.J.: 1982, Emission and absorption spectroscopy of high pressure sodium discharges, ACS symposium series, No 179, 33.

1983

Huenekens,J., Gallagher,A.: 1983, Resonance broadening of the sodium D lines, in Spectral Line Shapes II, ed. K.Burnett, W. de Gruyter, Berlin, New York, 664.

Huenekens,J., Gallagher,A.: 1983, Self broadening of the sodium resonance lines and excitation transfer between the  $3P_{3/2}$  and  $3P_{1/2}$  levels, Phys.Rev.A, **27**, 1851.

Kamke,B., Kamke,W., Niemax,K., Gallagher,A.: 1983, Rb and Cs broadening of the Na resonance lines, Phys.Rev.A, **28**, 2254.

Vadić,Č., Beuc,R., Movre,M.: 1983, in Spectral Line Shapes II, ed. K.Burnett, W. de Gruyter

Veža,D., Pichler,G.: 1983, Opt.Comm., **45**, 39.

1984

Milošević,S., Pichler,G.: 1984, VII ICSSL, Aussois, F8

Movre,M.: 1984, in Fotoprocesy vzbuzhdeniya i jonizaciji, LGU Leningrad, 49.

Su,C.H., Liao,P.K., Huang,Y., Liou,S.S., Brebrich,R.F.: 1984, Interatomic potentials for Cd, Zn and Hg from absorption spectra, J.Chem.Phys., **81**, 11.

1985

Kantor,P.Ya., Mohov,A.V., Penkin,N.P., Shabanova,L.N.: 1985, Rezonansnoe ushirenie linij 794.7 i 780.0 nm Rb I, Opt.Spectrosc., **58**, 1212.

- Konowalov,D.D., Milošević,S., Pichler,G.: 1985, On the Shape of the yellow diffuse band of potassium, J.Molec.Spect., 110, 256.
- Milošević,S., Pichler,G.: 1985, in Spectral Line Shapes, ed. F.Rostas, W. de Gruyter, Berlin, New York, 661.
- Movre,M., Beuc,R.: 1985, Phys.Rev.A, 31, 2957.
- Reiser,P.A., Wyner,E.E.: 1985, Use of the peak shifts of the 3s-3p sodium resonance lines for the analysis of high-pressure sodium lamps, J.Appl.Phys., 57, 1623.
- Veža,D.: 1985, Disertacija, Zagreb, Sveučilište.
177. Movre,M., Veža,D., Pichler,G., Niemax,K.: 1980, Triplet satellite bands in the very far blue wings of the self-broadened alkali D Lines, V ICSLS, Berlin, 150.
- 1980**
- Vadla,Č., Beuc,R., Movre,M., Pichler,G.: 1980, ECAP, Heidelberg, 360.
178. Panić,K.: 1980, Štarkovo širenje spektralnih linija višestruko jonizovanog aluminijuma, Diplomski rad, Beograd, PMF.
179. Pavlov,M., Terzić,M.: 1980, Influence of boundary layers in T-tube plasmas on hydrogen line profiles, V ESCAMPIG, Dubrovnik, 92.
180. Pichler,G.: 1980, Quasistatic line-wing broadening and collisional redistribution of radiation by neutral particles, XI Int.School for young astronomers, Hvar, 24.
181. Pichler,G.: 1980, The resonance interaction and the quasistatic resonance broadening of spectral lines, in Quantum Optics, Wierzyca 1979, eds. J.Crub, J.Heldt, Gdansk.
182. Pichler,G.: 1980, Self-broadening in metal vapors, V ICSLS, Berlin, 36.
183. Purić,J., Lakićević,I.S.: 1980, Stark width and shift periodic dependence on nuclear charge number, V ESCAMPIG, Dubrovnik, 86.
- 1982**
- Lakićević,I.S.: 1982, Doktorska disertacija, Beograd, PMF.
- Rathore,B.A.: 1982, Doctoral thesis, Beograd, PMF.
184. Purić,J., Lakićević,I.S.: 1980, Stark broadening dependence on the ionization potential, X SPIG, Dubrovnik, 216.

1980

Lakićević,I.S., Purić,J.: 1980, V ESCAMPIG, Dubrovnik, 87.

1981

Purić,J.: 1981, XV ICPIG, Invited lectures, 311.

1982

Lakićević,I.S.: 1982, Doktorska disertacija, Beograd, PMF.

185. Purić,J., Labat,O., Lakićević,I.: 1980, Stark parameters dependence on the ionization potential, V ICSLS, Berlin, 59.

1981

Lakićević,I., Purić,J., Ćuk,M.: 1980, V ICSLS, Berlin, 61.

186. Purić,J., Lakićević,I., Glavonjić,V.: 1980, Stark width and Shift dependence on the ionization potential, Phys.Lett., **76A**, 128.

1980

Breger,P.: 1980, Stark broadening of isolated ion lines by plasmas, M.Sc.Thesis, Cape Town.

Lakićević,I.S., Purić,J.: 1980, V ESCAMPIG, Dubrovnik, 87.

Lakićević,I., Purić,J., Ćuk,M.: 1980, V ICSLS, Berlin, 61.

Purić,J., Lakićević,I.S.: 1980, X SPIG, Dubrovnik, 216.

Purić,J., Lakićević,I.S.: 1980, V ESCAMPIG, Dubrovnik, 86.

1981

Konjević,N., Dimitrijević,M.S.: 1981, in Spectral Line Shapes, ed. B.Wende, W. de Gruyter, Berlin, New York, 421.

Lakićević,I.S., Purić,J.: 1981, XV ICPIG, Minsk, 915.

Lakićević,I.S., Purić,J., Ćuk,M.: 1981, in Spectral Line Shapes, ed. B.Wende, W. de Gruyter, Berlin, New York, 253.

Purić,J.: 1981, XV ICPIG, Invited papers, Minsk, 311.

Purić,J., Labat,O., Lakićević,I.: 1981, V ICSLS, Berlin, 59.

Purić,J., Labat,O., Lakićević,I.: 1981, in Spectral Line Shapes, ed. B.Wende, W. de Gruyter, Berlin, New York, 249.

Purić, J., Lakićević, I.: 1981, XV ICPIG, Minsk, 927.

Purić, J., Lakićević, I.S., Glavonić, V.: 1981, JQSRT, 26, 65.

1982

Lakićević, I.S.: 1982, Doktorska disertacija, Beograd, PMF.

Lakićević, I.S.: 1982, XI SPIG, Dubrovnik, 219.

Lakićević, I.S.: 1982, in Phys.Ioniz.Gases, ed. G.Pichler, Zagreb.

Lakićević, I.S., Purić, J.: 1982, VI ICSLS, Boulder, 24.

Lakićević, I.S., Purić, J., Čuk, M.: 1982, Phys.Lett., 91A, 19.

Purić, J., Lakićević, I.S.: 1982, Phys.Lett., 91A, 345.

Rathore, B.A.: 1982, Doctoral thesis, Beograd, PMF.

Wiese, W.L., Konjević, N.: 1982, JQSRT, 28, 185.

1983

Kobilarov, R.: 1983, Magistarski rad, Beograd, PMF.

Kobzev, G.A.: 1983, Ushirenje spektral'nyh linij polozhitel'nykh jonov azota i kisloroda, Preprint No I-101, IVTAN, Moskva.

Lakićević, I.S.: 1983, Astron.Astrophys., 127, 371.

Lakićević, I.S., Purić, J.: 1983, J.Phys.B, 16, 1525.

Lakićević, I.S., Purić, J.: 1983, in Spectral Line Shapes II, ed. K.Burnett, W. de Gruyter, Berlin, New York, 147.

Purić, J., Lakićević, I.S.: 1983, in Spectral Line Shapes II, ed. K.Burnett, W. de Gruyter, Berlin, New York, 161.

1984

Dimitrijević, M.S., Konjević, N.: 1984, Z.Naturforsch., 39a, 553.

1985

Dimitrijević, M.S.: 1985, II ECAMP, Amsterdam, 206.

Dimitrijević, M.S.: 1985, Astron.Astrophys., 145, 439.

Lakićević, I.S.: 1985, Astron.Astrophys., 151, 457.

Miller, M.H., Abadle, A., Lesage, A.: 1985, Experimental Stark widths for phosphorus and sulfur and systematic trends for third row ion line broadening, in Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 45.

Purić, J., Ćuk, M., Lakićević, I.S.: 1985, Phys.Rev.A, 32, 1106.

Purić, J., Ćuk, M., Lakićević, I.S.: 1985, XVII ICPIG, Budapest, 1030.

187. Vadla, Č., Beuc, R., Movre, M.: 1980, Quasistatic wings of K spectral lines broadened by Cs, V ICSLS, Berlin, 49.

1980

Vadla, Č., Beuc, R., Movre, M., Pichler, G.: 1980, ECAP, Heidelberg, 360.

188. Vadla, Č., Beuc, R., Movre, M.: 1980, Far wings of K resonance lines broadened by Cs, V ESCAMPIG, Dubrovnik, 91.

189. Vadla, Č., Beuc, R., Movre, M., Pichler, G.: 1980, Satellite bands in K-Rb mixtures, ECAP, Heidelberg, 360.

1984

Movre, M.: 1984, in Fotoprocesy vozbuždeniya i jonizacii, LGU Leningrad, 49.

190. Veža, D., Movre, M., Pichler, G.: 1980, The shape of the inner-wing satellites of self-broadened first resonance lines of Cs and Rb, J.Phys.B, 13, 3605.

1981

Pichler, G.: 1981, in Spectral Line Shapes, ed. B.Wende, W. de Gruyter, Berlin, New York, 827.

1982

Sayer, B.: 1982, Determining inter-atomic potential from line-shape studies, Acta.Phys.Pol. A, 61, 531.

Woerdman, J.P., de Groot, J.J.: 1982, Emission and absorption spectroscopy of high pressure Sodium discharge, ACS Symposium series, No 179, 33.

1983

Kobzev, G.A.: 1983, Ushirenje spektral'nykh linij polozhitel'nykh jonov azota i kisloroda, Preprint No I-101, IVTAN, Moskva.

Lewis, E.L.: 1983, Long range Interatomic potentials and line broadening, In Spectral Line Shapes II, ed. K.Burnett, W. de Gruyter, Berlin, New York, 429.

1985

Kantor, P.Ya., Mohov, A.V., Penkin, N.P., Shebanova, L.N.: 1985, Rezonansnoe ushirenie linij 794.7 i 780.0 mm Rb I, Opt.Spectrosc., 58, 1212.

Movre, M., Beuc, R.: 1985, Phys.Rev.A, 31, 2957.

Veža, D.: 1985, Disertacija, Zagreb, Sveučilište.

191. Veža, D., Pichler, G.: 1980, Quasistatic self-broadening of Li and Na first resonance lines, V ICSSL, Berlin, 48.

1982

Veža, D., Milošević, S., Pichler, G.: 1982, XI SPIG, Dubrovnik, 315.

192. Veža, D., Rukavina, J., Movre, M., Vujnović, V., Pichler, G.: 1980, A triplet satellite band in the very far blue wing of the self-broadened sodium D lines, Opt.Comm., 34, 77.

1980

Pichler, G.: 1980, In Quantum Optics, Gdansk.

Vadla, Č., Beuc, R., Movre, M., Pichler, G.: 1980, ECAP, Heidelberg, 360.

1981

Milošević, S.: 1981, Istraživanje interakcije K-K i, K-plemeniti plinovi, Diplomski rad, Zagreb, Sveučilište.

1982

Beuc, R., Milošević, S., Movre, M., Pichler, G., Veža, D.: 1982, Fizika, 14, 345.

Shimizu, F., Shimizu, K., Takuma, H.: 1982, Spectroscopy of  $\text{Na}_2 A^3\Pi_u - X^1\Sigma_g^+$  transitions observed by the laser induced fluorescence of a molecular beam, Phys.Rev. A, 26, 2707.

Veža, D.: 1982, Interakcija atoma litija i natrija u atomskoj pari, Magistarski rad, Zagreb, Sveučilište.

Veža, D., Milošević, S., Pichler, G.: 1982, XI SPIG, 315.

Veža, D., Milošević, S., Pichler, G.: 1982, VI ICSSL, Boulder, 47.

Veža, D., Milošević, S., Pichler, G.: 1982, Chem.Phys.Lett., 93, 401.

Woardman, J.P., de Groot, J.J.: 1982, Emission and absorption spectroscopy of high pressure sodium discharges, ACS Symposium Series No 179, 35.



**1983**

- Konowalov, D.D., Rosenkrantz, M.E., Hochhauser, D.S.: 1983, Electron transition dipole moment functions and difference potentials for transitions among low lying states of  $\text{Li}_2$  and  $\text{Na}_2$ , *J.Mol.Spect.*, **99**, 321.
- Pichler, G., Milošević, S., Veža, D., Bosanac, S.: 1983, in *Spectral Line Shapes II*, ed. K. Burnett, W. de Gruyter, Berlin, New York, 613.
- Pichler, B., Milošević, S., Veža, D., Beuč, R.: 1983, *J.Phys. B*, **16**, 4619.
- Verma, K.K., Banks, J.T., Rajaeirizi, A.R., Stwalley, W.C., Zemke, W.T.: 1983, 1 st observation of bound continuum transitions in the laser induced  $A^1 \Sigma_u^+ - X^1 \Sigma_g^+$  fluorescence of  $\text{Na}_2$ , *J.Chem.Phys.*, **78**, 3599.
- Veža, D., Milošević, S., Pichler, G.: 1983, in *Spectral Line Shapes II*, ed. K. Burnett, W. de Gruyter, Berlin, New York, 679.

**1984**

- Huennekens, J., Wu, Z., Walker, T.G.: 1984, Ionization excitation of high-lying atomic states and molecular fluorescence in Cs vapor excited at  $\lambda = 455.7$  and  $459.4$  nm, *Phys.Rev. A*, **31**, 196.
- Kolar, I.: 1984, Istraživanje visokotlačnih K-Rb-halogenih izvora svjetlosti, Magistarski rad, Zabreg, Sveučilište.
- Konowalov, D.D., Regan, R.M., Rosenkrantz, M.E.: 1984, The most likely potential energy curve for the lowest  $3 \Sigma_u^+$  state of  $\text{Li}_2$ , *J.Chem.Phys.*, **81**, 4534.
- Milošević, S.: 1984, Difuzne vrpce u vidljivom spektru gustih alkalijskih para, Magistarski rad, Zagreb, Sveučilište.
- Veža, D., Pichler, G.: 1984, VII ICSSL, Aussois, F III.
- Veža, D., Milošević, S., Pichler, G.: 1984, in *Fotoprocesy vzbuzhdeniya i jonizacii*, LGU, Leningrad, 32.

**1985**

- Johnson, D.E., Eden, J.G.: 1985, Continua in the visible absorption spectrum of  $\text{K}_2$ , *J.Opt.Soc. B*, **2**, 721.

Veža,D.: 1985, Disertacija, Zagreb, Sveučilište.

Veža,D., Pichler,G.: 1985, In Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 667.

**1981**

193. Dimitrijević,M.S.: 1981, Electron impact broadened line widths in a supermultiplet, ECAP, Heidelberg, 529.

194. Dimitrijević,M.S.: 1981, Stark broadening of some O III lines, Publ.Astr.Obs. Sarajevo, 1, 215.

**1982**

Dimitrijević,M.S.: 1982, In Phys.Ioniz.Gases, ed. G.Pichler, Zagreb, 397.

Sahal-Bréchet,S.: 1982, Collision cross sections and line broadening, Reports on astronomy, 1982, ed. P.A.Wayman, D.Reidel, P.C., Dordrecht, Boston, London, 124.

**1984**

Konjević,N., Dimitrijević,M.S., Wiese,W.L.: 1984, J.Phys.Chem.Ref.Data, 13, 649.

195. Dimitrijević,M.: 1981, Stark broadening of heavy ion solar lines, VI ERMA, Collection of abstracts, Dubrovnik, 32.

196. Dimitrijević,M.S., Feautrier,N., Sahal-Bréchet,S.: 1981, Comparison between quantum and semiclassical calculations of the electron impact broadening of the Li I resonance line, J.Phys. B, 14, 2559.

**1981**

Feautrier,N.: 1981, Elargissement des raies spectrales, in Excitation and broadening in atomic spectra of astrophysical interest, eds. S.Volonte, L.Houziaux, Université, Mons, 49.

Sahal-Bréchet,S.: 1981, Physique fine intervenant dans l'analyse des processus microscopiques nécessaire a l'interpretation des spectres a haute resolution, II Colloque nationale du conseil français du telescope spatial, Orsay, 53.

## 1982

Čelebonović, V.: 1982, Diploma

Dimitrijević, M.S., Feautrier, N., Sahal-Bréchet, S.: 1982, XI SPIG, Dubrovnik, 277.

Goldbach, C., Nollez, G., Plomdeur, P., Zimmermann, J.P.: 1982, Stark-width measurements of neutral and singly-ionized magnesium resonance lines in a wall-stabilized arc, *Phys.Rev. A*, **25**, 2596.

Sahal-Bréchet, S.: 1982, Collision cross sections and line broadening, *Reports on Astronomy 1982*, ed. P.A.Wayman, D.Reidel, P.C.Dordrecht, Boston, London, 124.

## 1983

Dimitrijević, M.S., Feautrier, N., Sahal-Bréchet, S.: 1983, *Fizika*, **15**, 295.

197. Dimitrijević, M.S., Feautrier, N., Sahal-Bréchet, S.: 1981, Quantum and semiclassical Stark width calculation for the Li I resonance line, *II Colloque sur l'Influence des processus collisionnels sur le profil des raies spectrales*, Orleans, P 8.

198. Dimitrijević, M.S., Grubor, D.P., Konjević, N.: 1981, Electron impact broadening of multiply charged ion lines, *II Colloque sur l'influence des processus collisionnels sur le profil des raies spectrales*, Orleans, P 9.

199. Dimitrijević, M.S., Konjević, N.: 1981, Semitemperical Stark line widths of Alkali like Ions, *Astron.Astrophys.*, **102**, 93.

## 1982

Dimitrijević, M.S.: 1982, XI SPIG, Dubrovnik, 213.

Dimitrijević, M.S.: 1982, in *Phys.Ioniz.Gases*, ed. G.Pichler, Zagreb, 397.

Dimitrijević, M.S.: 1982, *Astron.Astrophys.*, **112**, 251.

Sahal-Bréchet, S.: 1982, Collision cross sections and line broadening, *Reports on Astronomy 1982*, ed. P.A.Wayman, D.Reidel P.C., Dordrecht, Boston, London.

## 1983

Dimitrijević, M.S.: 1983, *Astron.Astrophys.*, **127**, 68.

Goldbach,C., Nollez,G., Plomdeur,P., Zimmermann,J.P.: 1983, Stark-width measurements of singly ionized calcium resonance lines in a wall-stabilized arc, Phys.Rev. A, 28, 234.

Kobzev,G.A.: 1983, Ushirenje spektral'nykh linij polozhitel'nykh jonov azota i kisloroda, preprint No I-101, IVTAN, Moskva.

**1984**

Cattani,M.: 1984, Quantum mechanical electron-impact widths and shifts of isolated lines of neutral atoms and ions, IV Japan-Brazil symposium on Science and Technology, Vol. III, Academia de Ciências do Estado de S.Paulo, 216.

**1985**

Dimitrijević,M., Konjević,N.: 1985, in Fotoprocesy возбужdeniya i jonizacii, LGU, Leningrad, 41.

Tsu-Jye, Nee,A.: 1985, Near-Resonance-Rayleigh Scattering measurement on a resonant laser-driven barium plasma, J.Appl.Phys., 57, 4968.

200. Dimitrijević,M.S., Konjević,N.: 1981, Modified semiempirical formula for the electron-impact width of ionized atom lines: Theory and applications, in Spectral Line Shapes, ed. B.Wende, W. de Gruyter, Berlin, New York, 211.

**1980**

Breger,P.: 1980, Stark broadening of isolated ion lines by plasmas, M.Sc.Thesis, Cape Town.

**1981**

Istrefi,L.: 1981, Doktorska disertacija, Priština.

**1982**

Dimitrijević,M.S.: 1982, XI SPIG, Dubrovnik, 213.

Dimitrijević,M.S.: 1982, in Phys.Ioniz.Gases, ed. G.Pichler, Zagreb, 397.

Dimitrijević,M.S.: 1982, in Sun and Planetary System,Reidel, P.C., 101.

Dimitrijević,M.S.: 1982, Astron.Astrophys., 112, 251.

Konjević,N.: 1982, in Phys.Ioniz.Gases, ed. G.Pichler, Zagreb, 417.

Miller,M.H., Lesage,A., Abadie,D.: 1982, Experimental Stark widths of Xe II and trends in the broadening of homologous rare-gas ions, Phys.Rev. A, 25, 2064.

Rathore,B.A.: 1982, Doctoral thesis, Beograd, PMF.

**1983**

Dimitrijević,M.S.: 1983, Astron.Astrophys., 127, 68.

Dimitrijević,M.S., Sahal-Bréchet,S.: 1983, in Spectral Line Shapes II, W. de Gruyter, Berlin, New York, 103.

**1984**

Dimitrijević,M.S.: 1984, Astron.Astrophys., 131, 327.

Dimitrijević,M., Konjević,N.: 1984, in Fotoprocesy возбужdeniya i jonizacii, LGU, Leningrad, 41.

Konjević,N., Dimitrijević,M.S., Wiese,W.L.: 1984, J.Phys.Chem.Ref. Data, 13, 649.

Konjević,N., Pittman,T.: 1984, XII SPIG, Šibenik, 450.

**1985**

Babin,S.A., Donin,V.I.: 1985, Proval Lemba i vremena zhizni nizhnikh lasernykh urovnej jona Ar III, Opt.Spektrusk., 59, 983.

201. Dimitrijević,M.S., Konjević,N.: 1981, On the Stark broadening of ionized nitrogen lines, JQSRT, 25, 387.

**1980**

Breger,P.: 1980, Stark broadening of isolated ion lines by plasmas, M.Sc. Thesis, Cape Town.

**1981**

Istrefi,L.: 1981, Doktorska disertacija, Priština.

Källne,E., Jones,L.A.: 1981, Reply to the preceding note on the Stark broadening of ionized nitrogen lines, JQSRT, 25, 393.

**1982**

Dimitrijević, M.S.: 1982, in *Phys. Ioniz. Gases*, ed. G. Pichler, Zagreb, 397.

Istrefi, L.: 1982, XI SPIG, Dubrovnik, 295.

Sahal-Bréchet, S.: 1982, *Collision cross sections and line broadening, Reports on Astronomy 1982*, ed. P.A. Wayman, D. Reidel P.C., Dordrecht, Boston, London, 124.

**1983**

Kobzev, G.A.: 1983, *Ushirenje spektral'nykh linij položitel'nykh jonov azota i kisloroda*, Preprint No I-1011, IVTAN, Moskva.

**1984**

Konjević, N., Dimitrijević, M.S.: Wiese, W.L.: 1984, *J. Phys. Chem. Ref. Data*, 13, 649

202. Dimitrijević, M.S., Konjević, N.: 1981, *Širenje spektralnih linija u plazmi, Savremena istraživanja u fizici I*, ed. V. Urošević, Institut za fiziku, Naučna knjiga, Beograd.

**1982**

Čelebonović, V.: 1982, *Diplomski rad*, Beograd, PMF.

Rathore, B.A.: 1982, *Doctoral thesis*, Beograd, PMF.

Vujnović, V.: 1982, *Research in Laboratory Astrophysics in Yugoslavia*, Hvar.Obs.Bull., 6, 179.

203. Džimberg, V.: 1981, *Profili spektralnih linija F-I u vidljivom*, *Diplomski rad*, Zagreb, Sveučilište.

204. Konjević, N., Dimitrijević, M.S.: 1981, *On the systematic trends of Stark broadening parameters of isolated lines in plasmas*, in *Spectral Line Shapes*, ed. B. Wende, W. de Gruyter, Berlin, New York, 241.

**1980**

Breger, P.: 1980, *Stark broadening of isolated ion lines by plasmas*, M.Sc. Thesis, Cape Town.

**1981**

Dimitrijević, M.S.: 1981, ECAP, Heidelberg, 529.

Purić, J.: 1981, XVI ICPIG, invited papers, Minsk, 3111.

**1982**

Dimitrijević, M.S.: 1982, *Astron. Astrophys.*, **112**, 2511.

Dimitrijević, M.S.: 1982, *Hvar Obs. Bull.*, **6**, 1185.

Dimitrijević, M.S.: 1982, in *Phys. Ioniz. Gases*, ed. G. Pichler, Zagreb, 397.

Dimitrijević, M.S., Sahal-Brechot, S.: 1982, XI SPIG, Dubrovnik, 273.

Hey, J.D., Breger, P.: 1982, A classical path calculation of Stark broadening of isolated ion lines by plasmas, *South African J. Phys.*, **5**, 1111.

Konjević, N.: 1982, in *Phys. Ioniz. Gases*, ed. G. Pichler, Zagreb, 417.

Konjević, N., Kobilarov, R.: 1982, XI SPIG, Dubrovnik, 285.

Lakićević, I.S.: 1982, *Doktorska disertacija*, Beograd, PMF.

Rathore, B.A.: 1982, *Doctoral thesis*, Beograd, PMF.

Wiese, W.L., Konjević, N.: 1982, *JQSRT*, **28**, 1185.

**1983**

Dimitrijević, M.S., Konjević, N.: 1983, *JQSRT*, **30**, 45.

Dimitrijević, M.S., Sahal-Brechot, S.: 1983, *Collisions et Rayonnement*, Orleans, P25.

Dimitrijević, M.S., Sahal-Brechot, S.: 1983, XVI ICPIG, Düsseldorf, 628.

Kobilarov, R.: 1983, *Magistarski rad*, Beograd, PMF.

Konjević, N., Dimitrijević, M.S.: 1983, in *Spectral Line Shapes II*, ed. K. Burnett, W. de Gruyter, Berlin, New York, 137.

**1984**

Dimitrijević, M.S., Konjević, N.: 1984, *JQSRT*, **31**, 3011.

Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, *J. Phys. Chem. Ref. Data*, **13**, 649.

205. Istrefi, L.: 1981, Širenje spektralnih linija višestruko jonizovanih atoma u plazmi, Doktorska disertacija, Priština.
- 1982
- Istrefi, L.: 1982, XI SPIG, Dubrovnik, 295.
- Istrefi, L., Gashi, R.: 1982, VI ESCAMPIG, Oxford, W19.
- 1983
- Kobilarov, R.: 1983, Magistarski rad, Beograd, PMF.
206. Lakićević, I.S., Purić, J.: 1981, Stark widths and shifts systematic trends, XV ICPIG, Minsk, 1603.
- 1981
- Purić, J.: 1981, XV ICPIG, Invited papers, Minsk, 3111.
- 1982
- Lakićević, I.S.: 1982, Doktorska disertacija, Beograd, PMF.
- Lakićević, I.S.: 1982, XI SPIG, Dubrovnik, 219.
- Lakićević, I.S.: 1982, In Phys. Ioniz. Gases, ed. G. Pichler, Zagreb, 483.
- Lakićević, I.S., Purić, J.: 1982, XI SPIG, 289.
- Lakićević, I.S., Purić, J.: 1982, VI ICSSL, Boulder, 24.
- Rathore, B.A.: 1982, Doctoral thesis, Beograd, PMF.
- 1983
- Lakićević, I.S.: 1983, Astron. Astrophys., 127, 37.
- Lakićević, I.S., Purić, J.: 1983, J. Phys. B, 16, 1525.
- Lakićević, I.S., Purić, J.: 1983, In Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 147.
- Purić, J., Lakićević, I.S.: 1983, In Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 161.
- 1985
- Purić, J., Čuk, M., Lakićević, I.S.: 1985, Phys. Rev. A, 32, 1106.



207. Lakićević,I.S., Purić,J.: 1981, Stark width and shift periodic dependence on nuclear charge number, XV ICPIG, Minsk, 927.

1981

Purić,J.: 1981, XV ICPIG, Invited papers, Minsk, 3111.

208. Lakićević,I.S., Purić,J., Ćuk,M.: 1981, Stark broadening and Shift of Cs I and Al II lines, in Spectral Line Shapes, ed. B.Wende, W. de Gruyter, Berlin, New York, 253.

1981

Purić,J.: 1981, XV ICPIG, Minsk, 3111.

Purić,J., Labat,O., Lakićević,I.: 1981, in Spectral Line Shapes, ed. B.Wende, W. de Gruyter, Berlin, New York, 249.

1982

Lakićević,I.S.: 1982, Doktorska disertacija, Beograd, PMF.

Rathore,B.A.: 1982, Doctoral thesis, Beograd, PMF.

1984

Konjević,N., Dimitrijević,M.S., Wiese,W.L.: 1984, J.Phys.Chem.Ref. Data, 13, 619.

Konjević,N., Dimitrijević,M.S., Wiese,W.L.: 1984, J.Phys.Chem.Ref. Data, 13, 649.

1985

Miller,M.H., Abadie,D., Lesage,A.: 1985, Experimental Phosphorus and Sulfur Stark widths and systematic broadening trends for third-row ions, Astrophys.J., 291, 219.

Miller,M.H., Abadie,D., Lesage,A.: 1985, Experimental Stark widths for Phosphorus and Sulfur and Systematic trends for third row ion line broadening, In Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 45.

209. Milošević, S., Pichler, G.: 1981, Investigation of absorption spectra of pure dense potassium vapor, *Fizika*, 13, 377.

1983

Pichler, G., Milošević, S., Veža, D., Beuc, R.: 1983, *J. Phys. B*, 16, 4619.

1984

Beuc, R., Milošević, S., Pichler, G.: 1984, *J. Phys. B*, 17, 1845.

Milošević, S.: 1984, Difuzne vrpce u vidljivom spektru gustih alkalijskih para, Matistarski rad, Zagreb, Sveučilište.

Pichler, G., Milošević, S., Veža, D., Bosanac, S.: 1984, In *Fotoprocesy возбужденија i jonizacij*, LGU, Leningrad, 26.

1985

Johnson, D.E., Eden, J.G.: 1985, Continua in the visible absorption spectrum of  $K_2$ , *J. Opt. Soc. B*, 2, 721.

210. Movre, M., Veža, D., Pichler, G., Niemax, K.: 1981, Triplet Satellite Bands in the very far blue wings of the self-broadened alkali D lines, In *Spectral Line Shapes*, ed. B. Wende, W. de Gruyter, Berlin, New York, 852.

1982

Beuc, R., Milošević, S., Movre, M., Pichler, G., Veža, D.: 1982, *Fizika*, 14, 34.

Beuc, R., Movre, M., Pichler, G., Vadla, Č.: 1982, XI SPIG, Dubrovnik, 129.

Veža, D.: 1982, Interakcija atoma litija i natrija u atomskoj pari, Magistarski rad, Zagreb, Sveučilište.

1983

Veža, D., Milošević, S., Pichler, G.: 1983, In *Spectral Line Shapes II*, ed. K. Burnett, W. de Gruyter, Berlin, New York, 679.

Veža, D., Milošević, S., Pichler, G.: 1983, *Chem. Phys. Lett.*, 93, 401.

1984

Movre, M.: 1984, In *Fotoprocesy возбужденија i jonizacij*, LGU, Leningrad, 49.

211. Pichler, G.: 1981, Self-broadening in metal vapors, in Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 827.

1980

Pichler, G.: 1980, in Quantum Optics, Gdansk.

1982

Veža, D., Milošević, S., Pichler, G.: VI ICSLS, Boulder, 47.

212. Purić, J.: 1981, Regularities and trends in Stark parameters of neutral and ion spectral lines, XVI ICPIG, Invited papers, Minsk, 311.

1982

Purić, J., Lakićević, I.S., Rathore, B.A., Ćuk, M.: 1982, XI SPIG, Dubrovnik, 303.

Rathore, B.A.: 1982, Doctoral thesis, Beograd, PMF.

1983

Lakićević, I.S.: 1983, Astron. Astrophys., 127, 37.

Lakićević, I.S., Rathore, B.A., Ćuk, M., Purić, J.: 1983, XVI ICPIG, Düsseldorf, 624.

Purić, J., Lakićević, I.S.: 1983, in Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 161.

Purić, J., Lakićević, I.S., Rathore, B.A., Ćuk, M.: 1983, XVI ICPIG, Düsseldorf, 626.

1984

Purić, J., Ćuk, M., Lakićević, I.S.: 1984, VII ICSLS, Aussois, A3.

Rathore, B.A., Lakićević, I.S., Ćuk, M., Purić, J.: 1984, VII ICSLS, Aussois, A4.

1985

Purić, J., Ćuk, M., Lakićević, I.S.: 1985, XVII ICPIG, Budapest, 1030.

Purić, J., Ćuk, M., Lakićević, I.S.: 1985, Phys. Rev. A, 32, 1106.

Purić, J., Ćuk, M., Lakićević, I.S.: 1985, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 41.

- Rathore, B.A., Lakićević, I.S., Ćuk, M., Purić, J.: 1985, In Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 43.
213. Purić, J., Labat, O., Lakićević, I.: 1981, Stark parameter dependence on the ionization potential, in Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 249.
- 1981
- Lakićević, I.S., Purić, J., Ćuk, M.: 1981, in Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 253.
- Purić, J.: 1981, XV ICPIG, Invited Lectures, Minsk, 311.
- 1982
- Lakićević, I.S.: 1982, Doktorska disertacija, Beograd, PMF.
- Lakićević, I.S.: 1982, in Phys. Ioniz. Gases, ed. G. Pichler, Zagreb, 483.
- Wiese, W.L., Konjević, N.: 1982, JQSRT, 28, 1185.
- 1983
- Kobilarov, R.: 1983, Magistarski rad, Beograd, PMF.
- Lakićević, I.S., Purić, J.: 1983, in Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 147.
- 1984
- Dimitrijević, M.S., Konjević, N.: 1984, Z. Naturforsch., 39a, 553.
- 1985
- Lakićević, I.S.: 1985, Astron. Astrophys., 151, 457.
- Miller, M.H., Abadie, D., Lesage, A.: 1985, Experimental Phosphorus and Sulfur Stark widths and systematic broadening trends for third-row ions, Astrophys. J., 291, 219.
- Purić, J., Ćuk, M., Lakićević, I.S.: 1985, Phys. Rev. A, 32, 11106.

214. Purić, J., Lakićević, I.: 1981, Stark width and shift periodic dependence on nuclear charge number, XV ICPIG, Minsk, 927.
- 1982
- Lakićević, I.S.: 1982, Doktorska disertacija, Beograd, PMF.
215. Purić, J., Lakićević, I.S., Glavonić, V.: 1981, Some regularities within the Stark Widths and shifts of resonance ion lines from Li to Ca, JQSRT, 26, 65.
- 1980
- Purić, J., Lakićević, I., Glavonić, V.: 1980, Phys. Lett., 76a, 128.
- 1981
- Purić, J.: 1981, XV ICPIG, Invited papers, Minsk, 311.
- Purić, J., Lakićević, I.: 1981, XV ICPIG, Minsk, 927.
- 1982
- Lakićević, I.S.: 1982, Doktorska disertacija, Beograd, PMF.
- Miller, M.H., Lesage, A., Abadie, D.: 1982, Experimental Stark widths of Xe II and trends in the broadening of homologous rare-gas ions, Phys. Rev. A, 25, 2064.
- Purić, J., Lakićević, I.S.: 1982, Phys. Lett., 91A, 345.
- Rathore, B.A.: 1982, Doctoral thesis, Beograd, PMF.
- 1983
- Lakićević, I.S.: 1983, Astron. Astrophys., 127, 37.
- 1984
- Cattani, M.: 1984, Quantum mechanical electron-impact widths and shifts of isolated lines of neutral atoms and ions, IV Japan-Brazil symposium on science and Technology, Vol. III, Academia de Ciências do Estado do S. Paulo, 216.

2116. Ruždjak, V., Vujnović, V.: 1981, Merging of Hydrogen Spectral lines near the Balmer limit, Publ. Astr. Obs. Sarajevo, 11, 209.
- 1982
- Engvold, O.: 1982, Prominences, In Reports on Astronomy 1982, ed. P.A. Wayman, D. Reidel P.C., Dordrecht, Boston, London, 68.
2117. Vadla, Č., Beuc, R., Movre, M.: 1981, Quasi-static wings of K spectral lines broadened by Cs, in Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 751.
- 1981
- Milošević, S.: 1982, Istraživanje interakcije K-K i K-plemeniti plinovi, Diplomski rad, Zagreb, Sveučilište.
- 1982
- Beuc, R., Movre, M., Vadla, Č.: 1983, J. Phys. B, 15, 1333.
- Vadla, Č., Beuc, R., Movre, M.: 1982, VI ICSLS, Boulder, 49.
- 1983
- Vadla, Č., Beuc, R., Movre, M.: 1983, in Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 531.
- 1984
- Vadla, Č.: 1984, in Fotoprocesy возбужденија i jonizacii, LGU, Leningrad, 35.
2118. Veža, D., Pichler, G.: 1984, Quasistatic self-broadening of Li and Na first resonance lines, in Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 845.
- 1981
- Milošević, S.: 1981, Istraživanje interakcije K-K i K-plemeniti plinovi, Diplomski rad, Zagreb, Sveučilište.

1982

Veža, D.: 1982, Interakcija atoma litija i natrija u atomskoj pari, Magistarski rad, Zagreb, Sveučilište.

1982

219. Beuc, R., Milošević, S., Movre, M., Pichler, G., Veža, D.: 1982, Satellite bands in the far blue wing of the potassium first resonance doublet, Fizika, 14, 345.

1983

Pichler, G., Milošević, S., Veža, D., Beuc, R.: 1983, J. Phys. B, 16, 4619.

1984

Milošević, S.: 1984, Magistarski rad, Zagreb, Sveučilište.

Veža, D., Pichler, G.: 1984, VII ICSSL, Aussois, F 111.

1985

Huenekens, J., Wu, Z., Walker, T.G.: 1985, Ionization, excitation of high-lying atomic states and molecular fluorescence in Cs vapor excited at  $\lambda = 455.7$  and  $459.4$  nm, Phys. Rev. A, 31, 1196.

Johnson, D.E., Eden, J.G.: 1985, Continua in the visible absorption spectrum of  $K_2$ , J. Opt. Soc. B, 2, 721.

Veža, D.: 1985, Disertacija, Zagreb, Sveučilište.

Veža, D., Pichler, G.: 1985, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 667.

Beuc, R., Movre, M., Vadla, Č.: 1982, Blue asymmetry of potassium resonance lines broadened by cesium atoms, J. Phys. B, 15, 1333.

1982

Vadla, Č., Beuc, R., Movre, M.: 1982, VI ICSSL, Boulder, 49.

1983

Vadla, Č., Beuc, R., Movre, M.: 1983, in Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 531.

1984

Beuc,R., Movre,M., Vadla,Č.: 1984, J.Phys. B, 17, 1845.

Messiha,F.S.: 1984, Cesium-A bibliography update, Pharmacology  
Biochemistry and behaviour, B, 21, 1113.

Movre,M.: 1984, In Fotoprocesy возбужdeniya i jonizacii, LGU,  
Leningrad, 49.

1985

Movre,M., Beuc,R.: 1985, Phys.Rev. A, 31, 2957.

221. Beuc,R., Movre,M., Pichler,G., Vadla,Č.: 1982, Satellite Bands in the far blue  
wing of Rb first resonance lines, XI SPIG, Dubrovnik, 129.

222. Beuc,R., Movre,M., Vadla,Č.: 1982, Blue asymmetry of potassium resonance lines  
broadened by cesium atoms, J.Phys. B, 15, 1333.

223. Čelebonović,V.: 1982, Štarkovo širenje spektralnih linija u izoelektronskom nizu P I,  
Diplomski rad, Beograd, PMF.

224. Čirković,L.J.M., Vujičić,B.T.: 1982, Experimental Investigations of broadening  
parameters of the He I 447.1 nm line in a laser-produced plasma,  
XI SPIG, 311.

225. Dimitrijević,M.S.: 1982, Similarities of Stark line widths within a given spectrum  
and irregular energy level structure, Hvar Obs.Bull., 6, 185.

226. Dimitrijević,M.S.: 1982, Stark broadening of heavy ion solar lines, In Sun and  
Planetary System, eds. W. Fricke, G.Teleki, D.Reidel P.C., Dordrecht,  
Boston, London, 101.

1982

Dimitrijević,M.S.: 1982, In Phys.Ioniz.Gases, ed. G.Pichler, Zagreb, 397.

227. Dimitrijević,M.S.: 1982, Stark broadening of non-hydrogenic ion lines within the  
Impact approximation, In The Physics of Ionized Gases, Invited Lectures,  
Review Reports and Progress Reports of SPIG-82, ed. G.Pichler, Institute  
of Physics of the University, Zagreb, 397.



**1982**

Konjević, N.: 1982, In *Phys. Ioniz. Gases*, ed. G. Pichler, Zagreb, 417.

**1984**

Cattani, M.: 1984, Quantum mechanical electron-impact widths and shifts of isolated lines of neutral atoms and ions, IV Japan-Brazil symposium on science and technology, Vol. III, Academia de Ciências do Estado de S. Paulo, 216.

Mar, S., Czernichowski, A., Chappelle, J.: 1984, Experimental determination of the Stark Widths of S II lines, VII ICSLS, Aussois, A7.

**1985**

Kobzev, G. A.: 1985, Radiation processes in low-temperature plasma, in *Phys. Ioniz. Gases*, eds. M. M. Popović, P. Krstić, World Scientific, Singapore, 725.

Mar, S., Czernichowski, A., Chappelle, J.: 1985, Experimental determination of the Stark Widths of S II lines, In *Spectral Line Shapes III*, ed. F. Rostas, W. de Gruyter, Berlin, New York, 49.

228. Dimitrijević, M. S.: 1982, Stark broadening of non-hydrogenic ion lines within the impact approximation, XI SPIG, Dubrovnik, 213.

229. Dimitrijević, M. S.: 1982, On the Variation of Stark Line Widths within a supermultiplet, *Astron. Astrophys.*, 1112, 251.

**1982**

Dimitrijević, M. S.: 1982, *Hvar Obs. Bull.*, 6, 185.

Dimitrijević, M. S.: 1982, In *Phys. Ioniz. Gases*, ed. G. Pichler, Zagreb, 397.

Kobilarov, R., Konjević, N.: 1982, VI ICSLS, Boulder, 3.

**1983**

Dimitrijević, M. S., Sahal-Bréchet, S.: 1983, In *Spectral Line Shapes II*, W. de Gruyter, Berlin, New York, 103.

11984

Dimitrijević, M.S., Sahal-Bréchet, S.: 11984, JQSRT, 31, 3011.

Dimitrijević, M.S., Sahal-Bréchet, S.: 11984, Astron. Astrophys., 136, 289.

Richou, J., Manola, S., Lebrun, J.L., Lesage, A.: 11984, Phys. Rev. A, 29, 31811.

11985

Dimitrijević, M.S.: 11985, Publ. Obs. Astron. Belgrade, 33, 111.

Dimitrijević, M.S., Trucng Bach: 11985, Collisions et Rayonnement,  
Orleans, P 23.

230. Dimitrijević, M., Cornille, M., Feautrier, N., Sahal-Bréchet, S.: 11982, Resonant scattering (autoionization) Contributions to Stark broadening of ion lines, XI SPIG, Dubrovnik, 2811.

11982

Dimitrijević, M.S.: 11982, In Phys. Ioniz. Gases, ed. G. Pichler, Zagreb, 397.

231. Dimitrijević, M.S., Feautrier, N., Sahal-Bréchet, S.: 11982, Influence of different kinds of collisions on the Stark broadening of the Li I resonance line, XI SPIG, Dubrovnik, 277.

232. Dimitrijević, M.S., Konjević, N.: 11982, On the Stark broadening of heavy, non-hydrogenic neutral atom lines in plasmas, Int. Conf. Plasma Phys., Göteborg, 343.

233. Dimitrijević, M.S., Konjević, N.: 11982, Semiclassical calculations of electron impact Stark widths of S(III), Cl(III) and S(IV) isolated lines, JQSRT, 27, 203.

11982

Dimitrijević, M.S.: 11982, In Phys. Ioniz. Gases, ed. G. Pichler, Zagreb, 397.

Konjević, N.: 11982, In Phys. Ioniz. Gases, ed. G. Pichler, Zagreb, 417.

11984

Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 11984, J. Phys. Chem. Ref. Data,  
13, 649.

234. Dimitrijević, M.S., Sahal-Bréchet, S.: 1982, Stark broadening of the He I Resonance lines, XI SPIG, Dubrovnik, 273.

235. Düren, R., Hasselbrink, E., Milošević, S., Pichler, G., Tischer, H.: 1982, On the  $^3\Sigma$  - potentials for the interaction of K(4) and K(5) with argon, VI ICSLS, Boulder, 42.

236. Düren, R., Hasselbrink, E., Milošević, S., Pichler, G., Tischer, H.: 1982, On the  $^2\Sigma$ -potentials for the interaction of K (4p) and K(5p) with argon, Chem.Phys.Lett., 89, 218.

1982

Düren, R., Hasselbrink, E., Moritz, G.: 1982, On the Interaction of Excited Alkali atoms with Rare gas targets in Scattering Processes, Z.Phys. A, 307, 11.

1983

Baylis, W.E.: 1983, The theory of interatomic potentials for line broadening, in Spectral Line Shapes II, ed. K.Burnett, W. de Gruyter, Berlin, New York, 409.

Düren, R., Hasselbrink, E., Milošević, S., Pichler, G., Tischer, H.: 1983, in Spectral Line Shapes II, ed. K.Burnett, W. de Gruyter, Berlin, New York, 461.

237. Istrefi, L.: 1982, Stark broadening of spectral lines in some N II multiplets, XI SPIG, Dubrovnik, 295.

238. Istrefi, L.: 1982, Some reports for Ar II lines broadening in plasma, VI ESCAMPIG, Oxford, W 119.

239. Konjević, N.: 1982, Stark broadening of non hydrogenic atom and ion lines in plasmas (An overview of experimental data), in Phys.Ioniz.Gases, Invited Lectures, Review Reports and Progress Reports of SPIG-82, ed. G.Pichler, Institute of Physics of the University, Zagreb, 417.

240. Konjević, N.: 1982, Stark broadening of non-hydrogenic atom and Ion lines in plasmas (An overview of experimental data 1976-1981), XI SPIG, Dubrovnik, 212.
241. Kobilarov, R., Konjević, N.: 1982, Stark line widths within Ar II 4p-4d (doublets) supermultiplet, VI ICSLS, Boulder, 3.
242. Konjević, N., Kobilarov, R.: 1982, On the influence of Debye shielding on electron impact widths within Stark broadened multiplet, XI SPIG, Dubrovnik, 285.  
1985  
Dimitrijević, M.S., Truong Bach: 1985, Collisions et Rayonnement, Orleans, p 23.
243. Lakićević, I.S.: 1982, Regularities and Systematic trends in the Stark broadening and shift parameters of spectral lines in plasma, In Phys. Ioniz. Gases, Invited Lectures, Review Reports and Progress Reports of SPIG-82, ed. G. Pichler, Institute of Physics of the University, Zagreb, 483.  
1984  
Dimitrijević, M.S., Konjević, N.: 1984, Z. Naturforsch., 39a, 55.  
Rathore, B.A., Lakićević, I.S., Čuk, M., Purić, J.: 1984, VII ICSLS, Aussois, A4.  
1985  
Rathore, B.A., Lakićević, I.S., Čuk, M., Purić, J.: 1985, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 1985, 43.
244. Lakićević, I.S.: 1982, Regularnosti i sistematski trendovi Stark-ovih parametara spektralnih linija u plazmi, Doktorska disertacija, Beograd, PMF.  
1982  
Lakićević, I.S.: 1982, In Phys. Ioniz. Gases, ed. G. Pichler, Zagreb, 483.  
Lakićević, I.S.: 1982, XI SPIG, Dubrovnik, 219.  
Lakićević, I.S., Purić, J.: XI SPIG, Dubrovnik, 289.  
Purić, J., Lakićević, I.S.: 1982, VI ICSLS, Boulder, 5.

Rathore, B.A.: 1982, Doctoral thesis, Beograd, PMF.

Rathore, B.A., Lakićević, I.S., Purić, J., Čuk, M.: 1982, XI SPIG,  
Dubrovnik, 299.

### 1983

Lakićević, I.S.: 1983, *Astron.Astrophys.*, 127, 37.

Lakićević, I.S., Purić, J.: 1983, *J.Phys. B*, 16, 1525.

Lakićević, I.S., Purić, J.: 1983, In *Spectral Line Shapes II*, ed. K.Burnett,  
W. de Gruyter, Berlin, New York, 147.

Lakićević, I.S., Rathore, B.A., Čuk, M., Purić, J.: 1983, XVI ICPIG,  
Düsseldorf, 624.

Purić, J., Lakićević, I.S.: 1983, In *Spectral Line Shapes II*, ed. K.Burnett,  
W. de Gruyter, Berlin, New York, 147.

Purić, J., Lakićević, I.S., Rathore, B.A., Čuk, M.: 1983, XVI ICPIG,  
Düsseldorf, 626.

### 1985

Lakićević, I.S.: 1985, *Astron.Astrophys.*, 151, 457.

Purić, J., Čuk, M., Lakićević, I.S.: 1985, *Phys.Rev. A*, 32, 11106.

245. Lakićević, I.S.: 1982, Regularities and Systematic trends in the Stark broadening  
and shift parameters of spectral lines in plasma, XI SPIG, Dubrovnik, 219.

246. Lakićević, I.S., Purić, J.: 1982, On the Stark broadening and shift regularities,  
VI ICSLS, Boulder, 24.

### 1983

Lakićević, I.S.: 1983, *Astron.Astrophys.*, 127, 37.

247. Lakićević, I.S., Purić, J.: 1982, Stark shift trends in homologous ions, XI SPIG,  
Dubrovnik, 289.

1982

Rathore,B.A.: 1982, Doctoral thesis, Beograd, PMF.

1983

Lakićević,I.S.: 1983, Astron.Astrophys., 127, 37.

248. Lakićević,I.S., Purić,J., Čuk,M.: 1982, Stark width and shift of Cs I 852.111 nm resonance line, Phys. Lett., 91A, 119.
249. Manola,S., Ríchou,J., Lesage,A.: 1982, Experimental Stark width of  $\lambda$  5419 Å Xe II line, XI SPIG, Dubrovnik, 293.
250. Milošević,S., Pichler,G., Veža,D.: 1982, Absorption wing profiles of the first two resonance doublets of potassium perturbed by argon, XI SPIG, Dubrovnik, 113.
251. Pichler,G., Milošević,S., Veža,D.: 1982, Diffuse bands in absorption spectra of the dense lithium, sodium and potassium vapors, XI SPIG, Dubrovnik, 121.
252. Pichler,G., Milošević,S., Veža,D.: 1982, Peculiar Diffuse bands in  $\text{Li}_2$  and  $\text{K}_2$  Spectra, VI ICSLS, Boulder, 84.
253. Purić,J., Lakićević,I.S.: 1982, Periodic dependence of Stark width and shift on nuclear charge number, Phys.Lett., 91A, 345.

1982

Rathore,B.A.: 1982, Doctoral thesis, Beograd, PMF.

1984

Dimitrijević,M.S., Konjević,N.: 1984, Z.Naturforsch., 39a, 553.

254. Purić,J., Lakićević,I.S., Rathore,B.A., Čuk,M.: 1982, Stark width and shift of copper and silver resonance lines, XI SPIG, Dubrovnik, 303.

1982

Rathore,B.A.: 1982, Doctoral thesis, Beograd, PMF.

1983

Lakićević,I.S.: 1983, Astron.Astrophys., 127, 37.

255. Purić, J., Rathore, B.A., Lakićević, I.S., Ćuk, M., Cekić, M.: 1982, Stark shifts of neon spectral lines, XI SPIG, Dubrovnik, 307.
- 1982
- Rathore, B.A.: 1982, Doctoral thesis, Beograd, PMF.
256. Purić, J., Lakićević, I.S.: 1982, Stark widths and shifts of IV and V groups of homologous ions, VI ICSLS, Boulder, 5.
257. Purić, J., Lesage, A., Lakićević, I.S., Rathore, B.A.: 1982, Experimental Stark widths and shifts for Si II lines obtained in an electromagnetic shock tube, VI ICSLS, Boulder, 11.
- 1983
- Lakićević, I.S.: 1983, *Astron. Astrophys.*, 127, 37.
258. Rathore, B.A.: 1982, Study of Stark widths and shifts of some spectral lines of Ne I, Si I, Si II, Cr II, Co I, Ni I, Cu I, Zn I, Pd I, Ag I, In I, In II, and Hg I in Plasmas, Doctoral thesis, Beograd, PMF.
- 1983
- Lakićević, I.S., Rathore, B.A., Ćuk, M., Purić, J.: 1983, XVI ICPIG, Düsseldorf, 624.
- Lesage, A., Rathore, B.A., Lakićević, I.S., Purić, J.: 1983, *Phys. Rev. A*, 28, 2264.
- Purić, J., Lakićević, I.S., Rathore, B.A., Ćuk, M.: 1983, XVI ICPIG, Düsseldorf, 626.
- 1984
- Rathore, B.A., Lakićević, I.S., Ćuk, M., Purić, J.: VII ICSLS, Aussois, A4.
- 1985
- Purić, J., Ćuk, M., Lakićević, I.S.: 1985, XVII ICPIG, Budapest, 1030.
- Rathore, B.A., Lakićević, I.S., Ćuk, M., Purić, J.: 1985, in *Spectral Line Shapes III*, ed. F. Rostas, W. de Gruyter, Berlin, New York, 43.

259. Rathore, B.A., Lakićević, I.S., Purić, J., Čuk, M.: 1982, Stark widths and shifts of In I and In II spectral lines, XI SPIG, Dubrovnik, 299.
- 1982  
Rathore, B.A.: Doctoral thesis, Beograd, PMF.
- 1983  
Lakićević, I.S.: 1983, *Astron. Astrophys.*, 127, 377.
260. Vadle, Č., Beuč, R., Movre, M.: 1983, Broadening of the first potassium resonance lines by rubidium in the impact region, VI ICSLS, Boulder, 49.
261. Veža, D., Milošević, S., Pichler, G.: 1982, Observations of the triplet satellite band in the dense lithium vapor, XI SPIG, Dubrovnik, 315.
262. Veža, D., Milošević, S., Pichler, G.: 1982, Triplet satellite in very far blue wing of the self-broadened lithium D-line, VI ICSLS, Boulder, 47.
263. Veža, D., Milošević, S., Pichler, G.: 1982, Triplet satellite band in the very far blue wing of the self broadened lithium resonance line, *Chem. Phys. Lett.*, 93, 401.
- 1982  
Veža, D., Milošević, S., Pichler, G.: 1982, XI SPIG, Dubrovnik, 315.
- Goly, A., Rakotoarijimy, D., Weniger, S.: 1983, Experimental Stark parameters for some lines of neutral carbon, oxygen, and sulfur, *JQSRT*, 30, 417.
- Jones, D.W., Musloj, K., Wiese, W.L.: 1983, Stark widths and shifts for some Ar I 4s-4p transitions, in *Spectral Line Shapes II*, ed. K. Burnett, W. de Gruyter, Berlin, New York, 125.
- Kobilarov, R.: 1983, Magistrski rad, Beograd, PMF.
- Konjević, N.: 1982, in *Phys. Ioniz. Gases*, ed. G. Pichler, Zagreb, 417.
- Konjević, N., Kobilarov, R.: 1982, XI SPIG, Dubrovnik, 285.
- Pathore, B.A.: 1982, Doctoral thesis, Beograd, PMF.



Richot,J., Manola,S., Lesage,A., Abadie,D., Miller,M.H.: 1983, VII ERMA, Florence, 227.

**1984**

Dimitrijević,M.S., Sahal-Bréchet,S.: 1984, *Astron.Astrophys.*, **136**, 289.

Dimitrijević,M.S., Sahal-Bréchet,S.: 1984, *JQSRT*, **31**, 301.

Dimitrijević,M.S., Sahal-Bréchet,S.: 1984, VII ICSLS, Aussois, A 110.

**1984**

Milošević,S.: 1984, Magistarski rad, Zagreb, Sveučilište.

**1985**

Johnson,D.E., Eden,J.G.: 1985, Continua in the visible absorption spectrum of  $K_2$ , *J.Opt.Soc. B*, **2**, 727.

Veža,D.: 1985, Disertacija, Zagreb, Sveučilište.

Wiese,W.L., Konjević,N.: 1982, Regularities and similarities in plasma broadened spectral line widths (Stark widths), *JQSRT*, **28**, 185.

**1982**

Čelebonović,V.: 1982, Diplomski rad, Beograd, PMF.

Jones,D.W., Musiol,K., Wiese,W.L.: 1982, Regularities of Stark widths and shifts in an Ar I transition arrays, in *Phys.Ioniz.Gases*, ed. G.Pichler, Zagreb, 417.

Kobilarov,R., Konjević,N.: 1982, VI ICSLS, Boulder, 3.

Konjević,N.: 1982, in *Phys.Ioniz.Gases*, ed. G.Pichler, Zagreb, 417.

Konjević,N., Kobilarov,R.: 1982, XI SPIG, Dubrovnik, 285.

Rathore,B.A.: 1982, Doctoral thesis, Beograd, PMF.

**1983**

Dimitrijević,M.S., Sahal-Bréchet,S.: 1983, in *Spectral Line Shapes II*, ed. K.Burnett, W. de Gruyter, Berlin, New York, 103.

Hohimer,J.P.: 1984, Stark broadening of potassium ns-np and nd-4p lines in a wall-stabilized arc, *Phys.Rev. A*, **30**, 1449.

- Kobiljarov, R., Manola, S., Konjević, N., Popović, M.V.: 1984, XII SPIG, Šibenik, 515.
- Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, J.Phys.Chem.Ref.Data, 13, 649.
- Konjević, N., Pittman, T.: 1984, VII ICSSL5, Aussols, A 8.
- Konjević, N., Pittman, T.: 1984, XII SPIG, Šibenik, 450.
- Purić, J., Čuk, M., Lakićević, I.S.: 1984, VII ICSSL5, Aussols, A 3.
- Richou, J., Manola, S., Lebrun, J.L., Lesage, A.: 1984, Phys.Rev. A, 29, 3181.
- 1985
- Dimitrijević, M.S., Konjević, N.: 1985, XVII ICPIG, Budapest, 978.
- Dimitrijević, M.S., Sahal-Bréchet, S.: 1985, in Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 53.
- Dimitrijević, M.S., Sahal-Bréchet, S.: 1985, JQSRT, 34, 149.
- Helbig, V.: 1985, Good news-bad news? Stark broadening at moderate electron densities, in Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 3.
- Konjević, N.: 1985, Phys.Rev. A, 32, 637.
- Konjević, N., Pittman, T.: 1985, in Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 51.
- Miller, M.H., Abadie, D., Lesage, A.: 1985, Experimental Phosphorus and Sulfur Stark widths and systematic broadening trends for third-row ions, Astrophys.J., 291, 219.
- Purić, J., Čuk, M., Lakićević, I.S.: 1985, in Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 51.

1983

265. Dimitrijević, M.S.: 1983, Stark broadening of Si II and Si III spectral lines, *Astron. Astrophys.*, 127, 68.
266. Dimitrijević, M., Cornille, M., Dubau, J., Feautrier, N., Sahal, S.: 1983, Diagnostic spectroscopique des plasmas denses: Contribution des resonances d'autoionisation a l'élargissement Stark des raies émises par des ions, *Collisions et Rayonnement*, Orleans, P 27.
267. Dimitrijević, M.S., Feautrier, N., Sahal-Bréchet, S.: 1983, Influence of different collisional processes on the Stark broadening, *Fizika*, 15, 205.
268. Dimitrijević, M.S., Konjević, N.: 1983, Stark broadening of isolated spectral lines of heavy elements in plasmas, *JQSRT*, 30, 45.

1983

- Konjević, N., Dimitrijević, M.S.: 1983, In *Spectral Line Shapes II*, ed. K. Burnett, W. de Gruyter, Berlin, New York, 137.

1984

- Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, *J. Phys. Chem. Ref. Data*, 13, 619.

1985

- Dimitrijević, M.S.: 1985, *Astron. Astrophys.*, 145, 439.
- Konjević, N.: 1985, *Phys. Rev. A*, 32, 673.
- Konjević, R., Platiša, M., Konjević, N.: 1985, VII ICSSL, Aussois, A 12.
- Konjević, R., Platiša, M., Konjević, N.: 1985, in *Spectral Line Shapes III*, ed. F. Rostas, W. de Gruyter, Berlin, New York, 57.
- Musioł, K., Pokrzywka, B., Labuz, S.: 1985, Measurements of Stark widths of Ge I lines, XVII ICPIG, Budapest, 1025.
- Salakhov, M.K., Sarandaev, E.V., Fishman, I.S.: 1985, Parametry Shtarkovskogo ushireniya nejtralnogo i odnokratno ionizovannogo svinca, *Opt. Spektrosk.*; 59, 200.

269. Dimitrijević, M.S., Mihajlov, A.A.: 1983, Istraživanje oblika kalijumovih linija u pražnjenjima srednjeg i visokog pritiska, 25 ETAN In Marine, Zadar, 530.
270. Dimitrijević, M.S., Sahal-Bréchet, S.: 1983, Elargissement des raies spectrales par collisions avec les électrons et les protons: formule asymptotique de la largeur lorsque le nombre quantique principal augmente, Collisions et Rayonnement, Orleans, P 25.
271. Dimitrijević, M.S., Sahal-Bréchet, S.: 1983, L'Elargissement Stark des raies de l'hélium neutre, Collisions et Rayonnement, Orleans, P 26.
- 1983  
Dimitrijević, M.S., Sahal-Bréchet, S.: 1983, Collisions et Rayonnement, Orleans, P 25.
272. Dimitrijević, M.S., Sahal-Bréchet, S.: 1983, Semiclassical calculation of He I Stark broadening parameters, XVI ICPIG, Düsseldorf, 630.
- 1983  
Dimitrijević, M.S., Sahal-Bréchet, S.: 1983, XVI ICPIG, Düsseldorf, 628.
273. Dimitrijević, M.S., Sahal-Bréchet, S.: 1983, Approximative electron - and proton-impact line widths within a spectral series, XVI ICPIG, Düsseldorf, 628.
- 1984  
Cattani, M.: 1984, Quantum mechanical electron-impact widths and shifts of isolated lines of neutral atoms and ions, IV Japan-Brazil Symposium on Science and Technology, Vol. III, Academia de Ciências do Estado do S.Paulo, 216.
274. Dimitrijević, M.S., Sahal-Bréchet, S.: 1983, Stark broadening parameters for He I infrared lines, in Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 1103.

275. Düren,R., Hasselbrink,E., Milošević,S., Pichler,G., Fischer,H.: 1983, On the  $^2\Sigma$ -potentials for the interaction of K(4p) and (5p) with argon, in Spectral Line Shapes II, ed. K.Burnett, W. de Gruyter, Berlin, New York, 461.
276. Kobilarov,R.: 1983, Štarkovo širenje spektralnih linija supermultipleta  $np-nd$  (dubleti) jednostruko jonizovanog argona i ksenona u plazmi, Magistarski rad, Beograd, PMF.
277. Konjević,N., Dimitrijević,M.S.: 1983, On the Stark broadening of non-hydrogenic lines of heavy elements in plasmas, in Spectral Line Shapes II, ed. K.Burnett, W. de Gruyter, Berlin, New York, 137.
- 1984  
Konjević,R., Platiša,M., Konjević,N.: 1984, XII SPIG, Šibenik, 446.
- 1985  
Konjević,N.: 1985, Phys.Rev. A, 32, 637.
278. Lakićević,I.S.: 1983, Estimated Stark widths and shifts of neutral atom and singly charged ion resonance lines, Astron.Astrophys., 127, 37.
- 1982  
Lakićević,I.S.: 1982, in Phys.Ioniz.Gases, ed. G.Pichler, Zagreb, 483.  
Lakićević,I.S., Purić,J.: 1982, in Spectral Line Shapes II, ed. K.Burnett, W. de Gruyter, Berlin, New York, 147.
- 1985  
Dimitrijević,M.S.: 1985, Astron.Astrophys., 145, 439.  
Lakićević,I.S.: 1985, Astron.Astrophys., 151, 457.
279. Lakićević,I.S., Purić,J.: 1983, On the Stark broadening and shift regularities, in Spectral Line Shapes II, ed. K.Burnett, W. de Gruyter, Berlin, New York, 147.
- 1983  
Lakićević,I.S., Purić,J.: 1983, J.Phys. B, 16, 1525.

**1984**

Dimitrijević, M.S., Konjević, N.: 1984, *Z.Naturforsch.*, **39a**, 553.

**1985**

Dimitrijević, M.S.: 1985, *Astron.Astrophys.*, **145**, 439.

Helbig, V.: 1985, Good news-bad news? Stark broadening at moderate electron densities, in *Spectral Line Shapes III*, ed. F.Rostas, W. de Gruyter, Berlin, New York, 3.

Lakićević, I.S.: 1985, *Astron.Astrophys.*, **151**, 457.

Miller, M.H., Abadie, D., Lesage, A.: 1985, Experimental phosphorus and sulfur Stark widths and Systematic broadening trends for third-row ions, *Astrophys.J.*, **291**, 219.

Purić, J., Ćuk, M., Lakićević, I.S.: 1985, *Phys.Rev. A*, **32**, 1106.

Purić, J., Ćuk, M., Lakićević, I.S.: 1985, XVII ICPIG, Budapest, 1030.

280. Lakićević, I.S., Purić, J.: 1983, Stark shift trends in homologous ions, *J.Phys. B*, **16**, 1525.

**1982**

Lakićević, I.S., Purić, J.: 1982, XI SPIG, Dubrovnik, 289.

Rathore, B.A.: 1982, Doctoral thesis, Beograd, PMF.

**1985**

Kelleher, D.E., Cooper, J.: 1985, Shifts of ion lines in plasmas, in *Spectral Line Shapes III*, ed. F.Rostas, W. de Gruyter, Berlin, New York, 85.

281. Lakićević, I.S., Rathore, B.A., Ćuk, M., Purić, J.: 1983, Experimental Stark widths and shifts of Cr II lines, XVI ICPIG, Düsseldorf, 624.

282. Lesage, A., Rathore, B.A., Lakićević, I.S., Purić, J.: 1983, Stark widths and shifts of singly ionized silicon spectral lines, *Phys.Rev. A*, **28**, 2264.

**1982**

Lakićević, I.S.: 1982, In *Phys. Ioniz. Gases*, ed. G. Pichler, Zagreb, 483.

Purić, J., Lakićević, I.S., Rathore, B.A., Ćuk, M.: 1982, XI SPIG, Dubrovnik, 303.

Purić, J., Rathore, B.A., Lakićević, I.S., Ćuk, M., Cekić, M.: XI SPIG, Dubrovnik, 307.

Rathore, B.A., Lakićević, I.S., Purić, J., Ćuk, M.: 1982, XI SPIG, Dubrovnik, 299.

**1983**

Lakićević, I.S., Rathore, B.A., Ćuk, M., Purić, J.: 1983, XVI ICPIG, Düsseldorf, 624.

Purić, J., Lakićević, I.S.: 1983, in *Spectral Line Shapes*, ed. K. Burnett, W. de Gruyter, Berlin, New York, 161.

Purić, J., Lakićević, I.S., Rathore, B.A., Ćuk, M.: 1983, XVI ICPIG, Düsseldorf, 626.

**1984**

Miller, M.H., Abadie, D., Lesage, A.: 1984, Experimental Stark widths for P II, S II, Cl II and systematic broadening trends along periodic row, VII ICSLS, Aussois, A 5.

**1985**

Lakićević, I.S.: 1985, *Astron. Astrophys.*, 151, 457.

Miller, M.H., Abadie, D., Lesage, A.: 1985, Experimental phosphorus and sulfur Stark widths and systematic broadening trends for third-row ions, *Astrophys. J.*, 291, 219.

Miller, M.H., Abadie, D., Lesage, A.: 1985, Experimental Stark widths for phosphorus and sulfur Stark widths and systematic trends for third row ion line broadening, in *Spectral Line Shapes III*, ed. F. Rostas, W. de Gruyter, Berlin, New York, 45.

- Purić, J., Ćuk, M., Lakićević, I.S.: 1985, Phys.Rev. A, 32, 11106.
283. Pichler, G., Milošević, S., Veža, D., Bežić, R.: 1983, Diffuse bands in the visible absorption spectra of dense alkali vapors, J.Phys. B, 16, 4619.
- 1983
- Pichler, G., Milošević, S., Veža, D., Vukčević, D.: 1983, J.Phys. B, 16, 4633.
- 1984
- Milošević, S.: 1984, Magistarski rad, Zagreb, Sveučilište.
- Veža, D.: 1984, Disertacija, Zagreb, Sveučilište.
- 1985
- Huennekens, J., Wu, Z., Walker, T.G.: 1985, Ionization, excitation of high-lying atomic states and molecular fluorescence in Cs vapor excited at  $\lambda = 455.7$  and  $459.4$  nm, Phys.Rev. A, 31, 1196.
- Johnson, D.E., Eden, J.G.: 1985, Continua in the visible absorption spectrum of  $K_2$ , J.Opt.Soc. B, 2, 721.
- Konowalov, D.D., Milošević, S., Pichler, G.: 1985, On the shape of the yellow diffuse band of potassium, J.Molec. Spect., 1110, 256.
- Kowalczyk, P., Radzewic, C.: 1985, Triplet triplet excimer transitions in Sodium dimer, Acta Phys.Pol. A, L 67, 963.
- Li, L.J., Rice, S.F., Field, K.W.: 1985, The  $Na_2 a^3\Sigma^+$  state rotationally resolved OODK  $^3\Pi_y - a^3\Sigma^+$  fluorescence spectroscopy, J.Chem. Phys., 82, 11178.
284. Pichler, G., Milošević, S., Veža, D., Bosanac, S.: 1983, Peculiar diffuse bands in  $Li_2$ ,  $Na_2$  and  $K_2$  absorption spectra, in Spectral Line Shapes II, ed. K.Burnett, W. de Gruyter, Berlin, New York, 613.



**1983**

Düren, R., Hasselbrink, E., Milošević, S., Pichler, G., Tischer, H.: 1983, In Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 461.

Pichler, G., Milošević, S., Veža, D., Beuc, R.: 1983, J. Phys. B, **16**, 4619.

**1985**

Huenekens, J., Wu, Z., Walker, T.G.: 1985, Ionization excitation of high-lying atomic states and molecular fluorescence in Cs vapor excited at  $\lambda = 455.7$  and 459.4 nm, Phys. Rev. A, **31**, 196.

285. Pichler, G., Milošević, S., Veža, D., Vukčević, D.: 1983, Interference and diffuse continua in the  $Rb_2$  spectrum, J. Phys. B., **16**, 4633.

**1983**

Pichler, G., Milošević, S., Veža, D., Beuc, R.: 1983, J. Phys. B, **16**, 4619.

**1984**

Milošević, S.: 1984, Magistrski rad, Zagreb, Sveučilište.

Milošević, S., Vukčević, D., Veža, D., Pichler, G.: 1984, VII ICSSL, Aussois, F 9.

**1985**

Huenekens, J., Wu, Z., Walker, T.G.: 1985, Ionization, excitation of high-lying atomic states, and molecular fluorescence in Cs vapor excited at  $\lambda = 455.7$  and 459.4 nm, Phys. Rev. A, **31**, 196.

Johnson, D.E., Eden, J.G.: 1985, Continua in the visible absorption spectrum of  $K_2$ , J. Opt. Soc. B, **2**, 721.

286. Purić, J., Lakićević, I.S.: 1983, Stark widths and shifts of IV and V group homologous ions, in Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 1161.

#### 1985

Helbig, V.: 1985, Good news-bad news? Stark broadening at moderate electron densities, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 3.

Lakićević, I.S.: 1985, Astron. Astrophys., 151, 457.

287. Purić, J., Lakićević, I.S., Rathore, B.A., Ćuk, M.: 1983, Experimental Stark widths and shifts of Co I lines, XVI ICPIG, Düsseldorf, 626.

288. Purić, J., Lesage, A., Lakićević, I.S.: 1983, Stark width and shifts of singly ionized silicon spectral lines, in Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 175.

289. Richou, J., Manola, S., Lesage, A., Abadie, D., Miller, M.H.: 1983, Regularities in Stark broadened line width. The case of ns-np transitions for ionized rare gas, and mirror-image elements, VII European Regional Astronomy meeting, Florence, 227.

290. Richou, J., Manola, S., Lesage, A., Abadie, D., Miller, M.H.: 1983, Stark broadening parameter trends for ionized rare gas and mirror-image elements, XVI ICPIG, Düsseldorf, 632.

#### 1984

Richou, J., Manola, S., Lebrun, J.L., Lesage, A.: 1984, Phys. Rev. A, 29, 3181.

291. Vadle, Č., Beuc, R., Movre, M.: 1983, Broadening of the first potassium resonance lines by rubidium in the impact region, in Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 531.

292. Veža, D., Pichler, G.: 1983, Peculiar asymmetry in the wings of self broadened Li and Na 1st resonance lines, Opt. Commun., 45, 39.

#### 1985

Harnafi, M., Dubreuil, B.: 1985,  $\ell$ -changing collisions in the intermediate Rydberg states of lithium, Phys. Rev. A, 31, 1375.

293. Veža,D., Milošević,S., Pichler,G.: 1983, Triplet satellite band in the very far blue wing of the self broadened lithium resonance lines, Chem.Phys.Lett., 93, 401.

1982

Beuc,R., Milošević,S., Movre,M., Pichler,G., Veža,D.: Fizika, 14, 345.

Milošević,S., Pichler,G., Veža,D.: 1982, XI SPIG, Dubrovnik, 1113.

Veža,D., Milošević,S., Pichler,G.: 1982, XI SPIG, Dubrovnik, 315.

1983

Pichler,G., Milošević,S., Veža,D., Beuc,R.: 1983, J.Phys. B, 16, 4619.

1984

Veža,D., Pichler,G.: 1984, VII ICSSL5, Aussois, F 111.

1985

Veža,D., Pichler,G.: 1985, in Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 667.

294. Veža,D., Milošević,S., Pichler,G.: 1983, Triplet satellite in very far blue wing of the self-broadened lithium, in Spectral Line Shapes II, ed. K.Burnett, W. de Gruyter, Berlin, New York, 679.

295. Vujmović,V., Vadla,Č., Lokner,V., Dimitrijević,M.S.: 1983, Half-widths of neutral fluorine spectral lines, Astron.Astrophys., 123, 249.

1984

296. Beuc,R., Milošević,S., Pichler,G.: 1984, New diffuse bands in the KRb molecule, J.Phys. B, 17, 739.

1984

Milošević,S.: 1984, Magistrski rad, Zagreb, Sveučilište.

1985

Movre,M., Beuc,R.: 1985, Phys.Rev. A, 31, 2957.

297. Beuc,R., Movre,M., Vadle,Č.: 1984, The important broadening of the 11st potassium resonance lines by rubidium atoms, J.Phys. B., 17, 1845.
298. Bezuglov,N.N., Klyucharev,A.N., Pichler,G.: 1984, Sovmestnoe proyavlenie effektov tusheniya spektral'nikh liniy v nekotorykh zadachakh perenosa izlucheniya, In Foto procesy возбуждениya i jonizacii, LGU, Leningrad, 52.
299. Dimitrijević,M.S., Sahal-Bréchet,S.: 1984, Stark broadening of neutral helium lines, JQSRT, 31, 301.
- 1984  
Dimitrijević,M.S., Sahal-Bréchet,S.: 1984, VII ICSSL, Aussois, A.10.
- 1985  
Dimitrijević,M.S., Sahal-Bréchet,S.: 1985, in Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 53.
300. Dimitrijević,M.S.: 1984, The trajectory effect and broadening of neutral atom lines, XII SPIG, Šibenik, 465.
301. Dimitrijević,M.S.: 1984, The trajectory effect in calculations of collisions of the phase shift for binary collisions and broadening of neutral atom lines, J.Phys. B, 17, L 283.
- 1984  
Dimitrijević,M.S.: 1984, XII SPIG, Šibenik, 465.
302. Dimitrijević,M.S.: 1984, Electron impact line widths of the resonance lines of Be-line ions, Astron.Astrophys., 131, 327.
303. Dimitrijević,M.S., Konjević,N.: 1984, On the Dependence of Stark Widths and Shift on the Ionization Potential, Z.Naturforsch., 39a, 553.
- 1985  
Dimitrijević,M.S.; 1985, Astron.Astrophys., 145, 439.
- Miller,M.H., Abadie,D., Lessage,A.: 1985, Experimental phosphorus and sulfur Stark widths and systematic broadening trends for third-row ions, Astrophys. J., 291, 219.

304. Dimitrijević, M., Konjević, N.: 1984, O Shtarkovskom ushirenii linij nejtral'nykh atomov rubidiya, kadmiya i cinka, in *Fotoprocesy возбужденија i jonizacii*, LGU, Leningrad, 47.

305. Dimitrijević, M., Konjević, N.: 1984, Elektronnoe ushirenie spektral'nykh linij jonizirovannykh atomov, in *Fotoprocesy возбужденија i jonizacii*, LGU, Leningrad, 41.

306. Dimitrijević, M.S., Sahal-Bréchet, S.: 1984, Stark broadening of neutral helium lines, *JQSRT*, **31**, 301.

#### 1983

Dimitrijević, M.S., Sahal-Bréchet, S.: 1983, XVI ICPIG, Düsseldorf, 360.

Dimitrijević, M.S., Sahal-Bréchet, S.: 1983, *Collisions et Rayonnement*, Orleans, P. 25.

#### 1984

Dimitrijević, M.S., Sahal-Bréchet, S.: 1984, *Astron. Astrophys.*, **136**, 289.

Pittman, T.P., Konjević, N.: 1984, VII ICSLS, Aussois, A. 9.

#### 1985

Dimitrijević, M.S., Sahal-Bréchet, S.: 1985, XVII ICPIG, Budapest, 978.

Dimitrijević, M.S., Sahal-Bréchet, S.: 1985, *Phys. Rev. A*, **31**, 316.

Dimitrijević, M.S., Sahal-Bréchet, S.: 1985, *JQSRT*, **34**, 149.

Dimitrijević, M.S., Sahal-Bréchet, S.: 1985, *Collisions et Rayonnement*, Orleans, P. 22.

Pittman, T.P., Konjević, N.: 1985, in *Spectral Line Shapes III*, ed. F. Rostas, W. de Cruyter, Berlin, New York, 71.

Uzelac, N.I.: 1985, Magistarski rad, Beograd ETF.

Vince, I., Dimitrijević, M.S., Kršljanin, V.: 1985, in *Progress in Stellar Spectral Line Formation Theory*, eds. J.E. Beckman, L. Crivellari, D. Reidel, P.D., 373.

307. Dimitrijević, M.S., Sahal-Bréchet, S.: 1984, Stark broadening of neutral helium lines of astrophysical interest: Regularities within spectral series, *Astron. Astrophys.*, **136**, 289.
- 1985
- Dimitrijević, M.S., Sahal-Bréchet, S.: 1985, XVII ICPIG, Budapest, 978.
- Dimitrijević, M.S., Sahal-Bréchet, S.: 1985, *JQSRT*, **34**, 149.
- Vince, I., Dimitrijević, M.S., Kršljanin, V.: 1985, in *Progress in Stellar Spectral Line Formation Theory*, eds. J.E. Beckman, L. Crivellari, D. Reidel P.D., 373.
308. Dimitrijević, M.S., Sahal-Bréchet, S.: 1984, Stark broadening of He I lines of astrophysical interest: Regularities within spectral series and influence of Debye shielding, VII ICSLS, Aussois, A 10.
309. Kobilarov, R., Mandla, S., Konjević, N., Popović, M.V.: 1984, Dense, reproducible Z-pinch suitable for Stark broadening studies of spectral lines of multiply ionized atoms, XII SPIG, Šibenik, 515.
310. Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, Experimental Stark Widths and Shifts for Spectral Lines of Neutral Atoms (A Critical Review of Selected Data for the Period 1976 to 1982), *J. Phys. Chem. Ref. Data*, **13**, 619.
- 1982
- Konjević, N.: 1982, in *Phys. Ioniz. Cases*, ed. G. Pichler, Zagreb, 417.
- 1984
- Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, *J. Phys. Chem. Ref. Data*, **13**, 649.
- Konjević, R., Platiša, M., Konjević, N.: 1984, XII SPIG, Šibenik, 446.
- Konjević, R., Platiša, M., Konjević, N.: 1984, VII ICSLS, Aussois, A 12.

**1985**

Dimitrijević, M.S., Sahal-Bréchet, S.: 1985, Phys.Rev. A, **31**, 316.

Konjević, N.: 1985, Phys.Rev. A, **32**, 637.

Konjević, R., Platiša, M., Konjević, N.: 1985, In Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 57.

Uzelac, N.I.: 1985, Magistarski rad, Beograd, ETF.

11. Konjević, N., Dimitrijević, M.S., Wiese, W.L.: 1984, Experimental Stark Widths and Shifts for Spectral Lines of Positive Ions (A Critical Review and Tabulation of Selected Data for the Period 1976 to 1982), J.Phys.Chem.Ref. Data, **13**, 649.

**1982**

Dimitrijević, M.S.: 1982, In Phys.Ioniz. Gases, ed. G.Pichler, Zagreb, 397.

Konjević, N.: 1982, In Phys.Ioniz. Gases, ed. G.Pichler, Zagreb, 417.

**1984**

Kobliarov, R., Manola, S., Konjević, N., Popović, M.V.: 1984, XII SPIG, Šibenik, 515.

**1985**

Dimitrijević, M.S., Truong Bach: 1985, Collisions et Rayonnement, Orleans, P 23.

Kelleher, D.E., Cooper, J.: 1985, Shifts of Ion Lines in plasmas, In Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 85.

12. Konjević, N., Pittman, T.: 1984, Electron Impact broadening of spectral lines of doubly ionized noble gases, multiplets  $ns^3S^0-np^3P$ , XII SPIG, Šibenik, 450.

**1985**

Purić, J., Čuk, M., Lakićević, I.S.: 1985, XVII ICPIG, Budapest, 11030.

313. Konjević, N., Pittman, T.: 1984, Electron impact broadening of spectral lines of singly ionized noble gases, multiplets  $np^2P^0$ - $nd^2D$ , VII ICSLS, Aussois, A 8.
314. Konjević, R., Platiša, M., Konjević, N.: 1984, Stark broadening of Br I red lines, XII SPIG, Šibenik, 446.
315. Konjević, R., Platiša, M., Konjević, N.: 1984, Stark broadening of Br I lines, VII ICSLS, Aussois, A 12.
316. Milošević, S.: 1984, Difuzne vrpce u vidljivom spektru gustih alkaljskih para, Magistarski rad, Zagreb, Sveučilište.
317. Milošević, S., Pichler, G.: 1984, Observation of the sodium diffuse band by D line wing excitation, VII ICSLS, Aussois, F 8.
318. Milošević, S., Vukičević, D., Veža, D., Pichler, G.: 1984, Interference structured continuum in Rubidium dimer spectrum, VII ICSLS, Aussois, F 9.
319. Movre, M.: 1984, Satelity v dalekikh krylyakh rezonansnykh liniy atomov shelochnykh metalov. In Fotoprocesy возбуждения i jonizacii, LGU, Leningrad, 49.
320. Pichler, G., Bahns, J.T., Stwalley, W.C.: 1984, Study of the shape of the lithium diffuse band by single and double photon excitation, VII ICSLS, Aussois, F 10.
- 1984**
- Milošević, S.: 1984, Magistarski rad, Zagreb, Sveučilište.
321. Pichler, G., Milošević, S., Veža, D., Bosanac, S.: 1984, Diffuzniye polosy v spektre zlucheniya shelochnykh metalov, In Fotoprocesy возбуждения i jonizacii, LGU, Leningrad, 26.
322. Pichler, G., Milošević, S., Veža, D., Konowalov, D.D.: 1984, Observation and interpretation of the  $Li_2$  diffuse band in the region of 420 nm, Chem. Phys. Lett., 103, 352.



1984

Konowalov, D.D., Regan, R.M., Rosenkrantz, M.E.: 1984, The most likely potential energy curve for the lowest  $\Sigma_u^+$  state of  $Li_2$ , J.Chem. Phys., **81**, 4534.

Milošević, S., Vukičević, D., Veža, D., Pichler, G.: 1984, VII ICSLS, Aussois, F 9.

1985

Johnson, D.E., Eden, J.G.: 1985, Continua in the visible absorption spectrum of  $K_2$ , J.Opt.Soc. B, **2**, 721.

Konowalov, D.D., Milošević, S., Pichler, G.: 1985, On the shape of the yellow diffuse band of potassium, J.Molec.Spect., **110**, 256.

Milošević, S., Vukičević, D., Veža, D., Pichler, G.: 1985, In Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 657.

Veža, D.: 1985, Disertacija, Zagreb, Sveučilište.

323. Pittman, T., Konjević, N.: 1984, Width and Shift measurements of spectral lines of He I in a proton gas, VII ICSLS, Aussois, A 9.

324. Purić, J., Čuk, M., Cekić, M., Rathore, B.A., Lakićević, I.S.: 1984, Stark widths and shifts of Ne I lines, VII ICSLS, Aussois, A 2.

325. Purić, J., Čuk, M., Lakićević, I.S.: 1984, Stark parameters dependence on the upper level ionization potential, VII ICSLS, Aussois, A 3.

326. Rathore, B.A., Lakićević, I.S., Čuk, M., Purić, J.: 1984, Experimental verification of some Stark width and shift trends, VII ICSLS, Aussois, A 4.

327. Richou, J., Manola, S., Lebrun, J.L., Lesage, A.: 1984, Stark-broadening measurements of singly ionized xenon, Phys.Rev. A, **29**, 3181.

328. Vadla, Č.: 1984, Asymmetriya krasnogo krila rezonansnykh linij natriya, ushirenykh cezlem, rubidom i kalijem, in Fotoprocesy возбужденија i jonizacij, LGU, Leningrad, 35.

329. Vadla,Č., Niemax,K.: 1984, The Far-wing broadening of the Na D Lines by K, Rb. and Cs and the Electrostatic Interaction Potentials of the Na, K, NaRb and NaCs Molecules, Z.Phys. A, 315, 263.
330. Veža,D., Milošević,S., Pichler,G.: 1984, Nabljudenie triplet-tripletnih perekhodov v plotnykh parakh litija, In Fotoprocesy, возбuzhdeniya i jonizacii, LGU, Leningrad, 32.
331. Veža,D., Pichler,G.: 1984, The Shape of alkali triplet satellite bands, VII ICSSL, Aussois, F III.
332. Vince,I., Dimitrijević,M.S., Kršljanin,V.: 1984, Collision broadening and solar limb effect: Na I  $3p^2P^0 - ns^2S$  lines, VII ICSSL, Aussois, F 4.
333. Vujičić,B.T.: 1984, Spektroskopska studija linija sa zabranjenim komponentama u laserski proizvedenoj plazmi helijuma, Doktorska disertacija, Beograd, PMF.  
1984  
Vujičić,B.T.; Ćirković,L.J.M.: 1984, VII ICSSL, Aussois, A II.  
1985  
Vujičić,B.T., Ćirković,L.J.M.: 1985, In Spectral Line Shapes III, ed. F.Rostas, Berlin, New York, 35.  
Vujičić,B.T.: 1985, in The Physics of ionized gases, eds. M.M.Popović, P.Krstić, (SPIG 84), World Scientific, Singapore, 747.
334. Vujičić,B.T., Ćirković,L.J.: 1984, Experimental investigations of broadening parameters of He I  $2^3P - 4^3D$ ,  $4^3F$ ,  $\lambda = 447.115$  nm line in a laser produced plasma, Fizika, 116, 201.  
1984  
Vujičić,B.T.: 1984, Doktorska disertacija, Beograd, PMF.  
1985  
Uzelac,N.I.: 1985, Magistarski rad, Beograd, ETF.

335. Vujičić, B.T., Ćirković, L.J.M.: 1984, Experimental study of weak forbidden components of the two He I spectral lines, VII ICSSL5, Aussols, A 11.
336. Vujnović, V.: 1984, Opređenje atomnih konstant v plazme razryada stabilizirovannogo stenkó], in Fotoprocesy, vozbuždheniya i jonizacii, LGU, Leningrad, 112.

#### 1985

337. Beuc, R.: 1985, Broadening of dipole forbidden S-D lines in homonuclear and heteronuclear alkali collisional systems, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 655.
338. Dimitrijević, M.: 1985, Astrophysical significance of Spectral line shapes investigation, Publ. Obs. Astron. Belgrade (Proc. VI Nat. Conf. Yug. Astronomers, Hvar 1983), 33, 111.
339. Dimitrijević, M.S.: 1985, Dependence of Stark Widths and shifts on the ionization potential:  $np^{k-1}(n+1)-np^k$  resonance transitions, Astron. Astrophys., 145, 439.
- 1985
- Dimitrijević, M.S., Sahal-Bréchet, S.: 1985, Collisions et Rayonnement, Orleans, P 22.
- Dimitrijević, M.S.: 1985, II ECAMP, Amsterdam, 206.
340. Dimitrijević, M.S.: Electron impact broadening dependence on the ionization potential:  $np^{k-1}(n+1)s-np^k$  resonance transitions, II ECAMP, Amsterdam, 206.
341. Dimitrijević, M.S., Konjević, N.: 1985, A simple formula for estimating Stark broadening parameters of neutral atom lines, Collisions et Rayonnement, Orleans, P 21.

342. Dimitrijević, M.S., Kršljanin, V.: 1985, Semiempirical Stark shifts of ion lines, XVII ICPIG, Budapest, 975.
343. Dimitrijević, M.S., Sahel-Bréchet, S.: 1985, Stark broadening of Na I lines: Regularities within a spectral series, XVII ICPIG, Budapest, 978.
344. Dimitrijević, M.S., Sahel-Bréchet, S.: 1985, Stark broadening of neutral sodium lines, JQSRT, 34, 1149.
- 1985  
Dimitrijević, M.S., Sahel-Bréchet, S.: 1985, XVII ICPIG, Budapest, 978.
345. Dimitrijević, M.S., Sahel-Bréchet, S.: 1985, Comparison of measured and calculated Stark broadening parameters for neutral-helium lines, Phys. Rev. A, 31, 316.
346. Dimitrijević, M.S., Sahel-Bréchet, S.: 1985, Stark broadening of He I lines of astrophysical interest: Regularities within spectral series and influence of Debye shielding, In Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 53.
347. Dimitrijević, M.S., Sahel-Bréchet, S.: 1985, L'élargissement Stark des raies du potassium neutre, Collisions et Rayonnement, Orleans, P 22.
348. Dimitrijević, M.S., Truong-Bach: 1985, Sur l'inégalité des largeurs Stark à l'intérieur d'un multiplet ou supermultiplet de l'argon II, Collisions et Rayonnement, Orleans, P 23.
349. Konjević, N.: 1985, Stark broadening of potassium lines, Phys. Rev. A, 32, 673.
- 1985  
Hohimer, J.P.: 1985, Reply to "Stark broadening of potassium lines", Phys. Rev. A, 32, 676.
350. Konjević, N., Pittman, T.: 1985, Electron impact broadening of spectral lines of singly ionized noble gases, multiplets,  $np^2P^0$ - $nd^2D$ , in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 51.

351. Konjević, N., Pittman, T.: 1985, Stark broadening of N II lines from states of high orbital angular momentum, XVII ICPIG, Budapest, 1010.
352. Konjević, N., Platiša, M., Konjević, N.: 1985, Stark broadening of Br I lines, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 57.
353. Lakićević, I. S.: 1985, Estimated Stark widths and shifts of some singly charged ion spectral lines, *Astron. Astrophys.*, 151, 457.
354. Milošević, S., Pichler, G.: 1985, Observation of the sodium diffuse bands by D line wing excitation, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 661.
355. Milošević, S., Vukićević, D., Veža, D., Pichler, G.: 1985, Interference structured continuum in Rubidium dimer spectrum, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 657.
356. Movre, M., Beuc, R.: 1985, Van der Waals interaction in excited alkali-metal dimers, *Phys. Rev. A*, 31, 2957.
357. Pichler, G., Bahns, J. T., Stwalley, W. C.: 1985, Study of the shape of the lithium diffuse band by single and double photon excitation, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 659.
- 1984**
- Milošević, S.: 1984, Magistarski rad, Zagreb, Sveučilište.
358. Pittman, T., Konjević, N.: 1985, Width and shift measurements of spectral lines of He I in a proton gas, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 71.
- 1985**
- Helbig, V.: 1985, Good news-bad news? Stark broadening at moderate electron densities, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 3.

359. Purić, J., Ćuk, M., Cekić, M., Rathore, B.A., Lakićević, I.S.: 1985, Stark widths and shifts of Ne I lines In Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 55.
360. Purić, J., Ćuk, M., Lakićević, I.S.: 1985, Stark parameters dependence on the upper level ionization potential, XVII ICPIG, Budapest, 11030.
361. Purić, J., Ćuk, M., Lakićević, I.S.: 1985, Stark parameter dependence on the upper level ionization potential, in Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 41.
- 1985
- Helbig, V.: 1985, Good news-bad news? Stark broadening at moderate electron densities, in Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 3.
362. Purić, J., Ćuk, M., Lakićević, I.S.: 1985, Regularities and systematic trends in the Stark broadening and shift parameters of spectral lines in plasma, Phys.Rev. A, 32, 11106.
363. Rathore, B.A., Lakićević, I.S., Ćuk, M., Purić, J.: 1985, Experimental verification of some Stark width and shift trends, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 43.
- 1985
- Helbig, V.: 1985, Good news-bad news? Stark broadening at moderate electron densities, in Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 3.
364. Uzelac, N.I.: 1985, Štarkovo širenje spektralnih linija neutralnog helijuma u plazmi, Magistarski rad, Beograd, ETF.
365. Vadla, Č., Njemax, K., Pichler, G.: 1985, Direct excitation of potassium diffuse band by single mode ring dye laser, in Spectral Line Shapes III, ed. F.Rostas, W. de Gruyter, Berlin, New York, 663.

366. Veža, D.: 1985, Tripletni sateliti u spektru homonuklearnih alkalijskih molekula, Disertacija, Zagreb, Sveučilište.
367. Veža, D., Pichler, G.: 1985, The shape of alkali triplet satellite bands, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 667.
368. Vince, I., Dimitrijević, M.S.: 1985, Influence of different line broadening mechanisms on the Limb-effect within Na I ( $4s^2S-np^2P^0$ ) series, Publ.Obs.Astron. Belgrade (proc. VI Nat.Conf. Yug. Astronomers, Hvar, 1983), 33, 15.
369. Vince, I., Dimitrijević, M.S., Kršljanin, V.: 1985, Collision broadening and solar limb effect: Na I  $3p^2P^0-n s^2S$  lines, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 649.
- 1985  
Dimitrijević, M.S., Sahal-Bréchet, S.: 1985, JQSRT, 34, 149.  
Vince, I., Dimitrijević, M.S., Kršljanin, V.: 1985, in Progress in Stellar Spectral Line Formation Theory, ed. J.E. Beckman, L. Crivellari, D. Reidel, P.C., 373.
370. Vince, I., Dimitrijević, M.S., Kršljanin, V.: 1985, Pressure broadening and solar limb effect, in Progress in Stellar Spectral Line Formation Theory, ed. J.E. Beckman and L. Crivellari, D. Reidel P.C., Dordrecht, Boston, Lancaster, 373.
371. Vujičić, B.T., Čirković, Lj.: 1985, Experimental Study of weak forbidden components of the two He I spectral lines, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 35.





#### 4. APPENDIX – PRILOG

##### 4.1. Articles with 20 or more citations – Članci koji su 20 ili više puta citirani

|   | No of citations<br>Br. citata |
|---|-------------------------------|
| 1. Konjević, N., Labat, J., Ćirković, Lj., Purić, J.: 1970, <i>Z. Physik</i> <b>235</b> , 35.                 | 36                            |
| 2. Konjević, N., Purić, J., Ćirković, Lj., Labat, J.: 1970, <i>J. Phys. B</i> <b>3</b> , 999                  | 26                            |
| 3. Konjević, N., Platiša, M., Purić, J.: 1981, <i>J. Phys. B</i> <b>4</b> , 1541                              | 35                            |
| 4. Platiša, M., Purić, J., Konjević, N., Labat, J.: 1971 <i>Astron. Astrophys.</i> <b>15</b> , 325.           | 20                            |
| 5. Purić, J., Platiša, M., Konjević, N.: 1971, <i>Z. Physik</i> <b>247</b> , 216                              | 31                            |
| 6. Purić, J., Konjević, N.: 1972, <i>Z. Physik</i> <b>249</b> , 440   | 36                            |
| 7. Hadžiomerspahić, D., Platiša, M., Konjević, N., Popović, M.: 1973, <i>Z. Physik</i> <b>262</b> , 169       | 32                            |
| 8. Purić, J., Djeniže, S., Labat, J., Ćirković, Lj.: 1974, <i>Z. Physik</i> <b>267</b> , 71                   | 30                            |
| 9. Niemax, K., Pichler, G.: 1975, <i>J. Phys. B</i> <b>8</b> , 179  | 34                            |
| 10. Platiša, M., Popović, M., Dimitrijević, M., Konjević, N.: 1975, <i>Z. Naturforsch. A</i> <b>30</b> , 212  | 27                            |
| 11. Platiša, M., Popović, M., Konjević, N.: 1975 <i>Astron. Astrophys.</i> <b>45</b> , 325                    | 33                            |
| 12. Popović, M.V., Platiša, M., Konjević, N.: 1975, <i>Astron. Astrophys.</i> <b>41</b> , 463                 | 36                            |
| 13. Konjević, N., Roberts, J.R.: 1976, <i>J. Phys. Chem. Ref. Data</i> <b>5</b> , 209                         | 91                            |
| 14. Konjević, N., Wiese, W.L.: 1976, <i>J. Phys. Chem. Ref. Data</i> <b>5</b> , 259                           | 88                            |
| 15. Movre, M., Pichler, G.: 1977, <i>J. Phys. B</i> <b>10</b> , 2631  | 36                            |
| 16. Platiša, M., Dimitrijević, M., Popović, M., Konjević, N.: 1977, <i>Astron. Astrophys.</i> <b>54</b> , 837 | 24                            |
| 17. Purić, J., Labat, J., Ćirković, Lj., Lakićević, I., Djeniže, S.: 1977, <i>J. Phys. B</i> <b>10</b> , 2375 | 37                            |
| 18. Purić, J., Dimitrijević, M.S., Lakićević, I.S.: 1978, <i>Phys. Lett. A</i> <b>67</b> , 189                | 24                            |
| 19. Dimitrijević, M.S., Konjević, N.: 1980, <i>JQSRT</i> <b>24</b> , 451                                      | 30                            |
| 20. Purić, J., Lakićević, I., Glavonjić, V.: 1980, <i>Phys. Lett.</i> <b>76A</b> , 128                        | 34                            |
| 21. Miller, M.H., Lesage, A., Purić, J.: 1980, <i>Astrophys. J.</i> <b>239</b> , 410                          | 22                            |
| 22. Movre, M., Pichler, G.: 1980, <i>J. Phys. B</i> <b>13</b> , 697   | 30                            |
| 23. Veža, D., Rukavina, J., Movre, M., Vujnović, V., Pichler, G.: 1980, <i>Opt. Commun.</i> <b>34</b> , 77    | 24                            |
| 24. Konjević, N., Dimitrijević, M.S.: 1981, in <i>Spectral Line Shapes</i> , W. de Gruyter, Berlin, New York  | 20                            |
| 25. Miller, M.H., Konjević, N.: 1981, <i>JQSRT</i> <b>23</b> , 185  | 22                            |

#### 4.2. Yugoslav research workers – Jugoslovenski istraživači

| Name<br>Ime         | First paper<br>Prvi članak | Last paper<br>Zadnji članak | No. of papers<br>Br. članaka |
|---------------------|----------------------------|-----------------------------|------------------------------|
| Acinger, K.         | 1970                       | 1972                        | 3                            |
| Beuc, R.            | 1980                       | 1985                        | 13                           |
| Bojović, V.         | 1971                       | 1971                        | 1                            |
| Bosanac, S.         | 1983                       | 1984                        | 2                            |
| Cekić, M.           | 1982                       | 1985                        | 3                            |
| Čelebonović, V.     | 1982                       | 1982                        | 1                            |
| Čerić, V.           | 1974                       | 1974                        | 2                            |
| Čirković, Lj.       | 1968                       | 1985                        | 31                           |
| Ćuk, M.             | 1980                       | 1985                        | 15                           |
| Dimitrijević, M.S.  | 1974                       | 1985                        | 92                           |
| Djenize, S.         | 1973                       | 1977                        | 11                           |
| Đurović, S.         | 1975                       | 1979                        | 2                            |
| Džimberg, V.        | 1981                       | 1981                        | 1                            |
| Glavonjić, V.       | 1978                       | 1981                        | 6                            |
| Grubor, D.          | 1973                       | 1981                        | 3                            |
| Grujić, P.          | 1970                       | 1979                        | 11                           |
| Hadžiomerspahić, D. | 1972                       | 1973                        | 3                            |
| Istrefi, L.         | 1981                       | 1982                        | 3                            |
| Kajzer, M.          | 1978                       | 1978                        | 1                            |
| Knežević, V.        | 1978                       | 1978                        | 1                            |
| Kobilarov, R.       | 1982                       | 1983                        | 3                            |
| Koković, M.         | 1975                       | 1975                        | 1                            |
| Koledin, D.         | 1979                       | 1979                        | 1                            |
| Konjević, N.        | 1969                       | 1985                        | 90                           |
| Konjević, R.        | 1985                       | 1985                        | 1                            |
| Kostić, B.          | 1977                       | 1977                        | 1                            |
| Kršljanin, V.       | 1984                       | 1985                        | 4                            |
| Labat, J.M.         | 1968                       | 1977                        | 26                           |
| Labat, O.           | 1980                       | 1981                        | 2                            |
| Lakićević, I.S.     | 1973                       | 1985                        | 53                           |
| Lokner, V.          | 1980                       | 1983                        | 2                            |
| Manola, S.          | 1982                       | 1984                        | 4                            |
| Marić, Z.           | 1976                       | 1976                        | 1                            |
| Marinković, M.D.    | 1964                       | 1964                        | 1                            |
| Vadla, Č.           | 1972                       | 1985                        | 17                           |
| Mejaški–Tonejc, A.  | 1970                       | 1972                        | 5                            |
| Mićunović, J.       | 1974                       | 1974                        | 1                            |
| Mihajlov, A.A.      | 1983                       | 1983                        | 1                            |
| Miler, D.           | 1970                       | 1973                        | 3                            |
| Milošević, S.       | 1981                       | 1985                        | 18                           |
| Milošević, Z.       | 1976                       | 1976                        | 1                            |
| Mitrović, V.        | 1970                       | 1971                        | 2                            |

|                 |      |      |    |
|-----------------|------|------|----|
| Movre, M.       | 1976 | 1985 | 30 |
| Panić, K.       | 1980 | 1980 | 1  |
| Pavlov, M.      | 1968 | 1980 | 5  |
| Pichler, G.     | 1970 | 1985 | 62 |
| Platiša, M.     | 1970 | 1985 | 31 |
| Popović, M.M.   | 1973 | 1973 | 1  |
| Popović, M.V.   | 1972 | 1979 | 16 |
| Popović, S.     | 1975 | 1975 | 1  |
| Purić, J.M.     | 1968 | 1985 | 79 |
| Radivojević, D. | 1970 | 1971 | 2  |
| Radujkov, V.    | 1975 | 1976 | 2  |
| Rathore, B.     | 1982 | 1985 | 11 |
| Rukavina, J.    | 1980 | 1980 | 1  |
| Ružđak, V.      | 1974 | 1981 | 7  |
| Sušić, R.       | 1973 | 1973 | 1  |
| Škovrlj, Lj.    | 1978 | 1978 | 2  |
| Šternberg, Z.W. | 1978 | 1978 | 1  |
| Terzić, M.      | 1975 | 1980 | 2  |
| Urošević, V.    | 1973 | 1973 | 1  |
| Uzelac, N.I.    | 1985 | 1985 | 1  |
| Veža, D.        | 1978 | 1985 | 24 |
| Vince, I.       | 1984 | 1985 | 4  |
| Vujičić, B.T.   | 1982 | 1985 | 5  |
| Vujnović, V.    | 1962 | 1984 | 13 |
| Vujović, O.     | 1974 | 1974 | 1  |
| Vukičević, D.   | 1983 | 1985 | 3  |

---

**Author index and abbreviations**  
**Indeks autora i skraćenice**

**Author index and abbreviations**  
**Indeks autora i skraćenice**



## Author index — Indeks autora

- Abadie, D.: 28, 49, 91, 92, 108, 119, 134, 137, 139, 175, 186, 200, 208, 213, 215, 263, 279, 282, 289, 290, 303
- Acinger, K.: 11, 36, 46
- Ackermann, U.: 169
- Allard, N.: 161
- Alvarez, J.M.: 91
- Amare, J.C.: 91
- Amiot, C.: 115
- Awan, M.S.: 76
- Babin, S.A.: 200
- Bacon, M.E.: 4
- Bahns, J.T.: 357
- Baksht, F.G.: 61, 76
- Blaz, J.G.: 115
- Banks, J.T.: 192, 320
- Barfield, W.D.: 84
- Barnard, A.J.: 17, 92
- Barnes, R.M.: 91, 92
- Barrault, M.R.: 92
- Baschek, P.: 92, 158
- Bassalo, J.M.: 126
- Batenin, P.A.: 7, 16, 92
- Baur, J.F.: 34, 49, 106
- Baylis, W.E.: 236
- Behmenburg, W.: 60, 76
- Bekafi, G.: 28, 81
- Bengston, R.D.: 91, 92
- Benlakhdar, Z.: 156
- Bernabeu, E.: 91
- Bernard, G.: 92
- Bernheim, R.A.: 115
- Berry, R.S.: 76
- Bershad, D.: 76
- Bessenrodtweberpols, M.: 91
- Beuc, R.: 115, 156, 176, 177, 187–190, 192, 209, 210, 217, 219–222, 260, 283, 285, 291, 293, 296, 297, 337, 356
- Bezuglov, N.N.: 61, 298
- Blaha, M.: 84, 92
- Bleize, J.J.: 91, 92
- Blendstr, G.: 76
- Bluebond, D.: 39, 40, 49, 80, 82, 84, 91, 92, 116
- Bojović, V.: 26
- Bokova, N.A.: 91, 92
- Boudrin, E.: 91
- Bosanac, S.: 76, 192, 209, 284, 285, 321
- Boyko, W.J.: 126
- Božić, H.: 121, 141
- Brebrich, R.F.: 176
- Breger, P.: 69, 70, 82, 84, 91, 92, 116, 117, 126, 127, 137, 158–160, 169, 186, 200, 201, 204
- Bryan, R.J.: 82, 84
- Burges, A.: 91, 92, 116, 117, 126, 134
- Burgmans, A.L.J.: 91
- Burmakin, V.A.: 92

Carillon, A.: 92  
 Carleton, N.P.: 32  
 Carlsten, J.L.: 76, 132, 133, 140, 161  
 Cattani, M.: 126, 199, 215, 227, 273  
 Cekić, M.: 44, 255, 324, 359  
 Chappell, E.: 39, 40, 91  
 Chapelle, J.: 21, 34, 44, 49, 91, 227  
 Chen, W.J.: 115  
 Cheng, W.G.: 161  
 Chiang, W.T.: 70, 92, 103  
 Chotin, J.L.: 6  
 Collins, C.B.: 60  
 Condert, J.F.: 91  
 Cooper, J.: 16, 34, 49, 91, 106, 154, 161, 280, 311  
 Cornelissen, H.J.: 91  
 Cornille, M.: 230, 266  
 Cowan, R.: 91, 92  
 Cowley, C.R.: 6  
 Craggs, J.D.: 1  
 Crubellier, A.: 161  
 Czernichowski, A.: 21, 91, 227  
 Čelebonović, V.: 80, 92, 116, 123, 169, 196, 202, 223, 264  
 Čerić, V.: 71, 72  
 Ćirković, Lj.: 5, 7, 8, 10, 13, 14, 16, 17, 21, 22, 25, 32–34, 39, 44, 53–55, 58, 69, 70, 75, 85, 103–107, 119, 120, 224, 333–335, 371  
 Ćuk, M.: 44, 91, 92, 119, 172, 173, 175, 186, 206, 208, 212, 213, 243, 244, 248, 254, 255, 258, 264, 279, 281, 282, 287, 312, 324–326, 359–363  
 Decker, R.: 76  
 De Groot, J.J.: 176, 190, 192  
 Demkin, V.P.: 32, 44  
 Demtrode, W.: 115  
 Deutsch, C.: 28  
 Desyatnik, G.A.: 91  
 Devonshire, R.: 92  
 Diefis, J.W.H.: 7  
 Dimitrijević, M.S.: 1, 13, 16, 17, 21, 28, 33, 39, 44, 45, 49, 51, 53, 55, 57, 58, 68–70, 80, 82, 84, 85, 87–89, 91, 92, 101, 102, 104, 106, 108–110, 114, 116, 117, 119, 120, 127, 134–138, 145–150, 155, 158–160, 162–170, 186, 193–202, 204, 208, 213, 225–234, 243, 253, 263–274, 277–279, 295, 299–308, 310, 311, 332, 338–348, 368–370  
 Djeniže, S.: 13, 16, 32–34, 39, 44, 53–55, 58, 69, 70, 75, 85, 103, 106, 107, 119, 120, 123–127  
 Đurović, S.: 12, 43, 73, 151, 152  
 Dnbrodezh, B.V.: 61  
 Donin, V.I.: 200  
 Drawin, H.W.: 91, 92  
 Dubau, J.: 266  
 Dubreuil, B.: 292  
 Düren, R.: 115, 235, 236, 275, 284  
 Džimberg, V.: 46, 91, 203  
 Eastwood, D.: 175  
 Eberly, J.H.: 161  
 Edelman, S.A.: 16  
 Eden, J.G.: 192, 209, 219, 263, 283, 285, 322  
 El-Farra, M.A.: 169  
 Engel'sht, V.S.: 3  
 Engvold, O.: 216  
 Exton, R.J.: 61  
 Fabry, M.: 85  
 Fauchais, P.: 91



Feautrier, N.: 119, 154, 196, 197, 230, 231, 266, 267  
Fedorova, T.N.: 4  
Felden, N.: 85  
Ferreira, N.P.: 91, 92  
Field, K.W.: 283  
Finken, K.H.: 49, 169  
Fishman, I.S.: 91, 268  
Fleurier, C.: 32, 34, 41, 44, 49, 92  
Freed, K.F.: 76, 115  
Freudenstein, S.A.: 91  
Fujimoto, T.: 76  
Gallagher, A.C.: 76, 115, 176  
Gauthier, J.C.: 91, 92  
Gavrilov, T.V.: 4  
Gavrilov, V.E.: 4  
Geindre, J.P.: 91, 92  
Genat, J.F.: 16  
George, T.F.: 161  
Georges, J.C.: 85  
Geraud, A.: 58, 91, 92  
Gigosos, M.A.: 17  
Glasser, J.: 91  
Glavatskih, N.A.: 16  
Glavonjić, V.Đ.: 32, 44, 49, 53, 69, 91, 104, 108, 119, 137, 138, 153, 159, 160, 186, 215  
Gold, L.P.: 115  
Goldbach, C.: 49, 91, 92, 119, 196, 199  
Goly, A.: 51, 91, 92, 136, 263  
Gorchakov, A.V.: 32  
Gorchakov, L.V.: 44  
Graef, W.P.M.: 7  
Grandjouan, N.: 91, 92  
Griem, H.R.: 3, 4, 6, 13, 17, 20, 21, 28, 32–34, 39, 44, 46, 49, 58, 70, 80, 84, 91, 92, 103, 106, 154  
Grin, L.E.: 16  
De Groot, J.J.: 76  
Grubor, D.: 16, 42, 43, 47, 165, 169, 193  
Grujić, P.: 14–17, 21, 22, 28, 49, 55, 57, 39, 93, 110, 124–126, 147–149  
Gurovich, V.T.: 3  
Gyuzhev, G.A.: 61, 76  
Hadžiomerspahić, D.: 12, 28, 32, 34, 37, 43, 44, 48, 49  
Halenka, J.: 154  
Han, Q.S.: 161  
Harnafi, M.: 292  
Harrison, J.A.: 1  
Hashimoto, S.: 58  
Hasselbrink, E.: 235, 236, 275, 284  
Heinke, H.: 76, 156  
Helbig, V.: 16, 46, 58, 91, 92, 134, 162, 175, 264, 279, 286, 358, 361, 363  
Hendrick, M.S.: 175  
Hessel, M.M.: 76, 115  
Heuschkel, J.: 34  
Hey, J.D.: 69, 70, 80, 82, 84, 90, 92, 116, 117, 127, 158, 169, 204  
Hildum, J.S.: 16  
Hochhauser, D.S.: 192  
Hohimer, J.P.: 45, 106, 119, 264  
Holweger, H.: 34  
Hooper, C.F.Jr.: 3, 4  
Horing, G.: 115  
Horowitz, E.: 39, 40

Hotop, R.: 76  
 Huang, Y.: 176  
 Heunneken, J.: 76, 115, 176, 192, 219, 283, 284  
 Hughes, T.P.: 169  
 Human, H.G.C.: 91, 92  
 Ishikawa, M.: 34  
 Istrefi, L.: 17, 42, 58, 70, 80, 82, 84, 91, 92, 116, 117, 123, 127, 134, 158, 169, 200, 201, 205, 237, 238  
 Ivasenko, N.F.: 91, 92  
 Jaakkola, T.: 93  
 Jaegle, P.: 92  
 Jamelot, G.: 92  
 Janson, M.L.: 76, 115  
 Jeanett, J.C.: 156  
 Johnson, B.W.: 60  
 Johnson, D.E.: 192, 209, 211, 263, 283, 285, 322  
 Johnson, D.W.: 45, 46, 263, 264  
 Johnson, J.A.: 58  
 Jones, L.A.: 17, 84, 92, 201  
 Jones, W.W.: 16, 17, 21, 28, 34, 44  
 Kajzer, M.: 128  
 Källne, E.: 17, 84, 92, 201  
 Kamke, B.: 176  
 Kamke, W.: 176  
 Kantor, P.Ya.: 76, 115, 156, 176, 190  
 Kaplan, V.B.: 61, 76  
 Karoic, K.: 93  
 Kauli, Ch.: 6  
 Kelleher, D.E.: 13, 91, 129, 154, 280, 331  
 Keliher, P.N.: 126  
 Kempkens, H.: 91  
 Kielkopf, J.: 161  
 Kilimann, K.: 119  
 Kleczek, J.: 121  
 Klimovskij, I.I.: 92  
 Klyucharev, A.N.: 61, 76, 111, 115, 130, 298  
 Knežević, V.: 21, 70, 139  
 Kobilarov, R.: 28, 53, 80, 82, 91, 92, 108, 114, 116, 119, 123, 137, 145, 158, 159, 160, 175, 186, 204, 205, 213, 227, 241, 242, 263, 264, 276, 309, 311  
 Kobzev, G.A.: 17, 82, 84, 169, 186, 190, 199, 227  
 Koch, M.E.: 76  
 Koković, M.: 12, 43, 74  
 Kolar, I.: 61, 67, 111, 115  
 Koledin, D.: 149  
 Konjević, N.: 5, 7, 8, 10, 12–22, 25, 27–29, 32–34, 37–39, 44–46, 49, 51, 53, 55, 57, 58, 68–70, 80–85, 90–92, 101, 102, 104, 106, 108, 109, 114, 116–120, 127, 129, 134–138, 145, 150, 154, 158, 159, 160, 162, 163, 166–170, 186, 194, 198–202, 204, 208, 213, 227, 229, 232, 233, 239–243, 253, 263, 264, 268, 277, 279, 303–306, 309–315, 341, 349–352, 358  
 Konjević, R.: 268, 310, 314, 315, 352  
 Konowalov, D.D.: 176, 192, 283, 322  
 Kostić, B.: 12, 82, 84, 87, 112  
 Kostin, A.A.: 61, 76  
 Kowalczyk, P.: 115, 283  
 Krauliny, E.K.: 115  
 Krause, U.: 115  
 Kršljanin, V.: 306, 307, 332, 342, 369, 370  
 Kudritzki, R.P.: 92, 158  
 Kurucz, R.L.: 32

Kusch, H.J.: 34, 55, 70, 91, 115  
 Labat, J.M.: 5, 7, 8, 10, 13–17, 20–22, 25, 28, 32–34, 39, 44, 53–55, 58, 69, 70, 75, 85, 103–107, 114, 119, 120  
 Labat, O.: 92, 173, 185, 186, 208, 213  
 Labusz, S.: 268  
 Lakićević, I.: 13, 16, 21, 32–34, 37, 39, 42–44, 49, 50, 53, 55, 69, 70, 84, 85, 87, 91, 92, 103, 104, 106–108, 113, 114, 119, 120, 137–139, 145, 155, 159, 160, 171–173, 175, 183–186, 204, 206–208, 212–215, 243–248, 253–259, 264, 278–282, 286–288, 312, 324–326, 353, 359–363  
 Lam, K.S.: 161  
 Lam, L.K.: 76  
 Langhoff, P.W.: 76  
 Lau, C.: 76  
 Lawrentz, J.: 76, 156  
 Lazarenko, A.V.: 76, 111, 115, 130  
 Lebedeva, V.V.: 16  
 Lebrun, J.L.: 49, 229, 264, 290, 327  
 Le Denmat, G.: 93  
 Lemaire, J.L.: 6  
 Lennuier, R.: 156  
 Lesage, A.: 21, 28, 42, 49, 55, 69, 70, 84, 91, 92, 103, 108, 119, 134, 137, 139, 175, 186, 200, 208, 213, 215, 229, 249, 257, 258, 263, 264, 279, 282, 288–290, 303, 327  
 Lesnoj, M.A.: 92  
 Lester, J.B.: 32  
 Lewandowski, B.: 92  
 Lewis, E.L.: 76, 115, 156, 190  
 Li, L.J.: 283  
 Liao, P.K.: 176  
 Liberman, S.: 161  
 Lindsay, J.M.: 92  
 Liou, S.S.: 176  
 Lokner, V.: 39, 91, 120, 174, 295  
 Lorenzen, J.: 61, 76  
 Luc, Z.J.: 161  
 McPherson, P.: 91  
 Malloy, J.M.: 126  
 Manola, S.: 49, 91, 92, 134, 229, 249, 263, 264, 309, 311, 327  
 Mar, S.: 17, 227  
 Margolin, L.Y.: 16, 54  
 Marić, Z.: 93  
 Marinković, M.D.: 2  
 Marque, J.P.: 6  
 Martinovskij, A.M.: 61, 76  
 Marvin, R.S.: 49, 80, 82, 84, 91, 92, 116  
 Matick, A.T.: 76  
 Maulat, C.: 41, 92  
 Mayon, D.: 161  
 Mazing, M.A.: 2  
 Mazure, A.: 69, 91, 92, 106, 108, 119, 154  
 Measures, R.M.: 91  
 Mejaški–Tonejc, A.: 11, 22, 36, 45, 46  
 Mel'chenko, V.S.: 91, 92  
 Merschmann, D.: 162  
 Messiha, F.S.: 220  
 Mićunović, J.: 12, 48, 59, 68  
 Mihajlov, A.A.: 268  
 Mikaelian, K.O.: 93  
 Miller, D.: 11, 40, 51, 55

Miller, M.H.: 28, 42, 49, 69, 70, 84, 91, 92, 108, 119, 134, 137, 139, 175, 186, 200, 208, 213, 215, 264, 279, 282, 289, 290, 303  
 Milošević, S.: 76, 115, 176, 191, 192, 209–211, 217–219, 235, 236, 250–252, 261–263, 275, 283–285, 293, 294, 296, 316–318, 321, 322, 330, 354, 355, 357  
 Milošević, Z.: 12, 35, 39, 80, 87, 94  
 Minaev, P.V.: 3, 7, 16  
 Mirza, M.Y.: 60  
 Mitrović, V.: 7, 13, 17, 30  
 Mohov, A.V.: 76, 115, 156, 176, 190  
 Moles, M.: 93  
 Moreno, F.: 91  
 Moritz, G.: 236  
 Movre, M.: 60, 61, 76, 91, 95–97, 99, 100, 111, 115, 130, 131, 144, 156, 174, 176, 177, 187–190, 192, 210, 217, 219–222, 260, 291, 293, 296, 297, 319, 356  
 Musielok, J.: 91, 169  
 Musiol, K.: 45, 46, 263, 264, 268  
 Nee, A.: 137, 199  
 Nick, K.P.: 134  
 Niemax, K.: 52, 60, 61–66, 76, 115, 156, 176, 177, 210, 367  
 Nienhuis, G.: 161  
 Nishimura, M.: 34  
 Nollez, G.: 49, 69, 91, 92, 106, 108, 119, 154, 196, 199  
 Nottale, L.: 93  
 Nubbemeyer, H.: 91, 92  
 Odincov, A.I.: 16  
 Orihara, S.: 58  
 Panić, K.: 43, 48, 87, 123, 169, 178  
 Papernov, S.M.: 76, 115  
 Paquette, D.R.: 12  
 Pascu, M.L.: 60  
 Pavlov, M.: 6, 34, 78, 79, 98, 178  
 Pecker, J.C.: 93  
 Peiser, H.S.: 39, 40, 49, 80, 82, 84, 91, 92, 116  
 Penkin, N.P.: 76, 115, 156, 176, 190  
 Perrin, D.J.: 156  
 Phelps, A.V.: 76  
 Pichler, G.: 11, 24, 40, 41, 51, 52, 60–67, 76, 95–97, 99, 100, 111, 115, 130–133, 140, 144, 156, 157, 161, 176, 177, 180–182, 187, 189–192, 209–211, 218, 219, 221, 235, 236, 260–262, 261–263, 275, 292–294, 298, 318, 320–322, 330, 331, 354, 355, 357, 365, 367  
 Pillet, P.: 161  
 Pittman, I.: 169, 200, 264, 306, 312, 313, 323, 350, 351, 358  
 Platiša, M.: 13, 16–22, 27–29, 31–34, 37, 39, 44, 49, 68, 78, 80–82, 84, 91, 92, 101, 102, 116–118, 134–136, 158, 268, 277, 310, 314, 315, 352  
 Plomdeur, P.: 49, 91, 92, 196, 199  
 Pokrzywka, B.: 268  
 Polynovskaya, N.Y.: 16, 54  
 Popović, M.V.: 13, 20, 28, 32–34, 37, 39, 44, 49, 68, 70, 78, 80, 81, 82, 84, 91, 92, 101, 102, 116, 117, 135, 136, 158, 264, 309, 311  
 Popović, M.M.: 16, 42, 43, 47  
 Popović, S.: 83  
 Pozdeev, V.V.: 91, 92  
 Prasad, A.N.: 6  
 Preston, R.C.: 13, 28  
 Purić, J.M.: 5, 7–10, 13, 16, 17, 20–22, 25, 28, 29, 31–34, 39, 42–44, 53–55, 58, 69, 70, 75, 84, 85, 91, 92, 103–108, 114, 119, 120, 137–139, 145, 155, 159, 160, 171–173, 175, 183–186, 204, 206–208, 212–215, 243, 246–248, 253–258, 264, 278–288, 312, 324–326, 359–363  
 Pyatnitskij, L.N.: 16, 54  
 Raabi, M.: 115

Radivojević, D.: 13, 16, 17, 20–22, 25, 36  
 Radujkov, V.: 76, 98  
 Rajaeirizi, A.R.: 192  
 Radzewic, C.: 283  
 Rakotoarijimi, D.: 91, 263  
 Rathore, B.A.: 16, 21, 32–34, 39, 42–45, 55, 70, 89, 91, 92, 103, 108, 117, 119, 126, 127, 134, 137, 139, 159, 160, 172, 175, 183, 186, 200, 202, 206, 208, 212, 215, 243, 244, 247, 253–255, 257–259, 263, 264, 280–282, 287, 324, 326, 359, 363  
 Raymer, M.G.: 140, 161  
 Razumovskaya, L.P.: 61  
 Regan, R.M.: 192, 322  
 Regemorter, H. Van: 21, 32  
 Reiser, A.P.: 115, 176  
 Rice, S.F.: 283  
 Richou, J.: 49, 92, 134, 229, 249, 263, 264, 289, 290, 327  
 Roberts, J.R.: 20, 33, 45, 46, 55, 70, 91  
 Roig, R.A.: 91, 92  
 Romanov, G.S.: 92  
 Rödigs, G.: 91  
 Ropke, G.: 119  
 Rosenkrantz, M.E.: 192, 222  
 Rostas, F.: 6  
 Roszman, L.J.: 2, 3, 4  
 Rothe, E.W.: 115  
 Rukavina, J.: 115, 156, 176, 192  
 Ruždjak, V.: 4, 71, 86, 121, 122, 141, 143, 216  
 Rzazewski, K.: 161  
 Sadakane, K.: 34  
 Sahal–Bréchet, S.: 34, 42, 44, 49, 55, 70, 91, 106, 116, 117, 119, 126, 134, 136, 146, 147, 158, 169, 175, 194, 196, 197, 199, 200, 204, 229–231, 234, 263, 264, 267, 270–274, 299, 306–308, 310, 339, 343–347, 369  
 Salakhov, M.Kh.: 268  
 Santiago, J.: 58  
 Sarandeev, E.V.: 268  
 Sayer, B.: 190  
 Schatzman, E.: 93  
 Schlüter, D.: 76  
 Schnurmans, M.F.H.: 76  
 Scholz, M.: 92, 158  
 Schröder, K.: 55, 70  
 Schvegzhda, Z.L.: 76  
 Seaton, M.J.: 34  
 Seifert, T.: 119  
 Selezneva, L.A.: 92  
 Semin, P.S.: 91  
 Shabanova, L.N.: 76, 115, 156, 176, 190  
 Shternov, N.P.: 54  
 Shul'ga, A.G.: 16  
 Shimizu, K.: 192  
 Siegling, F.: 76  
 Simon, K.P.: 92, 158  
 Singer, S.J.: 76, 115  
 Skowronek, M.: 16  
 Snow, W.L.: 61  
 Souw, E.K.: 91  
 Stahl, C.: 154  
 Stepanov, K.L.: 92  
 Struwa, W.S.: 76, 115

Stwalley, W.C.: 76, 115, 192, 320, 357  
 Su, C.H.: 176  
 Sušić, R.: 56  
 Syrkin, M.I.: 49, 80, 91, 92, 117, 158  
 Szudy, J.: 60, 61, 76  
 Škovrlj, Lj.: 86, 142, 143  
 Šternberg, Z.: 127  
 Takuma, H.: 192  
 Takeda, Yo-ichi: 34  
 Teerikorpi, P.: 93  
 Terzić, M.: 79, 179  
 Thiell, G.: 85  
 Thomann, P.: 161  
 Timergaliev, R.S.: 16, 54  
 Tischer, H.: 236  
 Toader, E.I.: 60  
 Torres, F.: 17  
 Traub, W.A.: 32  
 Trefftz, E.: 91, 92  
 Truong-Bach: 78, 91, 92, 229, 311, 348  
 Tzu Jye: 137, 199  
 Uhlenbusch, J.: 91  
 Urošević, V.: 16, 42, 43, 47  
 Uzelac, N.I.: 25, 91, 92, 306, 310, 334, 363  
 Vadla, Č.: 39, 40, 51, 72, 91, 120, 156, 162, 174, 176, 177, 187–189, 192, 210, 217, 220–222, 260, 291, 295, 297, 328, 329, 365  
 Vaessen, P.H.M.: 91, 92  
 Vandersi, B.: 7  
 Vanengelen, J.M.L.: 91, 92  
 Verges, J.: 115  
 Verma, K.K.: 192  
 Veža, D.: 60, 61, 76, 115, 144, 156, 176, 177, 190, 191, 192, 209, 210, 212, 218, 219, 250–252, 261–263, 283–285, 292–294, 318, 321, 322, 330, 331, 355–366, 367  
 Vidal, C.R.: 115  
 Vigier, J.P.: 93  
 Vilarlos, R.: 91  
 Vince, I.: 306, 307, 332, 368–370  
 Vitel, Y.: 16  
 Voigt, P.: 129  
 Vokhmin, P.A.: 92  
 Voslamber, D.: 6  
 Vrublevskaya, N.A.: 2  
 Vujičić, B.T.: 91, 224, 333–335, 371  
 Vujnović, V.: 1, 3, 4, 11, 23, 39, 46, 51, 71, 72, 91, 115, 120, 143, 156, 162, 174, 176, 192, 202, 216, 336  
 Vujović, O.: 72, 295  
 Vukičević, D.: 92, 283, 285, 318, 322, 355  
 Walder, V.S.: 126, 283  
 Walker, T.G.: 192, 219, 284  
 Waymer, E.F.: 115  
 Weber, E.W.: 91  
 Weber, K.H.: 76, 156  
 Wehde, B.: 91, 92  
 Weniger, S.: 51, 91, 92, 136, 263  
 Wehenkel, S.: 92  
 Wiese, W.L.: 1, 13, 16, 17, 21, 22, 28, 32, 33, 39, 44, 45, 46, 49, 53, 55, 58, 70, 80, 82, 84, 85, 91, 92, 106, 108, 109, 114, 116, 117, 119, 120, 129, 134, 136, 137, 145, 154, 158–160, 163, 175, 186, 194, 200, 204, 208, 213, 233, 263, 264, 310, 311

Woerdman, J.P.: 76, 176, 190, 192  
Wu, Z.: 192, 219, 283, 284  
Wyner, E.E.: 176  
Yaakobi, B.: 28  
Yakowitz, H.: 39, 40  
Yang, Y.H.: 76, 115  
Yurev, V.G.: 61, 76  
Zemke, W.T.: 192  
Zhang, Y.X.: 161  
Zimmermann, J.P.: 49, 91, 92, 196, 199

## Abbreviations – Skraćenice

- AIAAJ – American Institute of Aeronautics and Astronautics Journal  
C.R.H. Acad. Sci. – Comptes Rendus Hebdomadaires de l'Academie des Sciences  
ECAMP – European Conference on Atomic and Molecular Physics  
ECAP – European Conference on Atomic Physics  
EGAS – European Group for Atomic Spectroscopy  
ERMA – European Regional Meeting on Astronomy  
ESCAMPIG – European Study Conference on Atomic and Molecular Physics of Ionized Gases  
ETF – Elektro–tehnički fakultet  
IAU – International Astronomical Union  
ICPIG – International Conference on the Physics of Ionized Gases  
ICSLS – International Conference on Spectral Line Shapes  
IVTAN – Institut Vysokikh Temperatur Akademii Nauk  
JETP – Journal of Experimental and Theoretical Physics  
JQSRT – Journal of Quantitative Spectroscopy and Radiative Transfer  
LGU – Leningradskij Gosudarstvenyj Universitet  
(Kongres) MFAJ – (Kongres) Matematičara fizičara i astronoma Jugoslavije  
NBS – National Bureau of Standards  
PMF – Prirodno–matematički fakultet  
SPIG – Symposium on the Physics of the Ionized Gases  
Z. Naturforsch. – Zeitschrift für Naturforschung  
Z. Physik – Zeitschrift für Physik