

ПУБЛИКАЦИЈЕ АСТРОНОМСКЕ ОПСЕРВАТОРИЈЕ У БЕОГРАДУ
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MILAN S. DIMITRIJEVIĆ

LINE SHAPES INVESTIGATIONS
IN YUGOSLAVIA AND SERBIA IV (1993 – 1997)

(Bibliography and citation index)

ИСТРАЖИВАЊЕ ОБЛИКА СПЕКТРАЛНИХ ЛИНИЈА
У ЈУГОСЛАВИЈИ И СРБИЈИ IV (1993 – 1997)

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SUMMARY: First part of the publication contains review and analysis of the results of spectral line shapes investigations in Yugoslavia and Serbia for 1993-1997. In the second part, the bibliography of the contributions of Yugoslav and Serbian scientists for 1993 - 1997 is given, together with the citation index for 1993 - 1997 for articles published 1962 - 1997.

REZIME: U prvom delu publikacije dat je pregled i analiza istraživanja oblika spektralnih linija u Jugoslaviji i Srbiji u periodu 1989-1993 godine. U drugom delu data je bibliografija radova jugoslovenskih i srpskih istraživača za period 1993 - 1997, sa istorijatom uticaja svakog objavljenog dela na savremenu nauku, što je urađeno navođenjem izvora u kojima su objavljeni članci citirani. Ovakav indeks citata za period 1993 - 1997, dat je i za sve bibliografske jedinice iz perioda 1962 - 1997

I. SPECTRAL LINE SHAPES INVESTIGATIONS IN YUGOSLAVIA AND SERBIA 1993-1997

Three previously published Bibliographies with citation index on Spectral Line Shapes Investigations in Yugoslavia, cover the period 1962 - 1993 (Dimitrijević, 1990, 1991, 1994). From the September of 1993 up to the March of 1997, 261 articles concerning lineshapes investigations have been published by Yugoslav (Serbian) authors. In Serbia have been defended as well 2 Ph. D. and 9 M. Sc. Theses. Consequently, since the first article on this topic (Vujnović et al., 1962) up to the March 1997, 1129 (926 by serbian authors) bibliographic items have been published by 146 Yugoslav authors (119 from Serbia, 26 from Croatia and 1 living in France).

In the considered period various problems have been investigated. Stark broadening of hydrogen and hydrogen-like emitter lines, has been studied in particularly for He II line shapes (924, 1007), and hydrogen line shift due to magnetization of moving plazma (918, 1040). Also, the attention has been paid to the study of H beta line shapes in the presence of a D.C. magnetic field (996, 1083-1085), to the investigation of hydrogen line shapes in a plane - cathode abnormal glow discharge (926, 1128, 1038), radio - frequency discharges (1029) and other discharges (874, 875, 1113, 1114, 1119-1121), the boundary layer influence on low n Balmer lines (1036) and to the influence of ion dynamics (1034).

Work on the experimental determination of Stark broadening parameters of nonhydrogenic atoms and ions has been continued during the considered period: Stark broadening of folowing atoms and ions has been investigated: Ar I (869, 932, 947, 994, 1033, 1082, 1087, 1088), Ar III (993, 1076, 1118), Cd II (994, 1019), Cu I (1031), F V (959), Fe I (1032), He I (885, 1094, 1095), Hg I (873), Na I (873, 950, 961, 1116), N II (945, 946, 1097), N III (958, 1018, 1097), N IV (1097, 1098), Ni I, II (917, 1032, 1091, 1099, 1117), O III (1081), O IV (889, 890, 923, 956, 957, 958, 960, 1006), S III (974, 1049), Si I (873, 1091, 1099). Also, the influence of ion dynamics (927-931, 1009-1013, 1015-1017, 1030, 1092, 1093, 1096), temperature dependence (889, 923, 956, 1006, 1082, 1087), departure from LS coupling (890) and Li- (1042, 1045), Be- (1043, 1045), and B- isoelectronic sequence (956, 957, 1042, 1044, 1046) have been investigated (1125).

Using the semiclassical perturbation approach (Sahal-Bréchet, 1969a,b), the spectra of following elements have been investigated: Be I (878, 905), Mg I (900, 901, 912, 913, 986, 989, 991, 1052, 1072), Al I (904), Rb I (907-909, 981), Se I (1060, 1069, 1070), Sr I (1056, 1057, 1060, 1062), Ba I (1059, 1071, 1125), Li II (978, 979, 985, 1055), Mg II (980, 988, 1064, 1073, 1127), Fe II (962, 967, 969), Ni II (963, 964, 973), Ba II (1059, 1068, 1125), B III (1058, 1063, 1065, 1126), Be III (1053, 1058, 1065), S III (974, 1049), Al III (879, 895), C IV (880), O IV (902, 977, 984), P IV (1061, 1067), S IV (974, 1049), C V (987, 990, 1051, 1074), O V (902, 976, 977), P V (975, 990, 1052), F VII (877), Ne VIII (897, 903, 911), Na IX (897, 911, 914, 983), Al XI (906, 910, 915, 982) and Si XII (899, 906, 910). The influence of oscillator strength values on Stark broadening parameters has been investigated (981) as well.

When it is not possible to use the semiclassical perturbation approach with the appropriate accuracy due to the lack of reliable atomic data, the modified semiempirical method (Dimitrijević and Konjević, 1980) and other approximate methods have been applied. Such methods have been investigated in (992, 1008, 1037) as well as the case of the complexity of radiator in Refs. (876, 1100, 1020). The modified semiempirical approach has been applied to the lines of Sc II (1102, 1105), Bi II (896), Cd II (882), I II (1101), As II (937, 1101), Zn II (882), Br II (1101), Sb II (936, 1101), Y II (1102, 1105), Zr II (1102, 1105), Kr II (1104), Xe II (938, 1103), Zn III (1107), Ge III (1108), As III (1020), Se III (1020) and Cu IV (895).

A special attention has been paid in a number of papers to the investigation of regularities and systematic trends of Stark broadening parameters (871, 872, 883, 884, 1025-1028, 1078, 1079, 1110). Similarities of Stark broadening parameters within spectral series (943, 1027, 1028) have been investigated as well as systematic trends for the same type of transition within a homologous (871, 872), isonuclear (1078, 1079) and isoelectronic sequence (1077). By using regularities and systematic trends, Stark broadening parameters of the following emitters have been predicted: Mg I, Mg II (1112), N V, O VI, S VI, (944), Fe I, Fe II, Fe III, Fe IV, C IV, Si IV (884), Na IX - Ti XX (1080) and doubly-charged ion off-resonances (1111).

Astronomical aspects of spectral line shapes research were studied in a number of publications, as optical depths of the formation of Fraunhofer lines (999), microturbulent sensitivity of solar spectral lines (1089), Mg II h and k lines in spectra of alpha Orionis (1003), IM Pegasi and HR 7275 (1024), IUE spectra of mu Cephei (920-922, 1004), Fourier analysis of rotationally broadened stellar spectra (1002), and Stark broadening parameters for Solar and stellar plasma research (916) and for hot star spectra investigation (893, 894, 934, 935, 939, 940, 965, 968, 971, 972, 1055). 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. In accordance with this programme Solar activity influence on spectral lines, as well as the influence of photospheric parameters on such spectral lines has been investigated in several papers (919, 997, 998, 1123, 1124). Due to need to obtain a better connection between astronomical observations and theoretical interpretations of astrophysical spectra, the radiative transfer investigations have also been carried out (888, 954, 1115). Moreover, the influence of the gravitational field on the shape of spectral lines of Seyfert galaxies and quasars (887, 941, 942, 1023) has been studied as well. The work on the formation of a Data Base for the Active Galactic Nuclei (AGN) spectral lines is also in course (1101, 1022).

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ISTRAŽIVANJA OBLIKA SPEKTRALNIH LINIJA U JUGOSLAVIJI I SRBIJI 1989 - 1993

Tri prethodno objavljene Bibliografije sa indeksom citata o istraživanjima oblika spektralnih linija u Jugoslaviji, pokrivaju period 1962 - 1993. (Dimitrijević, 1990, 1991, 1994). U periodu od septembra 1993. do marta 1997. godine, objavljen je 261 članak koji se odnosi na istraživanje oblika linija jugoslovenskih (srpskih) autora. U Srbiji su takodje odbranjene i 2 doktorske i 9 magistarskih teza. Shodno tome, od prvog članka u ovoj oblasti (Vujnović i dr., 1962) pa do marta 1997, objavljeno je 1129 (926 od strane srpskih autora) bibliografskih jedinica od ukupno 146 (119 iz Srbije, 26 iz Hrvatske i 1 makedonac koji živi u Francuskoj) jugoslovenskih autora.

U razmatranom periodu istraživani su različiti problemi. Štarkovo širenje linija vodonika i vodoniku sličnih emitera, posebno je proučavano u slučaju He II (924, 1007), kao i u slučaju pomaka vodonikovih linija usled magnetizacije plazme koja se kreće (918, 1040). Pažnja je takodje poklonjena proučavanju oblika H beta linije u prisustvu D.C. magnetnog polja (996, 1083-1085), istraživanju oblika vodoničnih linija u neregularnom tinjavom pražnjenju sa ravnom katodom (926, 1128, 1038), radio-frekventnim (1029) i drugim pražnjenjima (874, 975, 1113, 1114, 1119-1121), uticaju graničnog sloja na Balmerove linije sa niskim n (1036) i uticaju dinamike jona (1034).

Rad na eksperimentalnom određivanju parametara Štarkovog širenja linija nevodoničnih emitera nastavljen je u razmatranom periodu. Bilo je istraživano Štarkovo širenje sledećih atoma i jona: Ar I (869, 932, 947, 994, 1033, 1082, 1087, 1088), Ar III (993, 1076, 1118), Cd II (994, 1019), Cu I (1031), F V (959), Fe I (1032), He I (885, 1094, 1095), Hg I (873), Na I (873, 950, 961, 1116), N II (945, 946, 1097), N III (958, 1018, 1097), N IV (1097, 1098), Ni I, II (917, 1032, 1091, 1099, 1117), O III (1081), O IV (889, 890, 923, 956, 957, 958, 960, 1006), S III (974, 1049), Si I (873, 1091, 1099). Istraživan je takodje uticaj dinamike jona (927-931, 1009-1013, 1015-1017, 1030, 1092, 1093, 1096), temperaturna zavisnost (889, 923, 956, 1006, 1082, 1087), odstupanja od LS veze (890), kao i Li- (1042, 1045), Be- (1043, 1045) i B- (956, 957, 1042, 1044, 1046) izoelektronski nizovi (1125).

Koristeći semiklasični perturbacioni prilaz (Sahal-Bréchet, 1969a,b), istraživani su spektri sledećih elemenata: Be I (878, 905), Mg I (900, 901, 912, 913, 986, 989, 991, 1052, 1072), Al I (904), Rb I (907-909, 981), Se I (1060, 1069, 1070), Sr I (1056, 1057, 1060, 1062), Ba I (1059, 1071, 1125), Li II (978, 979, 985, 1055), Mg II (980, 988, 1064, 1073, 1127), Fe II (962, 967, 969), Ni II (963, 964, 973), Ba II (1059, 1068, 1125), B III (1058, 1063, 1065, 1126), Be III (1053, 1058, 1065), S III (974, 1049), Al III (879, 895), C IV (880), O IV (902, 977, 984), P IV (1061, 1067), S IV (974, 1049), C V (987, 990, 1051, 1074), O V (902, 976, 977), P V (975, 990, 1052), F VII (877), Ne VIII (897, 903, 911), Na IX (897, 911, 914, 983), Al XI (906, 910, 915, 982) and Si XII (899, 906, 910). Istraživan je i uticaj vrednosti jačina oscilatora na parametre Štarkovog širenja (981).

Kada nije moguće upotrebiti semiklasičan perturbacioni prilaz sa odgovarjućom tačnošću, pošto nemamo pouzdane atomske podatke, korišćeni su modifikovani

semiempirijski metod (Dimitrijević i Konjević, 1980) i drugi približni metodi. Takvi metodi istraživani su u referencama (992, 1008, 1037), kao i slučaj kompleksnosti emitera (876, 1020, 1100). Modifikovani semiempirijski prilaz primenjen je na linije Sc II (1102, 1105), Bi II (896), Cd II (882), I II (1101), As II (937, 1101), Zn II (882), Br II (1101), Sb II (936, 1101), Y II (1102, 1105), Zr II (1102, 1105), Kr II (1104), Xe II (938, 1103), Zn III (1107), Ge III (1108), As III (1020), Se III (1020) i Cu IV (895).

U brojnim radovima su istraživane regularnosti i sistematski trendovi parametara Štarkovog širenja (871, 872, 883, 884, 1025-1028, 1078, 1079, 1110). Istraživane su sličnosti parametara Štarkovog širenja u okviru spektralnih serija (943, 1027, 1028), kao i sistematski trendovi za isti tip prelaza u homolognim (871, 872), izonuklearnim (1078, 1079) i izoelektronskim nizovima (1077). Koristeći regularnosti i sistematske trendove, procenjeni su parametri Štarkovog širenja za sledeće emitere: Mg I, Mg II (1112), N V, O VI, S VI, (944), Fe I, Fe II, Fe III, Fe IV, C IV, Si IV (884), Na IX - Ti XX (1080), kao i za ne rezonantne linije dvostruko naelektrisanih jona (1111).

Astronomski aspekti istraživanja spektralnih linija proučavani su u brojnim priložima. Istraživane su optičke dubine formiranja Fraunhoferovih linija (999), osetljivost sunčevih spektralnih linija na mikroturbulentnost (1089), Mg II h i k linije u spektrima alpha Orionis (1003), IM Pegasi i HR 7275 (1024), IUE spektri mu Cephei (920-922, 1004),

Furijeova analiza rotaciono proširenih linija u zvezdanim spektrima (1002), kao i parametri Štarkovog širenja za istraživanje sunčeve i zvezdane plazme (916), kao i za istraživanje spektara toplih zvezda (893, 894, 934, 935, 939, 940, 965, 968, 971, 972, 1055).

Na Astronomskoj opservatoriji u Beogradu u toku realizacije je Beogradski program po kome se u toku 11 godišnjeg sunčevog ciklusa prate spektralne linije Sunca kao zvezde, koje su osetljive na njegovu aktivnost. U skladu sa ovim programom uticaj sunčeve aktivnosti na parametre spektralnih linija, kao i uticaj fotosferskih parametara na ovakve linije, istraživan je u nekoliko članaka (919, 997, 998, 1123, 1124). Takodje su vršena i istraživanja prenosa zračenja, usled potrebe da se poboljša veza između astronomskih posmatranja i teorijske interpretacije astrofizičkih spektara (888, 954, 1115). Izučavan je i uticaj gravitacionog polja na oblik spektralnih linija Sejfertovih galaksija i kvazara (887, 941, 942, 1023). Takodje je u toku i rad na formiranju baze podataka o spektralnim linijama jezgara aktivnih galaksija (AGN) (1101, 1022).

II. BIBLIOGRAPHY AND CITATION INDEX BIBLIOGRAFIJA I INDEKS CITATA

INTRODUCTION

The bibliography with the citation index is divided in four parts. In the first, second and third part are given the citation index of articles from 1962-1985, 1985-1989 and 1989 - 1993 period respectively, given in Dimitrijević (1990, 1991, 1994), with the same numeration. Moreover, the number in brackets after the number of an article, if exists, denotes that at least one author is from Serbia. In such a manner the corresponding bibliography for Serbia is included as well. In the fourth part is the bibliography of articles up to the March of 1997 (1993-1997 period and the bibliographical items not included in Dimitrijević 1990, 1991, 1994) and the corresponding citation index. Besides the included citations, papers of Yugoslav scientists are cited in bibliographical reviews: Dimitrijević (1996, 1997), and Dimitrijević and Popović (1996). 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 četiri dela. U prvom, drugom i trećem delu dat je indeks citata članaka iz perioda 1962-1985, 1985-1989 i 1989-1993 respektivno, koji su ušli u prethodne preglede (Dimitrijević, 1990, 1991, 1994), sa istom numeracijom. Osim toga, broj u zagradi iza rednog broja članka ako postoji, označava da je najmanje jedan autor iz Srbije. Na taj način prisutna je i odgovarajuća bibliografija za Srbiju. U četvrtom delu je bibliografija članaka do marta 1997 (period 1993-1997 i bibliografske jedinice koje nisu uključene u prethodne preglede (Dimitrijević, 1990, 1991, 1994)) i odgovarajući indeks citata. Osim uključenih citata, članci Jugoslovenskih autora su u velikom broju citirani u bibliografskim pregledima: Dimitrijević (1996, 1997) i Dimitrijević i Popović (1996). 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.

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III. APPENDIX - PRILOG

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	No of citations
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6. Purić, J., Platiša, M., Konjević, N.: 1971, Z. Physik 247, 216.	32
7. Purić, J., Konjević, N.: 1972, Z. Physik 249, 440.	95
8. Hadžiomerspahić, D., Platiša, M., Konjević, N., Popović, M.: 1973, Z. Physik 262, 169.	55
9. Labat, J., Djeniže, S., Ćirković, Lj., Purić, J.: 1974, J. Phys. B 17, 1174.	29
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	No of citations
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56. Konjević, N., Pittman, T.L.: 1987, JQSRT, 37, 311.	28
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	No of citations
	Broj citata
69. Dimitrijević, M. S., Sahal-Bréchet, S.: 1992, <i>Astron. Astrophys. Suppl. Series</i> , 93, 359.	36
70. Glenzer, S., Uzelac, N.I., Kunze, H. J.: 1992, <i>Phys.Rev.A</i> , 45, 8795.	26
71. Dimitrijević, M. S., Sahal-Bréchet, S.: 1992, <i>Astron. Astrophys. Suppl. Series</i> , 95, 109.	37
72. Dimitrijević, M. S., Sahal-Bréchet, S. Bommier, V.: 1991, <i>Astron. Astrophys. Suppl. Series</i> , 89, 581.	88

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	1993	6
Atanacković-Vukmanović, O.:	1985	1996	27
Azinović, D.:	1989	1990	2
Beuc, R.:	1980	1989	23
Bajin, I.:	1993	1993	1
Bajović, S. V.:	1993	1993	1
Banjac, O.:	1995	1995	1
Blagojević, B.:	1994	1997	14
Bojović, V.:	1971	1971	1
Bosanac, S.:	1982	1987	4
Božin, J.:	1992	1992	1
Brnović, M. J.:	1992	1992	2
Bukvić, S.:	1992	1996	12
Bzenić, S.:	1990	1992	3
Cekić, M.:	1983	1984	4
Čelebonović, V.:	1982	1982	1
Čerić, V.:	1974	1974	2
Ćirković, Lj.:	1968	1987	38
Ćuk, M.:	1980	1996	35
Cupać, S.:	1991	1991	1
Dimitrijević, M. S.:	1974	1997	378
Djeniže, S.:	1973	1996	87
Djurašević, G.:	1995	1995	2
Djurić, Z.:	1988	1994	5
Djurović, S.:	1975	1997	46
Džimberg-Malčić, V.:	1981	1990	3
Erkapić, S.:	1989	1996	13
Fijan, D.:	1987	1989	8
Francuski, T.:	1989	1989	1
Glavonjić, V.:	1978	1981	6
Gnjatović, S.:	1991	1991	1
Grubor, D. P.:	1973	1981	3

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Name Ime	First paper Prvi članak	Last paper Zadnji članak	No. of papers Br. članaka
Grujić, P.:	1970	1996	14
Hadžiomerspahić, D.:	1972	1973	3
Henč-Bartolić, V.:	1988	1990	2
Istrefi, L.:	1981	1991	6
Ivković, M.:	1993	1996	10
Jankov, S.:	1985	1995	7
Jelenković, B.:	1990	1992	4
Jevremović, D.:	1993	1995	8
Jovičić, Z.:	1991	1991	1
Kajzer, M.:	1978	1978	1
Karabin, M.:	1987	1992	3
Kljajić, S.:	1989	1989	1
Knežević, V.:	1978	1978	1
Kobilarov, R.:	1982	1997	46
Koković, M.:	1975	1975	1
Koledin, D.:	1979	1979	1
Konjević, N.:	1969	1997	188
Konjević, R.:	1985	1995	13
Kostić, B.:	1977	1977	1
Kovačević, A.:	1996	1996	1
Kršljanin, V.:	1984	1993	45
Kubičela, A.:	1986	1996	16
Kuraica, M.:	1990	1996	10
Labat, J. M.:	1968	1996	76
Labat, O.:	1980	1991	10
Lakićević, I. S.:	1973	1985	57
Logožar, R.:	1988	1988	2
Lokner, V.:	1980	1983	2
Malešević, M. M.:	1988	1988	1
Malešević, Z.:	1989	1989	1
Manola, S.:	1982	1989	6
Marić, Z.:	1976	1976	1
Marinković, M.:	1991	1991	1
Marinković, M. D.:	1964	1964	1

Milan S.Dimitrijević

Name Ime	First paper Prvi članak	Last paper Zadnji članak	No. of papers Br. članaka
Marković-Kršljanin, S.:	1990	1991	2
Mendaš, I.:	1993	1993	1
Mićunović, J.:	1974	1974	1
Mihajlov, A. A.:	1983	1994	11
Mijatović, Z.:	1987	1997	45
Mijović, S.:	1986	1988	3
Miler, D.:	1970	1973	3
Miljević, V.:	1995	1997	2
Milosavljević, M.:	1987	1996	7
Milosavljević, V.:	1994	1996	3
Milošević, S.:	1981	1990	32
Milošević, Z.:	1976	1976	1
Mišković, A.:	1994	1994	1
Mitrović, V.:	1970	1971	2
Milovanov T.:	1995	1995	1
Modrič, D.:	1986	1990	8
Movre, M.:	1976	1990	44
Nikolić, B.:	1991	1995	2
Nikolić, D.:	1993	1994	2
Palle, M.:	1986	1986	1
Panić, K.:	1980	1980	1
Panić, Z.:	1991	1991	1
Pantelić, D.:	1989	1989	1
Pavlov, M.:	1968	1996	30
Paunović, D. R.:	1990	1990	1
Pavlović, M. S.:	1991	1991	1
Pavlović, N. Z.:	1991	1991	1
Petrović, Z. Lj.:	1990	1992	3
Pichler, G.:	1970	1991	113
Pivalica, S.:	1991	1993	3
Platiša, M.:	1970	1996	65
Popović, L. Č.:	1991	1996	45
Popović, M. M.:	1973	1992	11
Popović, M. V.:	1972	1997	33

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Name Ime	First paper Prvi članak	Last paper Zadnji članak	No. of papers Br. članaka
Popović, S.:	1975	1975	1
Pružljanin, G.:	1993	1993	1
Purić, J. M.:	1968	1996	136
Racković, I.:	1990	1990	1
Radivojević, D.:	1970	1971	2
Radovanov, S.:	1990	1995	3
Radujkov, V.:	1975	1986	4
Rathore, B.:	1982	1987	16
Rukavina, J.:	1980	1980	1
Ruždjak, V.:	1974	1987	8
Savić, I.:	1995	1996	6
Šćepanović, M.:	1994	1994	2
Šišović, N.:	1995	1996	2
Škovrlj, Lj. .	1978	1991	3
Skuljan, J.:	1990	1996	6
Skuljan, Lj.:	1993	1995	9
Sotirovski, P.:	1987	1992	2
Spasojević, Dj.:	1994	1994	1
Srećković, A.:	1986	1996	68
Stanković, D.:	1990	1990	1
Stanković, N.:	1991	1991	1
Stefanović, I. M.:	1990	1995	8
Stevan ov, M.:	1996	1996	2
Šternberg, Z. W.:	1978	1978	1
Stojanović, V.:	1992	1992	1
Stokić, Z.:	1992	1992	1
Sušić, R.:	1973	1973	1
Terzić, M.:	1975	1987	5
Urošević, V.:	1973	1973	1
Todorović-Vasović, K. N.:	1991	1995	4
Tonejc, A.:	1970	1972	5
Uzelac, N. I.:	1985	1993	17
Vadla, Č.:	1972	1986	19
Velikić, Z. B.:	1991	1991	1

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Name Ime	First paper Prvi članak	Last paper Zadnji članak	No. of papers Br. članaka
Veža, D.:	1978	1990	49
Videnović, I.:	1995	1996	6
Vince, I.:	1983	1996	50
Vrhovac, S.:	1991	1992	2
Vujičić, B. T.:	1982	1996	27
Vujković-Cvijin, P.:	1993	1993	1
Vujnović, V.:	1962	1991	19
Vujović, O.:	1974	1974	1
Vukičević, D.:	1983	1985	3
Zumbulović, Lj.:	1994	1994	1

III. 3. Index of Yugoslav authors and their coauthors

Indeks Jugoslovenskih autora i njihovih koautora

- Abadie, D.: 289, 290.
Acinger, K.: 46.
Arsenijević, J.: 504, 528, 558, 860.
Artru, M. -C.: 391, 534.
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- Djurić, Z.: 571, 895.
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- Glenzer, S.: 784, 785, 842, 865.
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- Grujić, P.: 126, 147, 1000, 1001, 1089.
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- Ivković, M.: 864, 924, 929, 931, ~~951, 1007~~, 1015, 1016, 1033, 1095.
- Jankov, S.: 1002, 1023, 1038.
- Jelenković, B.: 704, 798, 874.
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- Jones, D. W.: 471.
- Kelleher, D. E.: 154.
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- Kobilarov, R.: 527, 532, 662, 663, 838, 847, 887, 918, 927-931, 995, 996, 1011-1017, 1039, 1081-1087, 1093-1095, 1128.
- Konjević, N.: 13, 16, 17, 21, 28, 32, 44, 49, 80, 82, 84, 91, 92, 108, 134, 136, 145, 154, 158, 169, 199-202, 233, 264, 303, 310, 311, 358, 395, 409, 411, 431, 432, 436, 459, 472, 525, 526, 537, 608, 623, 625, 657, 663, 665-667, 731, 790, 791, 799, 847, 865, 889, 890, 923-932, 951, 957-

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III. 4. Abbreviations - Skraćenice

- AIAAJ - American Institute of Aeronautics and Astronautics Journal
AIP - American Institute of Physics
Ann. Phys. Suppl. - Annales de Physique Supplement
CCP/7 - Collaborative Computational Project No 7
CDS - Centre des Données Stellaires
C. R. H. Acad. Sci. - Comptes Rendus Hebdomadaires de l'Académie des Sciences
DIAM - Dynamique des Ions, Atomes et Molécules
ECAMP - European Conference on Atomic and Molecular Physics
ECAP - European Conference on Atomic Physics
ECR - Electron Cyclotron Resonance
EGAS - European Group for Atomic Spectroscopy
ERAM - European Regional Astronomy Meeting
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 Vysokih 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
NIST - National Institute of Standards and Technology
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

№ 1 (1947)

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№ 3 (1949)

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