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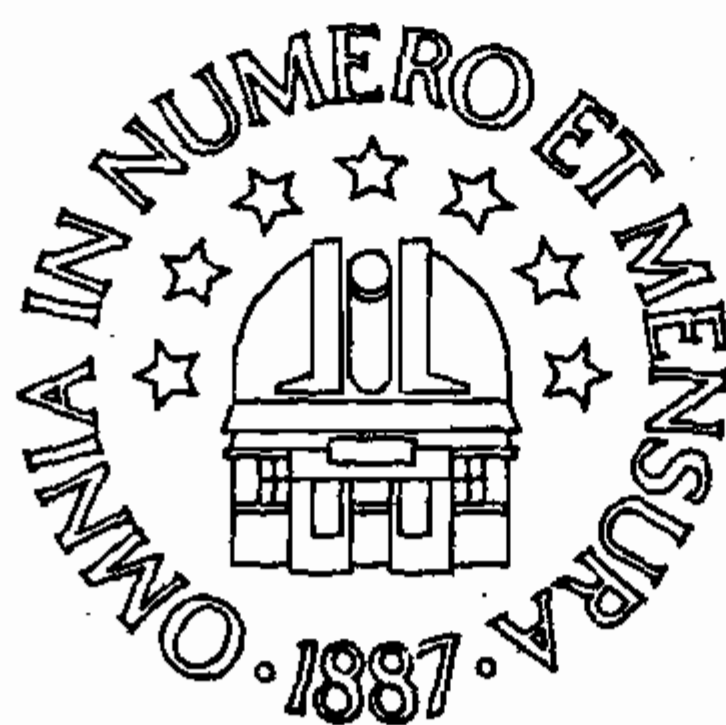
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**MILAN S. DIMITRIJEVIĆ**

**LINE SHAPES INVESTIGATIONS**  
**IN YUGOSLAVIA II (1985-1989)**  
(Bibliography and Citation Index)

**ISTRAŽIVANJE OBLIKA SPEKTRALNIH LINIJA**  
**U JUGOSLAVIJI II (1985-1989)**  
(Bibliografija i indeks citata)



**BEOGRAD**  
1991

# PUBLICATIONS DE L'OBSERVATOIRE ASTRONOMIQUE DE BELGRADE

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**SUMMARY:** First part of the publication contains review and analysis of the results of spectral line shapes investigations in Yugoslavia in the period 1985–1989. 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 1985–1989 godine. 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.

## I. SPECTRAL LINE SHAPES INVESTIGATIONS IN YUGOSLAVIA 1985-1989

The recently published Bibliography and citation index on Spectral Line Shapes Investigations in Yugoslavia, covers the period 1962 - August 1985 (Dimitrijević, 1990). In the period September 1985 - December 1989, 242 articles concerning line shapes investigations have been published by Yugoslav authors (as compared to 371 in the period 1962 - August 1985), as well as 4 Ph. D. and 3 M. Sc. Theses. Consequently, since the first article on this topic (Vujnović et al, 1962) up to the end of 1989, 613 bibliographic items have been published by 89 Yugoslav authors. The number of published articles, authors, B. Sc., M. Sc., and Ph. D. theses are given in Table 1 for each year.

Research on Spectral Line Shapes in Yugoslavia, is developed in several institutions and cities as Institute of Physics in Zemun, Faculty of Physics and Astronomical Observatory (Belgrade), Institute of Physics of the University (Zagreb) and Faculty of Sciences (Novi Sad).

In the considered period various problems have been investigated. Stark broadening of hydrogen and hydrogen-like emitter lines, has been investigated in particularly for H-beta line dip-, and peaks-shift, central structure and profiles (426, 427, 483, 527, 587); He II Balmer beta line widths (599), and He II P-alpha line plasma shifts (532). Also, the attention is paid to the influence of the glass-to-plasma boundary layers in T-tube hydrogen plasmas on line intensities (429), profiles (483) and line to continuum intensity ratios (428), and, to the transition of hydrogen line spectrum in continuum (502).

A lot of work has been done also on the experimental determination of Stark broadening parameters of nonhydrogenic atoms and ions: Stark broadening of following atoms and ions has been investigated:

Ar I, II, III, IV (411, 431, 472, 545, 581, 606); Br I, II (521, 524, 526, 582); C II, III, IV (407, 522, 530); Cl I, II, III, IV (405, 493, 524, 525, 551, 582); F I, III (524, 525, 582); HeI (383, 436, 444, 445, 531, 560, 586, 588, 607, 612); I I(523, 524, 582); Kr I, II, III (411, 431, 472, 555, 606, 608); Ne I, II, III, IV (411, 431, 434, 435, 472, 487, 489, 490, 545, 550, 606); N II, III, IV, V (432, 492, 530, 547); O III, IV, V (491, 547, 548); Si II (598); Xe II, III (411, 431, 472, 606), Zn I (380). Also, the influence of ion dynamics has been investigated (471, 588, 531). In order to illustrate the contribution of Yugoslav scientists, in Table 2 is presented the number of references concerning experimentally determined Stark broadening parameters from Yugoslav authors and from others, cited in the review of Konjević and Wiese (1990) covering the period from 1982 year. One can see that an especially significant contribution exists in the case of multiply charged ions.

Theoretical investigations of non hydrogenic emitter Stark broadening were developed in several directions. An especial effort has been done in order to develop and test the modified semiempirical method (Dimitrijević and Konjević, 1980). This method, originally developed for the ion line widths, has been extended to the Stark shifts also (396, 397, 398, 460, 461, 462, 569, 592), and a simple formula useful especially in astrophysics has been derived (459). Moreover, a simple semiclassical method for evaluation of Stark broadening parameters of neutral atom lines has been developed (393, 394, 395). An effort has been done also to develop a method for simple estimates of Stark widths along a homologous sequence (400, 573, 574, 575) and a method useful especially in astrophysics, based on the systematic dependence on the ionization potential (488, 514, 518). Approximate methods have been used and tested on numerous examples (409, 410, 414, 475, 507, 508, 509, 559, 591, 593, 594, 595, 596, 597).

Using the semiclassical perturbation approach (Sahal-Bréchet, 1969a,b), the spectra of following elements have been investigated: Ga II, III (392), Cu I (581, 614), Cu IV (512, 571), Ar II (403, 404), C IV (465, 467, 511, 515, 576), K I (466, 468), Si II (478, 534), Si IV (519, 579), Li-like ions (578). The influence of the perturber path deflection from straight line, due to the back reaction of neutral emitter on Stark broadening and collision phase shifts, has been investigated (406, 569) as well as plasma screening effects on Stark broadening at the adiabatic limit (513, 570, 572) and the influence of resonance structures in electron scattering cross sections on Stark broadening (392).

A special attention has been paid in a number of papers to the investigation of regularities and systematic trends of Stark broadening parameters (389, 400, 401, 402, 403, 404, 411, 431, 433, 463, 466, 468, 472, 488, 492, 501, 519, 520, 524, 544, 545, 546, 547, 548, 551, 559, 566, 605). Similarities of Stark broadening parameters within the same multiplets (403, 404), supermultiplet (403, 404), transition array (389) and spectral series (401, 402, 466, 468, 519) have been examined. Also, systematic trends for the same type of transition within a homologous and isoelectronic sequence (549) as well as the dependence of Stark broadening parameters on the ionization potential and on the element ordinal number, giving as the result simple formulae of astrophysical importance (520, 544, 545, 547, 548, 551). An investigation on similarities and regularities for line broadening due to collisions with neutral perturber has also been carried out with the special intention to improve the Van der Waals formula (464, 514, 516).

Astronomical aspects of spectral line shapes research were also investigated, as the limb effect, shapes and asymmetries and bisectors of solar spectral lines (382, 415, 416, 442, 443, 477, 498, 499, 500, 611), Na abundance in Solar atmosphere (379), spectral analysis of a white light flare (494), Be stars spectra (447, 504), mechanisms of neutral oxygen line formation in stellar shells (456, 457, 458), development and weakening of shell spectrum of 88 Herculis, (528), Fe II lines in the spectrum of Am 15 Vulpeculae (300), and, Stark shifts in spectra of hot DA white dwarfs (413, 533), microturbulence and spectral line shapes (378), and Lyman alpha line transfer in chromospheric conditions (450). On Astronomical Observatory in Belgrade the Belgrade programme for monitoring

of activity — sensitive spectral lines of the Sun as a star, during a 11-years Solar cycle is in the course of realization (446, 559).

In order to obtain a better connection between astronomical observations and theoretical interpretations of astrophysical spectra, the radiative transfer investigations have also been carried out (376, 384, 385, 386, 448, 449, 451, 452, 553, 561).

In a number of papers, satellite and diffuse bands of NaCd (539, 543, 562, 604), KHg (540), NaHg(562), and TlHg(541) excimers have been studied as well as the spectrum and the photochemical production of NaCd (529, 584, 585), LiMg (542) and metal vapor (486) excimers. Continua, satellite and diffuse bands have been studied also (422, 424, 482, 485, 505, 564, 565), particularly on the case of alkali vapors (381, 387, 412, 418, 430, 437, 439, 453, 473, 474, 479, 503, 538, 600, 601, 602, 603). Moreover, ionization of lithium vapor by CW quasisresonant laser radiation (438, 496), fluorescence in dimers and diatomic molecules (417, 419, 420), laser induced chemiluminescence (555), collisional population of K<sub>2</sub> atomic states (589), spectroscopy of collisional and radiative processes of importance for the interpretation of spectra of diatomic molecules (388, 425, 480, 484, 495, 506, 552, 609), intermediate and long range interaction potentials of heteronuclear and homonuclear alkali dimers and quasimolecules (421, 423, 481, 503, 536, 552) and interaction potentials, oscillator strengths, and quasistatic line shapes for Eu-Sr quasimolecule, have been investigated.

The contribution and influence of Yugoslav scientists in the international effort on investigation and interpretation of line shapes is well illustrated by the bibliography and citation index presented in the second part.

## REFERENCES — LITERATURA

- Dimitrijević, M. S.: 1990, *Line Shapes Investigations in Yugoslavia 1962-1985 (Bibliography and citation index)*, Publ. Obs. Astron. Belgrade, Publ. Obs. Astron. Belgrade 39.
- Dimitrijević, M. S., Konjević, N.: 1980, JQSRT 24, 451.
- Konjević, N., Wiese, W. L.: 1990, J. Phys. Chem. Ref. Data (in press).
- Sahal-Bréchet, S.: 1969a, Astron. Astrophys. 1, 91.
- Sahal-Bréchet, S.: 1969b, Astron. Astrophys. 2, 322.
- Vujnović, V., Harrison, J. A., Craggs, J. D.: 1962, Proc. Phys. Soc. (London) 80, 516.

## TABLES — TABELE

Table 1. Number of articles, authors, B. Sc., M. Sc., and Ph. D. theses in the period 1962–1989.

Broj radova, autora, diplomskih, i magistarskih radova i doktorskih disertacija u periodu 1962–1989.

Year godina	No. of publications Br. članaka	No. of authors Br. autora	B. Sc Dipl.	M. Sc. Mag.	Ph. D 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	13	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	32	20		1	
1984	44	22		1	1
1985	43	23		1	1
1986	62	33	3	1	
1987	58	33			
1988	65	34			
1989	55	34		3	
Total Ukupno	613				



**Table 2.** The number of references concerning experimentally determined Stark broadening parameters from Yugoslav authors and from others, cited in (Konjević, Wiese, 1990)

Broj referenci u kojima se daju eksperimentalni podaci za parametre Štarkovog širenja, od Jugoslovenskih i drugih autora, a koje su citirane u pregledu Konjevića i Wiese-a (1990).

Element Element	Yugoslav authors Jugoslovenski autori	Others Ostali
<i>Neutrals — Neutrali</i>		
Al I	—	2
Ar I	1	7
Br I	1	—
C I	—	3
Cl I	1	1
Co I	1	—
Cs I	2	1
Cu I	1	2
F I	2	1
Fe I	—	1
Ga I	—	1
Ge I	—	1
He I	1	1
Hg I	—	1
In I	—	1
K I	—	1
Kr I	—	1
Ne I	2	1
O I	—	2
P I	—	1
S I	—	2
Xe I	—	1
<i>Singly charged ions — Jednostruko naelektrisani joni</i>		
Al II	2	—
Ar II	1	4
Bi II	1	—
Br II	1	—
C II	1	2
Ca II	—	1
Cl II	1	—
Cr II	1	—
Cu II	—	2
Ga II	—	1

(continuation)

Element Element	Yugoslav authors Jugoslovenski autori	Others Ostali
In II	—	1
Kr II	2	1
N II	2	1
Ne II	3	—
O II	1	—
P II	1	1
Pb II	1	—
S II	—	2
Sb II	1	—
Si II	1	1
Sn II	1	—
Xe II	3	2
<i>Doubly charged ions - Dvostruko naelektrisani joni</i>		
Ar III	2	—
C III	1	1
Cl III	1	—
F III	1	—
Kr III	1	—
N III	1	1
Ne III	2	—
O III	1	—
Si III	—	1
Xe III	1	—
<i>Triply charged ions - Trostruko naelektrisani joni</i>		
AR IV	1	—
C IV	1	4
Cl IV	1	—
N IV	1	—
Ne IV	1	—
O IV	1	—
<i>Other ions - Ostali joni</i>		
N V	1	2
O V	1	—
O VI	—	1

## ISTRAŽIVANJA OBLIKA SPEKTRALNIH LINIJA U JUGOSLAVIJI 1985–1989

Nedavno objavljena Bibliografija i indeks citata o istraživanjima oblika spektralnih linija u Jugoslaviji, pokriva period od 1962. do avgusta 1985. (Dimitrijević, 1990). U periodu od septembra 1985. do decembra 1989. godine, objavljena su 242 članka koji se odnose na istraživanje oblika linija (u poređenju sa 371 člankom jugoslovenskih autora u periodu 1962. – avgusta 1985), kao i 4 doktorske i 3 magistarske teze. Shodno tome, od prvog članka u ovoj oblasti (Vujnović et al., 1962) pa do kraja 1989, objavljeno je 613 bibliografskih jedinica od ukupno 89 jugoslovenskih autora. Broj objavljenih članaka, autora, diplomskih radova, magistarskih i doktorskih teza dat je za svaku godinu u Tabeli 1.

Istraživanje oblika spektralnih linija u Jugoslaviji odvija se u nekoliko institucija i gradova i to u Institutu za fiziku u Zemunu, Fakultetu za fiziku i Astronomskoj opservatoriji (Beograd), Institutu za fiziku Sveučilišta (Zagreb) i Prirodno-matematičkom fakultetu (Novi Sad).

U razmatranom periodu istraživani su različiti problemi. Štarkovo širenje linija vodonika i vodoniku sličnih jona, ispitivano je na primeru centralnog udubljenja, pomaka pikova, centralne strukture i profila H-beta linije (426, 427, 483, 527, 587); širine Balmer-beta linije He II (599), i plazmenog pomaka linije He II P-alfa (532). pažnja je takođe posvećena: istraživanju uticaja graničnog sloja između stakla i plazme u vodoničnoj plazmi T-cevi na intenzitete linija (429); profilima (483); odnosu intenziteta linije i kontinuuma (428); i, prelazu vodoničnog linijskog spektra u kontinuum (502).

Veliki je trud uložen i u eksperimentalno određivanje parametara Štarkovog širenja nevodoničnih atoma i jona. Bilo je istraživano Štarkovo širenje sledećih atoma i jona: Ar I, II, III, IV (411, 431, 472, 545, 581, 606); Br I, II (521, 524, 526, 582); C II, III, IV (407, 522, 530), Cl I, II, III, IV (405, 493, 524, 525, 551, 582); F I, III (524, 525, 582); He I (383, 436, 444, 445, 531, 560, 586, 588, 607, 612); I I (523, 524, 582); Kr I, II, III (411, 431, 472, 555, 606, 608); Ne I, II, III, IV (411, 431, 434, 435, 472, 487, 489, 490, 545, 550, 606); N II, III, IV, V (432, 492, 530, 547); O III, IV, V (491, 547, 548); Si II (598); Xe II, III (411, 431, 472, 606); Zn I (380). Takođe, bio je istraživan i uticaj dinamike jona (471, 588, 531). Da bi se ilustrovao doprinos jugoslovenskih naučnika, u Tabeli 2 je predstavljen broj referenci koje se odnose na eksperimentalno određivanje parametara Štarkovog širenja, kako jugoslovenskih autora, tako i ostalih, koji su citirani u pregledu Konjevića i Wiese-a (1990) i koji pokriva period od 1982. godine. Može se videti da posebno značajan doprinos postoji u slučaju višestruko naelektrisanih jona.

Teorijska istraživanja Štarkovog širenja nevodoničnih emitera, razvijala su

se u više pravaca. Poseban napor je učinjen da se razvije i testira modifikovani semiempirijski metod (Dimitrijević i Konjević, 1980). Ovaj metod, koji je u originalnom obliku razvijen za širine jonskih linija, proširen je na Štarkove pomake (396, 397, 398, 460, 461, 462, 569, 592), a na osnovu njega je izvedena jednostavna formula, koja je posebno korisna u astrofizici (459). Osim toga, razvijen je i jednostavan semiklasični metod za procenu parametara Štarkovog širenja linija neutralnih atoma (393, 394, 395). Radilo se takođe na razvijanju metoda za jednostavnu procenu Štarkovih širina duž niza homolognih emitera (400, 573, 574, 575) i na razvoju metoda zasnovanog na sistematskoj zavisnosti od jonizacionog potencijala (488, 514, 518). Aproksimativni metodi su testirani i korišćeni na brojnim primerima (409, 410, 414, 475, 507, 508, 509, 559, 591, 593, 594, 595, 596, 597).

Koristeći semiklasični perturbacioni prilaz (Sahal-Bréchet, 1969a,b), istraživani su spektri sledećih elemenata: Ga II, III (392), Cu I (581, 614), Cu IV (512, 571), Ar II (403, 404), C IV (465, 467, 511, 515, 576), K I (466, 468), Si II (478, 534), Si IV (519, 579) i litijumu slični joni (578). Istraživan je i uticaj odstupanja putanje perturbera od prave linije, usled povratne reakcije neutralnog emitera, na Štarkovo širenje i fazni pomak (406, 569) kao i uticaj Debajevog ekraniranja na Štarkovo širenje na adijabatskoj granici (513, 570, 572) i uticaj rezonantnih struktura u preseku za rasejanje elektrona, na parametre širenja (392).

U brojnim radovima su istraživane regularnosti i sistematski trendovi parametara Štarkovog širenja (389, 400, 401, 402, 403, 404, 411, 431, 433, 463, 466, 468, 472, 488, 492, 501, 519, 520, 524, 544, 545, 546, 547, 548, 551, 559, 566, 605). Takođe su istraživane sličnosti parametara Štarkovog širenja u okviru istog multiplleta (403, 404), supermultiplleta (403, 404), skupova prelaza (389) i spektralnih serija (401, 402, 466, 468, 519), kao i sistematski trendovi za isti tip prelaza u homolognim (400, 411, 431, 463, 472, 488, 501, 524, 559) i izoelektronskim nizovima (549) a osim toga i zavisnost parametara širenja od rednog broja elemenata i jonizacionog potencijala, što je kao rezultat dalo proste formule, koje su od interesa za astrofiziku (520, 544, 545, 547, 548, 551). Takođe je izvedeno istraživanje sličnosti i regularnosti u slučaju linija proširenih sudarima sa neutralnim perturberima, sa ciljem da se poboljša Van der Waalsova formula (464, 514, 516).

Pažnja je posvećena i astronomskim aspektima istraživanja spektralnih linija, kao što su limb efekat, profili, asimetrije i bisektori spektralnih linija Sunca (382, 415, 416, 442, 443, 477, 498, 499, 500, 611), zastupljenost Na u Sunčevoj atmosferi (379), spektralna analiza hromosferske erupcije u beloj svetlosti (494), spektri Be zvezda (447, 504), mehanizmi formiranja linija neutralnog vodonika u zvezdanim omotačima (456, 457, 458), razvoj i slabljenje spektra omotača 88 Herculis (528), Fe II linije u spektru Am 15 Vulpeculae (300), Štarkovo širenje u spektrima toplih DA belih patuljaka (413, 533), mikroturbulencija i profili spektralnih linija (378) i prenos Lajman alfa linije u hromosferskim uslovima (450). Na Astronomskoj opservatoriji u Beogradu, u toku je realizacija Beogradskog programa za praćenje spektralnih linija Sunca kao zvezde, u toku 11-togodišnjeg ciklusa njegove aktivnosti (446, 559).

Da bi se uspostavila bolja veza između astronomskih posmatranja i teorijske interpretacije astrofizičkih spektara, vrše se takođe i istraživanja prenosa zračenja (376, 384, 385, 386, 448, 449, 451, 452, 553, 561).

U nizu članaka, izučavani su sateliti i difuzne trake NaCd (539, 543, 562, 604), K<sub>2</sub>Hg (540), NaHg(562), i TlHg(541) ekscimera, kao i spektar i fotohemijska produkcija NaCd (529, 584, 585), i LiMg (542) ekscimera, kao i ekscimera u slučaju metalnih para (486). Takođe su proučavani kontinuumi, sateliti i difuzne trake (422, 424, 482, 485, 505, 564, 565), i to naročito u slučaju alkalnih para (381, 387, 412, 418, 430, 437, 439, 453, 473, 474, 479, 503, 538, 600, 601, 602, 603). Osim toga, istraživani su jonizacija pare litijuma kvazirezonsantnim CW laserskim zračenjem (438, 496), fluorescencija u dimerima i dvoatomnim molekulima (417, 419, 420), laserski indukovana hemiluminescencija (555), sudarna populacija atomskih stanja K (589), spektroskopija sudarnih i radijativnih procesa od značaja za interpretaciju spektara dvoatomnih molekula (388, 425, 480, 484, 495, 506, 552, 609), intermedijarni i dugodometni interakcioni potencijali heteronuklearnih i homonuklearnih alkalnih dimera i kvazimolekula (421, 423, 481, 503, 536, 552), i interakcioni potencijali, jačine oscilatora i kvazistatički profili linija Eu-Sr kvazimolekula.

Uticaj Jugoslovenskih stvaralaca i njihov doprinos međunarodnim naporima na istraživanju i interpretaciji profila spektralnih linija, dobro ilustruje bibliografija sa indeksom citata, koja je data u drugom delu.



## II. BIBLIOGRAPHY AND CITATION INDEX BIBLIOGRAFIJA I INDEKS CITATA

### INTRODUCTION

The bibliography with the citation index is divided in two parts. In the first part is given the citation index of articles from 1962–1985 period, given in Dimitrijević (1990), with the same numeration. In the second part is the bibliography of articles up to the end of 1989 (1985–1989 period and the bibliographical items not included in Dimitrijević (1990) and the corresponding citation index. Besides the included citations, papers of Yugoslav scientists are largely cited in the bibliographical reviews: Dimitrijević (1990), Teleki (1987) and Bibliografski zbornik PMF (1990). I tried to see personally each paper included. After each paper of Yugoslav authors, data on articles where the considered paper is cited are given. For citations already existing in the bibliography of Yugoslav authors, only short data are given.

### UVOD

Bibliografija sa indeksom citata podeljena je u dva dela. U prvom delu dat je indeks citata članaka iz perioda 1962–1985, koji su ušli u prethodni pregled (Dimitrijević, 1990), sa istom numeracijom. U drugom delu je bibliografija članaka do kraja 1989 (period 1985–1990 i bibliografske jedinice koje nisu uključene u prethodni pregled (Dimitrijević, 1990)) i odgovarajući indeks citata. Osim uključenih citata, članci Jugoslovenskih autora su u velikom broju citirani u bibliografskim pregledima: Dimitrijević (1990), Teleki (1987) i Bibliografski zbornik PMF (1990). Svaki uključeni članak pokušao sam da vidim lično. Posle svakog članka Jugoslovenskih autora, dati su podaci o člancima gde je razmatrani članak citiran. Za članke koji već postoje u bibliografiji jugoslovenskih autora, dati su samo skraćeni podaci.

### REFERENCES — LITERATURA

- \*\*\*: 1990, *Bibliografski zbornik Prirodno-matematičkog fakulteta u Beogradu do 1987*, PMF Beograd.
- Dimitrijević, M. S.: 1990, *Line shapes investigations in Yugoslavia 1962–1985 (Bibliography and citation index)*, Publ. Obs. Astron. Belgrade 39.
- Teleki, G.: 1987, *Bibliography of papers of the Belgrade Astronomical Observatory research associates published in the period 1984–1986*, Bul. Obs. Astron. Belgrade 137, 91.

II.1. CITATION INDEX OF ARTICLES  
FROM 1962-1985 PERIOD

INDEKS CITATA ČLANAKA  
IZ PERIODA 1962-1985

1962

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

1984

Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade 140, 111.

1985

Gavrilov, V. E., Gavrilova, T. V., Fedorova, T. N.: 1985, Hydrogen plasma emission at  $10^{17}$ - $10^{18}$  cm<sup>-3</sup> electron densities, 1964. Opt. Spectrosc. (USSR) 59, 313 (Opt. Spektrosk. 59, 518).

1964

3. Vujnović, V.: 1964, *Dissolution of Hydrogen spectral Lines at higher Ion Densities*, Glasnik Mat. Fiz. Astron. Ser II, 19, 97.

1987

Gavrilov, V. E., Gavrilova T. V.: 1987, Rastvorenje spektral'nykh linij slozhnykh atomov v slaboneideal'noj plazme, Opt. Spektrosk. 63, 727.

1989

Gulyaev, S. A., Nefedov, S. A.: 1989, Population of Rydberg levels of atoms in the interstellar medium, Astron. Nachrichten 310, 403.

1965

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

1985

Gavrilov, V. E., Gavrilova, T. V., Fedorova, T. N.: 1985, Hydrogen plasma emission at  $10^{17}$ - $10^{18}$  cm<sup>-3</sup> electron densities, Opt. Spectrosc. (USSR) 59, 313 (Opt. Spektrosk. 59, 518).

1970

12. Konjević, N.: 1970, *Širenje spektralnih linija u plazmi* (Predavanje održano na Kongresu MFAJ, Ohrid).



Line Shapes Investigations in Yugoslavia II (1985-1989)

1989

Francuski, T.: 1989, Diplomski rad, Novi Sad PMF.

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

1977

Lemaire, J. L.: 1977, Etude de l'effet de la masse de l'ion perturbateur sur la structure centrale du profil de la raie  $H_{\beta}$  de l'hydrogene a l'aide d'un tube a ondes de choc a combustion, thèse de docteur es sciences physiques. L'université Paris VII.

1984

Torres, F. C.: 1984, Efectos de los fluctuaciones en el numero de colisiones en los perfiles Stark del hidrogeno, tesis doctoral, Universidad de Valladolid.

16. Konjević, N., Labat, J., Ćirković, Lj., Purić, J.: 1970, *Measurements of the Stark Broadening Parameters of Some Singly Ionized Argon Lines*, Z. Physik, 235, 35.

1986

Vitel, Y., Skowronek, M.: 1986, Experimental study of some Ar II lines in dense plasmas, XIII SPIG, Šibenik, 329.

Vitel, Y.: 1986, Etude des plasmas denses faiblement non ideaux crees dans les tubes a eclaires, thèse de doctorat d'état, Université Paris VI.

Nick, K. P., Helbig, V.: 1986, Experimental Stark Broadening Parameters for Ar II and Xe II Lines, Physica Scripta 33, 55.

1987

Vitel, Y., Skowronek, M.: 1987, Noble gas line profiles in dense plasmas: I. Argon, J. Phys. B, 20, 6477.

1989

Djeniže, S., Malešević, M., Srećković, A., Milosavljević, M., Purić, J.: 1989, JQSRT 42, 429.

Uzelac, N. I.: 1989, Doktorska disertacija, Beograd ETF.

Dimitrijević, M. S.: 1989, Bul. Obs. Astron. Belgrade, 140, 111.

Kršljanin, V., Dimitrijević, M. S.: Bull. Obs. Astron. Belgrade, 140, 7.

Lesage, A., Abadie, D., Miller, M. H.: 1989, Stark broadening in Krypton and Xenon, Phys. Rev. A 40, 1367.

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

1986

Pittman, T. L., Konjević, N.: 1986, JQSRT 36, 289.

1987

Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1987, Phys. Rev. A, 36, 3957.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1989, Fizika, 20, 485.

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

1989

Djurović, S.: 1989, Doktorska disertacija, Beograd PMF.

Djurović, S., Konjević, N.: 1989, Z. Phys. D 10, 425.

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

1989

Perez, C., de la Rosa, I., de Frutos, A., Gonzales, V., Mar, S.: 1989, Stark broadening of several Si II lines, Collisions et Rayonnement, Orleans.

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.

1987

Purić, J., Srećković, A., Djeniže, S., Platiša, M., Cekić, M.: 1987, XVIII ICPIG, Swansea, 484.

1988

Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1988, Phys. Rev. A 37, 4 380.

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

1989

Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade 140, 111.

1971

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

1987

Purić, J., Srećković, A., Djeniže, S., Platiša, M., Cekić, M.: 1987, XVIII ICPIG, Swansea, 484.

1988

Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1988, *Phys. Rev. A* **37**, 4380.

1989

Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 111.

30. Mitrović, V.: 1971, *Merenje parametara Štarkovog širenja nekoliko linija jednostruko jonizovanog azota*, Magistarski rad, Univerzitet u Beogradu.

1986

Pittman, T. L., Konjević, N.: 1986, *JQSRT* **36**, 289.

32. Platiša, M., Purić, J., Konjević, N., Labat, J.: 1971, *Measurement of Electron-Impact Broadening of Ionized Berilium and Barium Lines in an Electric Shock Tube Plasma*, *Astron. Astrophys.* **15**, 325.

1988

Gigas, D.: 1988, A Non-LTE Abundance determination of Mg and Ba in Vega, *Astron. Astrophys.* **192**, 264.

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

1987

Purić, J.: Srećković, A., Djeniže, S., Platiša, M., Cekić, M.: 1987, XVIII ICPIG, Swansea, 484.

1988

Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1988, *Phys. Rev. A* **37**, 4380.

1989

Djurović, S.: 1989, Doktorska disertacija, Beograd PMF.

Djurović, S., Konjević, N.: 1989, *Z. Phys.* **D. 10**, 425.

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

1987

Harima, H., Tachibana, K., Urano, Y.: 1987, Collision broadening of the Sr-ion resonance line from the line core to the near-wing region, *Phys. Rev. A* **35**, 109.

1972

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

1986

Dimitrijević, M. S.: 1986, *Astron. Astrophys. Suppl. Series* **64**, 591.

- Mar, S., Czernichowski, A., Chapelle, J.: 1986, Experimental Stark parameters for some spectral lines in SF<sub>6</sub> plasma, *J. Phys. D* **19**, 43.
- 1989
- Djurović, S.: 1989, Doktorska disertacija, Beograd PMF.
- Djurović, S., Konjević, N.: 1989, *Z. Phys. D* **10**, 425.
41. Pichler, G.: 1972, *Quadratic Stark Constants of Neutral Copper and Silver Spectral Lines in the Coulomb Approximation*, *Fizika*, **4**, 235,
- 1986
- Konjević, R., Konjević, N.: 1986, *Fizika* **18**, 327.
- 1987
- Cheminat, B., Gadaud, R., Andanson, P.: 1987, Vaporisation d'une anode en argent dans le plasma d'un arc électrique, *J. Phys. D* **20**, 444.
- 1989
- Dimitrijević, M. S., Vujnović, V.: 1989, XIX ICPIG, Beograd, 340.
43. Purić, J.: 1972, *Ispitivanje Štarkovog širenja i pomeraja spektralnih linija neutralnih atoma i jona u plazmi*, Doktorska disertacija, Beograd PMF.
- 1989
- Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.
44. Purić, J., Konjević, N.: 1972, *Stark Shifts of Some Isolated Spectral Lines of Singly Ionized Earth Alkaline Metals*, *Z. Phys.* **249**, 440.
- 1986
- Dimitrijević, M. S., Kršljanin, V. : 1986, *Astron. Astrophys.* **165** 269.
- 1987
- Dimitrijević, M. S., Konjević, N.: 1987, *Astron. Astrophys.* **172**, 345.
- Dimitrijević, M. S., Kršljanin, V.: 1987, in *Radiative Excitation and Ionization Processes*, Inst. Phys. Univ. Zagreb, 22.
- Djeniže, S., Malešević, M., Srećković, A., Milosavljević, M., Purić, J.: 1989, *JQSRT* **42**, 429.
- Kobilarov, R., Konjević, N., Popović, M. V.: 1989, *Phys. Rev. A* **40**, 3871.
- Purić, J., Ćuk, M., Rathore, B. A.: 1987, *Phys. Rev. A* **35**, 1132.
- Purić, J., Djeniže, S., Srećković, A., Labat, J.: 1987, *Phys. Rev. A* **35**, 2111.
- Purić, J., Djeniže, S., Srećković, A., Milosavljević, M., Labat, J.: 1987, XVIII ICPIG, Swansea, 486.
- 1988
- Djeniže, S., Srećković, A., Milosavljević, M., Labat, O., Platiša, M. Purić, J.: 1988, *Z. Phys. D* **9**, 129.

- Kobilarov, R., Konjević, N., Popović, M. V.: 1988, XIV SPIG, Sarajevo, 341.
- Kobilarov, R., Popović, M. V., Konjević, N.: 1988, Phys. Rev. A **37**, 1021.
- Purić, J., Djenize, S., Srećković, A., Milosavljević, M., Platiša, M., Labat, J.: 1988, XIV SPIG, Sarajevo, 345.
- Seaton, M. J.: 1988, Atomic data for opacity calculations: VIII Line-profile parameters for 42 transitions in Li-like and Be-like ions, J. Phys. B **21**, 3033.
- 1989**
- Kršljanin, V.: 1989, Publ. Obs. Astron. Belgrade **37**.
- Kršljanin, V., Dimitrijević, M. S.: 1989, XIX ICPIG, Beograd, 332.
45. Tonejc, A.: 1972, *Measurements of Halfwidths of Certain Argon Lines*, JQSRT **12**, 1713.
- 1988**
- Purić, J., Djenize, S., Srećković, A., Čuk, M., Labat, J., Platiša, M.: 1988, Z. Phys. D **8**, 343.
- 1989**
- Bakshi, V., Kearney, R. J.: 1989, Measurement of Stark width of some Ar I transitions in a d.c. argon plasma jet at atmospheric pressure, JQSRT **42**, 405.
- Čuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.
- Purić, J., Djenize, S., Srećković, A., Čuk, M.: 1989, Fizika **20**, 485.
- Purić, J., Djenize, S., Srećković, A., Platiša, M., Labat, J.: 1989, XIX ICPIG, Beograd, 328.
46. Tonejc, A. M., Acinger, K., Vujnović, V.: 1972, *Measurements of Halfwidths of Some Argon Lines in a Wall-Stabilized Cascade Arc*, JQSRT **12**, 305.
- 1986**
- Poisel, H., Landers, F. J., Höss, P., Bauder, U. H.: 1986, Electrical and Optical Properties of High-Pressure Argon Plasma, IEEE Transaction on Plasma Science, PS-14, 306.
- 1987**
- Vitel, Y., Skowronek, M.: 1987, Noble gas line profiles in dense plasmas: I. Argon, J. Phys. B **20**, 6491.
- 1988**
- Vitel, Y., Skowronek, M., Dimitrijević, M. S., Popović, M. M.: 1988, Astron. Astrophys. **200**, 285.

1989

Bakshi, V., Kearney, R. J.: 1989, Measurement of Stark width of some Ar I transitions in a d.c. argon plasma jet at atmospheric pressure, *JQSRT* **42**, 405.

Szymanski, Z.: 1989, Temperature Determination from the Continuous Emission of a Dense Argon Plasma, *Contrib. Plasma Phys.* **29**, 173

1973

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. Phys.* **262**, 169.

1986

Dimitrijević, M. S., Kršljanin, V.: 1986, *Astron. Astrophys.* **165**, 269.

Kršljanin, V. M.: 1986, Magistarski rad, Beograd, PMF.

1987

Dimitrijević, M. S., Konjević, N.: 1987, *Astron. Astrophys.* **172**, 345.

1988

Seaton, M. J.: 1988, Atomic data for opacity calculations VIII. Line-profile parameters for 42 transitions in Li-like and Be-like ions, *J. Phys. B* **21**, 3033.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* **37**.

Kršljanin, V., Dimitrijević, M. S.: 1989, XIX ICPIG, Beograd, 332.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1989, *Fizika* **20**, 485.

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

1986

Goly, A., Weniger, S.: 1986, Stark broadening of some C(I) and N(I) vacuum ultraviolet lines, *JQSRT* **36**, 147.

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

1987

Dimitrijević, M. S., Mihajlov, A. A., Popović, M.: 1987, *Astron. Astrophys. Suppl. Series* **70**, 57.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 111.

Dimitrijević, M. S., Popović, M. M.: 1989, *Astron. Astrophys.* **217**, 201.

**1974**

58. Labat, J., Djeniže, S., Ćirković, Lj., Purić, J.: 1974, *Stark Shifts of Singly Ionized Argon Lines*, *J. Phys. B* **7**, 1174.

**1986**

Dimitrijević, M. S.: Kršljanin, V.: 1986, *Astron. Astrophys.* **165**, 269.

Kršljanin, V. M.: 1986, Magistarski rad, Beograd PMF.

Vitel, Y.: 1986, *Etudes des plasmas denses faiblement non ideaux créés dans les tubes a eclaires*, Thèse de doctorat d'état, Université Paris VI.

Nick, K. P., Helbig, V.: 1986, *Experimental Stark Broadening Parameters for Ar II and Xe II Lines*, *Physica Scripta* **33**, 55.

Vitel, Y., Skowronek, M.: 1986, *Experimental Study of some Ar II lines in dense plasmas*, XIII SPIG, Šibenik, 329.

**1987**

Dimitrijević, M. S., Kršljanin, V.: 1987, in *Radiative Excitation and Ionization Processes*, Inst. Phys. Univ. Zagreb, 22.

Vitel, Y., Skowronek, M.: 1987, *Noble gas line profiles in dense plasmas. I. Argon*, *J. Phys. B* **20**, 6477.

**1988**

Purić, J., Djeniže, S., Srećković, A., Ćuk, M., Labat, J., Platiša, M.: 1988, *Z. Phys D* **8**, 343.

**1989**

Ćuk, M. V.: 1989, *Doktorska disertacija*, Beograd PMF.

Djeniže, S., Malešević, M., Srećković, A., Milosavljević, M., Purić, J.: 1989, *JQSRT*, **42**, 429.

Lesage, A., Abadie, D., Miller, M. H.: 1989, *Stark broadening in krypton and xenon*, *Phys. Rev. A* **40**, 1367.

Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* **37**.

Kršljanin, V., Dimitrijević, M. S.: 1989, *Z. Phys. D* **14**, 273.

Kršljanin, V., Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 7.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1989, *Fizika* **20**, 485.

Uzelac, N. I.: 1989, *Doktorska disertacija*, Beograd ETF.

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

1985

Capelli, M. A., Cardinal, P. G., Herchen, H., Measures, R. M.: 1985, Sodium atom distribution within a heat sandwich oven, *Rev. Sci. Instrum.* **56**, 2030.

1987

Jongorius, M. J.: 1987, Influence of xenon on the self-reversal maxima of the Na-D emission lines in high-pressure sodium lamps, *J. Appl. Phys.* **62**, 3138.

1988

Sarkisyan, D. G.: Efektivnyj preobrazovatel' chastoty UKI sveta v IK oblasti spektra, *Kvantovaya elektronika* **15**, 2358.

1989

Sarkisyan, D. G., Mekonya, A. V.: 1989, T-shaped leucosaphire cell for vapors of alkali metal atoms, *Instruments and Experimental Techniques* **32**, 485.

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

1985

Capelli, M. A., Cardinal, P. G., Herchen, H., Measures, R. M.: 1985, Sodium atom distribution within a heat sandwich oven, *Rev. Sci. Instrum.* **56**, 2030.

1986

Milošević, S., Beuc, R., Pichler, G.: 1986, Superheating in the Heat-Pipe Oven, *Appl. Phys. B* **41**, 135.

1987

Jongorius, M. J. 1987, Influence of xenon on the self-reversal maxima of the Na-D emission lines in high-pressure sodium lamps, *J. Appl. Phys.* **62**, 3138.

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

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

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

1987

Dimitrijević, M. S., Konjević, N.: 1987, *Astron. Astrophys.* **172**, 345.

1988

Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Ćuk, M.: 1988, *Z. Phys D* **10**, 431.



1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

Perez, C., de la Rosa, I., de Frutos, A., Gonzalez, V., Mar, S.: 1989, Stark broadening of several Si II lines, *Collisions et Rayonnement*, Orleans.

1975

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

1985

Cappelli, M. A., Cardinal, P. G., Herchen, H., Measures, R. M.: 1985, Sodium distribution within a heat sandwich oven, *Rev. Sci. Instrum.* 56, 2030.

Djerad, M. T., Harima, H., Chéret, M.: 1985, Associative Ionisation in Rb(nL)-K(4S) Collisions, *J. Phys. B* 18, L815.

Kantor, P. Ya, Mokhov, A. V., Penkin, N. P., and Shabanova, L. N.: 1985, Resonance broadening of 794.7- and 780.0-nm Rb I line, *Opt. Spectrosc. (USSR)* 58, 745 (*Opt. Spektrosk.* 58, 1212).

Kantor, P. Ya., Penkin, N. P., Shabanova, L. N.: 1985, Profile of K I 769.9- and 766.5-nm lines on resonance broadening, *Opt. Spectrosc. (USSR)* 59, 113 (*Opt. Spektrosk.* 59, 193).

Singer, S. J., Freed, K. F., Band, Y. B.: 1985, Photodissociation of diatomic molecules to open shell atoms, *Advances of Chemical Physics*, 61, 1.

1986

Shabanova, L. N. Levoshkin, A. V.: Asymmetry in the profiles of the 466.2, 462.7, and 459.4-nm lines of Eu I during resonance broadening, *Opt. Spectrosc. (USSR)* 61, 142 (*Opt. Spektrosk.* 61, 220).

1987

Jongorius, M. J.: 1987, Influence of xenon on the self-reversal maxima of the Na-D emission lines in high-pressure sodium lamps, *J. Appl. Phys.* 62, 3138.

1989

Shimkaveg, G., Quivers, W. W., Dasari, R. R., Otteson, M. S., Holbrow, C. H., Pappas, P. G., Attili, M. A., Smith, D. M., Thomas, J. E. Murnick, D. E.: 1989, Laser-induced nuclear orientation studies of 1-MU-S Rb 85M, *Spect. Acta A* 45, 63.

78. Pavlov, M., Radujkov, V., Platiša, M., Popović, M.: 1975, *Influence of Boundary Layer on  $H_\alpha$  and  $H_\beta$  line Shapes*, XII ICPIG, Eindhoven, 372.

1981

Pavlov, M., Djurović, S., Radujkov, V., Vujičić, B.: 1981, Adiabatic expansion of plasma behind reflected shock front in a T-tube as the main cause for electron density and temperature decay, *Review of Research, Faculty of Science – University of Novi Sad*, **11**, 63.

1982

Pavlov, M., Djurović, S.: 1982, The time development of the plasma-glass boundary layer in a T-tube, *Faculty of Science, University of Novi Sad, Review of Research*, **12**, 43.

80. Platiša, M., Popović, M., Dimitrijević, M. S., Konjević, N.: 1975, *Stark Broadening of A III and A IV Lines*, *Z. Naturforsch. A* **30**, 212.

1986

Konjević, N., Pittman, T. L.: 1986, *JQSRT* **35**, 473.

Kršljanin, M. V.: 1986, *Magistarski rad*, Beograd PMF.

1987

Konjević, N., Pittman, T. L.: 1987, *JQSRT* **37**, 311.

Hey, J. D., Gawron, A., Xu, X. J., Breger, P., Kunze, H. J.: 1989, Stark broadening of Ar IV lines in a dense plasma, *J. Phys. B* **22**, 241.

1988

Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988, *Phys. Rev. A* **37**, 498.

1989

Ćuk, M. V.: 1989, *Doktorska disertacija*, Beograd PMF.

Griem, H. R.: 1989, Stark broadening in multielectron atoms and ions, in *Spectral Line Shapes 5*, ed. J. Szudy, Ossolineum, 17.

Hey, J. D., Gawron, A., Xu, X. J., Breger, P., Kunze, H. J.: 1989, Stark broadening of Ar IV lines in a dense plasma, *J. Phys. B* **22**, 241.

Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988, *Phys. Rev. A* **37**, 498.

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

1986

Brown, P. J. F., Dufton, P. L., Lennon, D. J., Keenan, K. P., Kilkenny, D.: 1986, The chemical composition of the young open cluster NGC 6611, *Astron. Astrophys.* **155**, 113.

Pittman, T. L., Konjević, N.: 1986, *JQSRT* **36**, 289.

1987

Dimitrijević, M. S., Konjević, N.: 1987, *Astron. Astrophys.* **172**, 345.

Line Shapes Investigations in Yugoslavia II (1985-1989)

Purić, J., Djeniže, S., Srećković, A., Milosavljević, M., Labat, J.: 1987, XVIII ICPIG, Swansea, 486.

1988

Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Čuk, M.: 1988, Z. Phys. D 10, 431.

1986

Radujkov, V., Pavlov, M.: 1986, Measurements of the glass-to-plasma boundary-layer influence on continuum radiation in a T-tube, JQSRT 35, 479.

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

1987

Dimitrijević, M. S., Konjević, N.: 1987, Astron. Astrophys. 172, 345.

Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1987, Phys. Rev. A 36, 3957.

1988

Djeniže, S., Labat, J., Platiša, M., Srećković, A., Purić, J.: 1988, XIV SPIG, Sarajevo, 285.

Istrefi, L.: 1988, Rev. Roumaine Phys. 33, 667.

Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Čuk, M.: 1988, Z. Phys. D 10, 431.

1989

Čuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

Purić, J., Djeniže, S., Srećković, A., Čuk, M.: 1989, Fizika 20, 485.

85. Purić, J., Labat, J., Djeniže, S., Čirković, Lj.: 1975, *Stark Broadening and Shift Parameters of Sodium and Potassium Resonant Lines*, XII ICPIG, Eindhoven, 368.

1989

Čuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

Purić, J., Djeniže, S., Srećković, A., Čuk, M.: 1989, Fizika 20, 485.

1987

Babin, S. A., Donin, V. I., Rodishevskij, A. V., Shapiro, D. A.: 1987, Kulonovskoe ushirenie provala Lemba v Ar<sup>++</sup>-lazere, AN SSSR Sibirskoe otdelenie, Institut avtomatiki i elektrometrii, Reprint No 347, Novosibirsk.

Dimitrijević, M. S., Konjević, N.: 1987, Astron. Astrophys. 172, 345.

1988

Babin, S. A., Donin, V. I., Rodishevskij, A. V., Shapiro, D. A.: 1988, Kulonovskoe ushirenie provala Lemba v  $\text{Ar}^{++}$ -lazere, *Kvantovaya Elektronika* **15**, 1261.

Purić, J., Djenize, S., Labat, J., Platiša, M., Srećković, A., Čuk, M.: 1988, *Z. Phys. D* **10**, 431.

Purić, J., Djenize, S., Srećković, A., Čuk, M., Labat, J., Platiša, M.: 1988, *Z. Phys. D* **8**, 343.

1989

Babin, S. A., Donin, V. I., Rodishevskij, A. V., Shapiro, D. A.: 1989, Diagnostics of ion-laser plasma by nonlinear spectroscopy methods, XIX ICPIG, Beograd, 750.

Čuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

Hey, J. D., Breger, P.: 1989, The classical Kramers-Gaunt factor in Stark broadening, *J. Phys. B* **22**, L79.

Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* **37**.

Purić, J., Djenize, S., Srećković, A., Čuk, M.: 1989, *Fizika* **20**, 485.

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**, 109.

1977

Lemaire, J. L.: 1977, Etude de l'effet de la masse de l'ion perturbateur sur la structure centrale du profil de la raie  $H_\beta$  de l'hydrogène à l'aide d'un tube à ondes de choc à combustion, Thèse de docteur es-sciences physiques, L'Université Paris VII.

1986

Dimitrijević, M. S.: 1986, *Astron. Astrophys. Suppl. Series* **64**, 591.

Djurović, S., Konjević, N.: 1986, XIII SPIG, Šibenik, 333.

Dreike, P. L., Tisone, G. C.: 1986, Production and diagnosis of a lithium anode plasma source for intense ion beam diodes, *J. Appl. Phys.* **59**, 371.

Goly, A., Weniger, S.: 1986, Stark broadening of some C(I) and N(I) vacuum ultraviolet lines, *JQSRT* **36**, 147.

Konjević, R., Konjević, N.: 1986, *Fizika*, **18**, 327.

Kršljanin, V. M.: 1986, Magistarski rad, Beograd PMF.

Marasinghe, P. A. B., Lovett, R. J.: 1986, An evaluation of methods for estimating the electron Stark widths of atomic spectral lines, *Spectrochim. Acta* **41 B**, 349.

1987

- Adelman, S. J., Lanz, T. (eds.): 1987, Elemental Abundance Analyses, Inst. D'Astronomie de l'Université de Lausanne.
- Dimitrijević, M. S., Konjević, N.: 1987, Phys. Rev. A **35**, 2585.
- King, D. A., Carv, R. G.: 1987, A Fast, High-Current Pulsed Discharge Device for the Inner-Shell Excitation of Atoms and Ions, IEEE J. Quant. Electronics, QE-23, 418.
- Koester, D.: 1987, Gravitational redshift and Mass-radius relation in white dwarfs, Astrophys. J.: **322**, 852.
- Lanz de Huttvil, T.: 1987, Le spectre ultraviolet des étoiles Ap Si, Thèse, Université de Genève.
- Pokrzywka, B., Musiol, K.: 1987, Iterative method of correcting measured total intensity of a spectral line for the reabsorption effect (end-on-measurement), Acta Phys. Pol. A **72**, 547.
- Vitel, Y., Skowronek, M.: 1987, Noble gas line profiles in dense plasmas: I. Argon, J. Phys. B **20**, 6477.
- Wiese, W. L., Jones, W. D.: 1987, Ion broadening of heavy element lines in plasmas, ed. R. J. Exton, A. Deepak Publ., Hempton, Virginia, USA, 3.

1988

- Bailey, J., Tisone, G. C., Hurst, M. J., Morrison, R. L., Bieg, K. W.: 1988, Time-resolved visible spectroscopy of laser-produced lithium plasmas, Rev. Sci. Instrum. **59**, 1485.
- Djurović, S., Konjević, R., Platiša, M., Konjević, N.: 1988, J. Phys. B **21**, 739.
- Istrefi, L.: 1988, Rev. Roumaine Phys. **33**, 667.
- Kobilarov, R., Popović, M. V., Konjević, N.: 1988, Phys. Rev. A **37**, 1021.
- Musiol, K., Labusz, S., Pokrzywka, B.: 1988, JQSRT **40**, 143.
- Perez, M. C., de la Rosa, M. I., de Frutos, A. M., Santiago Mar: 1988, Calibration of the Stark parameters in several He lines, 9 ICSLS, Toruń, A 10.
- Vitel, Y., Skowronek, M., Dimitrijević, M. S., Popović, M. M.: 1988, Astron. Astrophys. **200**, 289.

1989

- Bakshi, V., Kearney, R. J.: 1989, Measurement of Stark width of some Ar I transitions in a d.c. argon plasma jet at atmospheric pressure, JQSRT **42**, 405.
- Ćuk, M. V.: 1989, Doktorska disertacija, Beograd. PMF.
- Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade **140**, 111.

- Djurović, S.: Konjević, N.: 1989, *Z. Phys*, D 10, 425.
- Francuski, T.: 1989, Diplomski rad, PMF Novi Sad.
- Griem, H. R.: 1989, Stark broadening in multielectron atoms and ions, in *Spectral Line Shapes 5*, ed. J. Szudy, Ossolineum, 17.
- Guimerans, Y., Iglesias, E. J., Mandellbaum, D., Sanchez, A.: 1989, Stark broadening measurement of the line 2058. 13nm of neutral helium in a linear discharge, *JQSRT* 42, 39.
- Kobilarov, R., Konjević, N., Popović, M. V.: 1989, *Phys. Rev. A* 40, 3871.
- Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* 37.
- Qui, N., Krishnan, M.: 1989, Theoretical and experimental study of uv lasers in Be-like ions pumped by resonant photoexcitation, *Phys. Rev. A* 39, 4651.
- Rao, P. M. R., Saraswathy, P., Oza, D. H., Rout, R. K., Kulkarni, I. V., Krishnamurty, G., Shyam, A., Auluck, S. K. H.: 1989, Line Broadening Studies in Low-Energy Plasma-Focus, *Pramana*, 32, 627.
- Seaton, M. J.: 1989, Atomic data for opacity calculations: XII. Line profile parameters for neutral atoms of He, C, N and O, *J. Phys*, B, 22, 3603.
- Uzelac, N. I.: 1989, Doktorska disertacija, Beograd PMF.
- Uzelac, N. I., Kobilarov, R., Konjević, N.: 1989, XIX ICPIG, Beograd, 346.
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. Dat* 5, 259.
- 1977**
- Lemaire, J. L.: 1977, Etude de l'effet de la masse de l'ion perturbateur sur la structure centrale du profil de la raie  $H_{\beta}$ , de l'hydrogène a l'aide d'un tube a ondes de choc a combustion, Thèse de docteur es-sciences physiques, L'Université Paris VII.
- 1986**
- Brown, P. J. F., Dufton, P. L., Lennon, D. J., Keenan, F. P., Kilkenny, D.: 1986, The chemical composition of the young open cluster NGC 6611, *Astron. Astrophys.* 155, 113.
- Dimitrijević, M. S., Kršljanin, V.: 1986, *Astron. Astrophys.* 165, 269.
- Dimitrijević, M. S., Truong Bach: 1986, *Z. Naturforsch.* 41a, 772.
- Di Rocco, H. O., Bertuccelli, G., Reyna Almandos, J., Gallardo, M.: 1986, Line shifts of singly ionized xenon in high current pinched discharges, *JQSRT* 35, 443.

Line Shapes Investigations in Yugoslavia II (1985–1989)

Dufton, P. L., Brown, P. J. F., Lennon, D. J., Lynas-Gray, A. E.: 1986, Non-LTE calculations of Al III line strengths in early-type stars, *MNRAS* **222**, 713.

Istrefi, L.: 1986, XIII SPIG, Šibenik, 337.

Konjević, R., Konjević, N.: 1986, *Fizika*, **18**, 327.

Konjević, N., Pittman, T. L.: 1986, *JQSRT* **35**, 473.

Kršljanin, V. M.: 1986, Magistarski rad, Beograd PMF.

Pittman, T. L., Konjević, N.: 1986, *JQSRT* **35**, 473.

Pittman, T. L., Konjević, N.: 1986, *JQSRT* **36**, 289.

Radovanov, S. B.: 1986, Fizičko-hemijske osobine plazme impulsnog pražnjenja u vodenim rastvorima elektrolita, Doktorska disertacija, Beograd PMF.

Radovanov, S. B., Tripković, M. R., Holclajtner-Antunović, I. D.: 1986, Diagnostics of Pulsed Discharge Plasma in Electrolyte, *Contrib. Plasma Phys.* **26**, 389.

Uzelac, N. I., Konjević, N.: 1986, *Phys. Rev. A* **33**, 1349.

**1987**

Adelman, S. J., Lanz, T. (eds.): 1987, *Elemental Abundance Analyses*, Inst. d'Astrophysique de l'Université de Lausanne.

Dimitrijević, M. S., Konjević, N.: 1987, *Astron. Astrophys.* **172**, 345.

Konjević, N., Pittman, T. L.: 1987, *JQSRT* **37**, 311.

Lanz de Huttwil, T.: 1987, *Le Spectre ultraviolet des étoiles ApSi*, Thèse, Université de Genève.

Pokrzywka, B., Musiol, K.: 1987, Iterative method of correcting measured total intensity of a spectral line for the reabsorption effect (end-on-measurement), *Acta Phys. Pol. A* **72**, 547.

Purić, J., Srećković, A., Djenize, S., Platiša, M.: 1987, *Phys. Rev. A* **36**, 3957.

Seaton, M. J.: 1987, Atomic data for opacity calculations: V. Electron impact broadening of some C III lines, *J. Phys. B.* **20**, 6431.

**1988**

Djenize, S., Srećković, A., Milosavljević, M., Lalbat, O., Platiša, M., Purić, J.: 1988, *Z. Phys. D* **9**, 129.

Istrefi, L.: 1988, *Rev. Roumaine Phys.* **33**, 667.

Kobilarov, R., Popović, M. V., Konjević, N.: 1988, *Phys. Rev. A* **37**, 1021.

Lanz, T., Dimitrijević, M. S., Artru, M. C.: 1988, *Astron. Astrophys.* **192**, 249.

Purić, J., Srećković, A., Djenize, S., Platiša, M.: 1988, *Phys. Rev. A* **37**, 4380.

Radovanov, S. B.: 1988, *A Spectroscopic and Thermodynamic Study of Pulsed Underwater Discharges*, Inv. Lectures of SPIG-88, 471.

Seaton, M. J.: 1988, *Atomic data for opacity calculations: VIII Line-profile parameters for 42 transitions in Li-like and Be-like ions*, *J. Phys. B* **21**, 3033.

**1989**

Ćuk, M. V.: 1989, *Doktorska disertacija*, Beograd PMF.

Dimitrijević, M. S.: 1989, *Bul. Obs. Astron. Belgrade* **140**, 111.

Djurović, S.: 1989, *Doktorska disertacija*, Beograd PMF.

Griem, H. R.: 1989, *Stark broadening in multielectron atoms and ions*, in *Spectral Line Shapes 5*, ed. J. Szudy, Ossolineum, 17.

Hey, J. D., Gawron, A., Xu, X. J., Breger, P., Kunze, H. J.: 1989, *Stark broadening of Ar IV lines in a dense plasma*, *J. Phys. B* **22**, 241.

Kobilarov, R., Konjević, N., Popović, M. V.: 1989, *Phys. Rev. A* **40**, 3871.

Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* **37**,

Kršljanin, V. Dimitrijević, M. S.: 1989, *Z. Phys. D* **14**, 273.

Kršljanin, V. Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade*, **140**, 7.

Kršljanin, V., Dimitrijević, M. S.: 1989, *Modified semiempirical Stark shift examination: II, Alkali-like singly charged ion lines Stark shift*, XIX IGPIG, Beograd, 332.

Uzelac, N. I.: 1989, *Doktorska disertacija*, Beograd ETF.

104. Purić, J., Labat, J., Ćirković, Lj.: 1976, *Regularities in Stark broadening parameters of spectral lines of homologous alkaline metals*, VIII SPIG, Dubrovnik, 420,

**1989**

Ćuk, M. V.: 1989, *Doktorska disertacija*, Beograd PMF.

106. Purić, J., Labat, J., Djenize, S., Ćirković, Lj., Lakićević, I.: 1976, *Experimental Measurements of Stark Shifts and Widths of Na I and K I*, *Phys. Lett. A* **56**, 83.

**1989**

Ćuk, M. V.: 1989, *Doktorska disertacija*, Beograd PMF.

Purić, J., Djenize, S., Srećković, A., Ćuk, M.: 1989, *Fizika* **20**, 485.

108. Wiese, W. L., Konjević, N.: 1976, *Regularities in the Stark widths of isolated lines*, VIII SPIG, Dubrovnik, 416.



1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

1977

110. Dimitrijević, M. S., Grujić, P.: 1977, *Curvilinear Trajectories and Stark Broadening of Hydrogen Lines*, XIII IGPIG, Berlin 131.

1988

Dimitrijević, M. S.: 1988, in *Classical Dynamics in Atomic and Molecular Physics*, eds. T. Grozdanov, P. Grujić, P. Krstić, World Scientific, Singapore, 403.

115. Movre, M., Pichler, G.: 1977, *Resonance Interaction and Self-Broadening of Alkali Resonance Lines I. Adiabatic Potential Curves*, J. Phys. B 10, 2631.

1985

Bussery, B., Aubert-Frécon, M.: 1985, Potential Energy Curves and Vibration-Polution Energies for the Two Purely Long-Range Bound States  $1_u$  and  $0_g^-$  of the Alkali Dimers  $M_2$  Dissociating to  $M(ns^2S_{1/2}) + M(np^2P_{3/2})$  with  $M=Na, K, Rb$  and  $Cs$ , J. Mol. Spectrosc. 113, 21.

Kantor, P. Ya., Mokhov, A. V., Pankin, N. P., and Shabanova, L. N.: 1985, Resonance broadening of 794.7- and 780.0-nm Rb I line, Opt. Spektrosk. 58, 1212 (Opt. Spectrosc. (USSR), 58, 745).

Singer, S. J., Freed, K. F., Bond, Y. B.: 1985, Photodissociation of diatomic molecules to open shell atoms, Advances in Chemical Physics, 61, 1.

1986

Milošević, S., Pichler, G.: 1986, Z. Phys. D 1, 223.

Movre, M.: 1986, in *The Physics of Ioniz. Gases (SPIG-86)*, World Scientific, 49.

Shabanova, L. N., Levoshkin, A. V.: 1986, Asymmetry in the profiles of the 466.2, 462.7, and 459.4-nm lines of Eu I during resonance broadening, Opt. Spektrosk. 61, 220 (Opt. Spectrosc. (USSR) 61, 142).

1987

Jongerius, M. J.: 1987, Influence of xenon on the self-reversal maxima of the Na-D emission lines in high-pressure sodium lamps, J. Appl. Phys. 62, 3138.

1988

Amiot, C., Demtröder, W., Vidal, C. R.: 1988, High resolution Fourier spectroscopy and laser spectroscopy of  $Cs_2$ : The  $2^1\Sigma_g^+$ , (C)  $2^1\Pi_u$ , (D)  $2^1\Sigma_u^+$ ,  $3^1\Sigma_g^+$  and (E)  $3^1\Sigma_u^+$  electronic states, J. Chem. Phys. 88, 5265.

1989

Gallagher, A., Pritchard, D. E.: 1989, Exoergic Collisions of Cold Na<sup>+</sup>-Na, Phys. Rev. Lett. 63, 957.

116. Platiša, M., Popović, M., Dimitrijević, M., Konjević, N.: 1977, *Stark Broadening of F II and Cl III Lines*, Astron. Astrophys. 54, 837.

1986

Kršljanin, M. V.: 1986, Magistarski rad, Beograd PMF.

1987

Dimitrijević, M. S., Konjević, N.: 1987, Astron. Astrophys. 172, 345.

Purić, J., Srećković, A., Djeniže, S., Platiša, M., Cekić, M.: 1987, XVIII ICPIG, Swansea, 484.

1988

Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1988, Phys. Rev. A 37, 4380.

1989

Hey, J. D., Gawron, A., Xu, X. J., Breger, P., Kunze, H. J.: 1989, Stark broadening of Ar IV lines in a dense plasma, J. Phys. B. 22, 241.

Kršljanin, V.: 1989, Publ. Obs. Astron. Belgrade 37.

117. Platiša, M., Dimitrijević, M. S., Popović, M., Konjević, N.: 1977, *Stark Broadening of Si III and Si IV Lines*, J. Phys. B 10, 2997.

1986

Brown, P. J. F., Dufton, P. L., Lennon, D. J., Keenan, F. P., Kilkenny, D.: 1986, The chemical composition of the young open cluster NGC 6611, Astron. Astrophys. 155, 113.

Lennon, D. J., Lynas-Gray, A. E., Brown, P. J. F., Dufton, P. L.: 1986, Non-LTE calculations of Silicon-line strengths in B-type stars, MNRAS 222, 719.

1987

Dimitrijević, M. S., Konjević, N.: 1987, Astron. Astrophys. 172, 345.

1988

Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Čuk, M.: 1988, Z. Phys. D 10, 431.

1989

Čuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

Purić, J., Djeniže, S., Srećković, A., Čuk, M.: 1989, Fizika 10, 485.

119. Purić, J., Labat, J., Čirković, Lj., Lakićević, I. S., Djeniže, S.: 1977, *Stark Broadening and Shift of Alkali-Metal Resonance Spectral Lines*, J. Phys. B 10, 2375.

1986

Dimitrijević, M. S., Sahal-Bréchet, S.: 1986, *Annales de Physique, Suppl.* au No. 3, 11, 181.

1987

Dimitrijević, M. S., Mihajlov, A. A., Popović, M. M.: 1987, *Astron. Astrophys. Suppl. Series 70*, 57.

Purić, J., Ćuk, M., Srećković, A., Djeniže, S.: 1987, XVIII ICPIG, Swansea, 482,

1988

Vitel, Y., Skowronek, M., Dimitrijević, M. S., Popović, M. M.: 1988, *Astron. Astrophys.* 200, 285.

Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1988, *Phys. Rev. A.* 37, 4380.

1989

Ćuk, M. V.: 1989, *Doktorska disertacija*, Beograd PMF.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1989, *Fizika* 20, 485.

120. Purić, J., Lakićević, I., Labat, J., Djenže, S., Ćirković, Lj.: 1977, *Stark Widths and Shifts of Some Neutral Fluorine Spectral Lines*, *Phys. Lett.* 63A, 243.

1986

Dimitrijević, M. S.: 1986, *Astron. Astrophys. Suppl. Series 64*, 591.

Mar, S., Czernichowski, A., Chapelle, J.: 1986, *Experimental Stark parameters for some spectral lines in SF<sub>6</sub> plasma*, *J. Phys. D* 19, 43.

1989

Ćuk, M. V.: 1989, *Doktorska disertacija*, Beograd PMF.

Djurović, S.: 1989, *Doktorska disertacija*, Beograd PMF.

Djurović, S., Konjević, N.: 1989, *Z. Phys. D* 10, 425.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1989, *Fizika* 20, 485.

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 PMF.

1988

Dimitrijević, M. S.: 1988, in *Classical Dynamics in Atomic and Molecular Physics*, eds. T. Grozdanov, P. Grujić, P. Krstić, World Science, P.C., Singapore, 403.

1989

Djurović, S.: 1989, *Doktorska disertacija*, Beograd PMF.

126. Dimitrijević, M. S., Grujić, P.: 1978, *Long-Range Potentials and Stark Broadening of Neutral Lines*, JQSRT 19, 407.

1988

Dimitrijević, M. S.: 1988, in *Classical Dynamics in Atomic and Molecular Physics*, eds. T. Grozdanov, P. Grujić, P. Krstić, World Science P. C., Singapore, 403.

Dimitrijević, M. S.: 1988, *Int. Conf. on Classical Dynamics in Atomic and Molecular Physics*, Brioni, 21.

1989

Grabowski, B.: 1989, *Wpływ zakrzywienia toru na szerokość i przesunięcie linii widmowych w przybliżeniu zderzeniowym*, Zeszyty Naukowe Wyższej Szkoły pedagogicznej im. Powstanców Śląskich w Opolu, Fizyka XXIII, 77.

127. Dimitrijević, M. S., Konjević, N.: 1978, *On the temperature dependence on Gaunt factors*, JQSRT 20, 223.

1987

Seaton, M. J.: 1987, *Atomic data for opacity calculations: V. Electron impact broadening of some C III lines*, J. Phys. B. 20, 6431.

1988

Dimitrijević, M. S.: 1988, *Bull. Obs. Astron. Belgrade* 139, 31.

Dimitrijević, M. S.: 1988, *Astron. stropšhys. Suppl. Series* 76, 53.

132. Pichler, G., Carlsten, J. L.: 1978, *Self-Broadening of the Tl 377.6 nm Resonance Line*, J. Phys. B 11, L483.

1989

Halenka, J., Vujičić, B., Djurović, S.: 1989, JQSRT 42, 571.

134. Platiša, M., Dimitrijević, M. S., Konjević, N.: 1978, *Stark Broadening of Ne II Lines*, *Astron. Astrophys.* 67, 103.

1986

Purić, J., Djeniže, S., Srećković, A., Labat, J., Ćirković, Lj.: 1987, In *Spectral Line Shapes 4*, ed. R. J. Exton, A. Deepak, Hampton, Virginia, USA, 55.

1988

Istrefi, L.: 1988, *Rev. Roumaine Phys.* 33, 667.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M., Labat, J., Platiša, M.: 1988, *Z. Phys. D* 8, 343.

1989

Ćuk, M. V.: 1989, *Doktorska disertacija*, Beograd PMF.

Lesage, A., Abadie, D., Miller, M. H.: 1989, *Stark broadening in krypton and xenon*, *Phys. Rev. A* 40, 1367.

- Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1989, *Fizika* 20, 485.
136. Platiša, M., Popović, M., Konjević, N.: 1978, *Experimental Stark widths of C(II) u. v. lines*, JQSRT 20, 447.
- 1988
- Djeniže, S., Srećković, A., Milosavljević, M., Labat, O., Platiša, M., Purić, J.: 1988, *Z. Phys*, D 9, 129.
- Istrefi, L.: 1988, *Rev. Roumaine Phys.* 33, 667.
- Pérez, M. C., de la Rosa, M. I., de Frutos, A. M., Santiago Mar: 1988, *Stark broadening of several C II lines*, 9 ICSSL, Toruń, A9.
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.* 67A, 189.
- 1986
- Dimitrijević, M. S., Mihajlov, A. A., Popović, M.: 1986, 8 ESCAMPIG Greifswald, 89.
- 1987
- Dimitrijević, M. S., Mihajlov, A. A., Popović, M. M.: 1987, *Astron. Astrophys. Suppl. Series* 70, 57.
- 1988
- Vitel, Y., Skowronek, M., Dimitrijević, M. S., Popović, M. M.: 1988, *Astron. Astrophys.* 200, 285.
- 1989
- Ćuk, M. V.: 1989, *Doktorska disertacija*, Beograd PMF.
138. Purić, J., Glavonjić, V.: 1978, *Regularities in Stark broadening of resonant spectral lines from He to Ca*, IX SPIG, Dubrovnik, 253.
- 1989
- Ćuk, M. V.: 1989, *Doktorska disertacija*, Beograd PMF.
145. Wiese, W. L., Konjević, N.: 1978, *Regularities in plasma-broadened line widths*, IX SPIG, Dubrovnik, 257.
- 1989
- Ćuk, M. V.: 1989, *Doktorska disertacija*, Beograd PMF. 1979
- 1979
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.
- 1986
- Dimitrijević, M. S., Konjević, N.: 1986, *Astron. Astrophys.* 163, 297.

1988

Dimitrijević, M. S.: 1988, in *Classical Dynamics in Atomic and Molecular Physics*, eds. T. Grozdanov, P. Grujić, P. Krstić, World Science P. C., Singapore, 405.

Dimitrijević, M. S.: 1988, *Int. Conf. on Classical Dynamics in Atomic and Molecular Physics*, Brioni, 21.

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 (Rev. Research Fac. Sci. Univ. Novi Sad) 9, 307.

1989

Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* 140, 111.

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.

1988

Griem, H. R.: 1988, *Shifts of hydrogen and ionized helium lines from  $\Delta n = 0$  interactions with electrons in dense plasmas*, *Phys. Rev. A* 38, 2943.

Oza, D. H., Green, R. L., Kelleher, D. E.: 1988, *Collisional broadening of the Balmer- $\alpha$  transition of H and  $He^+$  in plasmas*, *Phys. Rev. A* 37, 531.

1989

Djurović, S.: 1989, *Doktorska disertacija*, Beograd PMF.

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.

1985

Kantor, P. Ya., Mokhov, A. V., Penkin, N. P., Shabanova, L. N.: 1985, *Resonance broadening of 794.7- and 780.0-nm Rb I line*, *Opt. Spektrosk.* 58, 1212 (*Opt. Spectrosc. (USSR)* 53, 745).

1986

Beuc, R., Movre, M., Pichler, G.: 1986, *XIII SPIG*, Šibenik, 381.

158. Platiša, M., Popović, M., Dimitrijević, M. S., Konjević, N.: 1979, *Stark broadening of  $S(III)$  and  $S(IV)$  lines*, *JQSRT* 22, 333.

1987

Dimitrijević, M. S., Konjević, N.: 1987, *Astron. Astrophys.* 172, 345.

1988

Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Čuk, M.: 1988, *Z. Phys. D* 10, 431.

1989

Čuk, M. V.: 1989, *Doktorska disertacija*, Beograd PMF.

159. Purić, J., Lakićević, I. S., Glavonjić, 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.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

160. Purić, J., Lakićević, I., Glavonjić, 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.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

161. Raymer, M. G., Carlsten, J. L., Pichler, G.: 1979, *Comparison of collisional redistribution and emission line shapes*, J. Phys. B 12, L 119.

1987

Herman, B. J., Eberly, J. H.: 1987, Coherent pulse propagation in a collisionally - broadened Raman amplifier, Opt. Commun. 62, 130.

Watanabe, J., Kinoshita, S., Kushida, T.: 1987, Effects of nonzero correlation time of system-reservoir interaction on the excitation profiles of second-order optical processes in  $\beta$ -carotene, J. Chem. Phys. 87, 4471.

1988

Czub, J., Fiutak, J., Miklaszewski, W.: 1988, On the scattering of a light pulse on a single atom perturbed by collisions with inert gas atoms, Z. Phys. D 9, 287.

1989

Fiutak, J., Miklaszewski, W., Alhasan, A. M.: 1989, The effect of hyperfine structure on the collisional relaxation of the thalium atom excited by laser beam II. Transient population inversion, Z. Phys. D 14, 195.

Herman, B. J., Eberly, J. H., Raymer, M. G.: 1989, Coherent propagation of Stokes light in a collisionally broadened three-level amplifier, Phys. Rev. A 39, 3447.

162. Vadla, Č., Vujnović, V.: 1979, *Measurement of broadening parameters of neutral Carbon lines in the vacuum ultraviolet*, Phys. Rev. A 20, 1573.

1986

Goly, A., Weniger, S.: 1986, Stark broadening of some C(I) and N(I) vacuum ultraviolet lines, JQSRT 36, 147.

1980

169. Dimitrijević, M. S., Konjević, N.: 1980, *Stark line widths of doubly- and triply- ionized atom lines*, JQSRT 24, 451.

1986

- Dimitrijević, M. S.: 1986, IAU Coll. 94: Phys. of Formation of Fe II Lines Outside LTE, Capri, 47.
- Dimitrijević, M. S., Artru, M. C.: 1986, XIII SPIG, Šibenik, 317.
- Dimitrijević, M. S., Konjević, N.: 1986, XIII SPIG, Šibenik, 313.
- Dimitrijević, M. S., Konjević, N., Kršljanin, V. M.: 1986, 8 ICSSL, Williamsburg, A12.
- Dimitrijević, M. S., Konjević, N., Kršljanin, V. M.: 1986, 8 ICSSL, Williamsburg, A11.
- Dimitrijević, M. S., Kršljanin, V.: 1986, XIII SPIG, Šibenik, 321.
- Dimitrijević, M. S., Kršljanin, V.: 1986, *Astron. Astrophys.* **165**, 269.
- Konjević, N., Pittman, T. L.: 1986, *JQSRT* **35**, 473.
- Kršljanin, V. M.: 1986, Magistarski rad, Beograd PMF.
- Kršljanin, V., Dimitrijević, M. S.: 1986, *Colloq. on Atomic Spectra and Oscillator Strengths for Astrophysics and Fusion Research*, Toledo (USA), P8.
- Lennon, D. J., Lynas-Gray, A. E., Brown, P. J. F., Dufton, P. L.: 1986, Non-LTE calculations of silicon-line strengths in B-type stars, *MNRAS* **222**, 719.
- Marasinghe, P. A. B., Lovett, R. J.: 1986, An evaluation of methods for estimating the electron Stark widths of atomic spectral lines, *Spectrochim. Acta* **41B**, 349.

1987

- Adelman, S. J., Lanz, T. (eds.): 1987, *Elemental Abundance Analyses*, Inst. d'Astronomie de l'Université de Lausanne.
- Böttcher, F., Musielok, J., Kunze, H. J.: 1987, Stark broadening of C IV and N V lines in the vacuum-uv spectral range, *Phys. Rev. A* **36**, 2265.
- Dimitrijević, M. S., Konjević, N.: 1987, *Astron. Astrophys.* **172**, 345.
- Dimitrijević, M. S., Konjević, N., Kršljanin, V.: 1987, in *Spectral Line Shapes 4*, ed. R. J. Exton, A. Deepak, Hampton, Virginia, USA, 63.
- Dimitrijević, M. S., Konjević, N., Kršljanin, V.: 1987, in *Spectral Line Shapes 4*, ed. R. J. Exton, A. Deepak, Hampton, Virginia, USA, 65.
- Dimitrijević, M. S., Sahal-Bréchet, S.: 1987, in *Radiative Excitation and Ionization Processes*, Inst. Phys. Univ. Zagreb, 76.
- Konjević, N., Pittman, T. L.: 1987, *JQSRT* **37**, 311.
- Kršljanin, V.: 1987, in *Radiative Excitation and Ionization Processes*, Zagreb, 80.



Kunze, H. J.: 1987, The Gas-Linear pinch and its potential as a plasma source for spectroscopic investigations, ed. R. J. Exton, A. Deepak, Hampton, Virginia, USA, 23.

Lanz, T., Dimitrijević, M. S., Artru, M. C.: 1987, II Workshop: Astrophysics in Yugoslavia, Beograd, 33.

Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1987, Phys. Rev. A **36**, 3957.

Seaton, M. J.: 1987, Atomic data for opacity calculations V. Electron impact broadening of some C III lines, J. Phys. B **20**, 6431.

Vitel, Y., Skowronek, M., Dimitrijević, M. S., Popović, M. M.: 1987, II Workshop: Astrophysics in Yugoslavia, Beograd, 15.

### 1988

Dimitrijević, M. S.: 1988, Bull. Obs. Astron. Belgrade **139**, 31.

Dimitrijević, M. S.: 1987, in Physics of Formation of Fe II lines outside LTE, eds. R. Viotti, A. Vittone, M. Friedjung, D. Reidel, P.C., 211.

Dimitrijević, M. S.: 1988, Astron. Astrophys. Suppl. Series **76**, 53.

Dimitrijević, M. S.: 1988, Bull. Obs. Astron. Belgrade **139**, 70.

Dimitrijević, M. S., Djurić, Z., Mihajlov, A. A.: 1988, Int. Conf. Phys. Multiply Charged Ions and Int. Workshop on E. C. R. Ion Sources, Grenoble, 2.16.

Dimitrijević, M. S., Popović, M. M.: 1988, XIV SPIG, Sarajevo, 289.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1988, XIV SPIG, Sarajevo, 333.

Djeniže, S., Srećković, A., Milosavljević, M., Labat, O., Platiša, M., Purić, J.: 1988, Z. Phys. D **9**, 129.

Istrefi, L.: 1988, Rev. Roumaine Phys. **33**, 667.

Lanz, T., Dimitrijević, M. S., Artru, M. C.: 1988, Astron. Astrophys. **192**, 249.

Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988, Phys. Rev. A **37**, 498.

### 1989

Böttcher, F., Breger, P., Hey, J. D., Kunze, H. J.: 1989, Dependence of the Stark broadening on the emitter charge for the 3s-3p transitions of Li-like ions, Phys. Rev. A **38**, 2690.

Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade **140**, 111.

Dimitrijević, M. S., Popović, M. M.: 1989, Astron. Astrophys. **217**, 201.

Dimitrijević, M. S., Popović, M. M.: 1989, XIX ICPIG, Beograd, 338.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1989, XIX ICPIG, Beograd, 334.

Hey, J. D., Breger, P.: 1989, The classical Kramers-Gaunt factor in Stark broadening calculations, J. Phys. B **22**, L79.

- Hey, J. D., Gawron, A., Xu, X. J., Breger, P., Kunze, H. J.: 1989, Stark broadening of Ar IV lines in a dense plasma, *J. Phys. B* **22**, 241.
- Kršljanin, V.: 1989, *Bull. Obs. Astron. Belgrade* **37**.
- Kršljanin, V.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 123.
- Kršljanin, V., Dimitrijević, M. S.: 1989, *Z. Phys. D* **14**, 273.
- Kršljanin, V., Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 111.
- Kršljanin, V., Dimitrijević, M. S.: 1989, III Workshop: Astrophysics in Yugoslavia, Zagreb, 11.
- Maron, Y., Sarid, E., Zahavi, O., Perelmutter, L., Sarfaty, M.: 1989 Particle-velocity distribution and expansion of a surface-flashover plasma in the presence of magnetic fields, *Phys. Rev. A* **39**, 5842.
- Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1989, *Fizika* **20**, 485.
- Uzelac, N. I.: 1989, Doktorska disertacija, Beograd ETF.
171. Lakićević, I. S., Purić, J.: 1980, *Stark broadening dependence on the atomic polarizability*, X SPIG, Dubrovnik, 218.
- 1989
- Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.
175. Miller, M. H., Lesage, A., Purić, J.: 1980, *Stark broadening trends in homologous ions*, *Astrophys. J.* **239**, 410.
- 1989
- Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.
176. Movre, M., Pichler, G.: 1980, *Resonance interaction and selfbroadening of alkali resonance lines II. Quasi-static wing profiles*, *J. Phys. B* **13**, 697.
- 1985
- Kantor, P. Ya., Mokhov, A. V., Penkin, N. P., Shabanova, L. N.: 1985, Resonance broadening of 794.7- and 780.0-nm Rb I line, *Opt. Spektrosk.* **58**, 1212 (*Opt. Spectrosc. (USSR)* **58**, 745).
- Kantor, P. Ya., Penkin, N. P., Shabanova, L. N.: 1985, Profile of K I 769.9- and 766.5-nm lines on resonance broadening, *Opt. Spektrosk.* **59**, 193, (*Opt. Spectrosc. (USSR)* **59**, 113).
- 1986
- Beuc, R., Movre, M., Pichler, G.: 1986, XIII SPIG, Šibenik, 381.
- Milošević, S., Pichler, G.: 1986, *Z. Phys. D* **1**, 223.
- 1987
- Jongorius, M. J.: 1987, Influence of xenon on the self-reversal maxima of the Na-D emission lines in high-pressure sodium lamps, *J. Appl. Phys.* **62**, 3138.

Line Shapes Investigations in Yugoslavia II (1985–1989)

Penkin, N. P., Shabanova, L. N.: 1987, *Stolknovitel'noe ushirenie v kryl'yakh spektral'nykh linij i mezhatomnye potencialy*, in Radiative Excitation and Ionization Processes, Inst. Phys. Univ. Zagreb, 9.

179. Pavlov, M., Terzić, M.: 1980, *Influence of boundary layers in T-tube plasmas on hydrogen line profiles*, V ESCAMPIG, Dubrovnik, 92.

1981

Pavlov, M., Djurović, S., Radujkov, V., Vujičić, B.: 1981, Adiabatic expansion of plasma behind reflected shock front in a T-tube as the main cause for electron density and temperature decay, Zbornik radova PMF (Review of Research Faculty of Science), University of Novi Sad, 11, 63.

184. Purić, J., Lakićević, I. S.: 1980, *Stark broadening dependence on the ionization potential*, X SPIG, Dubrovnik 216.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

186. Purić, J., Lakićević, I. S., Glavonjić, V.: 1980, *Stark width and shift dependence on the ionization potential*, Phys. Lett. 76A, 128.

1986

Oumarou Bouba: 1986, Théories quantique et semiclassique des intégrales radiales de transitions dipolaires et multipolaires des états excités: applications au calcul des forces d'oscillateurs et des probabilités de transition dans l'approximation à une configuration, Thèse de doctorat d'état, Université d'Orleans.

1987

Adelman, S. J., Lanz, T. (eds.): 1987, Elemental abundance analyses, Inst. d'Astronomie de l'Université de Lausanne.

1988

Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988, Phys. Rev. A. 37, 498.

Vitel, Y., Skowronek, M., Dimitrijević, M. S., Popović, M. M.: 1988, Astron. Astrophys. 200, 285.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

Dimitrijević, M. S., Popović, M. M.: 1989, Astron. Astrophys. 217, 201.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1989, Fizika 20, 485.

Sarandaev, E. V., Salakhov, M.: 1989, Parametry Shtarkovskogo ushireniya linij nejtral'nogo svinca i odnokratno ionizovannoj medi, Optika i spektroskopiya, 66, 463.

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.

1985

- Kantor, P. Ya., Mokhov, A. V., Penkin, N. P., Shabanova, L. N.: 1985, Resonance broadening of 794.7- and 780.0-nm Rb I line, Opt. Spektrosk. **58**, 1212 (Opt. Spectrosc. (USSR) **58**, 745).

- Veža, D., Milošević, S., Pichler, G.: 1985, Opt. Commun. **56**, 172.

1986

- Beuc, R., Movre, M., Pichler, G.: 1986, XIII SPIG, Šibenik, 381.

- Veža, D.: 1986, in The Phys. Ioniz. Gases (SPIG-86), World Scientific P.C., Singapore, 363.

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. Commun. **34**, 77.

1985

- Johnson, D. E., Eden, J. G. : 1985, Continua in the visible absorption spectrum of K<sub>2</sub>, J. Opt. Soc. Am. B **2**, 721.

- Pitatelev, G. V., Lukashenko, V. I.: 1985, The origin of K<sub>2</sub>, Rb<sub>2</sub>, and Cs<sub>2</sub> triplet  $1^3\Pi_g - X^3\Sigma_u^+$  bands in discharge, Opt. Commun. **55**, 110.

1986

- Palle, M., Milošević, S., Veža, D., Pichler, G.: 1986, Opt. Commun. **57**, 394.

- Veža, D.: 1986, in The Phys. Ioniz. Gases (SPIG-86), World Scientific P.C., Singapore, 363.

1988

- Pichler, G., Veža, D., Fijan, D.: 1988, Opt. Commun. **67**, 45.

- Yih, T. S., Wu, R. C. Y.: 1988, Observation of an ultraviolet diffuse band in the Na<sub>2</sub> Molecule, Opt. Commun. **68**, 35.

1989

- Luh, W. T., Li, Y., Huennekens, J.: 1989, 830 nm Emission in Sodium Vapor, Appl. Phys. B **49**, 349.

1981

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.

1986

- Dimitrijević, M. S.: 1986, Astron. Astrophys. Suppl. Series **64**, 591.

Line Shapes Investigations in Yugoslavia II (1985-1989)

- Dimitrijević, M. S., Mihajlov, A. A., Popović, M. M.: 1986, 8 ES-CAMPIG, Greifswald, 89.
- Dimitrijević, M. S. T, Kršljanin, V.: 1986, *Astron. Astrophys.* **165**, 269.
- Kršljanin, V. M.: 1986, Magistarski rad, Beograd PMF
- 1987**
- Dimitrijević, M. S., Konjević, N.: 1987, *Astron. Astrophys.* **172**, 345.
- Dimitrijević, M. S., Mihajlov, A. A., Popović, M. M.: *Astron. Astrophys. Suppl. Series* **70**, 57.
- 1988**
- Dimitrijević, M. S.: 1988, *Astron. Astrophys. Suppl. Series* **76**, 53.
- Dimitrijević, M. S.: 1988, *Bull. Obs. Astron. Belgrade* **139**, 31.
- Seaton, M. J.: 1988, Atomic data for opacity calculation VIII. Line-profile parameters for 42 transitions in Li-Like and Be-like ions, *J. Phys. B* **21**, 3033.
- 1989**
- Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 111.
- Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* **37**.
- Kršljanin, V., Dimitrijević, M. S.: 1989, *Z. Phys. D* **14**, 273.
199. Dimitrijević, M. S., Konjević, N.: 1981, *Semiempirical Stark line widths of alkali like ions*, *Astron. Astrophys.* **102**, 93.
- 1986**
- Dimitrijević, M. S., Kršljanin, V.: 1986, *Astron. Astrophys.* **165**, 269.
- Kršljanin, V. M.: 1986, Magistarski rad, Beograd PMF.
- 1988**
- Dimitrijević, M. S.: 1988, *Bull. Obs. Astron. Belgrade*, **139**, 31.
- Dimitrijević, M. S.: 1988, *Astron. Astrophys. Suppl. Series* **76**, 53.
- 1989**
- Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* **37**.
- Kršljanin, V., Dimitrijević, M. S.: 1989, *Z. Phys. D* **14**, 273.
- Kršljanin, V., Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 7.
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.
- 1985**
- Babin, S. A., Donin, V., I.: 1985, Proval Lemba i vremena zhizni nizhnikh lazernykh urovnej iona ArIII, *Opt. Spectrosc.* **59**, 983.

1986

- Dimitrijević, M. S., Konjević, N., Kršljanin, M. V.: 1986, SICSL, Williamsburg All.
- Dimitrijević, M. S., Konjević, N.: 1986, XIII SPIG, Šibenik, 313.
- Dimitrijević, M. S., Kršljanin, V.: 1986, XIII SPIG, Šibenik, 321.
- Dimitrijević, M. S., Kršljanin, V.: 1986, *Astron. Astrophys.* **165**, 269.
- Dimitrijević, M. S., Truong Bach: *Z. Naturforsch.* **41a**, 772.
- Ehrich, H., Karlau, J., Müller, K. G.: 1986, Initiation of Arcing at a Plasma-Wall Contact, *IEEE Transaction on Plasma Science*, **PS-14**, 603.
- Konjević, N., Pittman, T. L.: 1986, *JQSRT* **35**, 473.
- Kršljanin, V. M.: 1986, Magistarski rad, Beograd, PMF.
- Ryabcev, A. N.: 1986, Ushirenje v plazme atomnykh urovnej smeshchennykh termov lezhaschchikh nizhe granicy ionizacii, *Pisma v ZhETF* **44**, 124.

1987

- Dimitrijević, M. S., Konjević, N.: 1987, *Astron. Astrophys.* **172**, 345.
- Dimitrijević, M. S., Konjević, N., Kršljanin, V.: 1987, in *Spectral Line Shapes 4*, ed. R. J. Exton, Hampton, Virginia USA, 63.
- Dimitrijević, M. S., Peach, G.: 1987, in *Radiative excitation and ionization processes*, Inst. Phys. Univ. Zagreb, 19.
- Konjević, N., Pittman, T. L.: 1987, *JQSRT* **37**, 311.
- Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1987, *Phys. Rev. A* **36**, 3957.

1988

- Dimitrijević, M. S.: 1988, in *Physics of Formation of FeII Lines outside LTE*, eds. R. Viotti, A. Vittone, M. Friedjung, D. Reidel P. C., Dordrecht, 211.
- Dimitrijević, M. S.: 1988, *Bull. Obs. Astron. Belgrade* **139**, 31.
- Dimitrijević, M. S.: 1988, *Astron. Astrophys. Suppl. Series* **76**, 53.
- Dimitrijević, M. S., Sahal-Bréchet, S.: 1988, XIV SPIG, Sarajevo, 333.
- Djeniže, S., Srećković, A., Milosavljević, M., Labat, O., Platiša, M., Purić, J.: 1988, *Z. Pphys. D* **9**, 129.
- Griem, H. R.: 1988, Plasma shifts of ion lines, *J. Phys. Suppl. au No 3*, **49**, C1-293.
- Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Čuk, M.: 1988, *Z. Phys. D* **10**, 431.
- Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988 *Phys. Rev. A* **37**, 498.

Line Shapes Investigations in Yugoslavia II (1985-1989)

Purić, J., Djeniže, S., Srećković, A., Ćuk, M., Labat, J., Platiša, M.: 1988, Z. Phys. D 8, 343.

Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1988, Phys. Rev. A 37, 4380.

Seaton, M. J.: 1988, Atomic data for opacity calculations: VIII Line-profile parameters for 42 transitions in Li-like and Be-like ions, J. Phys, B 21, 3037.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

Dimitrijević, M. S., Popović, M. M.: 1989, Astron. Astrophys. 217, 201.

Griem, H. R.: 1989, Stark broadening in multielectron atoms and ions, in Spectral Line Shapes 5, ed. J. Szudy, Ossolineum, 17.

Kršljanin, V.: 1989, Publ. Obs. Astron. Belgrade 37.

Kršljanin, V., Dimitrijević, M. S.: 1989, Z. Phys. D 14, 273.

Kršljanin, V., Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade 140, 7.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1989, Fizika 20, 485.

Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1989, XIX ICPIG, Beograd 328.

201. Dimitrijević, M. S., Konjević, N.: 1981, *On the Stark broadening of ionized nitrogen lines*, JQSRT 25, 387.

1986

Brown, F. J. F., Dufton, P. L., Lennon, D. J., Keenan, F. P., Kilkenny, D.: 1986, The chemical composition of the young open cluster NGC 6611, Astron. Astrophys. 155, 113.

Dimitrijević, M. S., Kršljanin, V.: 1986, Astron. Astrophys. 165, 269.

Kršljanin, V. M.: 1986, Magistarski rad, Beograd PMF.

1987

Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1987, Phys. Rev. A 36, 3957.

1988

Dimitrijević, M. S.: 1988, Bull. Obs. Astron. Belgrade 139, 31.

Dimitrijević, M. S.: 1988, Astron. Astrophys. Suppl. Series 76, 53.

Istrefi, L.: 1988, Rev. Roumaine Phys. 33, 667.

1989

Kršljanin, V.: 1989, Publ. Obs. Astron. Belgrade 37.

Kršljanin, V., Dimitrijević, M. S.: 1989, Z. Phys. D 14, 273.

- Kršljanin, V., Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 7.
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, 191.
- 1989
- Francuski, T.: 1989, Diplomski rad, Novi Sad, PMF.
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, p. 241.
- 1986
- Kršljanin, V. M.: 1986, Magistarski rad, Beograd PMF.
- 1987
- Kršljanin, V.: 1987, in *Radiative Excitation and Ionization Processes*, Zagreb, 80.
- 1988
- Dimitrijević, M. S., Peach, G.: 1988, 9 ICSSL, Toruń, D9.
- 1989
- Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.
- Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade*, **140**, 111.
- Dimitrijević, M. S., Popović, M. M.: 1989, XIX ICPIG, Beograd, 338.
- Dimitrijević, M. S., Popović, M. M.: 1989, *Astron. Astrophys.* **217**, 201.
- Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* **37**.
- Kršljanin, V., Dimitrijević, M. S.: 1989, *Z. Phys. D* **14**, 273.
205. Istrefi, L.: 1981, *Širenje spektralnih linija višestruko jonizovanih atoma u plazmi*, Doktorska disertacija, PMF Priština.
- 1986
- Istrefi, L.: 1986, XIII SPIG, Šibenik, 337.
- 1988
- Istrefi, L.: 1988, *Rev. Roumaine Phys.* **33**, 667.
206. Lakićević, I. S., Purić, J.: 1981, *Stark widths and shifts systematic trends*, XV ICPIG, Minsk, 1603.
- 1989
- Ćuk, M. V.: 1981, Doktorska disertacija, Beograd PMF.
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, p. 253.



1986

Dimitrijević, M. S., Kršljanin, V.: 1986, *Astron. Astrophys.* **165**, 269.

Kršljanin, V.: 1986, Magistarski rad, Beograd PMF.

1989

Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* **37**.

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1989, *Fizika* **20**, 485.

Uzelac, N. I.: 1989, Doktorska disertacija, Beograd PMF.

209. Milošević, S.: Pichler, G.: 1981, *Investigation of absorption spectra of pure dense potassium vapor*, *Fizika* **13**, 377.

1985

Johnson, D. E., Eden, J. G.: 1985, *Continua in the visible absorption spectrum of K<sub>2</sub>* *J. Opt. Soc. Am. B* **2**, 721.

1986

Milošević, S., Pichler, G., Düren, R., Hasselbrink, E.: 1986, *Chem. Phys. Lett.*, **128**, 145.

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, p. 852.

1986

Veža, D.: 1986, in *The Physics of the Ionized Gases (SPIG-86)*, World Scientific, 363.

212. Purić, J.: 1981, *Regularities and trends in Stark parameters of neutral and ion spectral lines*, XVI ICPIG, Minsk, 311.

1984

Rathore, B. A., Lakićević, I. S., Ćuk, M., Purić, J.: 1984, *Phys. Lett.* **100A**, 31.

1985

Purić, J., Ćuk, M., Rathore, B. A., Lakićević, I. S.: 1985, *Phys. Lett.* **106A**, 374.

Rathore, B. A., Purić, J., Ćuk, M., Lakićević, I. S.: 1985, *Sing. J. Phys.* **2**, 105.

1987

Purić, J., Ćuk, M., Srećković, A., Djeniže, S.: 1987, XVIII ICPIG, Swansea, 482.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

213. Purić, J., Labat, O., Lakićević, I.: 1981, *Stark parameter dependence on the ionisation potential, in Spectral Line Shapes*, ed. B. Wende, W. de Gruyter, Berlin, New York, 249.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd, PMF.

215. Purić, J., Lakićević, I. S., Glavonjić, V.: 1981, *Some regularities within the Stark Widths and Shifts of Resonance Ion Lines from Li to Ca*, JQSRT, 26, 65.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

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.

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, 196.

Johnson, D. E., Eden, J. G.: 1985, Continua in the visible absorption spectrum of  $K_2$ , J. Opt. Soc. Am. B 2, 721.

Pitatelev, G. V., Cukashenko, V. I.: 1985, The origin of  $K_2$ ,  $Rb_2$  and  $Cs_2$  triplet  $1^3\Pi_g - X^3\Sigma_u^+$  bands in discharge, Opt. Commun. 55, 110.

Veža, D., Milošević, S., Pichler, G.: 1985, Opt. Commun. 56, 172

1986

Milošević, S., Beuc, R., Pichler, G.: 1986, Superheating in the Heat-Pipe Oven, Appl. Phys. B 41, 135.

Palle, M., Milošević, S., Veža, D., Pichler, G.: 1986, Opt. Commun. 57, 394.

Beuc, R., Milošević, S., Veža, D., Pichler, G.: 1986, 8ICSLs, Williamsburg, D8.

Veža, D.: 1986, in The Physics of Ioniz. Gases (SPIG-86), World Scientific, 363.

1987

Beuc, R., Milošević, S., Veža, D., Pichler, G.: 1987, in Spectral Line Shapes 4, ed. R. J. Exton, A. Deepak Publ., Hampton, Virginia, 385.

1988

Pichler, G., Fijan, D., Veža, D., Rukavina, J., Schlejen, J.: 1988, Chem. Phys. Lett. 147, 497.

220. Beuc, R., Movre, M., Vadla, Č.: 1982, *Blue asymmetry of potassium resonance lines broadened by Cesium atoms*, J. Phys. B 15, 1333.

1986

Milošević, S., Beuc, R., Pichler, G.: 1986, Superheating in the Heat-Pipe Oven, Appl. Phys. B 41, 135.

Movre, M.: 1986, in The Phys. Ioniz. Gases (SPIG-86), World Scientific, 49.

1987

Bussery, B., Ackkar, Y., Aubert-Frécon, M.: 1987, Long-range molecular states dissociating to the three or four lowest asymptotes for the ten heteronuclear diatomic alkaline molecules, Chem. Physics 116, 319.

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.

1986

Dimitrijević, M. S., Kršljanin, V.: 1986, Astron. Astrophys. 165, 269.

Kršljanin, V. M.: 1986, Magistarski rad, Beograd PMF. Sahal-Bréchet, S.: 1986, Line Broadening, in Reports on Astronomy, ed. R. M. West, Reidel, P. C., 139,

1987

Adelman, S. J., Lanz, T. (eds. ): 1987, Elemental abundance Analyses, Inst. d'Astronomie de l'Université de Lausanne.

1988

Dimitrijević, M. S.: 1988, Astron. Astrophys. Suppl. Series 76, 53.

Dimitrijević, M. S.: 1988, in Physics of Formation of Fe II lines outside LTE, eds. R. Viotti, A. Vittone, M. Friedjung, D. Reidel, P.C., 211.

Dimitrijević, M. S.: 1988, Bull. Obs. Astron. Belgrade 139, 31.

1988

Kršljanin, V.: 1989, Publ. Obs. Astron. Belgrade 37.

Kršljanin, V., Dimitrijević, M. S.: 1989, Z. Phys. D 14, 273.

Kršljanin, V., Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade 140, 7.

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.

**1986**

Dimitrijević, M. S.: Kršljanin, V. M.: 1986, *Astron. Astrophys.* **165**, 269.

Kršljanin, V. M.: 1986, Magistrski rad, Beograd PMF.

Sahal-Bréchet, S.: 1986, Line Broadening, in *Reports on Astronomy*, ed. R. M. West, Reidel P. C., 139.

Vince, I. I.: 1986, doktorska disertacija, Beograd PMF.

**1988**

Dimitrijević, M. S.: 1988, *Astron. Astrophys. Suppl. Series* **76**, 53.

Dimitrijević, M. S.: 1988, *Bull. Obs. Astron. Belgrade* **139**, 31.

**1989**

Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 111.

Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* **37**.

Kršljanin, V., Dimitrijević, M. S.: 1989, *Z. Phys. D* **14**, 273.

Kršljanin, V., Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 7.

**229.** Dimitrijević, M. S.: 1982, *On the Variation of Stark Line Widths within a Supermultiplet*, *Astron. Astrophys.* **112**, 251.

**1986**

Dimitrijević, M. S.: 1986, *Astron. Astrophys. Suppl. Series* **64**, 591.

Dimitrijević, M. S., Konjević, N.: 1986, *Z. Naturforsch.* **41a**, 772.

Dimitrijević, M. S., Konjević, N.: 1986, *Astron. Astrophys.* **163**, 297.

Dimitrijević, M. S., Kršljanin, V.: 1986, *Astron. Astrophys.* **165**, 269.

Dimitrijević, M. S., Truong Bach: 1986, *Annales de Physique Suppl. au No 3*, **11**, 183.

Kršljanin, V. M.: 1986, Magistarski rad, Beograd PMF.

Oumarou Boubou: 1986, Théories quantique et semi-classique des intégrales radiales de transitions dipolaires et multipolaires des états excités: applications au calcul des forces d'oscillateur et des probabilités de transition dans l'approximation a une configuration, Thèse de doctorat d'état, Université d'Orleans.

**1988**

Dimitrijević, M. S.: 1988, *Bull. Obs. Astron. Belgrade* **139**, 31.

Dimitrijević, M. S.: 1989, *Astron. Astrophys. Suppl. Series* **76**, 53.

**1989**

Dimitrijević, M. S., 1989, *Bull. Obs. Astron. Belgrade* **140**, 111.

- Kršljanin, V.: 1989, Publ. Obs. Astron. Belgrade 37.
- Kršljanin, V., Dimitrijević, M. S.: 1989, Z. Phys. D 14, 217.
- Kršljanin, V., Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade 140, 7.
230. Dimitrijević, M., Cornille, M., Feautrier, N., Sahal-Bréchet, S.: 1982, *Resonant scattering (autoionization) contribution to Stark broadening of ion lines*, XI SPIG, Dubrovnik, 281.
- 1986
- Dimitrijević, M. S., Feautrier, N., Sahal-Bréchet, S.: 1986, XIII SPIG, Šibenik, 313.
233. Dimitrijević, M. S., Konjević, N.: 1982, *Semiclassical calculations of electron impact Stark widths of S(III), Cl(III) and S(IV) isolated lines*, JQSRT 27, 203.
- 1986
- Sahal-Bréchet, S.: 1986, Line Broadening, in Reports on Astronomy, ed. R. M. West, Reidel P. C., 139.
- 1988
- Dimitrijević, M. S.: 1988, Bull. Obs. Astron. Belgrade 139, 70.
236. Düren, R., Hasselbrink, E., Tischer, H., Milošević, S., Pichler, G.: 1982, *On the  $^2\Sigma$ -potentials for the interaction of K(4p) and K(5p) with argon*, Chem. Phys. Lett. 89, 218.
- 1985
- Woerdman, J. P., Schlejen, J., Korving, J., van Hemert, M. C., de Groot, J. J., van Hall, R. P. M.: 1985, Analysis of satellite and undulation structure in the spectrum of Na+Hg continuum emission, J. Phys. B 18, 4205.
- 1986
- Lackschewitz, Maier, J., Pauly, H.: 1986, Investigation of the K( $^2S, ^2P$ )-Hg interaction at collision energies between 0.5 and 6 eV, J. Chem. Phys. 84, 181.
- 1988
- Pichler, G., Fijan, D., Veža, D., Rukavina, J., Schlejen, J.: 1988, Chem. Phys. Lett. 147, 497.
- Schlejen, J., Woerdman, J. P., Pichler, G.: 1988, J. Mol. Spectrosc. 128, 1.
237. Istrefi, L.: 1982, *Stark broadening of spectral lines in some N II multiplets*, XII SPIG, Dubrovnik, 295.
- 1986
- Istrefi, L.: 1986, XIII SPIG, Šibenik, 337.

1988

Istrefi, L.: 1988, *Rev. Roumaine Phys.*, **33**, 667.

242. Konjević, N., Kobilarov, R.: 1982, *On the influence of Debye shielding on electron impact widths within Stark broadened multiplets*, XI SPIG, Dubrovnik, 285.

1986

Dimitrijević, M. S., Truong-Bach: 1986, *Annales de Physique, Suppl. au No 3*, **11**, 183.

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.

1989

Ćuk, M. V.: 1989, *Doktorska disertacija*, Beograd PMF.

244. Lakićević, I. S.: 1982, *Regularnosti i sistematski trendovi Stark-ovih parametara spektralnih linija u plazmi*, *Doktorska disertacija*, Beograd PMF.

1984

Rathore, B. A., Lakićević, I. S., Ćuk, M., Purić, J.: 1984, *Phys. Lett.* **100A**, 31.

Purić, J., Ćuk, M., Rathore, B. A., Lakićević, I. S.: 1984, *Phys. Lett.* **106A**, 374.

1985

Rathore, B. A., Purić, J., Ćuk, M., Lakićević, I. S.: 1985, *Sing. J. Phys.* **2**, 105.

1989

Ćuk, M. V.: 1989, *Doktorska disertacija*, Beograd PMF.

248. Lakićević, I. S., Purić, J., Ćuk, M.: 1982, *Stark width and shift of Cs I 852.11 nm resonance line*, *Phys. Lett.* **91A**, 19.

1989

Ćuk M. V.: 1989, *Doktorska disertacija*, Beograd PMF.

249. Manola, S., Richou, J., Lesage, A.: 1982, *Experimental Stark width of  $\lambda = 5419 \text{ \AA}$  Xe II line*, XI SPIG, Dubrovnik, 293.

1987

Vitel, Y., Skowronek, M.: 1987, *Noble gas line profiles in dense plasmas: II Krypton and xenon*, *J. Phys. B.* **20**, 6493.

1988

Mokhtari, A.: 1988, *Étude et réalisation d'un plasma dense quasi-stationnaire et homogène de 1 m de long en presence d'un champ*

magnetique module spatialement, Thèse de doctorat de l'Université Paris 6.

Mokhtari, A., Vitel, Y., Skowronek, M.: 1988, New experimental investigation of a dense plasma effect on Stark broadening of some Xe II lines, XIV SPIG, Sarajevo, 349.

1989

Uzelac, N. I.: 1989, Doktorska disertacija, Beograd ETF.

254. Purić, J., Lakićević, I. S., Rathore, B. A., Ćuk, M.: 1982, *Stark width and shift of copper and silver resonance lines*, XI SPIG, Dubrovnik, 303.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

258. Rathore, B. A.: 1982, *Study of Stark widths of some spectral lines of Ne I, Si I, Si II, Cr II, Co I, Ni I, Cu I, Zn I, Pb I, Ag I, In I, In II, and Hg I in plasmas*, Doctoral thesis, Beograd PMF

1984

Purić, J., Ćuk, M., Rathore, B. A., Lakićević, I. S.: 1984, *Phys. Lett. A* 106, 374.

Rathore, B. A., Lakićević, I. S., Ćuk, M., Purić, J.: 1984, *Phys. Lett. A* 100, 31.

1985

Rathore, B. A., Purić, J., Ćuk, M., Lakićević, I. S.: 1985, *Sing. J. Phys.* 2, 105.

1987

Purić, J., Ćuk, M., Rathore, B. A.: 1987, *Phys. Rev. A* 35, 1132.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

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.

1985

Huennekens, J., Wu, Z., Walker, T. G.: 1985, Ionization, excitation of high-lying atomic states, and molecular fluorescence in Cs vapor excited at 455.7 and 459.4nm, *Phys. Rev. A* 31, 196.

1986

Veža, D.: 1986, in *The Phys. Ioniz. Gases (SPIG-88)*, World Scientific, 363.

264. Wiese, W. L., Konjević, N.: 1982, *Regularities and similarities in plasma broadened spectral widths (Stark widths)*, *JQSRT* 28, 185.

1986

- Dimitrijević, M. S.: 1986, *Astron. Astrophys. Suppl. Series*, **64**, 591.  
Dimitrijević, M. S., Truong-Bach: 1986, *Z. Naturforsch.* **41a**, 772.  
Djurović, S., Konjević, R., Platiša, M., Konjević, N.: 1988, *J. Phys. B* **21**, 739.  
Goly, A., Weniger, S.: 1986, Stark broadening of some C(I) and N(I) vacuum ultraviolet lines, *JQSRT* **36**, 147.  
Konjević, R., Konjević, N.: 1986, *Fizika* **4**, 327.  
Kršljanin, V. M.: 1986, Magistarski rad, Beograd PMF.  
Pitman, T. L., Konjević, N.: 1986, *JQSRT*, **35**, 247.  
Purić, J., Ćuk, M.: 1986, XIII SPIG, Šibenik, 345.

1987

- Adelman, S. J., Lanz, T. (eds. ): 1987, *Elemental abundance analyses*, Inst. d'Astronomie de l'Université de Lausanne.  
Kršljanin, V.: 1987, in *Radiative Excitation and Ionization Processes*, Zagreb, 80.  
Pokrzywka, B., Musiol, K.: 1987, Iterative method of correcting measured total intensity of a spectral line for the reabsorption effect (end-on-measurement), *Acta Phys. Pol. A.* **72**, 547.

1988

- Zhu, Q, Bridges, J. M., Hahn, T. D., Wiese, W. L.: 1988, Stark broadening of neutral nitrogen transitions, XIX ICPIG Beograd, 344.

1989

- Ćuk, M. V.: 1989, *Doktorska disertacija*, Beograd PMF.  
Dimitrijević, M. S., Popović, M. M.: 1989, *Astron. Astrophys.* **217**, 201.  
Djurović, S.: 1989, *Doktorska disertacija*, Beograd PMF.  
Djurović, S., Konjević, N.: 1989, *Z. Phys. D* **10**, 425.  
Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* **37**.

1983

265. Dimitrijević, M. S.: 1983, *Stark broadening of Si II and Si III spectral lines*, *Astron. Astrophys.* **127**, 68.

1986

- Dimitrijević, M. S., Kršljanin, V.: 1986, *Astron. Astrophys.* **165**, 269.  
Kršljanin, V. M.: 1986, Magistarski rad, Beograd PMF.  
Lennon, D. J., Lynas-Gray, A. E., Brown, P. J. F., Dufton, P. L.: 1986, Non-LTE calculations of silicon-line strengths in B-type stars, *MNRAS* **222**, 719.



Sahal-Bréchet, S.: 1986, Line Broadening, in Reports on Astronomy, ed. R. M. West, Reidel P. C., 139.

1987

Lanz de Huttwil, T.: 1987, Le spectre ultraviolet des étoiles ApSi, Thèse, Université de Genève.

1988

Dimitrijević, M. S.: 1988, Astron. Astrophys. Suppl. Series 76, 53.

Dimitrijević, M. S.: 1988, Bull. Obs. Astron. Belgrade 139, 31.

Lanz, T., Dimitrijević, M. S., Artru, M.-C.: 1988, Astron. Astrophys. 192, 249.

1989

Kršljanin, V.: 1989, Publ. Obs. Astron. Belgrade 37,

Kršljanin, V., Dimitrijević, M. S.: 1989, Z. Phys. D 14, 273.

Kršljanin, V., Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade 140, 7.

Lesage, A., Lebrun, J. L., Miller, M. H., Manola, S.: 1989, XIV ICPIG, Beograd 280.

267. Dimitrijević, M. S., Fautrier, N., Sahal-Bréchet, S.: 1983, *Influence of different collisional processes on the Stark broadening*, Fizika 15, 205.

1986

Dimitrijević, M. S.: 1986, Astron. Astrophys. Suppl. Series 64, 591.

Dimitrijević, M. S., Mihajlov, A. A., Popović, M. M.: 1986, 8ES-CAMPIG, Greifswald, 89.

1987

Dimitrijević, M. S., Mihajlov, A. A., Popović, M. M.: 1987, Astron. Astrophys. Suppl. Series, 70, 57.

268. Dimitrijević, M. S., Konjević, N.: 1983, *Stark broadening of isolated spectral lines of heavy elements in plasmas*, JQSRT 30, 45.

1986

Musiol, K., Pokrzywka, B., Labusz, S.: 1986, Measurements of Stark widths of Ge I lines, Ann. Phys. Suppl. No 3, 11, 143.

Oumarou Bouba: 1986, Théories quantique et semi-classique des intégrales radiales de transitions dipolaires et multipolaires des états excités: applications au calcul des forces d'oscillateur et des probabilités de transition dans l'approximation à une configuration, Thèse de doctorat d'état, Université d'Orleans.

Sahal-Bréchet, S.: 1986, Line Broadening, in Reports on Astronomy, ed. R. M. West, Reidel P.C., 139.

1987

Pokrzywka, B., Musiol, K.: 1987, Iterative method of correcting measured total intensity of a spectral line for the reabsorption effect (end-on-measurement), *Acta Phys. Pol. A* **72**, 547.

Purić, J., Djeniže, S., Srećković, A., Milosavljević, M., Labat, J.: 1987, XVIII ICPIG, Swansea, 484.

1988

Djurović, S., Konjević, R., Platiša, M., Konjević, N.: 1988, *J. Phys. B* **21**, 739.

Musiol, K., Labusz, S., Pokrzywka, B.: 1988, *JQSRT* **40**, 143.

Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988, *Phys. Rev. A* **37**, 498.

Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1988, *Phys. Rev. A* **37**, 4380.

1989

Djurović, S.: 1989, Doktorska disertacija, Beograd PMF.

Griem, H. R.: 1989, Stark broadening in multielectron atoms and ions, in *Spectral Line Shapes 5*, ed. J. Szudy, Ossolineum, 17.

Purić, J., Djeniže, S., Srećković, A., Čuk, M.: 1989, *Fizika* **20**, 485.

Sarandaev, E. V., Salakhov, M. H.: 1989, Parametry Shtarkovskogo ushireniya linij nejtral'nogo svinca i odnokratno ionizovannoj medi, *Optika i spektroskopiya*, **66**, 463.

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.

1988

Djurović, S., Konjević, R., Platiša, M., Konjević, N.: 1988, *J. Phys. B* **21**, 739.

1989

Djurović, S.: 1989, Doktorska disertacija, Beograd PMF.

278. Lakićević, I. S.: 1983, *Estimated Stark widths and shifts of neutral atom and singly charged ion resonance lines*, *Astron. Astrophys.* **127**, 37.

1986

Oumarou Bouba: 1986, Théories quantique et semi-classique des intégrales radiales de transitions dipolaires et multipolaires des états excités: applications au calcul des forces d'oscillateur et des probabilités de transition dans l'approximation à une configuration, Thèse de doctorat d'état, Université d'Orleans.

- 1987  
Adelman, S. J., Lanz, T. (eds.): 1987, *Elemental Abundances Analyses*, Inst. d'Astronomie de l'Université de Lausanne.
- 1988  
Lanz, T., Dimitrijević, M. S., Artru, M. C.: 1988, *Astron. Astrophys.* 192, 249.
- 1989  
Dimitrijević, M. S., Popović, M. M.: 1989, *Astron. Astrophys.* 217, 201.  
Sarandaev, E. V., Salakhov, M. H.: 1989, *Parametry Shtarkovskogo ushireniya linij neutral'nogo svinca i odnokratno ionizovannoj medi, Optika i Spektroskopiya* 66, 463.
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.
- 1989  
Ćuk, M. V.: 1989, *Doktorska disertacija*, Beograd PMF.  
Dimitrijević, M. S., Popović, M. M.: 1989, *Astron. Astrophys.* 217, 20.
280. Lakićević, I. S., Purić, J.: 1983, *Stark shift trends in homologous ions*, *J. Phys. B*, 16, 1525.
- 1986  
Sahal-Bréchet, S.: 1986, *Line Broadening*, in *Reports on Astronomy*, ed. R. M. West, Reidel P. C.: 139.
- 1987  
Dimitrijević, M. S., Mihajlov, A. A., Popović, M. M.: 1987, *Astron. Astrophys. Suppl. Series*, 70, 57.
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.
- 1984  
Purić, J., Ćuk, M., Rathore, B. A., Lakićević, I. S.: 1984, *Phys. Lett. A* 106, 374.  
Rathore, B. A., Lakićević, I. S., Ćuk, M., Purić, J.: 1984, *Phys. Lett. A* 100, 31.
- 1985  
Rathore, B. A., Purić, J., Ćuk, M., Lakićević, I. S.: 1985, *Sing. J. Phys.* 2, 105.
- 1986  
Brown, P. J. F., Dufton, P. L., Lennon, D. J., Keenan, F. P., Kilkenny, D.: 1986, *The chemical composition of the young open cluster NGC6611*, *Astron. Astrophys.* 155, 113.

- Lennon, D. J., Lynas-Gray, A. E., Brown, P. J. F., Dufton, P. L.: 1986, A non-LTE calculations of silicon-line strengths in B-type stars, *MNRAS* **222**, 719.
- Sahal-Bréchet, S.: 1986, Line Broadening, in *Reports on Astronomy*, ed. R. M. West, Reidel P.C., 139.
- 1987**
- Adelman, S. J., Lanz, T. (eds. ): 1987, *Elemental Abundance Analyses*, Inst. d'Astronomie de l'Univeristé de Lausanne.
- 1988**
- Lanz, T., Dimitrijević, M. S., Artru, M.-C.: 1988, *Astron. Astrophys.* **192**, 249.
- Purić, J., Djenize, S., Labat, J., Platiša, M., Srećković, A., Čuk, M.: 1988, *Z. Phys. D* **10**, 431.
- 1989**
- Lesage, A., Lebrun, J. L., Miller, M. H., Manola, S.: 1989, XIX ICPIG, Beograd, 280.
- Pérez, C., de la Rosa, I., de Frutos, A., Gonzales, V., Mar, S.: 1989, Stark broadening of several Si II lines, *Collisions et Rayonnement*, Orleans.
- Uzelac, N. I.: 1989, *Doktorska disertacija*, Beograd PMF.
283. Pichler, G., Milošević, S., Veža, D., Beuc, R.: 1983, *Diffuse bands in the visible absorption spectra of dense alkali vapors*, *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.
- Veža, D., Milošević, S., Pichler, G.: 1985, *Opt. Commun.* **56**, 172.
- Johnson, D. E., Eden, J. G.: 1985, Continua in the visible absorption spectrum of  $K_2$ , *J. Opt. Soc. Am. B* **2**, 721.
- 1986**
- Beuc, R., Milošević, S., Veža, D., Pichler, G.: 1986, 8ICSLs, Williamsburg, D8.
- Kowalczyk, P., Radzewicz, C.: 1986, Spectral properties of the diffuse violet band in  $Na_2$  emission: key to the understanding of the excitation mechanisms, *Chem. Phys.* **102**, 377.
- Kowalczyk, P., Milošević, S., Pichler, G.: 1986, 8ICSLs, Williamsburg, D9.
- Milošević, S., Pichler, G., Düren, R., Haselbrink, E.: 1986, *Chem. Phys. Lett.* **128**, 145.

Milošević, S., Pichler, G.: 1986, *Z. Phys. D* **1**, 223.

Schlejen, J., Mooibroek, J., Korving, J., Woerdman, J. P., de Groot, J. J.: 1986, Identification of satellites in the ultraviolet spectrum of sodium vapour, *Chem. Phys. Lett.* **128**, 489.

Vadla, Č., Niemax, K.: Pichler, G.: 1986, *Z. Phys. D* **2**, 233.

Veža, D.: 1986, in *The Phys. Ioniz. Gases (SPIG-86)*, World Scientific, 363.

Xie, X. Field, R. W.: 1986, Perturbation Facilitated Optical-Optical-Double Resonance spectroscopy of the  ${}^6\text{Li}_2$ ,  $3^3\Sigma_g^+$ ,  $2^3\Pi_g$ ,  $1^3\Delta_g$ ,  $b^3\Pi_u$ , and  $a^3\Sigma_u^+$  states. *J. Mol. Spectrosc.* **117**, 223.

### 1987

Beuc, R., Milošević, S., Veža, D., Pichler, G.: 1987, in *Spectral Line Shapes 4*, ed. R. J. Exton, A. Deepak Publ., Hampton, Virginia, 385.

Kowalczyk, P., Milošević, S., Pichler, G.: 1987, in *Spectral Line Shapes, Vol. 4*, ed. R. J. Exton, A. Deepak Publ., Hampton, Virginia, 387.

Kowalczyk, P., Milošević, S., Pichler, G.: 1987, in *Radiative Excitation and Ionization Processes*, Inst. Phys. Univ. Zagreb, 29.

### 1988

Huennekens, J., Loza, A., Masters, M., Sando, K. M.: 1988, Near-infrared bound-free emission from the NaK Molecule, *J. Chem. Phys.* **88**, 6013.

Luh, W.-T., Bahns, J. T., Lyyra, A. M., Sando, K. M., Kleiber, P. D., Stwalley, W. C.: 1988, Direct excitation studies of the diffuse bands of alkali metal dimers, *J. Chem. Phys.* **88**, 2235.

Milošević, S.: 1988, in *The Phys. Ioniz. Gases (SPIG-88)*, 517.

Yih, T. S., Wu, R. C. Y.: 1988, Observation of an ultraviolet diffuse band in the  $\text{Na}_2$  molecule, *Opt. Commun.* **68**, 35.

### 1989

Bahns, J. T., Pichler, G., Stwalley, W. C.: 1989, *J. Chem. Phys.* **90**, 2841.

Kowalczyk, P., Milošević, S., Pichler, G.: 1989, *Z. Phys. D* **11**, 213.

Schlejen, J., Jalink, C. J., Korving, J., Woerdman, J. P., Müller, W.: 1989, The absorption spectrum of NaNa from 350 to 1075 nm, *J. Phys. B* **20**, 2691.

284. Pichler, G., Milošević, S., Veža, D., Bosanac, S.: 1983, *Peculiar diffuse bands in  $\text{Li}_2$ ,  $\text{Na}_2$  and  $\text{K}_2$  absorption spectra*, in *Spectral Line Shapes II*, ed. K. Burnett, W. de Gruyter, Berlin, New York, 613.

Quennekens, 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.

Wu, H. H., Chu, T. C., Wu, C. Y. R.: 1987, Intense Spontaneous Amplified Emission of  $\text{Li}_2$  Diffuse Violet Bands in the  $4400 \text{ \AA}$  Region, *Appl. Phys. B* **43**, 225.

Quennekens, J., Loza, A., Masters, M., Sando, K. M.: 1988, Near infrared bound-free emission from the NaK molecule, *J. Chem. Phys.* **88**, 6013.

Chuh, W.-T., Bahns, J. T., Lyyra, A. M., Sando, K. M., Keiber, P. D., Stwalley, W. C.: 1988, Direct excitation studies of the diffuse bands of alkali metal dimers, *J. Chem. Phys.* **88**, 2235.

Milošević, S.: 1988, in *The Phys. Ioniz. Gases (SPIG-88)*, 517.

Pichler, G., Milošević, S., Veža, D., Vukićević, D.: 1983, *Interference and continua in the  $\text{Rb}_2$  spectrum*, *J. Phys. B* **16**, 4633.

Johnson, D. E., Eden, J. G.: 1985, Continua in the visible absorption spectrum of  $\text{K}_2$ , *J. Opt. Soc. Am. B* **2**, 721.

Veža, D., Milošević, S., Pichler, G.: 1985, *Opt. Commun.* **56**, 172.

Chuh, W. T., Bahns, J. T., Sando, K. M., Stwalley, W. C., Heneghan, S. P., Chakravorty, K. P., Pichler, G., Konowalow, D. D.: 1986, *Chem. Phys. Lett.* **131**, 335.

Pichler, G., Bahns, J. T., Sando, K. M., Stwalley, W. C., Konowalow, D. D., Li, L., Field, R. W., Müller, W., : 1986, *Chem. Phys. Lett.* **129**, 425.

Milošević, S., Kowalczyk, P., Pichler, G.: 1987, *J. Phys. B* **20**, 2231.

Allegri, M., Cremoncini, A., Gozzini, S., Moi, L.: 1988, Excitation of the  $\text{K}_2$  Molecule by the  $406.7$  nm and  $413.1$  nm  $\text{Kr}^+$  Laser Lines, *Nuovo Cimento D*, **10**, 721.

Quennekens, J., Loza, A., Masters, M., Sando, K. M.: 1988, Near-infrared bound-free emission from the Na K molecule, *J. Chem. Phys.* **88**, 6013.

- Luh, W.-T., Bahns, J. T., Lyyra, A. M., Sando, K. M., Kleiber, P. D., Stwalley, W. C.: 1988, Direct excitation studies of the diffuse bands of alkali metal dimers, *J. Chem. Phys.* **88**, 2235.
- Milošević, S.: 1988, in *The Phys. Ioniz. Gases (SPIG-88)*, 517.
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, 161.
- 1989
- Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.
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.
- 1989
- Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.
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.
- 1986
- Nick, K. -P., Helbig, V.: 1986, Experimental Stark broadening parameters for Ar II and Xe II Lines, *Physica Scripta*, **33**, 55.
- 1987
- Vitel, Y., Skowronek, M.: 1987, Noble gas line profiles in dense plasma: II. Krypton and Xenon, *J. Phys. B* **20**, 6493.
- 1988
- Mokhtar, A.: 1988, Étude et réalisation d'un plasma dense quasi-stationnaire et homogène de 1 m de long en présence d'un champ magnétique modulé spatialement, Thèse de doctorat de l'Université Paris 6.
- 1989
- Uzelac, N. I.: Doktorska disertacija, Beograd PMF.
- Uzelac, N. I., Konjević, N.: 1989, *J. Phys. B* **22**, 2517.
292. Veža, D., Pichler, G.: 1983, *Peculiar asymmetry in the wings of self broadened Li and Na last resonance lines*, *Opt. Commun.* **45**, 39.
- 1985
- Bezuglov, N. N., Klyucharev, A. N., Pichler, G., Veža, D.: 1985, The influence of reflection of light quanta from the boundary of an absorbing medium on the effectiveness of resonance-radiation capture, *JQSRT* **34**, 1.

1986

Dreike, P. L., Tisone, G. C.: 1986, Production and diagnosis of a lithium anode plasma source for intense ion beam diodes, *J. Appl. Phys.* **59**, 371.

1987

Jongerius, M. J.: 1987, Influence of xenon on the self-reversal maxima of the Na-D emission lines in high-pressure sodium lamps, *J. Appl. Phys.* **62**, 3138.

294. Veža, D., Milošević, S., Pichler, G.: 1983, *Triplet satellite in very far blue wing of the self-broadened Sodium*, in *Spectral Line Shapes II*, ed. K. Burnett, W. de Gruyter, Berlin, New York, 679.

1985

Pitatelev, G. V., Lukashenko, V. I.: 1985, The origin of  $K_2$ ,  $Rb_2$  and  $Cs_2$  triplet  $1^3\Pi_g - X^3\Sigma_u^+$  bands in discharge, *Opt. Commun.* **55**, 110.

1986

Palle, M., Milošević, S., Veža, D., Pichler, G.: 1986, *Opt. Commun.* **57**, 394.

1987

Wu, H. H., Chu, T. C., Wu, C. Y., R.: 1987, Intense Spontaneous Amplified Emission of  $Li_2$  Diffuse Violet Bands in the 4400 Å Region, *Appl. Phys. B* **43**, 225.

1988

Luh, W. -T., Bahns, J. T., Lyyra, A. M., Sando, K. M., Kleiber, P. D., Stwalley, W. C.: 1988, Direct excitation studies of the diffuse bands of alkali metal dimers, *J. Chem. Phys.* **88**, 2235.

295. Vujnović, V., Vadla, Č., Lokner, V., Dimitrijević, M. S.: 1983, *Half-widths of neutral fluorine spectral lines*, *Astron. Astrophys.* **123**, 249.

1986

Dimitrijević, M. S.: 1986, *Astron. Astrophys. Suppl. Series* **64**, 591.

Mar, S., Czernichowski, A., Chappelle, J.: 1986, Experimental Stark parameters for some spectral lines in  $SF_6$  plasma, *J. Phys. D* **19**, 43.

Sahal-Bréchet, S.: 1986, Line Broadening, *Reports on Astronomy*, ed. R. M. West, Reidel P.C., 139.

1989

Djurović, S.: 1989, *Doktorska disertacija*, Beograd PMF.

Djurović, S., Konjević, N.: 1989, *Z. Phys. D* **10**, 425.

1984



296. Beuc, R., Milošević, S., Pichler, G.: 1984, *New diffuse bands in the KRb molecule*, J. Phys. B 17, 739.
- 1985
- Veža, D., Milošević, S., Pichler, G.: 1985, Opt. Commun. 56, 172.
- Johnson, D. E., Eden, J. G.: 1985, Continua in the visible absorption spectrum of K<sub>2</sub>, J. Opt. Soc. Am. B 2, 729.
- 1988
- Milošević, S.: 1988, in The Phys. Ioniz. Gases (SPIG-88), 517.
- 1989
- Bahns, J. T., Pichler, G., Stwalley, W. C.: 1989, J. Chem. Phys. 90, 2841.
297. Beuc, R., Movre, M., Vadla, Č.: 1984, *The impact broadening of the 1st potassium resonance lines by rubidium atoms*, J. Phys. B 17, 1845.
- 1985
- Djerad, M. T., Harima, H., Chéret, M.: 1985, *Associative ionisation in Rb(nL)-K(4S) collisions*, J. Phys. B 18, L815.
- 1986
- Movre, M.: 1986, in The Phys. Ioniz. Gases (SPIG-86), World Scientific, 49.
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, L283.
- 1986
- Grabowski, B., Dimitrijević, M. S.: 1986, XIII SPIG, Šibenik, 299.
- 1987
- Grabowski, B.: 1987, Debye shielding and trajectory effects in the phase shift calculations, XVIII ICPIG, Swansea, 56.
- Grabowski, B.: 1987, Effects of Debye shielding in the electron broadening calculations, Pramana-J. Phys. B, 29, 455.
- 1988
- Dimitrijević, M. S.: 1988, Int. Conf. on Classical Dynamics in Atomic and Molecular Physics, Brioni 21.
- Dimitrijević, M. S.: 1988, in Classical Dynamics in Atomic and Molecular Physics, eds. T. Grozdanov, P. Grujić, P. Krstić, World Science P.C., 403.
- 1989
- Grabowski, B.: 1989, Wpływ zakrzywienia toru na szerokość i przesunięcie linii widmowych w przybliżeniu zderzeniowym, Zeszyty naukowe

Wyszej szkoły pedagogicznej im. Powstancow Slaskich w Opolu,  
Fizyka XXIII, 77.

302. Dimitrijević, M. S.: 1984, *Electron impact line widths of the resonance lines of Be-like ions*, *Astron. Astrophys.* **131**, 327.

1986

Kršljanin, V. M.: 1986, Magistarski rad, Beograd PMF.

Sahal-Bréchet, S.: 1986, *Line Broadening*, in *Reports on Astronomy*, ed. R. M. West, Reidel P.C., 139.

1987

Kršljanin, V.: 1987, in *Radiative Excitation and Ionization Processes*, Zagreb, 80.

1989

Kršljanin, V.: 1989, *Bull. Obs. Astron. Belgrade* **37**.

Kršljanin, V., Dimitrijević, M. S.: 1989, *Z. Phys. D* **14**, 273.

303. Dimitrijević, M. S., Konjević, N.: 1984, *On the Dependence of Stark Widths and Shift on the Ionization Potential*, *Z. Naturforsch.* **39a**, 553.

1986

Purić, J., Čuk, M.: 1986. XIII SPIG, Šibenik, 345.

1989

Dimitrijević, M. S., Popović, M. M.: 1989, *Astron. Astrophys.* **217**, 201.

306. Dimitrijević, M. S., Sahal-Bréchet, S.: 1984, *Stark broadening of neutral helium lines*, *JQSRT* **31**, 301.

1986

Dimitrijević, M. S., Sahal-Bréchet, S.: 1986, *Annales de physique, Suppl. au No 3*, **11**, 181.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1986, *8 ICSSLs*, Williamsburg, A 10.

Keliher, P. N., Boyko, W. J., Clifford, R. H., Snyder, J. L., Zhu, S. F.: 1986, *Emission Spectrometry, Anal. Chem.* **58**, 335R.

Sahal-Bréchet, S.: 1986, *Line Broadening*, in *Reports on Astronomy*, ed. R. M. West, Reidel, P.C., 301.

Vince, I. I.: 1986, *Doktorska disertacija*, Beograd PMF.

1987

Adelman, S. J., Lanz, T. (eds.): 1987, *Elemental Abundance Analyses*, Inst. d'Astronomie de l'Université de Lausanne.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1987, *JQSRT* **38**, 37.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1987, in *Spectral Line Shapes 4*, ed. R. J. Exton, A. Deepak, Hampton, Virginia USA., 61.

Dimitrov, D. I.: 1987, The interacting binary  $\beta$  Lyr, II. Non-LTE Model Analysis and Evolutionary Conclusions, Bull. Astron. Inst. Czechoslov. **38**, 240.

Vince, I., Dimitrijević, M. S.: 1987, in Spectral Line Shapes 4, ed. R. J. Exton, A. Deepak, Hampton, Virginia USA, 621.

**1988**

Dimitrijević, M. S., Sahal-Bréchet, S.: 1988, 9 ICSSL, A12.

Kobilarov, R., Konjević, N., Popović, M. V.: 1988, XIV SPIG, Sarajevo, 341.

Musielok, B., Madej, J.: 1988, Variability of Balmer lines in Ap stars, Astron. Astrophys. **202**, 143.

**1989**

Bohlender, D. A.: 1989, Delta Orionis C and HD 58260: Peculiar Helium-strong stars? Astrophys. J. **346**, 459.

Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade **140**, 111.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1989, III Seminar: Astrofizika u Jugoslaviji, Zagreb, 10.

Francuski, T.: 1989, Diplomski rad, Novi Sad PMF.

Guimerans, Y., Iglesias, E. J., Mandelbaum, D.: Sanchez, A.: 1989, Stark broadening measurements of the line 2058.13 nm of neutral helium in a linear discharge, JQSRT **42**, 39.

Uzelac, N. I., Kobilarov, R., Konjević, N.: 1989, XIX ICPIG, Beograd, 346.

Vujičić, B. T., Djurović, S., Halenka, J.: 1989, Z. Phys. D **11**, 119.

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.

**1986**

Dimitrijević, M. S., Konjević, N.: 1986, Astron. Astrophys. **163**, 297.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1986, 8 ICSSL, Williamsburg A 10.

Keliher, P. N., Boyko, W. J., Clifford, R. H., Snyder, J. L., Zhu, S. F.: 1986, Emission spectrometry, Anal. Chem. **58**, 335R.

Sahal-Bréchet, S.: 1986, Line Broadening, in Reports on Astronomy, ed. R. M. West, Reidel P. C., 139.

**1987**

Dimitrijević, M. S., Sahal-Bréchet, S.: 1987, in Spectral Line Shapes 4, ed. R. J. Exton, A. Deepak, Hampton, Virginia USA, 61.

1988

Dimitrijević, M. S., Sahal-Bréchet, S.: 1988, 9 ICSSL, A 12.

Lanz, T., Dimitrijević, M. S., Artru, M.-C.: 1988, *Astron. Astrophys.* **192**, 249.

1989

Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 111.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1989, III Seminar: *Astrofizika u Jugoslaviji*, Zagreb, 10.

Kobilarov, R., Konjević, N., Popović, M. V.: 1989, *Phys. Rev. A.* **40**, 3871.

Michaud, G., Bergeron, P., Heber, U., Wesemael, F.: 1989, Studies of hot B subdwarfs VII. Non-LTE Radiative acceleration of helium in the atmospheres of sdOB stars, *Astrophys. J.* **338**, 417.

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.

1986

Dimitrijević, M. S.: 1986, *Astron. Astrophys. Suppl. Series* **64**, 591.

Djurović, S., Konjević, N.: 1986, XIII SPIG, Šibenik, 333.

Konjević, R., Konjević, N.: 1986, *Fizika* **18**, 327.

Keliher, P. N., Boyko, W. J., Clifford, R. H., Snyder, J. L., Zhu, S. F.: 1986, Emission spectrometry, *Analyt. Chem.* **58**, 335R.

Marasinghe, P. A. B., Lovett, R. J.: 1986, An evaluation of methods for estimating the electron Stark widths of atomic spectral lines, *Spectrochimica Acta* **41B**, 349.

Vitel, Y.: 1986, Etude des plasmas denses faiblement non ideaux créés dans les tubes a éclairés, Thèse de doctorat d'état, l'Université Paris VI.

1987

Adelman, S. J., Lanz, T. (eds. ): 1987, *Elemental Abundance Analyses*, Inst. d'Astronomie de l'Université de Lausanne.

Jones, W. D., Pichler, G., Wiese, W. L.: 1987, *Phys. Rev. A* **35**, 2585.

Dimitrijević, M. S., Konjević, N.: 1987, *Astron. Astrophys.* **172**, 345.

Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1987, *Phys. Rev. A* **36**, 3957.

Vitel, Y., Skowronek, M.: 1987, Noble gas line profiles in dense plasmas: II. Krypton and xenon, *J. Phys. B* **20**, 6493.

Wiese, W. L., Jones, W. D.: 1987, Ion broadening of heavy element lines in plasmas, in *Spectral Line Shapes 4*, ed. R. J. Exton, A. Deepak Publ., Hampton, Virginia, USA, 3.

1988

Djurović, S., Konjević, R., Platiša, M., Konjević, N.: 1988, *J. Phys. B* **21**, 739.

Nadeau, D.: 1988, A Determination of the shifts induced in the visible and infrared lines of iron by the convective motions in the solar photosphere, *Astrophys. J.* **325**, 480.

Pérez, M. C., de la Rosa, M. I., de Frutos, A. M., Santiago Mar: 1988, Calibration of the Stark Parameters in several He lines, 9 ICSLS, Toruń, A 10.

Vitel, Y., Skowronek, M., Dimitrijević, M. S., Popović, M.: 1988, *Astron. Astrophys.* **200**, 285.

Vujičić, B. T., Kobilarov, R.: 1988, 9 ICSLS, Toruń, A 18.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 111.

Djurović, S.: 1989, Doktorska disertacija, Beograd PMF.

Djurović, S., Konjević, N.: 1989, *Z. Phys. D* **10**, 425.

Francuski, T.: 1989, Diplomski rad, PMF Novi Sad.

Griem, H. R.: 1989, Stark broadening in multielectron atoms and ions, in *Spectral Line Shapes 5*, ed. J. Szudy, Ossolineum, 17.

Griem, H. R.: 1989, *Spectral Line Shapes in Astrophysical and Laboratory Spectroscopy*, eds. R. Brown, J. Lang, Scottish University Summer School in Physics, 105.

Kobilarov, R., Konjević, N., Popović, M. V.: 1989, *Phys. Rev. A* **40**, 3871.

Manas, P. J., Avrett, E. H., Loeser, R.: 1989, Computed profiles of the Solar C I multiplets at 1561 and 1657 Å, *Astrophys. J.* **345**, 1104.

Seaton, M. J.: 1989, Atomic data for opacity calculations: XII. Line-profile parameters for neutral atoms of He, C, N, and O, *J. Phys. B* **22**, 3603.

Uzelac, N. I., Kobilarov, R., Konjević, N.: 1989, XIX ICPIG, Beograd, 346.

Vujičić, B. T., Djurović, S., Halenka, J.: 1989, *Z. Phys. D* **11**, 119.

311. 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.

**1986**

- Dimitrijević, M. S., Kršljanin, V.: 1986, *Astron. Astrophys.* **165**, 269.
- Dimitrijević, M. S., Truong Bach: 1986, *Z. Naturforsch.* **41a**, 772.
- Goly, A., Weniger, S.: 1986, Stark broadening of some C(I) and N(I) vacuum ultraviolet lines, *JQSRT* **36**, 147.
- Keliher, P. N., Boyko, W. J., Clifford, R. H., Snyder, J. L., Zhu, S. F.: 1986, Emission spectrometry, *Anal. Chem.* **58**, 335R.
- Konjević, N., Pittman, T. L. . 1986, *JQSRT* **35**, 473.
- Kršljanin, V. M.: 1986, Magistarski rad, Beograd PMF.
- Pittman, T. L., Konjević, N.: 1986, *JQSRT* **35**, 247.
- Pittman, T. L., Konjević, N.: 1986, **36**, 289.
- Radovanov, S. B.: 1986, Fizičko hemijske osobine plazme impulsnog pražnjenja u vodenim rastvorima elektrolita, Doktorska teza, Beograd PMF.
- Sahal-Bréchet, S.: 1986, Line Broadening, In *Reports on Astronomy*, ed. R. M. West, Reidel P.C., 131.

**1987**

- Böttcher, F., Breger, P., Hey, J. D., Kunze, H.-J.: 1989, Dependence of the Stark broadening on the emitter charge for the 3s-3p transitions of Li-like ions, *Phys. Rev. A* **38**, 2690.
- Böttcher, F., Musielok, J., Kunze, H. -J. . 1987, Stark broadening of C IV and N V lines in the vacuum-uv-spectral range, *Phys. Rev. A* **36**, 2265.
- Adelman, S. J., Lanz, T. (eds. ): 1987, *Elemental Abundance Analyses*, Inst. d'Astronomie de l'Université de Lausanne.
- Dimitrijević, M. S., Konjević, N.: 1987, *Astron. Astrophys.* **172**, 345.
- Lanz de Huttwil, T.: 1987, *Le spectre ultraviolet des étoiles ApSi*, Thèse, Université de Genève.
- Seaton, M. J: 19<sup>87</sup>, Atomic data for opacity calculations: V. Electron impact broadening of some C III lines, *J. Phys. B* **20**, 6431.

**1988**

- Dimitrijević, M. S.: 1988, *Astron. Astrophys. Suppl. Series*, **76**, 53.
- Dimitrijević, M. S.: 1988, *Bull. Obs. Astron. Belgrade* **139**, 31.
- Djeniže, S., Srećković, A., Milosavljević, M., Labat, O., Platiša, M., Purić, J.: 1988, *Z. Phys. D* **9**, 129.
- Griem, H. R.: 1988, Plasma shifts of ion lines, *J. Phys. Suppl. au No 3*, **49**, C1-293.
- Lanz, T., Dimitrijević, M. S., Artru, M.-C.: 1988, *Astron. Astrophys.* **192**, 249.

Purić, J., Srećković, A., Djenize, S., Platiša, M.: 1988, *Phys. Rev. A.* **37**, 4380.

Seaton, M. J.: 1988, Atomic data for opacity calculations: VIII. Line-profile parameters for 42 transitions in Li-like and Be-like ions, *J. Phys. B* **21**, 3033.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

Bakshi, V., Kearney, R. J.: 1989, Measurement of Stark width of some Ar I transitions in a d.c. argon plasma jet at atmospheric pressure, *JQSRT* **42**, 405.

Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 111.

Djurović, S.: 1989, Doktorska disertacija, Beograd PMF.

Griem, H. R.: 1989, Stark broadening in multielectron atoms and ions in *Spectral Line Shapes 5*, ed. J. Szudy, Ossolineum, 17.

Griem, H. R.: 1989, *Spectral Line Shapes*, in *Astrophysical and Laboratory Spectroscopy*, eds, R. Brown, J. Lang, Scottish University Summer School in Physice, 105.

Hey, J. D., Breger, P.: 1989, The classical Kramers-Gaunt factor in Stark broadening calculations, *J. Phys. B* **22**, L79.

Hey, J. D., Gawron, A., Xu, X. J., Breger, P., Kunze, H.-J.: 1989, Stark broadening of Ar IV lines in a dense plasma, *J. Phys. B* **22**, 241.

Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* **37**.

Kršljanin, V., Dimitrijević, M. S.: 1989, *Z. Phys. D* **14**, 273.

Kršljanin, V., Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 7.

Kršljanin, V., Dimitrijević, M. S.: 1989, XIX ICPIG, Beograd, 332.

312. Konjević, N., Pittman, T. L.: 1984, *Electron impact broadening of spectral lines of doubly ionized noble gases, multiplets  $ns^3S^0 - np^3P$* . XII SPIG, Šibenik 450.

1986

Dimitrijević, M. S., Konjević, N.: 1986, XIII SPIG, Šibenik, 313.

Dimitrijević, M. S., Konjević, N., Kršljanin, V.: 1986, 8 ICSLS, Williamsburg, A 12.

1987

Dimitrijević, M. S., Konjević, N.: 1987, *Astron. Astrophys.* **172**, 345.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

316. Milošević, S.: 1984, *Difuzne vrpce u vidljivom spektru gustih alkalijских para*, Magistarski rad, Zagreb, Sveučilište.

1986

Milošević, S., Pichler, G.: 1986, *Z. Phys. D* **1**, 223.

322. Pichler, G., Milošević, S., Veža, D., Konowalov, D. D.: 1984, *Observation and interpretation of the Li<sub>2</sub> diffuse band in the region of 420 nm*, *Chem. Phys. Lett.* **103**, 352.

1985

Veža, D., Milošević, S., Pichler, G.: 1985, *Opt. Commun.* **56**, 172.

Johnson, D. E., Eden, J. G.: 1985, *Continua in the visible absorption spectrum of K<sub>2</sub>*, *J. Opt. Soc. Am. B* **2**, 721.

1986

Pichler, G., Bahns, J. T., Sando, K. M., Stwalley, W. C., Konowalov, D. D. Li, L., Field, R. W., Müller, W.: 1986, *Chem. Phys. Lett.* **129**, 425.

Veža, D.: 1986, in *The Phys. Ioniz. Gases (SPIG-86)*, World Scientific, 363.

Xie, X., Field, R. W.: 1986, *Perturbation Facilitated Optical Double Resonances Spectroscopy of the <sup>6</sup>Li<sub>2</sub>3<sup>3</sup>Σ<sub>g</sub><sup>+</sup>, 2<sup>3</sup>Π<sub>g</sub>, 1<sup>3</sup>Δ<sub>g</sub>, b<sup>3</sup>Π<sub>u</sub>, and a<sup>3</sup>Σ<sub>u</sub><sup>+</sup> states*, *J. Mol. Spectrosc.* **117**, 228,

1987

Ratcliff, L. B., Fish, J. L., Konowalov, D. D.: 1987, *Electronic Transition Dipole Moment Functions for Transitions among the Twenty-Six Lowest Lying States of Li<sub>2</sub>*, *J. Mol. Spectrosc.* **122**, 293.

1988

Huennekens, J., Loza, A., Masters, M., Sando, K. M.: 1988, *Near infrared bound-free emission from the NaK molecule*, *J. Chem. Phys.* **88**, 6013.

Milošević, S.: 1988, in *The Phys. Ioniz. Gases, (SPIG-88)*, 517.

1989

Bahns, J. T., Pichler, G., Stwalley, W. C.: 1989, *J. Chem. Phys.* **90**, 2841.

327. Richou, J., Manola, S., Lebrun, J. L., Lesage, A.: 1984, *Stark-broadening measurements of singly ionized xenon*, *Phys. Rev. A* **29**, 3181.

1986

Sahal-Bréchet, S.: 1986, *Line Broadening*, in *Reports on Astronomy*, ed. R. M. West, Reidel, P.C., 139.

1987

Vitel, Y., Skowronek, M.: 1987, *Noble gas line profiles in dense plasmas: II. Krypton and xenon*, *J. Phys. B* **20**, 6493.



1988

Mokhtar, A.: 1988, Étude et réalisation d'un plasma dense quasistationnaire et homogène de 1 m de long en présence d'un champ magnétique modulé spatialement, Thèse de doctorat de l'Université, Paris 6.

1989

Mokhtar, A., Vitel, Y., Skowronek, M.: 1989, New experimental investigation of a dense plasma effect on Stark broadening of some Xe II lines, in *The Phys. Ioniz. Gases*, eds. L. Tanović, N. Konjević, N. Tanović, Nova Science Publ, New York, 349.

Manola, S., Konjević, N., Richou, J., Lebrun, J. L., Lesage, A.: 1989 *Phys. Rev. A* **38**, 5742.

1989

Lesage, A., Abadie, D. Miller, M. H.: 1989, Stark broadening in krypton and xenon, *Phys. Rev. A* **40**, 1367.

Lesage, A., Lebrun, J. L., Miller, M. H., Manola, S.: XIX ICPIG, Beograd, 280.

Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1989, XIX ICPIG, Beograd, 328.

Uzelac, N. I.: 1989, Doktorska disertacija, Beograd ETF.

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 NaK, NaRb and NaCs Molecules*, *Z. Phys. A* **315**, 263.

1985

Niemax, K.: 1985, Transition from Second- to First-order Dipole-Dipole Interaction in the EuSr Molecule, *Phys. Rev. Lett.* **55**, 56.

1986

Movre, M.: 1986, in *The Phys. Ioniz. Gases (SPIG-86)*, World Scientific, 49.

1987

Bunery, B., Achkar, Y., Aubert-Frécon, M.: 1987, Long-range molecular states dissociating to the three or four lowest asymptotes for the ten heteronuclear diatomic alkali molecules, *Chem. Physics* **116**, 319.

Schlejen, J., Post, J., Korving, J., Woerdman, J. P.: 1987, Cell for absorption and fluorescence spectroscopy of high-pressure and high-temperature sodium vapor, *Rev. Sci. Instrum.* **58**, 768.

333. Vujičić, B. T.: 1984, *Spektroskopska studija linija sa zabranjenim komponentama u laserski proizvedenoj plazmi helijuma*, Doktorska disertacija, Beograd PMF.

1986

Vujičić, B. T.: Pavlov, M., Djurović, S.: 1986, Spektroskopsko određivanje elektronske koncentracije i temperature jonizovanog gasa, Zbornik radova, XII Jugoslovenskog simpozijuma o merenjima i merenoj opremi (JUKEM 86), Beograd, Savez društava za mernu tehniku Jugoslavije, 709.

Vujičić, B. T., Ćirković, Lj. M.: 1986, XIII SPIG, Šibenik, 353.

1989

Francuski, T.: 1989, Diplomski rad, PMF Novi Sad.

Vujičić, B. T., Djurović, S., Halenka, J.: 1989, Z. Phys. D 11, 119.

1985

338. Dimitrijević, M. S.: 1985, *Astrophysical significance of spectral Line Shapes Investigations*, Publ. Obs. Astron. Belgrade (Proc. VI Nat. Conf. Yug. Astronomers, Hvar 1983), 33, 11.

1989

Kršljanin, V.: 1989, Bull. Obs. Astron. Belgrade, 140, 123.

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.

1986

Artru, M.-C.: Freire Ferrero, R.: 1986, Gallium overabundance in the Ap-Si star HD 25823 in upper Main Sequence stars with Anomalous Abundances, eds. C. R. Cowley et al. Reidel P.C., 421.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1986, Annales de Physique, Suppl. au No. 3, 11, 181.

Oumarou Bouba: 1986, Théories quantique et semi-classique des intégrales radiales de transitions dipolaires et multipolaires des états excités: applications au calcul des forces d'oscillateur et des probabilités de transition dans l'approximation à une configuration, Thèse de doctorat d'état, Université d'Orleans.

1987

Adelmah, S. J., Lanz, T. (eds.): 1987, Elemental Abundance Analyses, Inst. d'Astronomie de l'Université de Lausanne.

Hey, J. D.: 1987, Multiplet oscillator strengths and transition probabilities for neutral oxygen, South African Tydskr. Fis. No. 10, 3, 118.

Lanz de Huttwil, T.: 1987, Le spectre ultraviolet des étoiles Ap-Si, Thèse, Université d'Orleans.

1988

Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988, *Phys. Rev. A* **37**, 498.

Vitel, Y., Skowronek, M., Dimitrijević, M. S., Popović, M. M.: 1988, *Astron. Astrophys.*, **200**, 259.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

Dimitrijević, M. S., Popović, M. M.: 1989, XIX ICPIG, Beograd, 338.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1989, III Seminar „Astrofizika u Jugoslaviji“, Zagreb, 10.

Dimitrijević, M. S., Popović, M. M.: 1989, V Jug. Skup. Fiz. Atom. Sudara, Brioni, 36.

Dimitrijević, M. S., Popović, M. M.: 1989, *Astron. Astrophys.* **217**, 201.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1989, *Fizika* **20**, 485.

342. Dimitrijević, M. S., Kršljanin, V.: 1985, *Semiempirical Stark shifts of ion lines*, XVII ICPIG, Budapest, 975.

1989

Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade*, **37**, 1.

344. Dimitrijević, M. S., Sahal-Bréchet, S.: 1985, *Stark broadening of neutral sodium lines*, JQSRT **34**, 149.

1986

Dimitrijević, M. S., Sahal-Bréchet, S.: 1986, 8 ICSSL, Williamsburg A 10.

Keliher, P. N., Boyko, W. J., Clifford, R. H., Snyder, J. L., Zhu, S. F.: 1986, *Emission Spectrometry*, *Anal. Chem.* **58**, 335R.

Kršljanin, V., Vince, I.: 1986, *Bull. Obs. Astron. Belgrade*, **136**, 12.

Vincze, I.: 1986, *Tudományos Találkozó 1986, Előadások Kivonatai II, Közös Rendezésében*, Budapest, 897.

Vince, I. I.: 1986, Doktorska disertacija, Beograd PMF.

Vince, I., Dimitrijević, M. S.: 1986, 8 ICSSL, Williamsburg, DA2.

Vince, I., Dimitrijević, M. S.: 1986, XIII SPIG, Šibenik, 325.

1987

Adelman, S. J., Lanz, T. (eds.): 1987, *Elemental Abundance Analyses*, Inst. d'Astronomie de l'Université de Lausanne.

Cappelli, M. A., Measures, R. M.: 1987, Electron density radial profiles derived from Stark broadening in a sodium plasma produced by laser resonance saturation, *Applied Optics*, **26**, 1058.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1987, in *Spectral Line Shapes*, ed. R. J. Exton, A. Deepak, Hampton, Virginia, USA, 61.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1987, JQSRT 38, 37.

Vince, I., Dimitrijević, M. S.: 1987, in Radiative Excitation and Ionization Processes, Inst. Phys. Univ. Zagreb, 84.

1988

Dimitrijević, M. S., Sahal-Bréchet, S.: 1988, 9 ICSSL, A12.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd, PMF.

Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade, 140, 111.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1989, III Seminar Astrofizika u Jugoslaviji, Zagreb, 10.

Kršljanin, V.: 1989, Bull. Obs. Astron. Belgrade, 140, 123.

Vince, I.: 1989, Bull. Obs. Astron. Belgrade, 140, 117.

Vince, I., Dimitrijević, M. S.: 1989, in Solar and Stellar Granulation, eds. R. J. Rutten, G. Severino, Kluwer Acad. Publ., 93.

345. Dimitrijević, M. S., Sahal-Bréchet, S.: 1985, *Comparison of measured and calculated Stark broadening parameters for neutral-helium lines*, Phys. Rev. A. 31, 316.

1986

Konjević, R., Konjević, N.: 1986, Fizika 18, 327.

349. Konjević, N.: 1985, *Stark broadening of potassium lines*, Phys. Rev. A 32, 673.

1987

Cappelli, M. A., Measures, R. M.: 1987, Electron density radial profiles derived from Stark broadening in a sodium plasma produced by laser resonance saturation, Applied Optics, 26, 1058.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1987, JQSRT 38, 37.

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.

1989

Djurović, S.: 1989, Doktorska disertacija, Beograd, PMF.

353. Lakićević, I. S.: 1985, *Estimated Stark widths and shifts of some singly charged ion spectral lines*, Astron. Astrophys. 191, 457.,

1986

Dimitrijević, M. S., Artru, M.-C.: 1986, XIII SPIG, Šibenik, 317.

Keliher, P. N., Boyko, W. J., Clifford, R. H., Snyder, J. L., Zhu, S. F.: 1986, Emission spectrometry, Anal. Chem. 58, 335R.

1987

Adelman, S. J., Lanz, T. (eds.): 1987, *Elemental Abundances Analyses*, Inst. d'Astronomie de l'Université de Lausanne.

356. Movre, M., Beuc, R.: 1985, *Van der Waals interaction in excited alkali-metal dimers*, Phys. Rev. A **31**, 2957.

1986

Movre, M.: 1986, in *The Phys. Ioniz. Gases (SPIG-86)*, World Scientific, 49.

1987

Bussery, B., Achkar, Y., Aubert-Frécon, M.: 1987, Long-range molecular states dissociating to the three or four lowest asymptotics for the ten heteronuclear diatomic alkali molecules, Chem. Physics **116**, 319.

1988

Logozar, R., Beuc, R., Movre, M.: 1988, Phys. Rev. A **38**, 3969.

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.

1985

Veža, D., Milošević, S., Pichler, G.: 1985, Opt. Commun. **56**, 172.

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.

1988

Kobilarov, R., Konjević, N., Popović, M. V.: 1988, XIV SPIG, Sarajevo, 341.

1989

Kobilarov, R., Konjević, N., Popović, M. V.: 1989, Phys. Rev. A **40**, 3871.

359. Purić, J., Čuk, 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.

1987

Purić, J., Čuk, M., Rathore, B. A.: 1987, Phys. Rev. A **35**, 1132.

360. Purić, J., Čuk, M., Lakićević, I. S.: 1985, *Stark parameters dependence on the upper level ionization potential*, XVII ICPIG, Budapest, 1030.

1989

Čuk, M. V.: 1989, *Doktorska disertacija*, Beograd, PMF.

361. Purić, J., Čuk, 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.

1986

Purić, J., Čuk, M.: 1986, XIII SPIG, Šibenik, 345.

Purić, J., Djeniže, S., Srećković, A., Labat, J., Čirković, Lj.: 1986, VIII ICSSL, Williamsburg, A7.

1987

Purić, J., Čuk, M., Rathore, B. A.: 1987, Phys. Rev. A **35**, 1132.

Purić, J., Djeniže, S., Srećković, A., Labat, J., Čirković, LJ.: 1987, in Spectral Line Shapes 4, ed. R. J. Exton, A. Deepak, Hampton, Virginia, USA, 55.

Purić, J., Djeniže, S., Srećković, A., Labat, J., Čirković, Lj.: 1987, Phys. Rev. A **35**, 2111.

1989

Čuk, M. V.: 1989, Doktorska disertacija, Beograd, PMF.

Purić, J., Djeniže, S., Srećković, A., Čuk, M.: 1989, Fizika **20**, 485.

362. Purić, J., Čuk, 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**, 1106.

1986

Keliher, P. N., Boyko, W. J., Clifford, R. H., Snyder, J. L., Zhu, S. F.: 1986, Emission Spectrometry, Anal. Chem. **58**, 335R.

Purić, J., Čuk, M. 1986, XIII SPIG, Šibenik, 345.

1987

Dimitrijević, M. S., Mihajlov, A. A., Popović, M. M.: 1987, Astron. Astrophys. Suppl. Series, **70**, 57.

Purić, J., Čuk, M., Rathore, B. A.: 1987, Phys. Rev. A **35**, 1132.

Purić, J., Čuk, M., Srećković, A., Djeniže, S.: 1987, XVIII ICPIG, Swansea, 482.

Purić, J., Djeniže, S., Srećković, A., Labat, J., Čirković, Lj.: 1987 Phys. Rev. A **35**, 2111.

1988

Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Čuk, M. 1988. Z. Phys. D **10**, 431.

Purić, J., Djeniže, S. Srećković, A., Platiša, M., Labat, J.: 1988, Phys. Rev. A **37**, 498.

Sarandayev, E. V., Salakhov, M. Kh., Fishman, I. S.: 1988, The investigation of the Stark broadening of spectral lines of heavy elements, XIX ICPIG, Beograd, 342.

1989

Djeniže, S., Malešević, S., Srećković, A., Milosavljević, M., Purić, J.: 1989, JQSRT 42, 429.

Djurović, S.: 1989, Doktorska disertacija, Beograd, PMF.

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.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd, PMF.

364. Uzelac, N. I.: 1985, *Štarkovo širenje spektralnih linija neutralnog helijuma u plazmi*, Magistarski rad, Beograd, ETF.

1989

Uzelac, N. I.: 1989, Doktorska disertacija, Beograd, ETF.

366. Veža, D.: 1985, *Tripletni sateliti u spektru homonuklearnih alkalijskih molekula*, Disertacija, Zagreb, Sveučilište.

1986

Milošević, S., Pichler, G., Düren, R., Hasselbrink, E.: 1986, Chem. Phys. Lett. 128, 145.

Veža, D.: 1986, in *The Phys. Ioniz. Gases (SPIG-86)*, World Scientific, 363.

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.

1985

Bezuglov, N. N., Klycharev, A. N., Pichler, G., Veža, D.: 1985, The influence of reflection of light quanta from the boundary of an absorbing medium on the effectiveness of resonance-radiation capture, JQSRT 34, 1.

Bieniek, R. J.: 1985, Normalized lineshapes for far-wing continuum spectra: The Rb-Xe satellite band, Phys. Rev. A 32, 3150.

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. VII Nat. Conf. Yug. Astronomers, Hvar, 1983), 33, 15.

1986

Vince, I. I.: 1986, Doktorska disertacija, Beograd, PMF.

1989

Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade, **140**, 111.

369. Vince, I., Dimitrijević, M. S., Kršljanin, V.: 1985, *Collision broadening and Solar Limb effect: Na I  $3p^2P^0 - ns^2S$  lines*, in *Spectral Line Shapes III*, ed. F. Rostas, W. de Gruyter, Berlin, New York, 649.

1986

Dimitrijević, M. S., Kršljanin, V.: 1986, Astron. Astrophys. **165**, 269.

Kršljanin, M. V.: 1986, Magistarski rad, Beograd, PMF.

Vince, I. I.: 1986, Doktorska disertacija, Beograd, PMF.

1987

Dimitrijević, M. S., Konjević, N.: 1987, Astron. Astrophys. **172**, 345.

1988

Dimitrijević, M. S.: 1988, Bull. Obs. Astron. Belgrade **139**, 31.

Dimitrijević, M. S.: 1988, Astron. Astrophys. Suppl. Series, **76**, 53.

1989

Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade, **140**, 111.

Kršljanin, V.: 1989, Publ. Obs. Astron. Belgrade, **37**.

Kršljanin, V.: 1989, Bull. Obs. Astron. Belgrade, **140**, 123.

Kršljanin, V., Dimitrijević, M. S.: 1989, Z. Phys, D **14**, 273.

Kršljanin, V., Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade, **140**, 7.

Vince, I.: 1989, Bull. Obs. Astron. Belgrade, **140**, 117.

370. Vince, I., Dimitrijević, M. S., Kršljanin, V.: 1985, *Pressure broadening and Solar Limb effect, in Progress in Stellar Spectral Line Formation Theory*, eds. J. Beckman, L. Crivellari, D. Reidel, P. C., 373.

1986

Dimitrijević, M. S., Konjević, N.: 1986, XIII SPIG, Šibenik, 313.

Dimitrijević, M. S., Kršljanin, V.: 1986, Astron. Astrophys. **165**, 269.

Kršljanin, M. V.: 1986, Magistarski rad, Beograd, PMF.

Kubičela, A., Vince, I., Dimitrijević, M. S., Dümmler, R.: 1986, 8 ICSLS, Williamsburg, DA1.

Vince, I., Dimitrijević, M. S.: 1986, 8 ICSLS, Williamsburg, DA2.

1987

Dimitrijević, M. S., Konjević, N.: 1987, Astron. Astrophys. **172**, 345.

Kubičela, A., Vince, I., Dimitrijević, M. S., Dümmler, R.: 1987, Differential Fe I limb effect around  $\lambda = 630.2$  nm, in *Spectral Line Shapes 4*, ed. R. J. Exton, A. Deepak, Hampton, Virginia, USA, 619.



Vince, I., Dimitrijević, M. S.: 1987, in *Spectral Line Shapes 4*, ed. R. J. Exton, A. Deepak, Hampton, Virginia, USA, 621.

Vince, I., Dimitrijević, M. S.: 1987, *II Workshop: Astrophysics in Yugoslavia*, Beograd, 5.

Vince, I., Dimitrijević, M. S.: 1987, in *Radiative excitation and ionization processes*, Inst. Phys. Univ. Zagreb, 84.

Vince, I., Dimitrijević, M. S.: 1987, *V Jug. skup Fiz. atom. sudara*, Kopaonik, 61.

#### 1988

Dimitrijević, M. S.: 1988, *Astron. Astrophys. Suppl. Series 76*, 53.

Dimitrijević, M. S.: 1988, In *Physics of Formation of Fe II lines outside LTE*, eds. R. Viotti, A. Vittone, M. Friedjung, D. Reidel, P. C., 211.

Dimitrijević, M. S.: 1988, *Bull. Obs. Astron. Belgrade 139*, 31.

Lanz, T., Dimitrijević, M. S., Artru, M.-C.: 1988, *Astron. Astrophys. 192*, 249.

#### 1989

Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade 140*, 111.

Kršljanin, V.: 1989, in *Solar and Stellar Granulation*, Kluwer, 91.

Kršljanin, V.: 1989, *Bull. Obs. Astron. Belgrade 140*, 123.

Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade 37*.

Kršljanin, V., Dimitrijević, M. S.: 1989, *Z. Phys. D 14*, 273.

Kršljanin, V., Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade 140*, 7.

Vince, I., Dimitrijević, M. S.: 1989, in *Solar and Stellar Granulation*, eds. R. J. Rutten, G. Severino, Kluwer, Acad. Publ. 93.



## II.2. BIBLIOGRAPHY AND CITATION INDEX 1985-1989

### BIBLIOGRAFIJA I INDEKS CITATA 1985-1989

#### 1983

372. Vince, I.: 1983, *On the telluric lines position instability*, Bull. Obs. Astron. Belgrade 133, 5.

#### 1984

373. Purić, J., Ćuk, M., Rathore, B. A., Lakićević, I. S.: *Stark widths and shifts of Ni I and Pd I resonance lines*, XIISPIG, Šibenik, 457.

#### 1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd, PMF.

374. Purić, J., Ćuk, M., Rathore, B. A., Lakićević, I. S.: 1984, *Stark widths and shifts of Co I spectral lines*, Phys. Lett. A 106, 374.

#### 1986

Keliher, P. N., Boyko, W. J., Clifford, R. H., Snyder, J. L., Zhu, S. F.: 1986, *Emission Spectrometry*, Anal. Chem. 58, 335R.

#### 1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd, PMF.

375. Rathore, B. A., Lakićević, I. S., Ćuk, M., Purić, J.: 1984, *Measurement of the Stark widths and shifts of Cr II  $4s^4D - 4p^4F^0$  spectral lines*, Phys. Lett. A 100, 31.

#### 1986

Keliher, P. N., Boyko, W. J., Clifford, R. H., Snyder, J. L., Zhu, S. F.: 1986, *Emission Spectrometry*, Anal. Chem. 58, 335R.

Sahal-Bréchet, S.: 1986, *Line Broadening*, in Reports on Astronomy, ed. R. M. West, Reidel, P.C., 139.

#### 1985

376. Atanacković, O., Simonneau, E.: 1985, *Effects of elastic collisions on the local frequency redistribution in the transfer of resonant line photons*, Collisions et Rayonnement, Orleans, P.3.

#### 1986

Atanacković, O.: 1986, Magistarski rad, Beograd, PMF.

Atanacković, O., Simonneau, E.: 1986, *Ann. Phys. Suppl. au No. 3*, **11**, 137.

1987

Atanacković-Vukmanović, O.: Simonneau, E.: 1987, *Bull. Obs. Astron. Belgrade* **137**, 66.

1989

Atanacković-Vukmanović, O.: Simonneau, E.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 127.

377. Jankov, S.: 1985, *Instrumental profile of the Belgrade Solar Spectrograph*, *Bull. Obs. Astron. Belgrade* **135**, 25.

1987

Arsenijević, J., Kubičela, A., Vince, I., Jankov, S.: 1987, Belgrade program for monitoring of activity – Sensitive spectral lines of the Sun as a star. I. An Analog Solar Scanning Monochromator, *Bull. Obs. Astron. Belgrade* **138**, 1.

378. Kršljanin, V.: 1985, *Mikroturbulencija i spektralne linije zvezda (Micro-turbulence and stellar spectral lines)*, Proc. VII Nat. Conf. of Yug. Astronomers, Beograd, Publ. Astron. Soc. „Rudjer Bošković“, No 4, 177.

1989

Kršljanin, V.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 123.

Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* **37**, 1.

379. Kršljanin, V., Vince, I.: 1985, *Zastupljenost natrijuma u Sunčevoj fotosferi*, VIII MFAJ, Priština, 340.

1989

Kršljanin, V.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 123.

380. Rathore, B. A., Purić, J., Čuk, M., Lakićević, I. S.: 1985, *Experimental Stark widths and shifts of Zn (I) resonance lines*, *Sing. J. Phys.* **2**, 105.

381. Veža, D., Milošević, S.: Pichler, G.: 1985, *Discharge studies of the lithium dimer diffuse bands*, *Opt. Commun.* **56**, 172.

1986

Veža, D.: In *The Phys. Ioniz. Gases (SPIG-86)*, World Scientific, 363.

1988

Dubreuil, B., Pichot, P.: 1988, Excitation of the Rydberg states of Lithium in a hollow-cathode discharge, *Phys. Lett. A* **126**, 258.

Huennekens, J., Loza, A., Masters, M., Sando, K. M.: 1988, Near-infrared bound-free emission from the NaK molecule, *J. Chem. Phys.* **88**, 6013.

1989

Bahns, J. T., Pichler, G., Stwalley, W. C.: 1989, *J. Chem. Phys.* **90**, 2841.

Milošević, S.: 1989, in *The Phys. Ioniz. Gases (SPIG-88)*, Nova Science Publ., New York, 517.

382. Vince, I.: 1985, *Uticao sudarnih procesa na limb efekt u pegama. Linija  $3p^2P^0 - 6s^2S$* , VIII MFAJ, Priština, 341.

1989

Kršljanin, V.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 123.

383. Vujičić B. T.: 1985, *Experimental investigation of broadening parameters of helium lines with forbidden components in laser produced plasma*, in *The Physics of Ionized Gases*, eds. M. M. Popović, P. Krstić (SPIG-84), World Scientific, Singapore, 747.

1986

Vujičić, B. T., Ćirković, Lj. M.: 1986, XIII SPIG, Šibenik, 353.

Vujičić, B. T., Ćirković, Lj. M.: 1986, XIII SPIG, Šibenik, 357.

1988

Vujičić, B. T., Kobilarov, R.: 1988, 9 ICSLS, Toruń, A 18.

1989

Vujičić, B. T., Djurović, S., Halenka, J.: 1989, *Z. Phys. D* **11**, 119.

1986

384. Atanacković, O.: 1986, *Non-LTE radiative transfer*, prikazano na I seminaru „Astrofizika u Jugoslaviji“.

385. Atanacković, O.: 1986, *Analiza nelokalnih efekata u Ne-LTR prenosu zračenja u rezonantnim linijama zvezdanih atmosfera*, magistarski rad, Beograd, PMF.

386. Atanacković, O., Simonneau, E.: 1986, *Effects of elastic collisions on the local frequency redistribution in the transfer of resonant line photons*, *Ann. Phys. Suppl.* au No. 3, **11**, 137.

387. Beuc, R., Milošević, S., Veža, D., Pichler, G.: 1986, *Relation between the diffuse bands and the triplet satellite bands in alkali dimers*, 8 ICSLS, Williamsburg, D8.

388. Beuc, R., Movre, M., Pichler, G.: 1986, *The influence of the nonadiabatic effects on the spectral line shape*, XIII SPIG, Šibenik, 381.

389. Dimitrijević, M. S.: 1986, *On the Stark broadening within a F I transition array*, *Astron. Astrophys. Suppl. Series* **64**, 591.

1987

Dimitrijević, M. S., Mihajlov, A. A., Popović, M. M.: 1987, *Astron. Astrophys. Suppl. Series* **70**, 57.

1989

Djurović, S.: 1989, Doktorska disertacija, Beograd, PMF.

Djurović, S., Konjević, N.: 1989, Z. Phys. D 10, 425.

Feautrier, N.: 1989, Line Broadening, in reports on Astronomy, Transactions of IAU Vol. XX, Kluwer, Dordrecht, Boston, London, 128.

390. Dimitrijević, M. S.: 1986, *Stark broadening of spectral lines in the spectrum of Am 15 Vulpeculae*, IAU Colloquium 94, Physics of Formation of Fe II Lines Outside LTE, Isola di Capri, ed. R. Viotti, Ist. Astrofis. Spaziale (Frascati), Oss. Astron. Capodimonte (Napoli), 47.

392. Dimitrijević, M. S., Artru, M.-C.: 1986, *Stark broadening of Ga II and Ga III stellar lines*, XIII SPIG, Šibenik 317.

1989

Feautrier, N.: 1989, Line Broadening, in Reports on Astronomy, Transactions of IAU Vol. XX, Kluwer, Dordrecht, Boston, London, 128.

392. Dimitrijević, M. S., Feautrier, N., Sahal-Bréchet, S.: 1986, *Resonance structures in electron scattering cross sections and Stark broadening*, XIII SPIG, Šibenik, 303.

393. Dimitrijević, M. S., Konjević, N.: 1986, *Simple formulae for estimating Stark broadening parameters of neutral atom lines*, Annales de Physique, Colloque No 3, Suppl. au No 3, 11, 179.

394. Dimitrijević, M. S., Konjević, N.: 1986, *Ion line Stark broadening in stellar plasmas*, XIII SPIG, Šibenik, 313.

1986

Dimitrijević, M. S., Kršljanin, V.: 1986, XIII SPIG, Šibenik, 321.

395. Dimitrijević, M. S., Konjević, N.: 1986, *Simple formulae for estimating Stark widths and shifts of neutral atom lines*, Astron. Astrophys. 163, 297.

1985

Dimitrijević, M. S., Konjević, N.: 1985, Collisions et Rayonnement, Orleans, P21.

1986

Dimitrijević, M. S.: 1986, IAU Coll. 94, Phys. of Formation of Fe II Lines Outside LTE, Capri, 47.

Dimitrijević, M. S., Konjević, N.: 1986, XIII SPIG, Šibenik, 313.

Dimitrijević, M. S., Konjević, N., Kršljanin, V. M.: 1986, 8 ICSLS, Williamsburg, A 11.

Dimitrijević, M. S., Konjević, N., Kršljanin, V.: 1986, 8 ICSLS, Williamsburg, A 12.

Dimitrijević, M. S., Kršljanin, V.: 1986, Astron. Astrophys. 165, 269.

Kršljanin, V. M.: 1986, Magistarski rad, Beograd, PMF.

Konjević, R., Konjević, N.: 1986, XIII SPIG, Šibenik, 309.

Konjević, R., Konjević, N.: 1986, *Fizika* **18**, 327.

**1987**

Adelman, S. J., Lanz, T. (eds.): 1987, *Elemental Abundance Analyses*, Inst. d'Astronomie de l'Université de Lausanne.

Dimitrijević, M. S., Konjević, N.: Kršljanin, V.: 1987, in *Spectral Line Shapes 4*, ed. R. J. Exton, Hampton, Virginia, USA, 65.

Dimitrijević, M. S., Konjević, N.: 1987, *Astron. Astrophys.* **172**, 345.

Dimitrijević, M. S., Konjević, N.: Kršljanin, V.: 1987, in *Spectral Line Shapes 4*, ed. R. J. Exton, Hampton, Virginia, USA, 63.

Vitel, Y., Skowronek, M.: 1987, Noble gas line profiles in dense plasmas: I Argon, *J. Phys. B* **20**, 6477.

**1988**

Dimitrijević, M. S.: 1988, *Astron. Astrophys. Suppl. Series* **76**, 53.

Dimitrijević, M. S.: 1988, *Bull. Obs. Astron. Belgrade* **139**, 31.

Dimitrijević, M. S.: 1988, in *Physics of Formation of Fe II Lines Outside LTE*, eds. R. Viotti, A. Vittone, M. Friedjung, D. Reidel P.C., 211.

Djurović, S., Konjević, N., Platiša, M., Konjević, N.: 1988, *J. Phys. B* **21**, 739.

Lesage, A., Richou, J.: 1988, Variation of the Stark parameters with the temperature, 9 ICSSL, Toruń, A37.

Mokhtari, A.: 1988, Étude et réalisation d'un plasma dense quasi-stationnaire et homogène de 1 m de long en présence d'un champ magnétique modulé spatialement, Thèse de doctorat de l'Université, Paris 6.

Vitel, Y., Skowronek, M., Dimitrijević, M. S., Popović, M. M.: 1988, *Astron. Astrophys.* **200**, 259.

**1989**

Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 111.

Dimitrijević, M. S., Popović, M.: 1989, V. Jug. skup fiz. atom. sudara, Brioni, 36.

Djurović, S.: 1989, *Doktorska disertacija*, Beograd, PMF.

Feautrier, N.: 1989, Line Broadening, in *Reports on Astronomy, Transactions of IAU vol. XX*, Kluwer, Dordrecht, Boston, London, 128.

Kršljanin, V.: 1989, in *Solar and Stellar Granulation*, Kluwer, 91.

Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* **37**.

Kršljanin, V., Dimitrijević, M. S.: 1989, *Z. Phys. D* **14**, 273.

Kršljanin, V., Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 7.

- Uzelac, N. I.: 1989, Doktorska disertacija, Beograd, ETF.
- Uzelac, N. I., Konjević, N.: 1989, *J. Phys. B* **22**, 2517.
- 396.** Dimitrijević, M. S., Konjević, N., Kršljanin, V.: 1986, *Modified semiempirical estimates of ion lines Stark broadening I. Theory.*, 8 ICSLS, Williamsburg, p. All.
- 1986
- Dimitrijević, M. S., Konjević, N., Kršljanin, V. M.: 1986, 8 ICSLS, Williamsburg, p. A12.
- Konjević, N., Pittman, T. L.: 1986, *JQSRT* **35**, 473.
- 1987
- Konjević, N., Pittman, T. L.: 1987, *JQSRT* **37**, 311.
- 397.** Dimitrijević, M. S., Konjević, N., Kršljanin, V.: 1986, *Modified semiempirical estimates of ion lines Stark broadening II. Application*, 8 ICSLS, Williamsburg, p. A12.
- 1986
- Dimitrijević, M. S., Konjević, N., Kršljanin, V.: 1986, 8 ICSLS, Williamsburg, A11.
- Konjević, N., Pittman, T. L., 1986, *JQSRT* **34**, 473.
- 1987
- Konjević, N., Pittman, T. L.: 1987, *JQSRT* **37**, 311.
- 398.** Dimitrijević, M. S., Kršljanin, V.: 1986, *Electron-impact shifts of ion lines: Modified semiempirical approach*, *Astron. Astrophys.* **165**, 269.
- 1986
- Dimitrijević, M. S.: 1986, IAU Coll. 94, *Phys. of Formation of Fe II Lines Outside LTE*, Capri, 47.
- Dimitrijević, M. S., Konjević, N.: 1986, XIII SPIG, Šibenik, 313.
- Dimitrijević, M. S., Konjević, N., Kršljanin, V.: 1986, 8 ICSLS, Williamsburg, All.
- Dimitrijević, M. S., Kršljanin, V.: 1986, XIII SPIG, Šibenik, 321.
- Kršljanin, V., Dimitrijević, M. S.: 1986, *Colloq. on Atomic Spectra and Oscillator Strengths for Astrophysicists and Fusion Research*, Toledo (USA), P8.
- 1987
- Dimitrijević, M. S., Konjević, N.: 1987, *Astron. Astrophys.* **172**, 345.
- Dimitrijević, M. S., Konjević, N., Kršljanin, V.: 1987, in *Spectral Line Shapes 4*, ed. R. J. Exton, Hampton, Virginia, USA, 63.
- Dimitrijević, M. S., Kršljanin, V.: 1987, in *Radiative excitation and ionization processes*, Inst. Phys. Univ. Zagreb, 22.



Line Shapes Investigations in Yugoslavia II (1985–1989)

Kršljanin, V.: 1987, in Radiative excitation and ionization processes, Inst. Phys. Univ., Zagreb, 80.

Vitel, Y., Skowronek, M., Dimitrijević, M. S., Popović, M. M.: 1987, II Workshop: „Astrophysics in Yugoslavia“, Beograd, 15.

1988

Dimitrijević, M. S.: 1988, Astron. Astrophys. Suppl. Series 76, 53.

Dimitrijević, M. S.: 1988, in Physics of Formation of Fe II Lines Outside LTE, eds. R. V. Viotti, A. Vittone, M. Friedjung, D. Reidel, P.C., 211.

Dimitrijević, M. S.: 1988, Bull. Obs. Astron. Belgrade 139, 31.

1989

Dimitrijević, M. S.: 1989, III seminar: „Astrofizika u Jugoslaviji“, Zagreb, 11.

Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade 140, 111.

Feautrier, N.: 1989, Line Broadening, in Reports on Astronomy, Transactions of IAU, Vol. XX, Kluwer, Dordrecht, Boston, London, 128.

Kršljanin, V.: 1989, Bull. Obs. Astron. Belgrade 140, 123.

Kršljanin, V., Dimitrijević, M. S.: 1989, XIX ICPIG, Beograd, 332.

Kršljanin, V., Dimitrijević, M. S.: 1989, XIX ICPIG, Beograd, 330.

399. Dimitrijević, M. S., Kršljanin, V.: 1986, *Modified semiempirical estimates of ion lines Stark shifts: spectra of hot DA white dwarfs*, XIII SPIG, Šibenik, 321.

1989

Feautrier, N.: 1989, Line Broadening, in Reports on Astronomy, in Transactions of IAU, Vol. XX, Kluwer, Dordrecht, Boston, London, 128.

Kršljanin, V.: 1989, Publ. Obs. Astron. Belgrade 37.

Kršljanin, V., Dimitrijević, M. S.: 1989, Z. Phys. D 14, 273.

Kršljanin, V., Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade 140, 7.

400. Dimitrijević, M. S., Mihajlov, A. A., Popović, M. S.: 1986, *On the electron-impact broadening for the resonance lines of the alkalis*, 8 ESCAMPIG, Greifswald, 89.

401. Dimitrijević, M. S., Sahal-Bréchet, S.: 1986, *Stark broadening of K I: Regularities within spectral series*, 8 ICSSL, Williamsburg, A 10.

402. Dimitrijević, M. S., Sahal-Bréchet, S.: 1986, *L'élargissement Stark des raies du potassium neutre*, Annales de Physique, Suppl. au No 3, 11, 181.

1989

Feautrier, N.: 1989, Line Broadening, in Reports on Astronomy, Transactions of IAU, Vol. XX, Kluwer, Dordrecht, Boston, London, 128.

403. Dimitrijević, M. S., Truong-Bach: 1986, *Sur l'inégalité des largeurs Stark a l'interieur d'un multiplet ou supermultiplet de l'argon II*, Annales de physique Suppl. au No. 3, 11, 183.

1989

Feautrier, N.: 1989, Line Broadening, in Reports on Astronomy, Transaction of IAU, Vol. XX, Kluwer, Dordrecht, Boston, London, 128.

405. Djurović, S. Konjević, N.: 1986, *Experimental Study of the Stark broadening of Cl I lines*, XIII SPIG, Šibenik, 333.

1989

Djurović, S.: 1989, Doktorska disertacija, Beograd, PMF.

406. Grabowski, B., Dimitrijević M. S.: 1986, *Trajectory effects on the phase shift in the impact approximation*, XIII SPIG, Šibenik, 299.

1987

Grabowski, B.: 1987, Debye shielding and trajectory effects in the phase shifts calculations, XVIII ICPIG, Swansea, 56.

Grabowski, B.: 1987, Effects of Debye shielding in the electron broadening calculations, Pramana-J. Phys. 29, 455.

1988

Grabowski, B., Czaiński, A., Halenka, J.: 1988, Stark line-width and shift calculations in case of impact broadening at share of screening and of back reaction effect, XIV SPIG, Sarajevo, 301.

Grabowski, B., Czaiński, A.: 1988, The phase shift calculations in presence of effects of the back reaction in atom perturber collisions, 9 ICSLS, Toruń, D 23.

Grabowski, B., Czaiński, A.: 1988, Effect of back reaction in impact phase-shift calculations in case of Van der Waals attraction 9 ICSLS, Toruń, D24.

407. Istrefi, L.: 1986, *Stark broadening of C III 465.90 nm and 467.39 nm spectral lines in plasma*, XIII SPIG, Šibenik, 337.

1988

Istrefi, L.: 1988, Rev. Roumaine Phys., 33, 667.

408. Jankov, S.: 1986, Restauracija astronomskih spektrograma korišćenjem Vinerove filtracione funkcije u uslovima nedostatka „a priori“ informacije o objektu istraživanja, Magistarski rad, Beograd, PMF.

409. Konjević, R., Konjević, N.: 1986, *Stark broadening and shift of neutral copper spectral lines*, Fizika 18, 327.

1989

Dimitrijević, M. S., Vujnović, V.: 1989, XIX ICPIG, Beograd, 340.

Feautrier, N.: 1989, Line Broadening, in Reports on Astronomy, Transactions of IAU, Vol. XXA, Kluwer, Dordrecht, Boston, London, 128.

410. Konjević, R., Konjević, N.: 1986, *Stark broadening, of neutral mercury and thalium lines*, XIII SPIG, Šibenik, 309.
411. Konjević, N., Pittman, T. L.: 1986, *Stark broadening of spectral lines of homologous, doubly-ionized inert gases*, JQSRT 35, 473.

1988

- Purić, J., Djenize, S., Srećković, A., Čuk, M., Labat, J., Platiša, M., Wujec, T., Musielok, J.: 1988, *Temperature and electron density determination of a He-Ar plasma on the basis of line shape measurements*, 9 ICSLS, Toruń, A 16.

1989

- Čuk, M. V.: 1989, *Doktorska disertacija*, Beograd, PMF.
- Feautrier, N.: 1989, *Line Broadening*, in Reports on Astronomy, Transactions of IAU, Vol. XXA, Kluwer, Dordrecht, Boston, London, 128.
- Purić, J., Djenize, S., Srećković, A., Čuk, M.: 1989, *Fizika* 20, 485.
412. Kowalczyk, P., Milošević, S., Pichler, G.: 1986, *The pressure effect on the potassium dimer diffuse band*, 8 ICSLS, Williamsburg, D9.
413. Kršljanin, V. M.: 1986, *Štarkov pomak jonskih linija kod toplih zvezda*, Magistarski rad, Beograd, PMF.
414. Kršljanin, V., Dimitrijević, M. S.: 1986, *Modified semiempirical approach as a source for Stark broadening data in astrophysics: Li-like resonance lines in stellar atmospheres*, Colloq. on Atomic Spectra and Oscillator Strengths for Astrophysics and Fusion Research, Toledo (USA), University, p. 8.

1989

- Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* 37.
415. Kršljanin, V., Vince, I.: 1986, *Collision broadening and microturbulence sensitivity of some Na I non-resonant lines*, *Bull. Obs. Astron. Belgrade* 136, 12.

1989

- Kršljanin, V.: 1989, *Bull. Obs. Astron. Belgrade*, 140, 123.
- Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade*, 37.
416. Kubičela, A. Vince, I., Dimitrijević, M. S., Dümmler, R.: 1986, *Differential Fe I limb effect around  $\lambda = 630.2 \text{ nm}$* , 8 ICSLS, Williamsburg, DA1.
417. Luh, W. T., Bahns, J. T., Sando, K. M., Stwalley, W. C., Heneghan, S. D., Charavorty, K. P., Pichler, G., Konowalow, D. D.: 1986, *Interference continuum fluorescence of  $K_2$* . *Chem. Phys. Lett.*, 131, 335.

1987

- Milošević, S., Kowalczyk, P., Pichler, G.: 1987, *J. Phys. B* 20, 2231.

1988

Allegrini, M., Cremoncini, A., Gozzini, S., Moi, L.: 1988, Excitation of the  $K_2$  Molecule by the 406.7 nm and 413.1 nm  $Kr^+$  Laser Lines, *Nuovo Cimento D* **10**, 721.

1989

Kowalczyk, P., Milošević, S., Pichler, G.: 1989, *Z. Phys. D* **11**, 213.

418. Milošević, S., Pichler, G.: 1986, *A Study of  $Na_2$  Diffuse Bands in Violet by the Excitation Through Self-Broadened D Lines*, *Z. Phys D* **1**, 223.

1986

Milošević, S., Pichler, G., Düren, R., Hasselbrink, E.: 1986, *Chem. Phys. Lett.* **128**, 145.

1987

Zhuvikin, G. V., Penkin, N. P., Pichler, G.: 1987, in *Radiative Excitation and Ionization Processes*, Inst. Phys. Univ. Zagreb, 7.

1988

Huennekens, J., Loza, A., Masters, M., Sando, K. M.: 1988, Near-infrared bound-free emission from the NaK molecule, *J. Chem. Phys.*, **88**, 6013.

1989

Bahns, J. T., Pichler, G., Stwalley, W. C.: 1989, *J. Chem. Phys.* **90**, 2841.

Milošević, S.: 1989, in *The Phys. Ioniz. Gases (SPIG-88)*, Nova Science Publ., New York, 517.

419. Milošević, S., Pichler, G., Düren, R., Hasselbrink, E.: 1986, *Fluorescence studies of the  $K_2$  diffuse band at 572.5 nm*, *Chem. Phys. Lett.* **128**, 145.

1987

Kowalczyk, P., Milošević, S., Pichler, G.: 1987, in *Radiative Excitation and Ionization Processes*, Inst. Phys. Univ. Zagreb, 29.

1988

Huennekens, J., Loza, A., Masters, M., Sando, K. M.: 1988, Near-infrared bound-free emission from the NaK molecule, *J. Chem. Phys.* **88**, 6013.

Jeung, G.-H., Ross, A. J.: 1988, Electronic structure of the lowest  $^1,^3\Sigma_g^+$ ,  $^1,^3\Sigma_u^+$ ,  $^1,^3\Pi_g$ ,  $^1,^3\Pi_u$ ,  $^1,^3\Delta_g$  and  $^1,^3\Delta_u$  states of  $K_2$  from valence CI calculations, *J. Phys. B* **21**, 1473.

1989

Bahns, J. T., Pichler, G., Stwalley, W. C.: 1989, *J. Chem. Phys.* **90**, 2841.

Kowalczyk, P., Milošević, S., Pichler, G.: 1989, *Z. Phys. D* **11**, 213.

Line Shapes Investigations in Yugoslavia II (1985–1989)

- Milošević, S.: 1989, in *The Phys. Ioniz. Gases (SPIG-88)*, Nova Science Publ., New York, 517.
420. Modrić, D., Pichler, G.: 1986, Collision induced fluorescence of the lowest triplet transition in sodium dimer, XIII SPIG, Šibenik, 385.
421. Movre, M.: 1986, *Intermediate and long-range interaction potentials of homonuclear alkali dimers*, 8 ICSSL, Williamsburg, D7.
422. Movre, M.: 1986, *On the classical shape of satellite bands*, 8 ICSSL, Williamsburg, C 11.
423. Movre, M.: 1986, Long-range potentials of heteronuclear and homonuclear alkali quasimolecules, in *The Physics of Ionized Gases (SPIG-86)*, eds. J. Purić, D. Belić, World Scientific, Singapore, New Jersey, Hong Kong, p. 49.
424. Movre, M.: 1986, *Satellite bands in „Fourier integral“ approach*, XIII SPIG, Šibenik, 307.
425. Palle, M., Milošević, S., Veža, D., Pichler, G.: 1986, *The absorption and emission observations of the sodium near-infrared spectrum*, Opt. Commun. 57, 394.
- 1986
- Modrić, D., Pichler, G.: 1986, XIII SPIG, Šibenik, 385.
- 1987
- Schlejen, J., Post, J., Korving, J., Woerdman, J. R.: 1987, Cell for absorption and fluorescence spectroscopy of high pressure and high-temperature sodium vapor, Rev. Sci. Instrum. 58, 768.
- 1988
- Huennekens, J., Loza, A., Masters, M., Sando, K. M.: 1988, Near-infrared bound-free emission from the NaK molecule, J. Chem. Phys. 88, 6013.
- Yih, T. S., Wu, R. C. Y.: 1988, Observation of an ultraviolet diffuse band in the Na<sub>2</sub> molecule, 68, 35.
- 1989
- Schlejen, J., Jalink, C. J., Korving, J., Woerdman, J. P., Müller, W.: 1989, The absorption spectrum of NaNa from 350 to 1075 nm, J. Phys. B 20, 2691.
426. Pavlov, M., Mijatović, Z.: 1986, *Central dip of the H<sub>β</sub>(D<sub>β</sub>) line in T-tube plasmas*, XIII SPIG, Šibenik, 373.
427. Pavlov, M., Mijatović, Z., Djurović, S., Radujkov, V.: 1986, *Some aspects of the H<sub>β</sub> line central structure*, Faculty of sciences University of Novi Sad, Review of Research, Physics, Series 16, 53.
428. Pavlov, M., Radujkov, V.: 1986, *Influence of the glass-to-plasma boundary layers in T-tube hydrogen plasmas on temperature determination from line to continuum intensity ratios*, XIII SPIG, Šibenik, 369.

1986

Pavlov, M., Terzić, M.: 1986, XIII SPIG, Šibenik, 365.

429. Pavlov, M., Terzić, M.: 1986, *Contribution of the glass-to-plasma boundary layers to the total intensities of low  $n$  Balmer lines in T-tube Hydrogen Plasmas*, XIII SPIG, Šibenik, 365.

1986

Pavlov, M., Radujkov, V.: 1986, XIII SPIG, Šibenik, 369.

430. Pichler, G., Bahns, J. T., Sando, K. M., Stwalley, W. C., Konowalow, D. D., Li, L., Field, R. W., Müller, W.: 1986, *Electronic assignments of the violet bands of sodium*, Chem. Phys. Lett. **129**, 425.

1986

Beuc, R., Milošević, S., Veža, D., Pichler, G.: 1986, 8 ICSLS, Williamsburg, D8.

Kowalczyk, P., Radzewicz, C., Lening, H.: 1986, Spectral properties of the diffuse violet band in Na<sub>2</sub> emission: Key to the understanding of the excitation mechanisms, Chem. Phys. **102**, 377.

Luh, W. T., Bahns, J. T., Sando, K. M., Stwalley, W. C., Heneghan, S. P., Chakravorty, K. P., Pichler, G.: Konowalow, D. D.: 1986, Chem. Phys. Lett. **131**, 335.

Milošević, S., Pichler, G.: 1986, Z. Phys. D **1**, 223.

Schlejen, J., Mooibroek, J., Korving, J., Woerdman, J. P., de Groot, J. J.: 1986, Identification of satellites in the ultraviolet spectrum of sodium vapour, Chem. Phys. Lett. **128**, 489.

Xie, X., Field, R. W.: 1986, Perturbation Facilitated Optical-Optical Double Resonance Spectroscopy of the  ${}^6\text{Li}_2$ ,  $3^3\Sigma_g^+$ ,  $2^3\Pi_g$ ,  $1^3\Delta_g$ ,  $b^3\Pi_u$ , and  $a^3\Sigma_u^+$  states, J. Mol. Spectrosc. **117**, 228.

1987

Beuc, R., Milošević, S.: Veža, D., Pichler, G.: 1987, in Spectral Line Shapes 4, ed. R. J. Exton, A. Deepak, Publ. Hampton, Virginia (USA), 385.

Jeung, G. -H.: 1987, Excited states of Na<sub>2</sub> dissociating into  $3d + 3s$ ,  $4p + 3s$ , and  $5s + 3s$ , Phys. Rev. A **35**, 26.

Milošević, S., Kowalczyk, P., Pichler, G.: 1987, J. Phys. B **20**, 2231.

Schlejen, J., Woerdman, J. P., de Groot, J. J.: 1987, Identification of NaNa satellites in the 320–350 nm spectral region, J. Phys. B **20**, L 369.

1988

Allegrini, M., Cremoncini, A., Cozzini, S., Moi, L.: 1988, Excitation of the K<sub>2</sub> Molecule by the 406.7 nm and 413.1 nm Kr<sup>+</sup> Laser Lines, Nuovo Cimento, D, **10**, 721.

Line Shapes Investigations in Yugoslavia II (1985–1989)

Bahns, J. T., Koh, M., Stwalley, W. C.: 1988, Laser-induced plasmas in alkali metal vapours, XIV SPIG, Sarajevo, 503.

Huennekens, J., Loza, A., Masters, M., Sando, K. M.: 1988, Near-infrared bound-free emission from the NaK molecule, J. Chem. Phys. **88**, 6013.

Luh, W. -T., Bahns, J. T., Lyyra, A. M., Sando, K. M., Kleiber, P. D., Stwalley, W. C.: 1988, Direct excitation studies of the diffuse bands of alkali metal dimers, J. Chem. Phys. **88**, 2235.

Xie, X., Field, R. W., Li, L., Lyyra, A. M., Bahns, J. T., Stwalley, W. C.: 1988, Absolute Vibrational Numbering and Molecular Constants of the Na<sub>2</sub> 2<sup>3</sup>Π<sub>g</sub> State, J. Mol. Spectrosc. **134**, 119.

Yih, T. S., Wu, R. C. Y.: 1988, Observation of an ultraviolet diffuse band in the Na<sub>2</sub> molecule, Opt. Commun. **68**, 35.

1989

Milošević, S.: 1989, in The Phys. Ioniz. Gases (SPIG-88), Nova Science Publ., New York, 517.

Modrič, D., Veža, D., Pichler, G.: 1989, Fizika **21**, 355.

Pichler, G., Sando, K. M., Lyyra, A. M., Michels, H. H., Kleiber, P. D., Hammer, R., Stwalley, W. C.: 1989, Laser-Induced Chemiluminescence of the LiMg Excimer, Chem. Phys. Lett. **156**, 467.

Schlejen, J., Jalink, C. J., Korving, J., Woerdman, J. P., Müller, W.: 1989, The absorption spectrum of NaNa from 350 to 1075 nm, J. Phys. B **20**, 2691.

Shahdin, S., Gondal, M. A., Sharada, S. M.: 1989, Observation of UV (351 nm) Excimer laser, Opt. Commun. **71**, 65.

431. Pittman, T. L., Konjević, N.: 1986, *Stark broadening along homologous sequences of singly ionized noble gases*, JQSRT **35**, 247.

1986

Konjević, N., Pittman, T. L.: 1986, JQSRT **35**, 473.

1987

Dimitrijević, M. S., Mihajlov, A. A., Popović, M. M.: 1987, Astron. Astrophys. Suppl. Series **70**, 57.

Konjević, N., Pittman, T. L.: 1987, JQSRT **37**, 311.

Purić, J., Ćuk, M., Srećković, A., Djenize, S.: 1987, XVIII ICPIG, Swansea, 482.

Purić, J., Djenize, S., Srećković, A., Labat, J., Ćirković, Lj.: 1987, Phys. Rev. A **35**, 2111.

1988

Djenize, S., Labat, J., Platiša, M., Srećković, A., Purić, J.: 1988, XIV SPIG, Sarajevo, 285.

Keliher, P. N., Gerth, D. J., Snyder, J. L., Wang, H., Zhu, S. F.: 1988, *Emission Spectrometry, Analyt. Chem.* **60**, R342.

Wujec, T., Musielok, J.: 1988, Temperature and electron density determination of a He-Ar plasma on the basis of line shape measurements, 9 ICSLS, Toruń, A 16.

**1989**

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.

Djenize, S., Malešević, M., Srećković, A., Milosavljević, M., Purić, J.: 1989, *JQSRT* **42**, 429.

Djurović, S.: 1989, Doktorska disertacija, Beograd, PMF.

Djurović, S., Konjević, N.: 1989, *Z. Phys. D* **10**, 425.

Feautrier, N.: 1989, Line Broadening, in Reports on Astronomy, Transaction of IAU Vol. XXA, Kluwer, Dordrecht, Boston, London, 128.

Kršljanin, V., Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 7.

Lesage, A., Abadie, D., Miller, M. H.: 1989, Stark broadening in krypton and xenon, *Phys. Rev. A* **40**, 1367.

Purić, J., Djenize, S., Srećković, A., Ćuk, M.: 1989, *Fizika* **20**, 485.

432. Pittman, T. L., Konjević, N.: 1986, *Experimental study of Stark broadened N II lines from states of high orbital angular momentum*, *JQSRT* **36**, 289.

**1989**

Feautrier, N.: 1989, Line Broadening, in Reports on Astronomy, Transactions of IAU, Vol. XXA, Kluwer, Dordrecht, Boston, London, 128.

433. Purić, J., Ćuk, M.: 1986, *Stark width and shift regularities within similar spectra of atoms and ions*, XIII SPIG, Šibenik, 345.

434. Purić, J., Djenize, S., Srećković, A., Labat, J., Ćirković, Lj.: 1986, *Stark widths of Ne II spectral lines*, 8 ICSLS, Williamsburg, A7.

**1986**

Srećković, A., Milosavljević, M., Djenize, S., Labat, J., Ćirković, Lj., Purić, J.: 1986, XIII SPIG, Šibenik, 341.

435. Srećković, A., Milosavljević, M., Djenize, S., Labat, J., Ćirković, Lj., Purić, J.: 1986, *Stark parameters of Ne II spectral lines*, XIII SPIG, Šibenik, 341.

436. Uzelac, N. I., Konjević, N.: 1986, *Stark broadening of the He I 4471 Å line and its forbidden component in dense cool plasma*, *Phys. Rev. A* **33**, 1349.

**1988**

Keliher, P. N., Gerth, D. J., Snyder, J. L., Wang, H., Zhu, S. F.: 1988, *Emission Spectrometry, Analyt. Chem.* **60**, R342.

**1989**

Feautrier, N.: 1989, Line Broadening, in Reports on Astronomy, Transaction of IAU, Vol. XXA, Kluwer, Dordrecht, Boston, London, 128.



- Uzelac, N. I.: 1989, Doktorska disertacija, Beograd, ETF.
- Uzelac, N. I., Kobilarov, R., Konjević, N.: 1989, XIX ICPIG, Beograd, 346.
437. Vadla, Č., Niemax, K., Pichler, G.: 1986, *Direct Excitation of Potassium Diffuse Bands by Single Mode Laser Radiation*, Z. Phys. D 2, 233.
- 1987
- Kowalczyk, P., Milošević, S., Pichler, G.: 1987, in Radiative Excitation and Ionization Processes, Inst. Phys. Univ. Zagreb, 29.
- 1988
- Huennekens, J., Loza, A., Masters, M., Sando, K. M.: 1988, Near-infrared bound-free emission from the NaK molecule, J. Chem. Phys. 88, 6013.
- 1989
- Kowalczyk, P., Milošević, S., Pichler, G.: 1989, Z. Phys. D 11, 213.
- Milošević, S.: 1989, in The Phys. Ioniz. Gases, Nova Science Publ., New York, 517.
438. Veža, D., Sansonetti, C, J.: 1986, Ionization of lithium vapor by CW quasisonant laser radiation, 8 ICSSL, Williamsburg, C 6.
439. Veža, D.: 1986, *Continua in the visible emission and absorption spectra of alkali dimers*, in *The Physics of Ionized Gases (SPIG-86)*, eds. J. Purić, D. Belić, World Scientific, Singapore, New Jersey, Hong Kong, 363.
440. Vincze, I.: 1986, *A részecskeütközések hatása a nap-és a csillagkonvekció*, Tudományos találkozó 1986, Előadások kivonatai II, Közös rendezésében, Budapest, 897.
441. Vince, I. I.: 1986, Uticaj sudarnih procesa na Limb-efekt, Doktorska disertacija, Beograd PMF.
- 1989
- Kršljanin, V.: 1989, Publ. Obs. Astron. Belgrade, 37.
- Kršljanin, V., Dimitrijević, M. S.: Bull. Obs. Astron. Belgrade 140, 7.
442. Vince, I., Dimitrijević, M. S.: 1986, *Influence of spectral lines pressure shift on the convective layer diagnostic*, XIII SPIG, Šibenik, 325.
443. Vince, I., Dimitrijević, M. S.: 1986, *Solar spectral line asymmetries and pressure broadening*, 8 ICSSL, Williamsburg, DA2.
444. Vujičić, B. T., Čirković, Lj. M.: 1986, *The electron density determination from Stark parameters of the He I 447.15 nm line*, XIII SPIG, Šibenik, 353.
- 1986
- Vujičić, B. T., Čirković, Lj.: 1986, XIII SPIG, Šibenik, 357.
445. Vujičić, B. T., Čirković, Lj. M.: Kobilarov, R.: 1986, *The electron density determination from Stark parameters of the He I 492.2 nm line*, XIII SPIG, Šibenik, 357.

1987

446. Arsenijević, J., Karabin, M., Kubičela, A., Vince, I.: 1987, *Begining of a study of long-term changes of selected Fraunhofer spectral lines, II Workshop Astrophysics in Yugoslavia*, ed. M. S. Dimitrijević, Beograd, 31.
447. Arsenijević, J., Kubičela, A., Vince, I.: 1987, *Be stars-challenge to the observers and theoreticians*, II Workshop Astrophysics in Yugoslavia, ed. M. S. Dimitrijević, Beograd, 1.
448. Atanacković, O., Borsenberger, J., Oxenius, J., Simonneau, E.: 1987, *Resonance line transfer and transport of excited atoms III. Self-consistent solutions (2)*, JQSRT 38, 427.

1986

Atanacković, O.: 1986, Magistarski rad, Beograd, PMF.

1987

Atanacković-Vukmanović, O., Simonneau, E.: 1987, Bull. Obs. Astron. Belgrade 137, 66.

1989

Atanacković-Vukmanović, O., Simonneau, E.: 1989, Bull. Obs. Astron. Belgrade 140, 127.

449. Atanacković-Vukmanović, O., Dimitrijević, M. S., Simonneau, E.: 1987, *Karakteristike prenosa zračenja u pražnjenjima visokog pritiska koja se koriste u svetlosnim izvorima*, 29 ETAN in marine, Zadar, 282.

450. Atanacković-Vukmanović, O., Simonneau, E.: 1987, *An approximative solution in the frame of kinetic non-LTE approach of Lyman line transfer in chromosferic conditions*, II Workshop Astrophysics in Yugoslavia, ed. M. S. Dimitrijević, Beograd, 21.

451. Atanacković-Vukmanović, O., Simonneau, E.: 1987, *Kinetic effects in non-LTE line transfer in stellar atmospheric conditions*, Bull. Obs. Astron. Belgrade 137, 66.

1987

Atanacković-Vukmanović, O., Dimitrijević, M. S., Simonneau, E.: 1987, 29 ETAN in marine, Zadar, 282.

Atanacković-Vukmanović, O., Simonneau, E.: 1987, Bull. Obs. Astron. Belgrade 137, 58.

1989

Atanacković-Vukmanović, O., Simonneau, E.: 1989, Bull. Obs. Astron. Belgrade 140, 127.

Kršljanin, V.: 1989, Bull. Obs. Astron. Belgrade 140, 123.

452. Atanacković-Vukmanović, O., Simonneau, E.: 1987, *Parameters characterizing non-LTE line radiation transfer in some astrophysical conditions*, Bull. Obs. Astron. Belgrade 137, 58.

1989

- Atanacković-Vukmanović, O., Simonneau, E.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 127.
453. Beuc, R., Milošević, S., Veža, D., Pichler, G.: 1987, *Relation between the diffuse bands and the triplet satellite bands in alkali dimers*, in *Spectral Line Shapes*, Vol. 4, ed. R. J. Exton, A. Deepak Publ., Hampton, Virginia, 385.
454. Beuc, R., Movre, M.: 1987, *Utjecaj neadijabatskih neradijativnih prijelaza na oblik optičkog spektra dvoatomnih molekula*, II konf. IFS-a o Atomskoj Fizici i Fizici kondenzirane materije, Zagreb.
455. Bezuglov, N. N., Klucharev, A. N., Pichler, G.: 1987, *Vliyanie plneniya izlucheniya na shirinu spektral'noj linii*, in *Radiative Excitation and Ionization Processes*, Inst. Phys. Univ. Zagreb, 26.
456. Dimitrijević, M. S.: 1987, *Mehanizmi formiranja linija neutralnog kiseonika u zvezdanim omotačima*, V Jugoslovenski skup iz fizike atomskih sudara, Kopaonik, G2.
457. Dimitrijević, M. S., Feautrier, N., Sahal-Bréchet, S.: 1987, *O I Lines formation in stellar envelopes*, 7 General Conf. European Phys. Society, Trends in Physics, Helsinki, 165.
458. Dimitrijević, M. S., Feautrier, N., Sahal-Bréchet, S.: 1987, *On neutral oxygen lines formation in  $\gamma$  Cas*, II Workshop: Astrophysics in Yugoslavia, Beograd, ed. M. S. Dimitrijević, 39.

1988

- Arsenijević, J., Kubičela, A., Vince, I.: 1988, *Bull. Obs. Astron. Belgrade* **138**, 31.
459. Dimitrijević, M. S., Konjević, N.: 1987, *Simple estimates for Stark broadening of ion lines in stellar plasmas*, *Astron. Astrophys.* **172**, 345.

1986

- Konjević, N., Pittman, T. L.: 1986, *JQSRT* **35**, 473.

1987

- Adelman, S. J., Lanz, T. (eds.): 1987, *Elemental Abundance Analyses*, Inst. d'Astronomie de l'Université de Lausanne.
- Purić, J., Srećković, A., Djenize, S., Platiša, M.: 1987, *Phys. Rev. A* **36**, 3957.

1988

- Dimitrijević, M. S.: 1988, *Bull. Obs. Astron. Belgrade* **139**, 31.
- Dimitrijević, M. S.: 1988, *Astron. Astrophys. Suppl. Series* **76**, 53.
- Dimitrijević, M. S., Popović, M. M.: 1988, XIV SPIG, Sarajevo, 289.
- Griem, H. R.: 1988, *Plasma shifts of ion lines*, *J. Phys. Suppl. au No. 3*, 49, C1-293.

Lanz, T., Dimitrijević, M. S., Artru, M.-C.: 1988, *Astron. Astrophys.* **192**, 249.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M., Labat, J., Platiša, M.: 1988, *Z. Phys. D* **8**, 343.

Purić, J., Djeniže, S., Srećković, A., Milosavljević, M., Platiša, M., Labat, J.: 1988, XIV SPIG, Sarajevo, 345.

Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Ćuk, M.: 1988, *Z. Phys. D* **10**, 431.

Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988, *Phys. Rev. A* **37**, 498.

Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1988, *Phys. Rev. A* **37**, 4380.

**1989**

Ćuk, M. V.: Doktorska disertacija, Beograd, PMF.

Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 111.

Dimitrijević, M. S., Popović, M. M.: 1989, *Astron. Astrophys.* **217**, 201.

Dimitrijević, M. S., Popović, M. M.: 1989, XIX ICPIG, Beograd, 338.

Feautrier, N.: 1989, *Line Broadening*, in *Reports on Astronomy*, Transaction of IAU, Vol. XXA, Kluwer, Dordrecht, Boston, London, 128.

Kršljanin, V., Dimitrijević, M. S.: 1989, *Z. Phys. D* **14**, 273.

Kršljanin, V., Dimitrijević, M. S.: 1989, *Bull. Obs. Astron. Belgrade* **140**, 7.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1989, *Fizika* **20**, 485.

460. Dimitrijević, M. S., Konjević, N., Kršljanin, V.: 1987, *Modified semiempirical estimates of ion lines Stark broadening I. Theory*, in *Spectral Line Shapes 4*, ed. R. J. Exton, Hampton, Virginia, USA, 63.

**1987**

Dimitrijević, M. S., Konjević, N., Kršljanin, V.: 1987, in *Spectral Line Shapes 4*, ed. R. J. Exton, Hampton, Virginia, USA, 65.

**1989**

Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* **37**.

461. Dimitrijević, M. S., Konjević, N., Kršljanin, V.: 1987, *Modified semiempirical estimates of ion lines Stark broadening II. Application*, in *Spectral Line Shapes 4*, ed. R. J. Exton, Hampton, Virginia, USA, 65.

**1987**

Dimitrijević, M. S., Konjević, N., Kršljanin, V.: 1987, in *Spectral Line Shapes 4*, ed. R. J. Exton, Hampton, Virginia, USA, 63.

**1989**

Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* **37**.

462. Dimitrijević, M. S., Kršljanin, V.: 1987, *An Approximate method for electron impact shift calculation*, in *Radiative Excitation and Ionization Processes*, Inst. Phys. Univ., Zagreb, 22.
- 1987  
Kršljanin, V.:; 1987, in *Radiative Excitation and Ionization Processes*, Zagreb, 80.
- 1989  
Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* 37.
463. Dimitrijević, M. S., Mihajlov, A. A., Popović, M. M.: 1987, *Stark broadening trends along homologous sequences*, *Astron. Astrophys. Suppl. Series* 70, 57.
- 1989  
Feautrier, N.: 1989, *Line Broadening*, in *Reports on Astronomy, Transactions of the IAU*, Vol. XXA, Kluwer, Dordrecht, Boston, London, 128.
464. Dimitrijević, M. S., Peach, G.: 1987, *Regularities in line widths due to neutral non resonant collisions*, in *Radiative Excitation and Ionization Processes*, Inst. Phys. Univ., Zagreb, 19.
- 1989  
Vince, I., Dimitrijević, M. S.: 1989, in *Solar and Stellar Granulation*, eds. R. J. Rutten, G. Severino, Kluwer Acad. Publ., 39.
465. Dimitrijević, M. S., Sahal-Bréchet, S.: 1987, *Stark broadening of highly excited C IV lines*, in *Radiative Excitation and Ionization Processes*, Inst. Phys. Univ., Zagreb, 76.
466. Dimitrijević, M. S., Sahal-Bréchet, S.: 1987, *Stark broadening of neutral potassium lines*, *JQSRT* 38, 37.
- 1985  
Dimitrijević, M. S., Sahal-Bréchet, S.: 1985, *Collisions et Rayonnement*, Orleans, P22.
- 1988  
Dimitrijević, M. S., Sahal-Bréchet, S.: 1988, 9 *ICSLS*, A 12.
- 1989  
Dimitrijević, M. S., Sahal-Bréchet, S.: 1989, III seminar „Astrofizika u Jugoslaviji“, Zagreb, 10.
467. Dimitrijević, M. S., Sahal-Bréchet, S.: 1987, *On the Stark broadening of C IV lines*, 7 *General Conf. European Phys. Soc.: Trends in Physics*, Helsinki, 171.
468. Dimitrijević, M. S., Sahal-Bréchet, S.:; 1987, *Stark broadening of K I: Regularities within spectral series*, in *Spectral Line Shapes 4*, ed. R. J. Exton, A. Deepak, Hampton, Virginia, USA, 61.

469. Jankov, S.: 1987, *Constrained deconvolution*, II Workshop: Astrophysics in Yugoslavia, ed. M. S. Dimitrijević, Beograd, 35.
470. Jankov, S.: 1987, *Indirect stellar imaging from spectroscopic and photometric observations*, II Workshop: Astrophysics in Yugoslavia ed. M. S. Dimitrijević, Beograd, 37.
471. Jones, D. D., Pichler, G., Wiese, W. L.: 1987, *Asymmetries in spectral lines due to plasma-ion broadening: Some unusual cases and a possible test for plasma homogeneity*, Phys. Rev. A **35**, 2585.
- 1987
- Vitel, Y., Skowronek, M.: 1987, Noble gas line profiles in dense plasmas: I. Argon, J. Phys. B **20**, 6477.
- 1988
- Keliher, P. N., Gerth, D. J., Snyder, J. L., Wang, H., Zhu, S. F.: 1988, Emission Spectrometry, Analyt. Chem. **60**, R342.
- Zhu, Q., Bridges, J. M., Hahn, T. D., Wiese, W. L.: 1988, Stark broadening of neutral nitrogen transitions, XIX ICPIG, Beograd, 344.
472. Konjević, N., Pittman, T. L.: 1987, *Stark broadening of spectral lines of homologous, doubly ionized inert gases*, JQSRT **37**, 311.
- 1988
- Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Ćuk, M.: 1988, Z. Phys. D **10**, 431.
- Purić, J., Djeniže, S., Srećković, A., Ćuk, M., Labat, J., Platiša, M.: 1988, Z. Phys. D **8**, 343.
- 1989
- Ćuk, M. V., 1989, Doktorska disertacija, Beograd, PMF.
- Dimitrijević, M. S., Popović, M. M.: 1989, Astron. Astrophys. **217**, 201.
- Djurović, S.: 1989, Doktorska disertacija, Beograd, PMF.
- Djurović, S., Konjević, N.: 1989, Z. Phys. D **10**, 425.
- Feautrier, N.: 1989, Line Broadening, in Reports on Astronomy, Transactions of the IAU, Vol. XXA, Kluwer, Dordrecht, Boston, London, 128.
- Purić, J., Djeniže, S., Srećković, A., Ćuk, M. : 1989, Fizika **20**, 485.
- Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1989, XIX ICPIG, Beograd, 328.
473. Kowalczyk, P., Milošević, S., Pichler, G.: 1987, *The pressure effect on the potassium dimer diffuse band*, in *Radiative Excitation and Ionization Processes*, 29.
474. Kowalczyk, P., Milošević, S., Pichler, G.: 1987, *The pressure effect on the potassium dimer diffuse band*, in *Spectral Line Shapes*, Vol. 40. ed. R. J. Exton, A. Deepak Publ., Hampton, Virginia, 387.

475. Kršljanin, V.: 1987, *Stark broadening of resonance lines of the lithium isoelectronic sequence and some astrophysical applications*, in *Radiative Excitation and Ionization Processes*, Inst. Phys. Univ. Zagreb, 80.

1989

Kršljanin, V.: 1989, *Publ. Obs. Astron. Belgrade* 37.

476. Kršljanin, V.: 1987, *Inversion of Solar absorption lines*, III Seminar „Astrofizika u Jugoslaviji“, ed. V. Vujnović, Inst. Fiz. Sveučilišta, Zagreb, 9.
477. Kubičela, A., Vince, I., Dimitrijević, M. S., Dümmler, R.: 1987, *Differential FeI Limb effect around  $\lambda=630.2\text{ nm}$* , in *Spectral Line Shapes 4*, ed. R. J. Exton, A. Deepak, Hampton, Virginia, USA, 619.
478. Lanz, T., Dimitrijević, M. S., Artru, M.- C.: 1987, *Influence of Stark broadening on equivalent widths of Si II visible lines in stellar atmospheres*, II Workshop: Astrophysics in Yugoslavia, ed. M. S. Dimitrijević, Beograd, 33.
479. Milošević, S., Kowalczyk, P., Pichler, G.: 1987, *A study of structured continua in  $K_2$  excited by the 457.9 nm Ar-ion laser line*, *J. Phys. B* 20, 2231.

1986

Luh, W. T., Bahns, J. T., Sando, K. M., Stwalley, W. C., Heneghan, S. P., Chakravorty, K. P., Pichler, G., Konowalow, D. D.: 1986, *Chem. Phys. Lett.* 131, 335.

Vadla, Č., Niemax, K., Pichler, G.: 1986, *Z. Phys. D* 2, 233.

1987

Kowalczyk, P., Milošević, S., Pichler, G.: 1987, in *Radiative Excitation and Ionization Processes*, Inst. Phys. Univ. Zagreb, 29.

Kowalczyk, P., Milošević, S., Pichler, G.: 1987, in *Spectral Line Shapes 4*, ed. R. J. Exton, A. Deepak, Hampton, Virginia, 387.

1988

Allegrini, M., Cremoncini, A., Gozzini, S., Moi, L.: 1988, *Excitation of the  $K_2$  Molecule by the 406.7 nm and 413.1 nm  $Kr^+$  Laser Lines*, *Nuovo Cimento D*, 10, 721.

Huennekens, J., Loza, A., Masters, M., Sando, K. M.: 1988, *Near-infrared bound-free emission from the NaK molecule*, *J. Chem. Phys.* 88, 6013.

1989

Milošević, S.: 1989, in *The Phys. Ioniz. Gases (SPIG-88)*, Nova Science Publ., New York, 517.

Kowalczyk, P., Milošević, S., Pichler, G.: 1989, *Z. Phys. D* 11, 213.

480. Modrić, D., Pichler, G.: 1987, *Spectroscopic investigations of collisional-radiative processes in  $Na_2$  laser*, in *Radiative Excitation and Ionization Processes*, Inst. Phys. Univ., Zagreb, 43.

481. Movre, M.: 1987, *Intermediate and long-range interaction potentials of homonuclear alkali dimers*, in *Spectral Line Shapes 4*, ed. R. J. Exton, A. Deepak, Hampton, Virginia, 383.
482. Movre, M.: 1987, *On the classical shape of satellite bands*, in *Spectral Line Shapes 4*, ed. R. J. Exton, A. Deepak, Hampton, Virginia, 269.
483. Pavlov, M., Terzić, M., : 1987, *Influence of the glass-to-plasma boundary layers in a T-tube on the  $H_{\beta}$  line profile*, JQSRT **37**, 373.
- 1986
- Pavlov, M., Mijatović, Z.: 1986, XIII SPIG, Šibenik, 373.
- Pavlov, M., Radujkov, V.: 1986, XIII SPIG, Šibenik, 369.
- Pavlov, M., Terzić, M.: 1986, XIII SPIG, Šibenik, 365.
484. Pichler, G.: 1987, *Spektroskopija sudarnih procesa pobudjenih atoma alkalija sa živom ili kadmijem*, V. Jug. skup iz Fizike atoma i molekula, Kopaonik, 81.
485. Pichler, G.: 1987, *Interakcija alkalijskih atoma sa živom — paradoks satelita*, II Konf. IFS-a o Atomskoj fizici i fizici kondenzirane materije, Zagreb.
486. Pichler, G., Veža, D, Fijan, D.: 1987, *Spectroscopy of metal vapour excimers, IA-IIB, in Radiative Excitation and Ionization Processes*, Inst. Phys. Univ. Zagreb, 33.
487. Purić, J., Čuk, M., Rathore, B. A.: 1987, *Stark widths and shifts of neutral neon spectral lines*, Phys. Rev. A **35**, 1132.
- 1987
- Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1987, Phys. Rev. A **36**, 3957.
- 1988
- Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988, Phys. Rev. A **37**, 498.
- Purić, J., Djeniže, S., Srećković, A., Čuk, M., Labat, J., Platiša, M.: 1988, Z. Phys. D **8**, 343.
- Purić, J., Srećković, S., Djeniže, S., Labat, J., Čirković, Lj.: 1988, Phys. Lett. A **126**, 280.
- 1989
- Čuk, M. V.: 1989, Doktorska disertacija, Beograd PMF.
- Feautrier, N.: 1989, *Line Broadening*, in *Reports on Astronomy, Transactions of the IAU*, Vol. XXA, Kluwer, Dordrecht, Boston, London, 128.
- Purić, J., Djeniže, S., Srećković, A., Čuk, M.: 1989, Fizika **20**, 485.
488. Purić, J., Čuk, M., Srećković, A., Djeniže, S.: 1987, *Stark width and shift trends in homologous atoms and ions*, XVII ICPIG, Swansea, 482.



1988

Purić, J., Djeniže, S., Srećković, A., Milosavljević, A., Platiša, M., Labat, J.: 1988, XIV SPIG, Sarajevo, 345.

1989

Purić, J., Djeniže, S., Srećković, A., Čuk, M.: 1989, *Fizika*, **20**, 485.

489. Purić, J., Djeniže, S., Srećković, A., Labat, J., Čirković, Lj.: 1987, *Stark widths of Ne II Spectral Lines*, in *Spectral Line Shapes 4*, ed. R. J. Exton, A. Deepak, Hampton, Virginia, USA, 55.

490. Purić, J., Djeniže, S., Srećković, A., Labat, J., Čirković, Lj.: 1987, *Stark widths and shifts of Ne II spectral Lines*, *Phys. Rev. A* **35**, 2111.

1987

Böttcher, F., Breger, P., Hey, J. D., Kunze, H. -J.: 1989, *Dependence of the Stark broadening on the emitter charge for the 3s-3p transitions of Li-like ions*, *Phys. Rev. A* **38**, 2690.

Purić, J., Čuk, M., Srećković, A., Djeniže, S.: 1987, XVIII ICPIG, Swansea, 482.

Purić, J., Djeniže, S., Srećković, A., Milosavljević, M., Labat, J.: 1987, XVIII ICPIG, Swansea, 486.

Purić, J., Srećković, A., Djeniže, S., Platiša, M., Cekić, M.: 1987, XVIII ICPIG, Swansea, 484.

1988

Djeniže, S., Labat, O., Srećković, A., Purić, J.: 1988, 9 ICSSL, Toruń, A 16.

Djeniže, S., Srećković, A., Milosavljević, M., Labat, O., Platiša, M., Purić, J.: 1988, *Z. Phys. D* **9**, 129.

Griem, H. R.: 1988, Plasma shifts of ion lines, *J. Phys. Suppl. au No 3*, **49**, C1-293.

Purić, J., Djeniže, S., Srećković, A., Milosavljević, M., Platiša, M., Labat, J.: 1988, XIV SPIG, Sarajevo, 345.

Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988, *Phys. Rev. A* **37**, 498.

Purić, J., Djeniže, S., Srećković, A., Čuk, M., Labat, J., Platiša, M.: 1988, *Z. Phys. D* **8**, 343.

Purić, J., Srećković, A., Djeniže, S., Labat, J., Čirković, Lj.: 1988, *Phys. Lett. A* **126**, 280.

Wujec, T., Musielok, J.: 1988, Temperature and electron density determination of a He-Ar arc plasma on the basis of line shape measurements, 9 ICSSL, A 30.

1989

Čuk, M. V.: 1989, Doktorska disertacija, Beograd, PMF.

- Djeniže, S., Malešević, M., Srećković, A., Milosavljević, M., Purić, J. 1989, JQSRT 42, 429.
- Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1989, XIX ICPIG, Beograd, 328.
- Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1989, Fizika 20, 485.
491. Purić, J., Djeniže, S., Srećković, A., Milosavljević, M., Labat, J.: 1987, *Stark widths and shifts of O III and O IV lines*, XVIII ICPIG, Swansea, 486.
- 1987
- Purić, J., Srećković, A., Djeniže, S., Platiša, M., Cekić, M.: 1987, XVIII ICPIG, Swansea, 484.
- 1988
- Griem, H. R.: 1988, Plasma shifts of ion lines, J. Phys. Suppl. au No. 3, 49, C1-293.
492. Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1987, *Stark broadening and regularities of prominent multiply ionized nitrogen spectral lines*, Phys. Rev. A 36, 3957.
- 1987
- Böttcher, F., Breger, P., Hey, J. D., Kunze, H.-J.: 1987, Dependence of the Stark broadening on the emitter charge for the 3s-3p transitions of Li-like ions, Phys. Rev. A 38, 2690.
- 1988
- Djeniže, S., Labat, J., Platiša, M., Srećković, A., Purić, J.: 1988, XIV SPIG, Sarajevo, 285.
- Djeniže, S., Labat, O., Srećković, A., Purić, J.: 1988, 9 ICSLS, Toruń, A 16.
- Djeniže, S., Srećković, A., Milosavljević, M., Labat, O., Platiša, M., Purić, J.: 1988, Z. Phys. D 9, 129.
- Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Ćuk, M. . 1988, Z. Phys. D 10, 431.
- Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988, 9 ICSLS, Toruń, A15.
- Purić, J., Djeniže, S., Srećković, A., Ćuk, M., Labat, J., Platiša, M.: 1988, Z. Phys, D 8, 343.
- Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988, Phys. Rev. A 37, 498.
- Purić, J., Djeniže, S., Srećković, A., Milosavljević, M., Platiša, M., Labat, J.: 1988, XIV SPIG, Sarajevo, 345.
- 1989
- Ćuk, M. V.: 1989, Doktorska disertacija, Beograd, PMF.

- Purić, J., Djenize, S., Srećković, A., Ćuk, M.: 1989, *Fizika* 20, 485.
493. Purić, J., Srećković, A., Djenize, S., Platiša, M., Cekić, M.: 1987, *Stark widths and shifts of Cl II, Cl III and Cl IV lines*, XVIII ICPIG, Swansea, 484.
- 1988
- Griem, H. R.: 1988, Plasma shift of ion lines, *J. Phys. Suppl.* au No. 3, 49, Cl-293.
494. Sotirovski, P.: 1987, *Spectral analysis of a white light flare*, II Workshop: Astrophysics in Yugoslavia, ed. M. S. Dimitrijević, Beograd, 25.
495. Valdla, Č., Obrebski, A., Niemax, K.: 1987, *Isotope shift of the  $3s^2S_{1/2}$  and  $3p^2P_J$  levels in  ${}^6,7\text{Li}$* , *Opt. Commun.* 63, 288.
- 1989
- Lawrenz, J., Niemax, K.: 1989, A semiconductor diode laser spectrometry, *Spectrochimica Acta*, 44B, 155.
496. Veža, D., Sansonetti, C. J.: 1987, *Ionization of lithium vapor by CW quasi resonant laser radiation*, in *Spectral Line Shapes, Vol. 4*, ed. R. J. Exton, A. Deepak, Hampton, Virginia, USA, 259.
497. Vince, I., Dimitrijević, M. S.: 1987, *On the C IV line profiles in the white dwarfs*, II Workshop: Astrophysics in Yugoslavia, ed. M. S. Dimitrijević, Beograd, 5.
498. Vince, I., Dimitrijević, M. S.: 1987, *Solar spectral line asymmetries and pressure broadening*, in *Spectral Line Shapes 4*, ed. R. J. Exton, Hampton, Virginia, USA, 621.
- 1987
- Vince, I., Dimitrijević, M. S.: 1987, in *Radiative excitation and Ionization Processes*, Inst. Phys. Univ. Zagreb, 84.
- 1988
- Vince, I., Kubičela, A., Arsenijević, J.: 1988, *Bull. Obs. Astron. Belgrade* 139, 25.
- 1989
- Vince, I., Dimitrijević, M. S.: 1989, in *Solar and Stellar Granulation*, eds. R. J. Rutten, G. Severino, Kluwer, Dordrecht Boston, London, 93.
499. Vince, I., Dimitrijević, M. S.: 1987, *Influence of non resonant collisions with neutral atoms on the Na I lines in the Solar spectrum*, in *Radiative Excitation and Ionization Processes*, Inst. Phys. Univ. Zagreb, 84.
500. Vince, I., Dimitrijević, M. S.: 1987, *Uticaj sudarnih procesa na profile linija natrijuma u Sunčevim i zvezdanim spektrima*, V. Jug. skup iz Fizike atomskih sudara, Kopaonik, G1.

501. Vitel, Y., Skowronek, M., Dimitrijević, M. S., Popović, M. M.: 1987, *Electron-impact broadening along homologous sequence of noble gases*, II Workshop: Astrophysics in Yugoslavia, Beograd, ed. M. S. Dimitrijević, 15.
502. Vujnović, V., Ruždjak, V.: 1987, *Prijelaz vodikovog linijskog spektra u kontinuum*, II Konf. IFS-a o atomskoj fizici i fizici kondenzirane materije, Zagreb.
503. Zhuvikin, G. V., Penkin, N. P., Pichler, G.: 1987, *Opredeleniye parametrov kvazimolekulyarnykh termov po ushireniyu linij ispuskaniya atomov*, in *Radiative Excitation and Ionization processes*, Inst. Phys. Univ. Zagreb, 7.

1988

504. Arsenijević, J., Kubičela, A., Vince, I.: 1988, *Be Stars — A challenge to the observers and theoreticians*, Bull. Obs. Astron. Belgrade **138**, 31.

1988

- Vince, I., Kubičela, A., Arsenijević, J.: 1988, Bull. Obs. Astron. Belgrade **139**, 25.

505. Beuc, R., Movre, M.: 1988, *Line shapes in the region of three closely related Condon points*, 9 ICSSL, Toruń, D3.
506. Beuc, R., Movre, M., Mihajlov, A.: 1988, *Non adiabatic effects in absorption line shapes*, 9 ICSSL, Toruń, D2.
507. Dimitrijević, M. S.: 1988, *Stark broadening of the Fe II lines in the Solar and stellar spectra*, in *Physics of Formation of Fe II Lines Outside LTE*, IAU Coll. 94, eds. R. Viotti, A. Vittone, M. Friedjung, Reidel, Dordrecht (Holland), 211.

1987

- Adelman, S. J., Lanz, T. (eds.): 1987, *Elemental Abundance Analyses*, Inst. d'Astronomie de l'Université de Lausanne.

1988

- Dimitrijević, M. S.: 1988, Bull. Obs. Astron. Belgrade **139**, 31.
- Dimitrijević, M. S.: 1988, Astron. Astrophys. Suppl. Series **76**, 53.

1989

- Kršljanin, V., Dimitrijević, M. S.: 1989, Z. Phys. D **14**, 273.
- Kršljanin, V., Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade **140**, 7.

508. Dimitrijević, M. S.: 1988, *Electron-impact widths of doubly and triply charged ion lines of astrophysical importance*, Astron. Astrophys. Suppl. Series **76**, 53.

1988

- Dimitrijević, M. S.: 1988, Bull. Obs. Astron. Belgrade **139**, 31.
- Dimitrijević, M. S.: 1988, Bull. Obs. Astron. Belgrade **139**, 70.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd, PMF.

Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade 140, 111.

Dimitrijević, M. S., Popović, M. M.: 1989, Astron. Astrophys. 217, 201.

Dimitrijević, M. S., Sahal-Bréchots, S.: 1989, XIX ICPIG, Belgrade, 334.

Hey, J. D., Gawron, A., Xu, X. J., Breger, P., Kunze, H.-J.: 1989, Stark broadening of Ar IV lines in a dense plasma, J. Phys. B 22, 241.

Kršljanin, V.: 1989, Publ. Obs. Astron. Belgrade 37.

Kršljanin, V., Dimitrijević, M. S.: 1989, Z. Phys. D 14, 273.

Kršljanin, V., Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade 140, 7.

Kršljanin, V., Dimitrijević, M. S.: 1989, III Seminar „Astrofizika u Jugoslaviji“, Zagreb, 11.

509. Dimitrijević, M. S.: 1988, *Comparison between different approximate approaches for the calculation of Stark widths of doubly-, and triply-charged ion lines of astrophysical importance*, Bull. Obs. Astron. Belgrade 139, 31.

1989

Dimitrijević, M. S., Sahal-Bréchet, S.: 1989, XIX ICPIG, Beograd, 334.

Hey, J. D., Gawron, A., Xu, J. X., Breger, P., Kunze, H. J.: 1989, Stark broadening of Ar IV lines in a dense plasma, J. Phys. B 22, 241.

Kršljanin, V.: 1989, Publ. Obs. Astron. Belgrade, 37.

Kršljanin, V., Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade 140, 7.

510. Dimitrijević, M. S.: 1988, *Critical selection of line broadening data for astrophysicists*, IX Nac. Konf. Astronoma Jugoslavije, Sarajevo, 8.

511. Dimitrijević, M. S.: 1988, *On the Stark broadening of C IV lines*, Bull. Obs. Astron. Belgrade 139, 70.

1989

Dimitrijević, M. S., Sahal-Bréchet, S.: 1989, XIX ICPIG, Beograd 334.

512. Dimitrijević, M. S., Djurić, Z., Mihajlov, A. A.: 1988, *Electron-impact broadening of Cu IV lines from an electrodynamic macroparticles accelerator arc plasma*, Int. Conf. on Phys. Multiply Charged Ions and Int. Workshop on E.C.R. ion sources, Grenoble, Abstracts of invited and contributed papers, ed. S. Bliman, 2.16.

1988

Djurić, Z.: 1988, *Odredjivanje parametra električnog luka i sastav plazme u elektrodinamičkom akceleratoru*, Magistarski rad, Beograd, PMF.

513. Dimitrijević, M. S., Mihajlov, A. A., Grabowski, B.: 1988, *The influence of Debye shielding on the Stark widths and shifts of ion lines in the adiabatic limit*, XIV SPIG, Sarajevo, 329.

1988

Mihajlov, A. A.: Dimitrijević, M. S.: 1988, Cut-off Coulomb potential in atomic and plasma physics, in *Classical Dynamics in Atomic and Molecular Physics*, eds., T. Grozdanov, P. Grujić, P. Krstić, World Science P.C., Singapore, 463.

514. Dimitrijević, M. S., Peach, G.: 1988, *An investigation of Van der Waals formula within a homologous sequence*, IX Nac. Konf. Astronoma Jugoslavije, Sarajevo, 7.
515. Dimitrijević, M. S., Sahal-Bréchet, S.: 1988, *Comparison between calculated and measured Stark widths of C IV lines*, XIV SPIG, Sarajevo, 333.

1989

Dimitrijević, M. S., Sahal-Bréchet, S.: 1989, XIX ICPIG, Belgrade, 334.

516. Dimitrijević, M. S., Peach, G.: 1988, *Line widths due to neutral nonresonant collisions within a homologous sequence: An investigation of the Van der Waals formula*, XIX SPIG, Sarajevo, 321.
517. Dimitrijević, M. S., Peach, G.: 1988, *Line width regularities and systematic trends due to collisions with neutral perturbers*, 9 ICSLS, Toruń, D9.
518. Dimitrijević, M. S., Popović, M. M.: 1988, *Stark broadening of noble gas ions as a function of the ionization potential*, XIV SPIG, Sarajevo, 289.
519. Dimitrijević, M. S., Sahal-Bréchet, S.: 1988, *On the Stark broadening of Si IV lines: Regularities within spectral series*, 9 ICSLS, Toruń, A12.
520. Djeniže, S., Labat, J., Platiša, M., Srećković, A., Purić, J.: 1988, *Stark-broadening regularities of np-nd transition arrays of nitrogen, oxygen and argon spectral lines*, XIV SPIG, Sarajevo, 285.
521. Djeniže, S., Labat, O., Srećković, A., Purić, J.: 1988, *Stark widths of Br II spectral lines*, 9 ICSLS, Toruń, A16.
522. Djeniže, S., Srećković, A., Milosavljević, M., Labat, O., Platiša, M., Purić, J.: 1988, *Stark broadening and shift of multiply ionized carbon spectral lines*, Z. Phys. D-Atoms, Molecules and Clusters, 9, 129.

1988

Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Ćuk, M.: 1988, Z. Phys. D 10, 431.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M., Platiša, M., Labat, J.: 1988, 9 ICSLS, Toruń, A 15.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd, PMF.

Dimitrijević, M. S., Sahal-Bréchet, S.: XIX ICPIG, Beograd, 334.

- Griem, H. R.: 1989, Stark broadening in multielectron atoms and ions, in *Spectral Line Shapes 5*, ed. J. Szudy, Ossolineum, Wroclaw, 17.
523. Djurović, S., Konjević, N.: 1988, *Experimental study of the Stark broadening of neutral iodine lines*, 9 ICSLS, Toruń, A 17.
- 1989
- Djurović, S.: 1989, Doktorska disertacija, Beograd, PMF.
524. Djurović, S., Konjević, N.: 1988, *Stark broadening along homologous sequences of halogen atoms*, XIV SPIG, Sarajevo, 293.
- 1989
- Djurović, S.: 1989, Doktorska disertacija, Beograd, PMF.
525. Djurović, S., Konjević, N.: 1988, *Stark shift and broadening of F I and Cl II lines*, Z Phys. D 10, 425.
- 1988
- Djurović, S., Konjević, N.: 1988, 9 ICSLS, Toruń, A 17.
- 1989
- Djurović, S.: 1989, Doktorska disertacija, Beograd, PMF.
526. Djurović, S., Konjević, N., Platiša, M., Konjević, N.: 1988, *Stark broadening and shift of neutral bromine lines*, J. Phys. B 21, 739.
- 1988
- Djurović, S., Konjević, N.: 1988, XIV SPIG, Sarajevo, 239.
- Djurović, S., Konjević, N.: 1989, 9 ICSLS, Toruń, A 17.
- 1989
- Djurović, S.: 1989, Doktorska disertacija, Beograd, PMF.
- Djurović, S., Konjević, N.: 1989, Z. Phys. D 10, 425.
- 1989
- Uzelac, N. I., Konjević, N.: 1989, J. Phys. B 22, 2517.
527. Djurović, S., Mijatović, Z., Kobilarov, R.: 1988, *The H $\beta$  Line Dip Shift*, Contrib. Plasma Phys. 28, 229.
- 1988
- Halenka, J., Grabowski, B.: 1988, Shift of the peaks of the H $\beta$  spectral line, XIV SPIG, Sarajevo, 297.
528. Duemmler, R., Kubičela, A., Dozan, V., Bourdonneau, B., Arsenijević, J.: 1988, *The development and weakening of the shell spectrum of 88 Herculis (1977–1987)*, Astron. Astrophys. Suppl. Ser. 75, 311.
529. Fijan, D., Modrić, D., Pichler, G., Veža, D.: 1988, *New metal vapor excimer (NaCd) produced in a photochemical reaction*, XIV SPIG, Sarajevo, 282.
530. Istrefi, L.: 1988, *Stark broadening of spectral lines in some N (II) and C (III) multiplets in Z-pinch plasma*, Revue Roumaine de Physique, 33, 667.

531. Kobilarov, R., Konjević, N., Popović, M. V.: 1988, *Stark broadening and shift of allowed transitions of He I in a proton gas*, XIV SPIG, Sarajevo, 341.
532. Kobilarov, R., Popović, M. V., Konjević, N.: 1988, *Plasma shift of the He II  $P_\alpha$  line*, Phys. Rev. A **37**, 1021.
- 1989
- Hey, J. D.: 1989, Further properties of the generalized functions of Holtsmark and Chandrasekhar and Von Neuman, JQSRT **41**, 167.
- Marangos, J. P.: 1989, VUV Measurements of Plasma Line Shapes, in Spectral Line Shapes 5, ed. J. Szudy, Ossolineum, Wroclaw, 97.
- 1990
- Kobilarov, R.: 1990, Doktorska disertacija, Beograd, PMF.
533. Kršljanin, V.: 1988, *Štarkov pomak jonskih linija kod toplih zvezda (Ion lines Stark shifts in spectra of hot stars)*, IX Nac. konf. astronoma Jugoslavije, Sarajevo, Zbornik rezimea, 3.
534. Lanz, T., Dimitrijević, M. S., Artru, M.-C.: 1988, *Stark broadening of visible Si II lines in stellar atmospheres*, Astron. Astrophys. **192**, 299.
- 1987
- Adelman, S. J., Lanz, T. (eds.): 1987, Elemental Abundance Analyses, Inst. d'Astronomie de l'Université de Lausanne.
- Lanz, T., Dimitrijević, M. S., Artru, M.-C.: 1987, II Workshop: Astrophysics in Yugoslavia, Beograd, 33.
- 1988
- Dimitrijević, M. S.: 1988, Astron. Astrophys. Suppl. Series **76**, 53.
- Dimitrijević, M. S.: 1988, Bull. Obs. Astron. Belgrade **139**, 31.
- Lesage, A., Richou, J.: 1988, Variation of the Stark parameters with the temperature, 9 ICSLS, Toruń, A 37.
- Manola, S., Konjević, N., Richou, J., Lebrun, J. L., Lesage, A.: 1988, Phys. Rev. A **38**, 5742.
- 1989
- Kršljanin, V., Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade **140**, 7.
- Kršljanin, V., Dimitrijević, M. S.: 1989, Z. Phys. D **14**, 273.
- Lesage, A., Lebrun, J. L., Miller, M. H., Manola, S.: 1989, XIX ICPIG, Beograd, 280.
- Pérez, C., de la Rosa, I., de Frutos, A., Gonzales, V., Mar, S.: Stark broadening of several Si II lines, Collisions et Rayonnement, Orleans.
535. Logožar, R., Beuc, R., Movre, M.: 1988, *Van der Waals and resonance interactions in the quasimolecular system Eu-Sr*, Phys. Rev. A **38**, 3969.



536. Logožar, R., Beuc, R., Movre, M.: 1988, *Interaction potentials, oscillator strengths and quasistatic line shape for Eu-Sr Quasimolecule*, 9 ICSSL, Toruń, D2.
537. Manola, S., Konjević, N., Richou, J., Lebrun, J. L., Lesage, A.: 1988, *Stark broadening of the singly ionized xenon lines: Temperature variation*, Phys. Rev. A **38**, 5742.
- 1989
- Lesage, A., Abadie, D., Miller, M. H.: 1989, *Stark broadening in krypton and xenon*, Phys. Rev. A **40**, 1367.
538. Milošević, S.: 1988, *Structured continua in spectra of alkali vapours*, XIV SPIG, Sarajevo, 267.
539. Pichler, G., Fijan, D., Veža, D.: 1988, *Interpretation of the NaCd excimer bands from the discharge lamp emission spectrum*, XIV SPIG, Sarajevo, 274.
540. Pichler, G., Fijan, D., Veža, D., Rukavina, J., Schlejen, J.: 1988, *Satellite and diffuse bands of the KHg excimer*, Chem. Phys. Lett. **147**, 497.
- 1988
- Pichler, G., Veža, D., Fijan, D.: 1988, Opt. Commun. **67**, 45.
- 1989
- Pichler, G., Sando, K. M., Lyyra, M., Michels, H. H., Kleiber, P. D., Hammer, R., Stwalley, W. C.: 1989, Chem. Phys. Lett. **156**, 467.
541. Pichler, G., Henč-Bartolić, V.: 1988, *The observation of Satellite Bands in THg Excimer Emission Spectrum*, XIV SPIG, Sarajevo, 278.
542. Pichler, G., Lyyra, M., Kleiber, P., Stwalley, W. C., Hammer, R., Sando K. M., Michels, H. H.: 1988, *UV Photochemical production of LiMg and the interpretation of the excimer spectrum*, 9 ICSSL, Toruń, G25.
543. Pichler, G., Veža, D., Fijan, D.: 1988, *NaCd Excimer emission bands*, Opt. Commun. **67**, 45.
- 1987
- Pichler, G., Veža, D., Fijan, D.: 1987, in *Radiative Excitation and Ionization Processes*, Inst. Phys. Univ. Zagreb, 33.
- 1988
- Azinović, D., Rukavina, J., Pichler, G., Veža, D.: 1988, *Spectroscopic measurements of electron temperature and density in high-pressure sodium-cadmium and sodium-mercury plasmas*, XIX ICPIG, Beograd, 304.
- Pichler, G., Fijan, D., Veža, D., Rukavina, J., Schlejen, J.: 1988, Chem. Phys. Lett. **147**, 497.
- 1989
- Fijan, D., Pichler, G., Veža, D.: 1989, Chem. Phys. Lett. **154**, 126.

- Pichler, G., Sando, K. M., Lyyra, A. M., Michels, H. H., Kleiber, P., Hammer, R., Stwalley W. C. 1989, Chem. Phys. Lett. 156, 467.
544. Purić, J., Djeniže, S., Srećković, A., Čuk, M.: 1988, *Regularities in neutral and ion line Stark broadening in plasma*, Fizika 20, 485.
- 1988
- Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Čuk, M.: 1988, Z. Phys. D 10, 431.
- Purić, J., Djeniže, S., Srećković, A., Čuk, M., Platiša, M., Labat, J.: 1988, 9 ICSLS, Toruń, A 15.
- 1989
- Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1989, XIX ICPIG, Beograd, 328.
545. Purić, J., Djeniže, S., Srećković, A., Čuk, M., Labat, J., Platiša, M.: 1988, *Stark broadening and regularities of ionized neon and argon spectral lines*, Z. Phys. D 8, 348.
- 1988
- Djeniže, S., Srećković, A., Milosavljević, M., Labat, O., Platiša, M., Purić, J.: 1988, Z. Phys. D 9, 129.
- Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Čuk, M.: 1988, Z. Phys. D 10, 431.
- Purić, J., Djeniže, S., Srećković, A., Čuk, M., Platiša, M., Labat, J.: 1988, 9 ICSLS, Toruń, A 15.
- 1989
- Djeniže, S., Malešević, M., Srećković, A., Milosavljević, M., Purić, J.: 1989, JQSRT 42, 429.
- Purić, J., Djeniže, S., Srećković, A., Čuk, M.: 1989, Fizika 20, 485.
546. Purić, J., Djeniže, S., Srećković, A., Čuk, M., Platiša, M., Labat, J.: 1988, *The influence of the core energy s state on the Stark broadening regularities*, 9 ICSLS, Toruń, A 15.
547. Purić, J., Djeniže, S., Srećković, A., Milosavljević, M., Platiša, M., Labat, J.: 1988, *Stark shifts of N III and O III spectral lines*, XIV SPIG, Sarajevo, 345.
548. Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988, *Stark-broadening regularities of prominent multiply-ionized-oxygen spectral lines in plasma*, Phys. Rev. A 37, 498.
- 1987
- Böttcher, F., Breger, P., Hey, J. D., Kunze, H. -J.: 1987, Dependence of the Stark broadening on the emitter charge for the 3s-3p transitions of Li-like ions, Phys. Rev. A 38, 2690.

1988

Djeniže, S., Labat, J., Platiša, M., Srećković, A., Purić, J.: 1988, XIV SPIG, Sarajevo, 285.

Djeniže, S., Srećković, A., Milosavljević, M., Labat, O., Platiša, M., Purić, J.: 1988, Z. Phys. D 9, 129.

Purić, J., Djeniže, S., Srećković, A., Milosavljević, M., Platiša, M., Labat, J.: 1988, XIV SPIG, 345.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M., Labat, J., Platiša, M.: 1988, Z. Phys. D 8, 343.

Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1988, Phys. Rev. A 37, 4380.

Sarandayev, E. V., Salakhov, M. Kh., Fishman, I. S.: 1988, The investigation of the Stark broadening of spectral lines of heavy elements, XIX ICPIG, Beograd, 342.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd, PMF.

Griem, H. R.: 1989, Stark broadening in multielectron atoms and ions, in Spectral Line Shapes 5, ed. J. Szudy, Ossolineum, Wroclaw, 17.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1989, Fizika 20, 485.

549. Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Ćuk, M.: 1988, *Stark-broadening regularities of lithium-like and sodium-like isoelectronic sequences*, Z. Phys. D 10, 431.

1988

Djeniže, S., Labat, J., Platiša, M., Srećković, A., Purić, J.: 1988, XIV SPIG, Sarajevo, 285.

1989

Griem, H. R.: 1989, Stark broadening in multielectron atoms and ions, in Spectral Line Shapes 5, ed. J. Szudy, Ossolineum, Wroclaw, 17.

Hey, J. D., Gawron, A., Xu, X. J., Breger, P., Kunze, H. J.: 1989, Stark broadening of Ar IV lines in a dense plasma, J. Phys. B 22, 241.

Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1989, XIX ICPIG, Beograd, 328.

550. Purić, J., Srećković, A., Djeniže, S., Labat, J., Ćirković, Lj.: 1988, *Stark widths and shifts of several prominent Ne I spectral lines*, Phys. Lett. A 126, 280.

1988

Purić, J., Djeniže, S., Srećković, A., Ćuk, M., Labat, J., Platiša, M.: 1988, Z. Phys. D 8, 343.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd, PMF.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1989, *Fizika* 20, 485.

551. Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1988, *Stark broadening and regularities of prominent spectral lines of multiply ionized chlorine and fluorine*, *Phys. Rev. A* 37, 4380.

Djeniže, S., Srećković, A., Milosavljević, M., Labat, J., Platiša, M., Purić, J.: 1988, *Z. Phys. D* 9, 129.

Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Ćuk, M.: 1988, *Z. Phys. D* 10, 431.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M., Platiša, M., Labat, J.: 1988, 9 ICSLS, Toruń, A 15.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M., Labat, J., Platiša, M.: 1988, *Z. Phys. D* 8, 343.

1989

Ćuk, M. V.: 1989, Doktorska disertacija, Beograd, PMF.

Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1989, *Fizika* 20, 485

552. Schlejen, J., Woerdman, J. P., Pichler, G.: 1988, *The NaHg Spectrum Revisited: An Analysis of the NaHg  $A^2\Pi$  state and Double-Well  $B^2\Sigma$  State*, *J. Mol. Spectrosc.* 128, 1.

1988

Pichler, G., Fijan, D., Veža, D., Rukavina, J., Schlejen, J.: 1988, *Chem. Phys. Lett.* 147, 497.

Pichler, G., Veža, D., Fijan, D.: 1988, *Opt. Commun.* 67, 45.

553. Simonneau, E., Atanacković-Vukmanović, O.: 1988, *Iteracioni faktori u rešavanju ne-LTR prenosa zračenja u spektralnim linijama (Iteration factors in the solution of the non-LTE line transfer problems, IX Nac. konf. astronoma Jugoslavije, Sarajevo, 2.*

554. Uzelac, N. I., Konjević, N.: 1988, *Kr I and Kr II line shapes and shifts in dense plasmas*, XIV SPIG, Sarajevo, 353.

555. Veža, D., Fijan, D., Pichler, G.: 1988, *Laser induced chemiluminescence of NaCd excimer*, 9 ICSLS, Toruń, G 24.

556. Veža, D., Lawrenz, J., Niemax, K.: 1988, *Velocity dependence of impact line-broadening studied by resonant Doppler-free two photon laser spectroscopy*, *Z. Phys. D* 9, 135.

1989

Lawrenz, J., Niemax, K.: 1989, A semiconductor diode laser spectrometer for laser spectrochemistry, *Spectrochimica Acta* 44B, 155.

557. Veža, D., Lawrenz, J., Niemax, K.: 1988, *Velocity dependence in the collision broadened calcium  $4s^2\ ^1S_0 - 4s5p\ ^1P_1 - 4s17d\ ^1D_2$  line*, 9 ICSLS, Toruń, D 11.
558. Vince, I., Kubičela, A., Arsenijević, J.: 1988, *Belgrade program, for monitoring of activity-sensitive spectral lines of the Sun as a star II. Selection of Fraunhofer Lines and Beginning of a Study of their Long-term Changes*, Bull. Obs. Astron. Belgrade 139, 25.
559. Vitel, Y., Skowronek, M., Dimitrijević, M. S., Popović, M. M.: 1988, *Stark broadening along a homologous sequence of noble gas atomic lines in dense plasmas*, Astron. Astrophys. 200, 285.

1989

- Dimitrijević, M. S., Popović, M. M.: 1989, XIX ICPIG, Beograd, 338.
- Dimitrijević, M. S., Popović, M. M.: 1989, V Jug. skup iz Fizike atomskih sudara, Brioni, 36.
- Dimitrijević, M. S., Popović, M. M.: 1989, Astron. Astrophys. 217, 201.
560. Vujičić, B. T., Kobilarov, R.: 1988, *Experimental Stark width of the He I 667.8 nm line*, 9 ICSLS, Toruń, A 18.

1989

Francuski, T.: 1989, Diplomski rad, Novi SAD, PMF.

1989

561. Atanacković-Vukmanović, O.: 1989, *Non-LTE radiative Transfer*, Bull. Obs. Astron. Belgrade 140, 127.
562. Azinović, D., Pichler, G.: 1989, *Strukturirani kontinuumi NaHg i NaCd egzimera*, II Konf. IFS-a o atomskoj i molekularnoj fizici i fizici čvrstog stanja, Zagreb.
563. Bahns, J. T., Pichler, G., Stwalley, W. C.: 1989, *The 458 nm Diffuse Band of the Lithium Dimer*, J. Chem. Phys. 90, 2841.

1989

- Pichler, G., Sando, K. M., Lyrra, A. M., Michels, H. H., Kleiber, P. D., Hammer, R., Stwalley, W. C.: 1989, *Laser-induced chemiluminescence of the LiMg excimer*, Chem. Phys. Lett. 156, 467.
564. Beuc, R., Movre, M.: 1989, *Satelitske duge u spektrima optičkih prijelaza sa tri Condonove tačke*, VI Jug. skup iz fizike atomskih sudara, Brioni, 17.
556. Ćuk, M. V.: 1989, *Zakovitosti Štarkovog širenja i pomeranja spektralnih linija u plazmi unutar sličnih spektara atoma i jona*, Doktorska disertacija, Beograd, PMF.
567. Dimitrijević, M. S.: 1989, *Stark broadening in astrophysics*, Bull. Obs. Astron. Belgrade 140, 111.

1988

Dimitrijević, M. S., Sahal-Bréchet, S.: 1988, XIV SPIG, Sarajevo 333.

1989

Kršljanin, V.: 1989, Bull. Obs. Astron. Belgrade 140, 123.

568. Dimitrijević, M. S.: 1989, *Približni metodi za dobijanje parametara Štarkovog širenja (uvodno predavanje)*, VI Jug. skup iz fizike atomskih sudara, Brioni, 36.

569. Dimitrijević, M. S.: 1989, *Classical trajectory method in line shapes investigations*, Int. Conf. on Classical Dynamics in Atomic and Molecular Physics, Brioni, 21.

1988

Mihajlov, A. A., Dimitrijević, M. S.: 1988, Cut-off Coulomb potential in atomic and plasma physics, in *Classical Dynamics in Atomic and Molecular Physics*, eds. T. Grozdanov, P. Grujić, P. Krstić, World Scientific, Singapore, 463.

1989

Dimitrijević, M. S., Mihajlov, A. A., Djurić, Z., Grabowski, B.: 1989, J. Phys. B 22, 3845.

570. Dimitrijević, M. S., Atanacković-Vukmanović, O.: 1989, *Plasma screening effects on Stark broadening of ion lines at the adiabatic limit*, Collisions et Rayonnement, Orleans.

571. Dimitrijević, M. S., Djurović, Z., Mihajlov, A. A., 1989, *Electron-impact broadening of Cu IV lines for the diagnostic of the arc plasma of electrodynamic macro-particle accelerator*, Journal de Physique, Suppl. au No 1, Coll. Cl, 50, Cl-623.

572. Dimitrijević, M. S., Mihajlov, A. A., Djurić, Z., Grabowski, B.: 1989, *On the influence of Debye shielding on the Stark broadening of ion lines within the classical model*, J. Phys. B 22, 3845.

573. Dimitrijević, M. S., Popović, M. M.: 1989, *Estimates of Stark width along a homologous sequence*, Astron. Astrophys. 217, 201.

1989

Lesage, A., Abadie, D., Miller, M. H.: 1989, *Stark broadening in krypton and xenon*, Phys. Rev. A 40, 1367.

574. Dimitrijević, M. S., Popović, M. M.: 1989, *Štarkovo širenje duž homolognog niza alkalnih metala*, VI Jug. skup iz fizike atomskih sudara, Brioni, 36.

575. Dimitrijević, M. S., Popović, M. M.: 1989, *Stark broadening along a homologous sequence of earth-alkali-metal ion lines*, XIX ICPIG, Beograd, Contributed papers, ed. J. M. Labat, Faculty of Sciences, 338.

576. Dimitrijević, M. S., Sahal-Bréchet, S.: 1989, *On the semiclassical Stark widths of C IV lines*, XIX ICPIG, Beograd, Contributed papers, ed. J. M. Labat, Faculty of Sciences, 334.

577. Dimitrijević, M. S., Sahal-Bréchet, S.: 1989, *Semiclassical calculations of astrophysically important Stark broadening parameters*, III Seminar Astrofizika u Jugoslaviji, program i apstrakti, ed. V. Vujnović, Inst. Fiz. Sveučilišta, Zagreb, 10.
578. Dimitrijević, M. S., Sahal-Bréchet, S.: 1989, *On the Stark broadening parameters for Li-like ions*, Collisions et Rayonnement, Orleans.
579. Dimitrijević, M. S., Sahal-Bréchet, S.: 1989, *On the Stark broadening of Si IV lines: Influence of different collisional processes*, XIX ICPIG, Beograd, Contributed papers, ed. J. M. Labat, Faculty of Sciences, 336.
580. Dimitrijević, M. S., Vujnović, V.: 1989, *Stark broadening of Cu I lines-new calculations and a review of old results*, XIX ICPIG, Beograd, Contributed papers, ed. J. M. Labat, Faculty of Sciences, 340.
581. Djenize, S., Malešević, M., Srećković, A., Milosavljević, M., Purić, J.: 1989, *Stark broadening and shift of singly-ionized argon spectral lines in higher multiplets*, JQSRT 42, 429.
- 1989
- Kršljanin, V., Dimitrijević, M. S.: 1989, III Seminar Astrofizika u Jugoslaviji, Zagreb, 11.
- Kršljanin, V., Dimitrijević, M. S.: 1989, Z. Phys. D 14, 273.
582. Djurović, S.: 1989, *Štarkovo širenje i pomeranje spektralnih linija neutralnih halogenih elemenata u plazmi stabilisanog električnog luka*, Doktorska disertacija, Beograd, PMF.
- 1989
- Francuski, T.: 1989, Diplomski rad, Novi Sad, PMF.
583. Erkapić, S.: Vince, I.: 1989, *Naš udeo u pripremanju baze podataka za podršku posmatranja na THEMIS-u*, III Seminar Astrofizika u Jugoslaviji, program i apstrakti, ed. V. Vujnović, Inst. Fiz. Sveučilišta, Zagreb, 6.
584. Fijan, D., Pichler, G., Veža, D.: 1989, *Fotokemijska produkcija elektronski ekscitiranog NaCd ekscimera*, III Konf. IFS-a o atomskoj i molekularnoj fizici i fizici čvrstog stanja, Zagreb, 4.
585. Fijan, D., Pichler, G., Veža, D.: 1989, *Photochemical production of the electronically excited NaCd excimer*, Chem. Phys. Lett. 154, 126.
586. Francuski, T.: 1989, *Parametri Štarkovog širenja dve linije neutralnog helijuma*, Diplomski rad, Novi Sad, PMF.
587. Halenka, J., Vujičić, B., Djurović, S.: 1989, *Shift of the peaks of the  $H_{\beta}$  spectral line*, JQSRT 42, 571.
588. Kobilarov, R., Konjević, N., Popović, M. V.: 1989, *Influence of ion dynamics on the width and shift of isolated He I lines in plasmas*, Phys. Rev. A 40, 3871.
589. Kowalczyk, P., Milošević, S., Pichler, G.: 1989, *Collisional population of the  $2^3\Pi_g$  state in  $K_2$* , Z. Phys. D 11, 213.

1989

Milošević, S.: 1989, in *The Phys. Ioniz. Gases*, eds. L. Tanović et al, Nova Science, New York, 517.

590. Kršljanin, V.: 1989, *The spectral line synthesis study in Belgrade*, Bull. Obs. Astron. Belgrade 140, 123.

1987

Kršljanin, V.: 1987, III Seminar Astrofizika u Jugoslaviji, Zagreb, 9

591. Kršljanin, V.: 1989, *On pressure shifts of Fe I lines in stellar atmospheres*, in *Solar and Stellar Granulation*, eds. R. J. Rutten, G. Severino, Kluwer, Academic Publ. 91.

1989

Kršljanin, V.: 1989, Publ. Obs. Astron. Belgrade 37.

Kršljanin, V., Dimitrijević, M. S.: 1989, *Z. Phys. D* 14, 273.

Kršljanin, V., Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade 140, 7.

Kršljanin, V., Dimitrijević, M. S.: 1989, II Seminar Astrofizika u Jugoslaviji, Zagreb, 11.

592. Kršljanin, V.: 1989, *Štarkov pomak jonskih linija kod toplih zvezda (Ion Lines Stark Shifts in spectra of Hot Stars)*, Publ. Obs. Astron. Belgrade 37.

1989

Kršljanin, V., Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade 140, 7.

Kršljanin, V., Dimitrijević, M. S.: 1987, *Z. Phys. D* 14, 273.

593. Kršljanin, V., Dimitrijević, M. S.: 1989, *Modified semiempirical Stark widths and shifts of Ar II lines*, Bull. Obs. Astron. Belgrade 140, 7.

1989

Kršljanin, V., Dimitrijević, M. S.: 1989, *Z. Phys. D* 14, 273.

Kršljanin, V., Dimitrijević, M. S.: 1989, XIX ICPIG, Beograd, 332.

Kršljanin, V., Dimitrijević, M. S.: 1989, XIX ICPIG, Beograd, 330.

Kršljanin, V., Dimitrijević, M. S.: 1989, III Seminar Astrofizika u Jugoslaviji, Zagreb, 7.

594. Kršljanin, V., Dimitrijević, M. S.: 1989, *Modified semiempirical Stark shifts of Ar II lines*, *Z. Phys. D* 14, 273.

1989

Kršljanin, V.: Publ. Obs. Astron. Belgrade 37.

Kršljanin, V., Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade 140, 7.



- Kršljanin, V., Dimitrijević, M. S.: 1989, XIX ICPIG, Beograd, 332.
- Kršljanin, V., Dimitrijević, M. S.: 1989, XIX ICPIG, Beograd, 330.
- Kršljanin, V., Dimitrijević, M. S.: 1989, III Seminar Astrofizika u Jugoslaviji, Zagreb, 11.
595. Kršljanin, V., Dimitrijević, M. S.: 1989, *Modified semiempirical Stark shift examination: I. Ar II Stark line shifts*, XIX ICPIG, Beograd, 330.
- 1989
- Kršljanin, V., Dimitrijević, M. S.: 1989, XIX ICPIG, Beograd, 332.
596. Kršljanin, V., Dimitrijević, M. S.: 1989, *Modified semiempirical Stark shift examination: II. Alkali-like singly charged ion lines Stark shifts*, XIX ICPIG, Beograd, 332.
- 1989
- Kršljanin, V., Dimitrijević, M. S.: 1989, XIX ICPIG, Beograd, 330.
- Kršljanin, V., Dimitrijević, M. S.: 1989, III Seminar Astrofizika u Jugoslaviji, Zagreb, 11.
597. Kršljanin, V., Dimitrijević, M. S.: 1989, *Modified semiempirical theory of Stark broadening in Astrophysics: Ar II line shifts in spectra of B stars*, III Seminar Astrofizika u Jugoslaviji, Program i apstrakti, ed. V. Vujnović, Inst. Fiz. Sveučilišta, Zagreb, 11.
598. Lesage, A., Lebrun, J. L., Miller, M. H., Manola, S.: 1989, *The singly ionized silicon spectra: Transition probabilities and Stark parameters of astrophysical interest, and unexpected results*, XIX ICGPIG, Beograd, 280.
599. Mijović, S., Pantelić, D., Konjević, N., Popović, M.: 1989, *Width measurements of the plasma broadened He II Balmer-beta line*, Fizika 21, 319.
600. Milošević, S.: 1989, *Structured continua in spectra of alkali vapours*, in *The Phys. Ioniz. Gases*, eds. L. Tanović, N. Konjević, N. Tanović, Nova Science Publ., New York, 517.
601. Modrić, D., Veža, D., Pichler, G.: 1989, *Sodium diffuse bands in low pressure hollow cathode discharge spectra*, Fizika 21, 355.
- 1989
- Fijan, D., Pichler, G., Veža, D.: 1989, Chem. Phys. Lett. 154, 126.
602. Modrić, D., Veža, D., Pichler, G.: 1989, *Istraživanje izboja u šupljoj katodi u parama natrija*, III Konf. IFS-a o atomskoj i molekularnoj fizici i fizici čvrstog stanja, Zagreb, 6.
603. Modrić, D., Veža, D., Pichler, G.: 1989, *Natrijeve difuzne vrpce u spektru niskotlačnog izboja u šupljoj katodi*, VI Jug. Skup iz fizike atomskih sudara, Brioni, 27.
604. Pichler, G., Windholz, L., Murso, M.: 1989, *UV laserom inducirana fotokemijska reakcija između Na<sub>2</sub> i Cd odnosno Hg*, III Konf. IFS-a o atomskoj i molekularnoj fizici i fizici čvrstog stanja, Zagreb, 4.

605. Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1989, *Stark width regularities within several ionization stages of Kr and Xe*, XIX ICPIG, Beograd, Contributed papers, ed. J. M. Labat, Faculty of Sciences, 328.

606. Uzelac, N. I.: 1989, *Širenje i pomeranje spektralnih linija atoma i jona inertnih gasova u slaboneidealnoj plazmi impulsnih bljeskalica*, Beograd, ETF.

1989

Popović, M. M.: 1989, Radiative and transport properties of weakly non ideal plasmas, XIX ICPIG, Beograd, Invited papers, ed. V. Žigman, 236.

607. Uzelac, N. I., Kobilarov, R., Konjević, N.: 1989, *Broadening and shift of neutral helium lines in pulsed arc plasma*, XIX ICPIG, Beograd Contributed papers, ed. J. M. Labat, Faculty of Sciences, 346.

608. Uzelac, N. I., Konjević, N.: 1989, *Stark broadening and shift of Kr I and Kr II lines in dense plasma*, J. Phys. B 22, 2517.

609. Veža, D.: 1989, *Ovisnost oblika spektralne linije dvo-fotonskog prijelaza u atomu  $^{40}\text{Ca}$  o relativnoj brzini sudara atoma Ca i Ne*, III Konf. IFS-a o atomskoj i molekularnoj fizici i fizici čvrstog stanja, Zagreb, 7.

610. Vince, I.: 1989, *Investigation of the collisional limb effect and shape of Solar spectral lines at the astronomical Observatory in Belgrade*, Bull. Obs. Astron. Belgrade 140, 117.

1989

Kršljanin, V.: 1989, Bull. Obs. Astron. Belgrade 140, 123.

611. Vince, I., Dimitrijević, M. S.: 1989, *Pressure broadening and Solar spectral line bisectors*, in *Solar and Stellar Granulation*, eds. R. J. Rutten, G. Severino, Kluwer Acad. Publ., 93.

1989

Kršljanin, V., Dimitrijević, M. S.: 1989, Z. Phys. D 14, 273.

Kršljanin, V., Dimitrijević, M. S.: 1989, Bull. Obs. Astron. Belgrade 140, 7.

Kršljanin, V., Dimitrijević, M. S.: 1989, III Seminar Astrofizika u Jugoslaviji, Zagreb, 11.

612. Vujičić, B. T., Djurović, S., Halenka, J.: 1989, *The Stark broadening of the He I 667.8 nm line*, Z. Phys. D 11, 119.

1989

Francuski, T.: 1989, Diplomski rad, Novi sad, PMF.

613. Vujnović, V.: 1989, *Štarkovo širenje spektralnih linija Cu I*, III Konf. IFS-a o atomskoj i molekularnoj fizici i fizici čvrstog stanja, Zagreb, 9.

### III. APPENDIX — PRILOG

#### III.1. Articles with 20 or more citations Članci koji su 20 ili više puta citirani

	No. of citations Br. citata
1. Konjević, N., Labat, J., Ćirković, Lj., Purić, J.: 1970, Z. Physik 235, 35.	45
2. Konjević, N., Mitrović, V., Ćirković, Lj., Labat, J.: 1970, Fizika, 2, 129.	23
3. Konjević, N., Purić, J., Ćirković, Lj., Labat, J.: 1970, J. Phys. B 3, 999.	27
4. Konjević, N., Platiša, M., Purić, J.: 1971, J. Phys. B 4, 1541.	38
5. Platiša, M., Purić, J., Konjević, N., Labat, J.: 1971, Astron. Astrophys, 15, 325.	21
6. Purić, J., Platiša, M., Konjević, N.: 1971, Z. Physik 247, 216.	32
7. Purić, J., Konjević, N.: 1972, Z. Physik 249, 440.	47
8. Hadžiomerspahić, D., Platiša, M., Konjević, N., Popović, M.: 1973, Z. Physik 262, 169.	40
9. Labat, J., Djeniže, S., Ćirković, Lj., Purić, J.: 1974, J. Phys. B 17, 1174.	24
10. Purić, J., Djeniže, S., Labat, J., Ćirković, Lj.: 1974, Z. Physik 267, 71.	34
11. Niemax, K., Pichler, G.: 1975, J. Phys. B 8, 179.	42
12. Platiša, M., Popović, M., Dimitrijević, M., Konjević, N.: 1975, Z. Naturforsch. A 30, 212.	36
13. Platiša, M., Popović, N., Konjević, N.: 1975, Astron. Astrophys. 45, 325.	38
14. Popović, M.V., Platiša, M., Konjević, N.: 1975, Astron. Astrophys. 41, 463.	43
15. Konjević, N., Roberts, J. R.: 1976, J. Phys. Chem. Ref. Dat 5, 209.	130
16. Konjević, N., Wiese, W.,L.: 1976, J. Phys. Chem. Ref. Data 5, 259.	128
17. Movre, M., Pichler, G.: 1977, J. Phys. B 10, 2631.	45
18. Platiša, M., Dimitrijević, M., Popović, M., Konjević, N.: 1977, Astron. Astrophys. 54, 837.	30
19. Platiša, M., Dimitrijević, M. S., Popović, M., Konjević, N.: 1977, J. Phys. B 10, 2997.	23

- |                                                                                                                                                                                                            |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 20. Purić, J., Labat, J., Ćirković, Lj., Lakićević, I., Djeniže, S.: 1977, <i>J. Phys.</i> , B 10, 2375.                                                                                                   | 44 |
| 21. Purić, J., Dimitrijević, M. S., Lakićević, I. S.: <i>Phys. Lett. A</i> 67, 189.                                                                                                                        | 28 |
| 22. Dimitrijević, M. S., Konjević, N.: 1980, <i>JQSRT</i> 24, 451.                                                                                                                                         | 81 |
| 23. Purić, J., Lakićević, I., Glavonjić, V.: 1980, <i>Phys. Lett.</i> 76 A, 128.                                                                                                                           | 42 |
| 24. Miller, M.H., Lesage, A., Purić, J.: 1980, <i>Astrophys. J.</i> 239, 410.                                                                                                                              | 23 |
| 25. Movre, M., Pichler, G.: 1980, <i>J. Phys.</i> 13, 697.                                                                                                                                                 | 36 |
| 26. Veža, D., Rukavina, J., Movre, M., Vujnović, V., Pichler, G.; 1980, <i>Opt. Commun.</i> 34, 77.                                                                                                        | 31 |
| 27. Dimitrijević, M. S., Konjević, N.: 1981, in <i>Spectral Line Shapes</i> , ed. B. Wende, W. de Gruyter, Berlin, New York, 211.                                                                          | 50 |
| 28. Konjević, N., Dimitrijević, M. S.: 1981, in <i>Spectral Line Shapes</i> , ed. B. Wende, W. de Gruyter, Berlin, New York, 241.                                                                          | 29 |
| 29. Dimitrijević, M. S.: 1982, <i>Astron. Astrophys.</i> 112, 251.                                                                                                                                         | 22 |
| 30. Wiese, W. L., Konjević, N.: 1982, <i>JQSRT</i> 28, 185.                                                                                                                                                | 39 |
| 31. Dimitrijević, M. S., Konjević, N.: 1983, <i>JQSRT</i> 30, 45.                                                                                                                                          | 22 |
| 32. Lesage, A., Rathore, B. A., Lakićević, I. S., Purić, J.: 1983, <i>Phys. Rev. A</i> 28, 2264.                                                                                                           | 24 |
| 33. Pichler, G., Milošević, S., Veža, D., Beuc, R.: 1983, <i>J. Phys. B</i> 16, 4619.                                                                                                                      | 30 |
| 34. Dimitrijević, M. S., Sahal-Bréchet, S.: 1984, <i>JQSRT</i> 31, 301.                                                                                                                                    | 31 |
| 35. Konjević, N., Dimitrijević, M. S., Wiese, W. L.: 1984, <i>J. Phys. Chem. Ref. Data</i> 13, 619.                                                                                                        | 37 |
| 36. Konjević, N., Dimitrijević, M. S., Wiese, W. L.: 1984, <i>J. Phys. Chem. Ref. Data</i> 13, 649.                                                                                                        | 39 |
| 37. Dimitrijević, M. S., Sahal-Bréchet, S.: 1985, <i>JQSRT</i> 34, 149.                                                                                                                                    | 20 |
| 38. Vince, I., Dimitrijević, M. S., Kršljanin, V.: 1985, in <i>Progress in Stellar Spectral Line Formation Theory</i> , eds. J. Beckman, L. Crivellari, D. Reidel P.C., Dordrecht, Boston, Lancaster, 373. | 22 |
| 39. Dimitrijević, M. S., Konjević, N.: 1986, <i>Astron. Astrophys.</i> 163, 297.                                                                                                                           | 31 |
| 40. Pichler, G., Bahns, J. T., Sando, K. M., Stwalley, W. C., Konowalow, D. D., Li, L., Field, R. W., Müller, W.: 1986, <i>Chem. Phys. Lett.</i> 129, 425.                                                 | 21 |
| 41. Dimitrijević, M. S., Konjević, N.: 1987, <i>Astron. Astrophys.</i> 172, 345.                                                                                                                           | 21 |

## III.2. Yugoslav scientists — Jugoslovenski istraživači

Name Ime	First paper Prvi članak	Last paper Zadnji članak	No. of papers Br. članaka
Acinger, K.:	1970	1972	3
Arsenijević, J.:	1987	1988	4
Atanacković Vukmanović, O.:	1985	1989	12
Azinović, D.:	1989	1989	1
Beuc, R.:	1980	1989	23
Bojović, V.:	1971	1971	1
Bosanac, S.:	1982	1987	4
Cekić, M.:	1983	1984	2
Čelebonović, V.:	1982	1982	1
Čerić, V.:	1974	1974	2
Ćirković, Lj.:	1968	1987	38
Ćuk, M.:	1980	1989	27
Dimitrijević, M. S.:	1974	1989	169
Djeniže, S.:	1973	1989	33
Djurić, Z.:	1988	1989	3
Djurović, S.:	1975	1989	12
Džimberg, V.:	1981	1981	1
Erkapić, S.:	1989	1989	1
Fijan, D.:	1987	1989	8
Francuski, T.:	1989	1989	1
Glavonjić, V.:	1978	1981	6
Grubor, D	1973	1981	3
Grujić, P.:	1970	1979	11
Hadžiomerspahić, D.:	1972	1973	3
Henč-Bartolić, V.:	1988	1988	1
Istrefi, L.:	1981	1988	5
Jankov, S.:	1985	1987	4
Kajzer, M.:	1978	1978	1
Karabin, M.:	1987	1987	1
Knežević, V.:	1978	1978	1
Kobilarov, R.:	1982	1989	6
Koković, M.:	1975	1975	1
Koledin, D.:	1979	1979	1
Konjević, N.:	1969	1989	119
Konjević, R.:	1985	1988	4
Kostić, B.:	1977	1977	1
Kršljanin, V.:	1984	1989	26
Kubičela, A.:	1986	1988	7
Labat, J. M.:	1968	1989	40
Labat, O.:	1980	1988	6
Lakićević, I. S.:	1973	1985	57
Logožar, R.:	1988	1988	2
Lokner, V.:	1980	1983	2

Milan S. Dimitrijević

Malešević, M.:	1989	1989	1
Manola, S.:	1982	1989	6
Marić, Z.:	1976	1976	1
Marinković, M. D.:	1964	1964	1
Mićunović, J.:	1974	1974	1
Mihajlov, A. A.:	1983	1989	1
Mijatović, Z.:	1989	1989	8
Mijović, S.:	1986	1988	3
Miler, D.:	1970	1973	3
Milosavljević, M.:	1987	1989	4
Milošević, S.:	1981	1989	31
Milošević, Z.:	1976	1976	1
Mitrović, V.:	1970	1971	2
Modrić, D.:	1986	1989	6
Movre, M.:	1976	1989	44
Palle, M.:	1986	1986	1
Panić, K.:	1980	1980	1
Pantelić, D.:	1989	1989	1
Pavlov, M.:	1968	1987	10
Pichler, G.:	1970	1989	102
Platiša, M.:	1970	1989	44
Popović, M. M.:	1973	1989	10
Popović, M. V.:	1972	1989	19
Popović, S.:	1975	1975	1
Purić, J. M.:	1968	1989	104
Radivojević, D.:	1970	1971	2
Radujkov, V.:	1975	1986	4
Rathore, B.:	1982	1987	16
Rukavina, J.:	1980	1980	1
Sotirovski, P.:	1987	1987	1
Ružđak, V.:	1974	1987	8
Srećković, A.:	1986	1989	25
Sušić, R.:	1973	1973	1
Škovrlj, Lj.:	1978	1978	2
Šternberg, Z. W.:	1978	1978	1
Terzić, M.:	1975	1987	4
Tonejc, A.:	1970	1972	5
Urošević, V.:	1973	1973	1
Uzelac, N. I.:	1985	1989	6
Vadla, Č	1972	1986	19
Veža, D.:	1978	1989	45
Vince, I.:	1983	1989	25
Vujičić, B. T.:	1982	1989	11
Vujnović, V.:	1962	1989	16
Vujović, O.:	1974	1974	1
Vukičević, D.:	1983	1985	3

III.3. Index of Yugoslav authors and their coauthors  
Indeks Jugoslovenskih autora i njihovih koautora

- Abadie, D.: 290.  
Acinger, K.: 46.  
Arsenijević, J.: 446, 447, 504, 528, 558.  
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### III.4. Abbreviations — Skraćenice

- AIAAJ — American Institute of Aeronautics and Astronautics Journal  
Ann. Phys. Suppl. — Annales de Physique Supplement  
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  
ECR — Electron Cyclotron Resonance  
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 — Elektrotehnički 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 Gosudarstvenij Universitet  
(Kongres) MFAJ — (Kongres) Matematičara fizičara i astronoma Jugoslavije  
NBS — National Bureau of Standards  
PMF — Prirodno-matematički fakultet  
Sing. J. Phys. — Singaporean Journal of Physics  
SPIG — Symposium on the Physics of the Ionized Gases  
Z. Naturforsch. — Zeitschrift für Naturforschung  
Z. Physik — Zeitschrift für Physik

