

**A. MOGRAFIJA U MEĐUNARODNIM ČASOPISIMA  
MONOGRAPH IN INTERNATIONAL JOURNAL**

1. N.Konjević,  
Plasma broadening and shifting of non-hydrogenic spectral lines:  
Recent status and applications,  
Physics Reports 316, No.6, 339-401 (1999).

**B. PREGLEDNI ČLANCI U MEĐUNARODNIM ČASOPISIMA  
REVIEW ARTICLES IN INTERNATIONAL JOURNALS**

1. N.Konjević and J.R.Roberts,  
A critical review of the Stark widths and shifts of spectral lines from non-hydrogenic atoms,  
J.Phys.Chem.Ref.Data 5, 209-57 (1976).
2. N.Konjević and W.L.Wiese,  
Experimental Stark widths and shifts for non-hydrogenic spectral lines of ionized atoms  
(a critical review and tabulation of selected data),  
J.Phys.Chem.Ref.Data 5, 259-308 (1976).
3. N.Konjević, M.S.Dimitrijević and W.L.Wiese,  
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, 619-47 (1984).
4. N.Konjević, M.S.Dimitrijević and W.L.Wiese,  
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, 649-86 (1984).
5. N.Konjević and W.L.Wiese,  
Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms (a critical review of selected  
data for period 1983 through 1988 ),  
J.Phys.Chem.Ref.Data 19, 1307-85 (1990).
6. N.Konjević, A.Lesage, J.R.Fuhr and W.L.Wiese  
Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms (a  
critical review of selected data for period 1989 through 2000 ),  
J.Phys.Chem.Ref.Data 31, 819-927 (2002).
7. M.Ivković, S.Jovićević and N.Konjević,  
Low electron density diagnostics: development of optical emission spectroscopic  
techniques and some applications to microwave induced plasmas,  
Spectrochim.Acta B 59, 591-605 (2004).
8. N.Konjević, M.Ivković and S.Jovićević,  
Spectroscopic diagnostics of laser-induced plasmas,  
Spectrochim.Acta B 65, 593-602 (2010).
9. N.Konjević, M.Ivković and N.Sakan,  
Hydrogen Balmer lines for low electron number density plasma diagnostics,  
Spectrochim. Acta B 76, 16-26 (2012)

10. M.Ivković and N.Konjević,  
Stark width and shift for electron number density diagnostics of low temperature plasma:  
Application to silicon LIBS,  
Spectrochim. Acta B 131, 79–92 (2017)

#### **C. PREGLEDNI ČLANCI U DOMAĆIM ČASOPISIMA I KNJIGAMA REVIEW ARTICLES IN YUGOSLAV JOURNALS AND BOOKS**

1. N.Konjević,  
Primena lasera za detekciju toksičnih supstanci u atmosferi,  
Naučno-tehnički pregled 24, 61-77 (1974).
2. M.S.Dimitrijević i N.Konjević,  
Širenje spektralnih linija u plazmi u knjizi Savremena istraživanja u fizici,  
redaktor V.Urošević, Naučna knjiga (1981) str.191-217.
3. Konjević,  
Laserska spektroskopija u knjizi Savremena istraživanja u fizici, redaktor  
B.Dragović, Naučna knjiga, Beograd (1982) str.162-92.
4. N.Konjević,  
Laseri sa promenljivom talasnom dužinom,  
Sveske Fizičkih Nauka (SFIN), VI, 100-13 (1993).
5. N.Konjević, M.M.Kuraica and I.R.Videnović,  
Spectroscopic studies of an analytical glow discharge,  
Scientific Review (Serbian Scientific Society) Ser.  
Science and Engineering, 24, 15-30 (1997)

#### **D. UNIVERZITETSKI UDŽBENIK UNIVERSITY TEXTBOOK**

1. N.Konjević,  
Uvod u kvantnu elektroniku-lasere, Naučna knjiga, Beograd  
(1981).

#### **E. MAGISTARSKI RAD I DOKTORSKA DISERTACIJA MSc and PhD THESIS**

1. N.Konjević,  
Određivanje srednjeg vremena boravka čestica u plazmi jednosmernog luka,  
Magistarski rad, Prirodno-matematički fakultet, Univerziteta u Beogradu, Beograd (1965).
2. N.Konjević,  
A laser interferometric study of argon arc plasmas,  
PhD Thesis, Electrical Engineering Department, University of Liverpool, Liverpool (1968).

## **F. UVODNA PREDAVANJA PO POZIVU NA KONFERENCIJAMA INVITED LECTURES AT THE CONFERENCES**

1. N.Konjević, H.Edels and K.R.Hearne,  
Laser interferometry and its application to high pressure plasmas,  
5th Summer School in Physics of Ionized Gases, Herceg Novi, August (1968); Editor: B.Perović, Boris Kidrič  
Institute of Nuclear Sciences, Beograd (1969) p.299-320.
2. J.R.Roberts and N.Konjević,  
A critical review of the Stark widths and shifts of neutral non-hydrogenic lines,  
2nd International Conference on Spectral Line Shapes, Eugene, Oregon, August 26-30 (1974). Invited lectures  
were not published.
3. N.Konjević,  
The importance of light refraction in plasma spectroscopy,  
VIII International Summer School on the Physics of Ionized Gases, Dubrovnik, August 27-September 3 (1972);  
Proceedings of invited lectures, Editor: B.Navinšek, J.Stefan Institute Ljubljana (1976) p.719-35.
4. N.Konjević,  
Stark broadening of non-hydrogenic atom and ion lines,  
3rd International Conference on Spectral Line Shapes, London 13-17 September,  
(1976). Invited lectures were not published.
5. N.Konjević,  
Stark broadening of non-hydrogenic atom and ion lines in plasma (an overview of experimental data),  
Dubrovnik Aug.23-Aug.27, (1982); Editor: G.Pichler,  
Institute of Physics of the University, Zagreb (1982) p.417-34.
6. N.Konjević.  
Stark broadening of multielectron atom and ion lines: present status and applications,  
XIX Int.Conf.Phen.Ioniz.Gases, Belgrade 10th-14th July (1989), Invited papers, Editor: V. Žigman, Faculty of  
Physics, University of Belgrade (1989) p.382-389.
7. N.Konjević and N.I.Uzelac,  
A review of the Stark widths and shifts of spectral lines from non-hydrogenic atoms and ions in weakly-coupled  
plasmas and experimental results for XeI and XeII lines,  
Conference Spectral Line Formation in Plasmas under Extreme or Unusual Conditions, Nice August 31 to  
September 4, (1987) published in  
  
N.Konjević and N.I.Uzelac  
A review of the Stark widths and shifts of spectral lines from non-hydrogenic atoms and ions in weakly-coupled  
plasmas and experimental results for XeI and XeII lines,  
J.Quant.Spectrosc.Radiat.Transfer 44, 61-70 (1990).
8. N.Konjević,  
Ion-dynamic effects in non-hydrogenic spectra,  
10th International Conference on Spectral Line Shapes, Austin, TX, June 25-29 (1990); Editors: L.Frommhold  
and J.W.Keto, AIP Conference Proceedings 216, New York (1990) p.19-30.
9. N.Konjević,  
Influence of ion-dynamics on the width and shift of non-hydrogenic spectral lines in plasmas,  
Elementary processes in clusters, lasers and plasmas,  
Proceedings of the Pentagonal Workshop in Kuhtai (Innsbruck) Austria, April 8-12, Editors: T.D.Mark and  
R.W. Schrittwieser, STUDIA Studienforderungs, Innsbruck (1991) p.344-53.

10. N.Konjević, M.Kuraica and I.R.Videnović,  
Spectroscopic studies of an analytical glow discharge,  
Proceedings of the First Belarussian-Yugoslavian Symposium on Physics and Diagnostics of Laboratory & Astrophysical Plasmas, July 1-3, 1966, Minsk, Belarus, Eds.V.S.Burakov and M.S.Dimitrijević,  
Publ.Obs.Astron. No.53, Belgrade (1996) p.23, one page abstract.
  
11. N.Konjević,  
Plasma broadening and shifting of non-hydrogenic spectral lines: present status and applications,  
Proceedings of the Second Yugoslav Conference on Spectral Line Shapes, September 29.-October 2, 1997, Bela Crkva, Eds.L.Č.Popović and M.Čuk,  
Publ.Obs.Astron No.57, Belgrade (1997) p.7, one page abstract.
  
12. N. Konjević, I.R. Videnović and M.M. Kuraica,  
Emission Spectroscopy of the Cathode Fall Region of an Analytical Glow Discharge,  
Invited Papers, 23<sup>rd</sup> International Conference on Phenomena in Ionized Gases (ICPIG 97), July 17 - 22, 1997, Toulouse, France,  
  
N. Konjević, I.R. Videnović and M.M. Kuraica,  
J.Phys. IV France 7 (1997) Colloque C4, p. 247-258.
  
13. Z.Mijatović, D.Nikolić, S.Djurović, R.Kobilarov and N.Konjević,  
Stark broadening of argon lines in plasmas,  
Proceedings of the second Yugoslav-Belarussian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, September 5-6, 1998, Zlatibor, Yugoslavia, Eds.: M.S.Dimitrijević and V.S.Burakov,  
Publ.Obs.Astron. No.61, Belgrade, (1998) p.27, one page abstract.
  
14. M.M.Kuraica and N.Konjević,  
Spectroscopic electric field measurements in the cathode fall region of analytical glow discharge,  
12<sup>th</sup> Yugoslav Conference on General and Applied Spectroscopy, 25- 27, October 1999, Belgrade,  
Eds.:M.R.Todorović and U.B.Mioc,  
Serbian Chemical Society, Belgrade (1999) two page abstract p.9-10
  
15. A.Lesage, N. Konjević and J.R.Fuhr,  
Progress in spectral line shapes and shifts valuation of experimental Stark broadening parameters,  
14<sup>th</sup> International Conference on Spectral Line Shapes, State College Pennsylvania, June 22-26, 1998. Ed.R.M.Herman,  
Spectral Line shapes, Vol.10, AIP Conference Proceedings 467, AIP, New York (1999) p.27-36.
  
16. N. Konjević  
On the plasma broadening and shifting of non-hydrogenic spectral lines,  
XII Nat.Conf. of Yugoslav Astronomers and International Workshop on the Development of Astronomical Databases, Belgrade 1999, Eds. L.C.Popović and M.Dačić,  
Publ.Astron.Obs. Belgrade No.65 (1999) p.12, one page abstract

17. D.Nikolić, S.Djurović, Z.Mijatović, R.Kobilarov and N.Konjević,  
Quasi-static Stark profile as a model of the spectral line shape of heavy neutral non-hydrogen emitters,  
3<sup>rd</sup> Yugoslav Conference on Spectral Line Shapes, Brankovac, October 4<sup>th</sup> to 6<sup>th</sup>, 1999.
- D.Nikolić, S.Djurović, Z.Mijatović, R.Kobilarov and N.Konjević,  
Quasi-static Stark profile as a model of the spectral line shape of heavy neutral non-hydrogen emitters,  
J.Res.Phys. 28, 185-98 (1999)
18. D.Nikolić, S.Djurović, Z.Mijatović, R.Kobilarov and N.Konjević,  
On modeling of the spectral line shape of heavy neutral non-hydrogenic emitters,  
Proc.of 3<sup>rd</sup> Belarussian-Yugoslav Symp. On Phys.. and Diagnostics of Lab. and Astrophys.Plasma, September 17-21, 2000, Minsk, Belarus, Contributed papers, Eds: V.S.Burakov and M.S.Dimitrijević, Publ. Astron. Obs. Belgrade, No68 (2000) p.133, one page abstract
19. M.M.Kuraica, I.R.Videnović and N.Konjević,  
Spectroscopic method for ion energy distribution measurements in the cathode fall region of helium glow discharge,  
Proc. 5<sup>th</sup> Int.Conf.on Fundamental and Applied Aspects of Physical Chemistry, September 27-29, 2000, Belgrade, Yugoslavia, Eds.:S.Ribnikar and S.Anić, Soc.Phys.Chem.Serbia, Belgrade (2000) pp.63-70.
20. B.Bлагоjević, M.V.Popović and N.Konjević,  
On the electron temperature measurements in a medium electron density plasmas,  
3<sup>rd</sup> Yugoslav Conference on Spectral Line Shapes, Brankovac, October 4<sup>th</sup> to 6<sup>th</sup>, 1999.  
J.Res.Phys. 28, 209-217 (1999)
21. N.Konjević, J.R.Fuhr and W.L.Wiese,  
Plasma broadening and shifts of non-hydrogenic spectral lines:an overview of recent results,  
15<sup>th</sup> Int. Conf.. Spectral Line Shapes, , Berlin, 10-14 July, 2000, Ed.J.Seidel, Spectral Line shapes, Vol.11, AIP Conference Proceedings 559, New York (2001) pp.117-
22. N.Konjević,  
On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics,  
XVth Europhysics Conference on Atomic and Molecular Physics of Ionized Gases (XVth ESCAMPIG), Miskolc-Lillafured, Hungary 26-30 August 2000.
- N.Konjević,  
On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics,  
Plasma Sources Sci.Technol. 10, 356-363 (2001).
23. N.Konjević,  
Plasma broadening and shifting of non-hydrogenic spectral lines:present status and applications,  
First Workshop on Plasma Physics and Laser Induced Plasma Spectroscopy and Applications, 11-13 January, 2002, Tunis, Tunisia, Book of Abstracts, page C8
24. S.Djurović, D.Nikolić, Z.Mijatović, R.Kobilarov and N.Konjević,  
Line shape study of neutral argon lines in plasma of an atmospheric pressure wall stabilized argon arc,  
Invited Papers, 25th International Conference on Phenomena in Ionized Gases (ICPIG 97), July 17 - 22, 2001, Nagoya, Japan.
- S.Djurović, D.Nikolić, Z.Mijatović, R.Kobilarov and N.Konjević,  
Line shape study of neutral argon lines in plasma of an atmospheric pressure wall stabilized argon arc,

Plasma Sources Sci. Technol. 11, 95-99 (2002))

25. B.M.Jelenković, N.Konjević,  
Nelinearna atomska optika,  
“Epoha kvanta”-100 godina od otkrića kvanta energije (Naučni skupovi  
Srpske akademije nauka i umetnosti), knj. XCIX, Odeljenje za matematiku,  
fiziku i geo-nauke, knjiga 3, Beograd (2002) str.51-68.
26. S.Jovičević, M.Ivković, N.Konjević,  
Parametric study of an atmospheric pressure microwave induced plasma of the mini MIP torch,  
Invited Lecture, IV Yugoslav-Belarusian Symposium on Physics and Diagnostics of  
Laboratory and Astrophysical Plasmas, Belgrade 23-24 August 2002, Eds.: M.Čuk,  
L.Č.Popović and V.S.Burakov,  
Publ.Astron.Obs.Belgrade No.74, 37-52 (2002)
27. N.Konjević, M.Ivković, S.Jovičević,  
Application of hydrogenic and non-hydrogenic spectral line shapes for low electron density plasma diagnostics,  
4<sup>th</sup> Conference on Plasma Physics and Plasma Technology  
(PPPT-4), Minsk 14-19 September 2003, invited lecture, four pages summary in Contributed papers Published  
by Institute of Molecular and Atomic Physics National Academy of Sciences Belarus (2003) pp. 329-32.
28. N.Konjević,  
Plasma broadening of non-hydrogenic lines: progress and problems,  
Atomic Physics Symposium in recognition of the career and scientific achievements of Wolfgang Wiese,  
National Institute of Standards and Technology, (2003) Gaithersburg,  
Md, USA, printed material is not available
29. N.Konjević, Šć.S. Miljanić, D.Pantelić i M. V.Popović,  
Laseri i optika, u knjizi “Primenjena fizika u Srbiji,”  
urednici: S.Koički, N.Konjević, Z.Petrović i Dj.Bek-Uzarov,  
Srpska akademija nauka i umetnosti, knjiga: CIV, Beograd (2003) str. 209-232
30. N.Konjević,  
Anomalous Doppler broadening of hydrogen Balmer lines in gas discharges,  
V Symposium of Belarus, Serbia and Montenegro on Physics and Diagnostics of laboratory  
and Astrophysical Plasmas – PDP-V 2004, Minsk 20-23 September 2004, invited lecture,  
one page summary in Contributed papers, Eds.: V.S.Burakov and A.F.Chernyavskii, Published by Institute  
of Molecular and Atomic Physics National Academy of Science, Belarus, Minsk (2004) p. 1.
31. N. Konjević and M. M. Kuraica,  
Excessive Doppler Broadening of Hydrogen Balmer Lines in Gas Discharges,  
in The Physics of Ionized Gases, Eds: Lj. Hadžievski, T. Grozdanov, and N. Bibić, 22nd Summer School and  
International Symposium on the Physics of Ionized Gases, August 23 - 27, 2004, National Park Tara - Bajina  
Baašta, AIP Conference Proceedings 740 (2004) 268-281.
32. M.A.Gigosos, M.A.Gonzalez and N.Konjević,  
Temperature dependence of the Stark broadening dominated by strong collisions,  
18<sup>th</sup> International Conference on Spectral Line Shapes, Eds.: E.Oks and M.S.Pindzola, June 4-9 2006, Auburn,  
Alabama, USA, American Institute of Physics Proceedings 874 (2006) pp.35-44
33. M.Ivković, S.Jovičević, R.Žikić and N.Konjević,  
Application of spectral lines for low electron density plasma diagnostics.  
VI Serbian-Belarusian symposium on physics and diagnostics of laboratory & astrophysical plasma,  
Belgrade, Serbia, 22-25 August 2006, Eds.: M. Čuk, M.S.Dimitrijević, J.Purić and N.Milovanović,  
Publ. Astron.Obs. Belgrade, No.82, (2007) pp. 117-128.

34. N.M.Šišović, G.Lj.Majstorović and N.Konjević,  
Excessive Doppler broadening of H<sub>α</sub> and D<sub>α</sub> line in a hollow cathode glow discharge,  
ibid. pp. 183-200.
35. N.Konjević, M.Ivković and S.Jovićević,  
Low-electron density plasma diagnostics by optical emission spectroscopy,  
XVIIth Symposium on Physics of Switching Arc Phenomena, Brno University of Technology, Brno Czech Republic, September 10-13, 2007, Volume II, Invited papers, Eds.: V.Aubrecht and M.Bartlova,  
Brno-Letohrad (2007) pp. 27-36.
36. N.Konjević, N.M.Šišović, G.M.Majstorović,  
Spectroscopic study of a glow discharge-surface interaction using the Balmer alpha line shape of hydrogen isotopes,  
European Working Group for Glow Discharge (EW-GDS), Brusesels, September 13-14 (2007) abstract
37. N.Konjević, N.M.Šišović, G.M.Majstorović,  
Balmer alpha line shape of hydrogen isotopes for monitoring discharge-metal surface interaction,  
XVII Symposium on Condensed Matter Surface SFKM, 16-20 September, Vršac, Program and  
Contributed Papers, Eds.: R.Žikić, Z.M.Popović, M.Damnjanović and Z.Radović, Institute of Physics,  
Belgrade (2007) p. 220
38. N.Konjević and N.M.Šišović,  
Anomalous Broadening of Hydrogen Balmer Lines in Electric Gas Discharges,  
19<sup>th</sup> International Conference on Spectral Line Shapes, Eds.: M.A.Gigosos and M.A.Gonzalez, June 15-20,  
Valladolid (Spain), American Institute of Physics Conference Proceedings 1058 (2008) pp. 81-88
39. J.Dufty, N.Konjević, V.Lisitsa, and R.Stamm,  
A roundtable on the first 50 years of quantum theories of Stark broadening.  
19<sup>th</sup> International Conference on Spectral Line Shapes, Eds.: M.A.Gigosos and M.A.Gonzalez, June 15-20,  
Valladolid (Spain), American Institute of Physics Conference Proceedings 1058 (2008) pp. 373-379
40. Nikola Konjević,  
Spectroscopic diagnostics of laser produced plasmas,  
5<sup>th</sup> Euro Mediterranean Symposium on Laser Induced Breakdown Spectroscopy,  
5<sup>th</sup> EMSLIBS, 28 September 1 October, Tivoli Terme, Rome, Italy (2009) p.24,  
one page abstract  
  
N.Konjević, M.Ivković and S.Jovićević,  
Spectroscopic diagnostics of laser-induced plasmas,  
Spectrochim.Acta B 65, 593–602 (2010). Published as review article, see also  
REVIEW ARTICLES under number 8
41. M. A Gonzalez, M. Ivković, M. A. Gigosos, S. Jovićević, N. Lara and N. Konjević,  
Conference: 11th High-Tech Plasma Processes Conference (HTPP) Location: Brussels, Belgium,  
Date: Jun 27 Jul. 02, 2010.  
  
M.A Gonzalez, M. Ivković, M.A. Gigosos, S. Jovićević, N. Lara and N. Konjević.  
Plasma diagnostics using the He I 447.1nm line at high and low densities,  
J. Phys. D: Appl. Phys. **44**, 194010 (7pp) (2011)
42. N.Konjević and M.Ivković.  
On the application of optical emission spectroscopy for low electron density plasma diagnostics,  
Fourth Central European Symposium on Plasma Chemistry, August 21-25, 20011. Zlatibor, Serbia,  
Book of Abstracts Eds. M.M.Kuraica and B.Obradović, Published by Faculty of Physics.

University of Belgrade, Studentski trg 12, Belgrade (2011) 15-16, Printed by 1909, MINERVA,  
Karadjordjević put 37, Subotica, ISBN 978-86-84539-08-5

43. J.Jovović and N.Konjević,  
Segmented micro hollow gas discharge at atmospheric pressure,  
The X Symposium of Belarus and Serbia on Physics and Diagnostics of Laboratory and Astrophysical Plasmas (X PDP), August 25 – 29, 2014, Belgrade, Serbia, Proceedings, Eds.: M.M.Kuraica, B.M.Obradović and N.Cvetanović,  
Belgrade, Faculty of Physics (Subotica: Minerva) ISBN 978-86-84539-12-2  
pp. 45 - 48.
44. G.Lj.Majstorović, N.V.Ivanović, N.M. Šišović, S. Djurović and N.Konjević,  
Spectral line shapes for Grimm type glow discharge diagnostics,  
ibid. pp. 62 – 65.
45. D.J.Spasojević, M.Cvejić, V.Steflekova, N.M.Šišović and N.Konjević,  
On the kinetic model of cathode sheath and its relation to Balmer line shapes in micro-hollow and abnormal glow discharge,  
ibid. pp. 71 – 73.

#### **G. RADOVI U MEĐUNARODNIM ČASOPISIMA PAPERS IN INTERNATIONAL JOURNALS**

1. N.Konjević and K.R.Hearne,  
Low frequency oscillations in a He-Ne laser,  
Electronics Lett. 2, 461 (1966).
2. K.R.Hearne and N.Konjević,  
Laser interferometric measurements of electron density in an arc plasma,  
Z.Phys. 204, 443-55 (1967).
3. K.R.Hearne and N.Konjević,  
Electron density measurements during a current perturbation of a wall stabilized argon arc,  
Z.Phys. 208, 65-72 (1968).
4. N.Konjević, K.R.Hearne and H.Edels,  
Determination of some transport properties of argon from transient arc behaviour,  
Z.Phys. 214, 109-26 (1968).
5. N.Konjević and K.R.Hearne,  
Measurements of arc electron densities using a CO<sub>2</sub> laser,  
Phys.Lett. 28A, 309-10 (1968).
6. J.Purić, J.Labat, Lj.Čirković and N.Konjević,  
Experimental study of Stark broadening of neutral helium line 5876 Å in a plasma,  
Fizika 2, 67-72 (1970).
7. N.Konjević, Lj.Čirković and J.Labat,  
Laser interferometric measurements of electron density in a shock wave plasma,  
Fizika 2, 121-28 (1970).



8. N.Konjević, V.Mitrović, Lj.Ćirković and J.Labat,  
Measurements of the Stark broadening parameters of several singly ionized nitrogen lines,  
*Fizika* 2, 129-35 (1970).
9. N.Konjević, J.Labat, Lj.Ćirković and J.Purić,  
Measurements of the Stark broadening parameters of some singly ionized argon lines,  
*Z.Phys.* 235, 35-43 (1970).
10. N.Konjević, M.Platiša and J.Labat,  
Experimental study of the Stark broadening of neutral chlorine lines,  
*Phys.Lett.* 32A, 420-1 (1970).
11. N.Konjević, J.Purić, Lj.Ćirković and J.Labat,  
Measurement of the Stark broadening parameters of several SiIII lines,  
*J.Phys.B: Atom.Molec.Phys.* 3, 999-1003 (1970).
12. N.Konjević, D.Radivojević, Lj.Ćirković and J.Labat,  
Investigation of the Stark broadening of several CIII lines,  
*J.Phys.B: Atom.Molec.Phys.* 3, 1742-8 (1970).
13. M.Platiša, J.Purić, N.Konjević and J.Labat,  
Measurement of electron impact broadening of ionized berilium and barium lines in electric  
shock tube plasma,  
*Astron.Astrophys.* 15, 325-8 (1971).
14. N.Konjević, M.Platiša and J.Purić,  
Electron impact broadening of ionized chlorine lines,  
*J.Phys.B: Atom.Molec.Phys.* 4, 1541-7 (1971).
15. J.Purić, M.Platiša and N.Konjević,  
Stark broadening of singly ionized strontium and calcium lines,  
*Z.Phys.* 247, 216-22 (1971).
16. J.Purić, N.Konjević, M.Platiša and J.Labat,  
Stark shift of Cl I and Cl II lines,  
*Phys.Lett.* 37A, 425-6 (1971).
17. M.Stanisavljević and N.Konjević,  
Application of the Abel integral equation to optically thin plasma sources,  
*Fizika* 4, 13-22 (1972).
18. J.Purić and N.Konjević,  
Stark shift of some isolated spectral lines of singly ionized earth alkaline metals,  
*Z.Phys.* 249, 440-4 (1972).
19. N.Konjević, M.Platiša and M.Popović,  
Stark broadening and shift of fluorine I lines,  
*Z.Phys.* 257, 235-44 (1972).
20. R.Konjević, J.Jovičić, N.Konjević and Lj.Ćirković,  
Time resolved spectroscopy of rhodamine dye laser,  
*Fizika* 5, 17-26 (1973).
21. R.Konjević and N.Konjević,  
Coaxial, glass flashlamp for organic dye laser,

- Fizika 5, 49-51 (1973).
22. R.Konjević and N.Konjević,  
Dye laser for absorption trace analysis of sodium,  
Spec.Lett. 6, 177-81 (1973).
  23. D.Hadžiomerspahić, M.Platiša, N.Konjević and M.Popović,  
Stark broadening and shift of some isolated spectral lines of singly ionized earth alkaline metals,  
Z.Phys. 262, 169-79 (1973).
  24. V.Oklobdžija and N.Konjević,  
Refractive-ray bending in axially-symmetric plasma sources,  
J.Quant.Spectrosc.Radiat.Transfer 14, 389-94 (1974).
  25. R.Konjević and N.Konjević,  
Coaxial glass flashlamp and dye laser system,  
Fizika 6, 61-5 (1974).
  26. N.Konjević and M.Koković,  
He-Ne laser for intra-cavity enhanced absorption measurement,  
Spec.Lett. 7, 615-20 (1974).
  27. M.Platiša, M.Popović, M.Dimitrijević and N.Konjević,  
Stark broadening of AIII and AIV lines,  
Z.Naturforsch. 30a, 212-5 (1975).
  28. M.V.Popović, M.Platiša and N.Konjević,  
Stark broadening of NII and NIII lines,  
Astron.Astrophys. 41, 463-5 (1975).
  29. M.Platiša, M.V.Popović and N.Konjević  
Stark broadening of OII and OIII lines,  
Astron.Astrophys. 45, 325-7 (1975).
  30. S.Popović and N.Konjević,  
Correction for refractive-ray bending in axially-symmetric plasma sources,  
J.Quant.Spectrosc.Radiat.Transfer 16, 15-9 (1976).
  31. S.Popović and N.Konjević,  
On the thermal conductivity of hydrogen at elevated temperatures,  
Z.Naturforsch. 31a, 1042-5 (1976).
  32. M.Platiša, M.Dimitrijević, M.Popović and N.Konjević,  
Stark broadening of FII and CIII lines,  
Astron.Astrophys. 54, 837-40 (1977).
  33. N.Konjević, M.Orlov and M.Trtica,  
Laser intracavity technique for detection of traces of insecticides,  
Spec.Lett. 10, 311-7 (1977).
  34. M.Platiša, M.Dimitrijević, M.Popović and N.Konjević,  
Stark broadening of SiIII and SiIV lines,  
J.Phys.B: Atom.Molec.Phys. 10, 2997-3004 (1977).

35. R.Konjević and N.Konjević,  
Wavelength tuning of nitrogen pumped dye laser,  
*Opt.Commun.* 23, 187-8 (1977).
36. R.Konjević and N.Konjević,  
Laser wavelength dependence upon the concentration of the lasing dyes,  
*Fizika* 10, 121-32 (1978).
37. M.Platiša, M.S.Dimitrijević and N.Konjević,  
Stark broadening of NeII lines,  
*Astron.Astrophys.* 67, 103-5 (1978).
38. M.Dimitrijević and N.Konjević,  
On the temperature dependence of Gaunt factors,  
*J.Quant.Spectrosc.Radiat.Transfer* 20, 223-26 (1978).
39. M.Platiša, M.Popović and N.Konjević,  
Experimental Stark widths of CII UV lines,  
*J.Quant.Spectrosc.Radiat.Transfer* 20, 477-9 (1978).
40. N.Konjević and S.Jovičević,  
Spectrophone measurements of air pollutants absorption coefficients at CO<sub>2</sub> laser wavelengths,  
*Spec.Lett.* 12, 259-74 (1979).
41. M.Platiša, M.Popović, M.Dimitrijević and N.Konjević,  
Stark broadening of SIII and SIV lines,  
*J.Quant.Spectr.Radiat.Transfer* 22, 333-5 (1979).
42. D.E.Kelleher, N.Konjević and W.L.Wiese,  
Test for ion dynamics dependence of plasma red shifts in neutral hydrogen,  
*Phys.Rev.A* 20, 1195-6 (1979).
43. Z.Babarogić, N.Konjević and M.Trtica,  
Design and performance of a small CS<sub>2</sub>/O<sub>2</sub>/additive flame laser,  
*Rev.Sci.Instrum.* 51, 658-62 (1980).
44. M.Trtica and N.Konjević,  
Experimental study of CS<sub>2</sub>/O<sub>2</sub>/additive flame laser output spectra,  
*Phys.Lett.* 77A, 435-7 (1980).
45. M.Dimitrijević and N.Konjević,  
The importance of the pulse shape for the laser-beam-target interaction,  
*Optics and Laser Technology* 12, 145-7 (1980).
46. P.Vujković Cvijin and N.Konjević,  
Molecular air pollution monitoring by pulsed CO<sub>2</sub> laser-based long-path technique,  
*Spec.Lett.* 13, 861-71 (1980).
47. Z.Ikonić, N.Konjević and B.Lončarević,  
Atmospheric pressure pulsed discharge for dye laser pumping,  
*Fizika* 12, 265-73 (1980).
48. M.S.Dimitrijević and N.Konjević,  
Stark broadening of doubly and triply ionized atom lines,  
*J.Quant.Spectrosc.Radiat.Transfer* 24, 451-9 (1980).

49. M.S.Dimitrijević and N.Konjević,  
On the Stark broadening of ionized nitrogen lines,  
J.Quant.Spectr.Radiat.Transfer 25, 387-92 (1981).
50. M.Orlov and N.Konjević,  
Laser powered pyrolysis of gaseous trichloroethylene in oxygen,  
Spec.Lett. 14, 77-82 (1981).
51. M.S.Dimitrijević and N.Konjević,  
Semiempirical Stark linewidths of alkaly like ions,  
Astron.Astrophys. 102, 93-6 (1981).
52. S.Jovićević, S.Skenderi and N.Konjević,  
Spectrophone measurements of air pollutants absorption coefficients at CO<sub>2</sub> laser wavelengths II,  
Spec.Lett. 14, 415-22 (1981).
53. M.S.Dimitrijević and N.Konjević,  
Semiclssical calculations of electron impact Stark widths of S(III), Cl(III) and S(IV) isolated lines,  
J.Quant.Spectrosc.Radiat.Transfer 27, 203-5 (1982).
54. W.L.Wiese and N.Konjević,  
Regularities and similarities in plasma broadened spectral line widths,  
J.Quant.Spectrosc.Radiat.Transfer 28, 185-98 (1982).
55. M.S.Dimitrijević and N.Konjević,  
Stark broadening of isolated spectral lines of heavy elements in plasmas,  
J.Quant.Spectrosc.Radiat.Transfer 30, 45-54 (1983).
56. M.S.Dimitrijević and N.Konjević,  
On the dependence of Stark widths and shifts on the ionization potential,  
Z.Naturforsch. 39a, 553-5 (1984).
57. N.Konjević,  
Stark broadening of potassium lines,  
Phys.Rev.A 32, 673-6 (1985).
58. N.I.Uzelac and N.Konjević,  
Stark broadening of the HeI 4471-Å line and its forbidden component in dense cool plasma,  
Phys.Rev.A 33, 1349-55 (1986).
59. T.L.Pittman and N.Konjević,  
Stark broadening along homologous sequence of singly ionized noble gases,  
J.Quant.Spectrosc.Radiat.Transfer 35, 247-53 (1986).
60. N.Konjević and T.L.Pittman,  
Stark broadening of singly ionized neon lines,  
J.Quant.Spectrosc.Radiat.Transfer 35, 473-7 (1986).
61. T.L.Pittman and N.Konjević,  
Experimental study of Stark broadened NII lines from states of high orbital angular momentum,  
J.Quant.Spectrosc.Radiat.Transfer 36, 289-94 (1986).
62. M.S.Dimitrijević and N.Konjević,  
Simple formulae for estimating Stark widths of neutral atom lines,  
Astron.Astrophys. 163, 297-300 (1986).

63. N.Konjević and T.Pittman,  
Stark broadening of spectral lines of homologous, doubly-ionized inert gases,  
*J.Quant.Spectrosc.Radiat.Transfer* 37, 311-8 (1987).
64. M.S.Dimitrijević and N.Konjević,  
Simple estimates for Stark broadening of ion lines in stellar plasma,  
*Astron.Astrophys.* 172, 345-9 (1987).
65. S.Jovičević, N.Konjević, N.I.Chapliev, V.I.Konov and A.M.Prokhorov,  
On plasma surface coupling of 1.06  $\mu\text{m}$  laser radiation with copper targets,  
*Opt.Commun.* 61, 211-4 (1987).
66. Z.Ljuboje, N.Konjević, M.Popović and Lj.Ćirković,  
On plasma surface coupling of 10.6  $\mu\text{m}$  laser radiation with copper targets,  
*Opt.Commun.* 63, 248-52 (1987).
67. S.Djurović, R.Konjević, M.Platiša and N.Konjević,  
Stark broadening and shift of neutral bromine lines,  
*J.Phys.B: At.Mol.Opt.Phys.* 21, 739-48 (1988).
68. R.Kobilarov, M.V.Popović and N.Konjević,  
Plasma shift of the HeII  $P_{\alpha}$  line,  
*Phys.Rev.A* 37, 1021-4 (1988).
69. S.Manola, N.Konjević, J.Richou, J.L.Lebrune and A.Lesage,  
Stark broadening of singly ionized xenon line: Temperature variation,  
*Phys.Rev.A* 38, 5742-4 (1988).
70. S.Djurović and N.Konjević,  
Stark shift and broadening of FI and CII lines,  
*Z.Phys.D* 10, 425-30 (1988).
71. S.Djurović and N.Konjević,  
Stark broadening and shift of neutral iodine lines and regularities for analogous transitions  
of halogene atoms,  
*Z.Phys.D* 11, 113-8 (1989).
72. S.Jovičević, N.Konjević, N.I.Chapliev, V.I.Konov and S.M.Pimenov,  
CO<sub>2</sub> laser-induced plasma formation on a copper surface covered by dielectric particles,  
*Appl.Phys.A* 48, 283-7 (1989).
73. N.I.Uzelac and N.Konjević,  
Stark broadening and shift of KrI and KrII lines in dense plasma,  
*J.Phys.B: At.Mol.Opt.Phys.* 22, 2517-25 (1989).
74. R.Kobilarov, N.Konjević and M.V.Popović,  
Influence of ion dynamics on the width and shift of isolated HeI lines in plasmas,  
*Phys.Rev.A* 40, 3871-9 (1989).
75. R.Kobilarov and N.Konjević,  
Plasma shift and broadening of analogous transitions of SII, ClIII, ArIV, ClII and ArIII,  
*Phys.Rev.A* 41, 6023-31 (1990).

76. S.Djurović, N.Konjević and M.S.Dimitrijević,  
Stark broadening of halogen atom lines from (<sup>1</sup>D)np levels,  
*Z.Phys.D* 16, 255-60 (1990).
77. A.V.Kabashin, V.I.Konov, P.I.Nikitin, A.M.Prokhorov, N.Konjević and L.Vikor,  
Laser-plasma generation of currents along a conductive target,  
*J.Appl.Phys.* 68, 3140-6 (1990).
78. Sonja Jovičević, N.Konjević, I.Ursu, M.Ganciu-Petcu, I.N.Mihailescu, Viorica  
Stancalie, A.Luches, M.Martino and V.Nassisi,  
IR-laser light coupling to metal surfaces,  
*Infrared Phys.* 32, 177-89 (1991).
79. N.I.Uzelac, I.Stefanović and N.Konjević,  
Stark broadening of the HeI 4471 Å line and its forbidden component at high electron densities,  
*J.Quant.Spectrosc.Radiat.Transfer* 46, 447-53 (1991).
80. W.L. Wiese and N.Konjević  
Regularities in experimental Stark shifts,  
*J.Quant.Spectrosc.Radiat.Transfer* 47, 185-200 (1992).
81. M.Kuraica, N.Konjević, M.Platiša and D.Pantelić,  
Plasma diagnostics of the Grimm-type glow discharge,  
*Spectrochim.Acta* 47B, 1173-86 (1992).
82. M.Kuraica and N.Konjević,  
Line shapes of atomic hydrogen in a plane-cathode glow discharge,  
*Phys.Rev.A* 46, 4429-32 (1992).
83. N.I.Uzelac; S.Glenzer, N.Konjević, J.D.Hey and H.-J.Kunze,  
Plasma broadening of Ne II-Ne VI and F IV-F V spectral lines  
*Phys.Rev.E* 47, 3623-30 (1993).
84. Z.Mijatović, R.Kobilarov, B.T.Vujičić, D.Nikolić and N.Konjević,  
Simple method for deconvolution of a gaussian and plasma broadened spectral line profile  $j_{\lambda, \sigma}(x)$ ,  
*J.Quant.Spectrosc.Radiat.Transfer* 50, 329-35 (1993).
85. M.Kuraica and N.Konjević,  
On the atomic hydrogen line shapes in a plane-cathode obstructed glow discharge,  
*Physica Scripta* 50, 487-92 (1994).
86. B.Bлагоjević, M.V.Popović, N.Konjević and M.S.Dimitrijević,  
Stark broadening of triply ionized oxygen lines: The temperature dependence,  
*Phys.Rev.E* 50, 2986-90 (1994).
87. Z.Mijatović, N.Konjević, R.Kobilarov and S.Djurović,  
Search for ion dynamics effects on the shift and width of plasma-broadened C I and O I spectral lines,  
*Phys.Rev.E* 51, 613-8 (1995).
88. Z.Mijatović, N.Konjević, M.Ivković and R.Kobilarov,  
Influence of ion dynamics on the width and shift of isolated He I lines in plasmas. II  
*Phys.Rev.E* 51, 4891- 4896 (1995).

89. I.Stefanović, M.Ivković and N.Konjević,  
Experimental study of the influence of ion-dynamics to the shape of HeII  $P_\alpha$  and  $P_\beta$   
lines,  
Phys. Scripta 52, 178-83 (1995).
90. M.Ivković N.Konjević,  
Transition between glow and arc modes and its influences to the performance of a hollow-cathode  
discharge CO<sub>2</sub> laser,  
Jpn.J.Appl.Phys. 34, 5610-14 (1995)
91. B.Bлагоjević, M.V.Popović, N.Konjević and M.S.Dimitrijević  
Plasma broadening and shifting of spectral lines along the isoelectronic sequence of boron,  
Phys.Rev.E 54, 743-56 (1996).
92. I.R.Videnović, N.Konjević, M.M.Kuraica  
Spectroscopic investigations of a cathode fall region of the Grimm-type glow discharge,  
Spectrochim.Acta B 51, 1707-31 (1996).
93. M.M.Kuraica and N.Konjević  
Electric field measurement in the cathode fall region of a glow discharge in helium,  
Appl.Phys.Lett. 70, 1521-3 (1997).
94. S.Đurović, Z.Mijatović, R.Kobilarov and N.Konjević,  
Stark width and shift temperature dependence of the Ar I 425.9 nm line,  
J.Quant.Spectrosc.Radiat.Transfer 57, 695-701 (1997)
95. M.M.Kuraica, N.Konjević and I.R.Videnović,  
Spectroscopic Study of the Cathode Fall Region of Grimm-type Glow Discharge in Helium,  
Spectrochim.Acta B 52, 745-53 (1997).
96. R.Konjević and N.Konjević,  
On the use of non-hydrogenic spectral line profiles for electron  
density diagnostics of inductively coupled plasmas,  
Spectrochim.Acta B 52, 2077-84 (1997)
97. B.Bлагоjević, M.V.Popović and N.Konjević, and M.S.Dimitrijević,  
Stark broadening parameters of analogous spectral lines along  
the Lithium and beryllium isoelectronic sequences,  
J.Quant.Spectrosc.Radiat.Transfer 61, 361-375 (1999)
98. B.Bлагоjević, M.V.Popović and N.Konjević,  
Stark broadening of spectral lines of singly ionized C, N, O, F  
and Ne,  
Physica Scripta 59, 374-378 (1999)
99. B.Bлагоjević, M.V.Popović, N.Konjević and Z.Pavlović,  
Electron temperature measurements in medium electron density  
plasmas,  
J.Quant.Spectrosc.Radiat.Transfer 66, 571-579 (2000)
100. B.Bлагоjević, M.V.Popović and N.Konjević,  
Stark broadening of 3s-3p and 3p-3d transitions of doubly  
ionized C, N, O, F and Ne,  
J.Quant.Spectrosc.Radiat.Transfer 67, 9-20 (2000)

101. R.Konjević and N.Konjević,  
On the Stark broadening of the Ar VIII 115.47 and 116.19 nm lines,  
J.Quant.Spectrosc.Radiat.Transfer 67, 181-184 (2000)
102. S.Jovićević, M.Ivković, Z.Pavlović and N.Konjević,  
Parametric study of an atmospheric pressure microwave induced plasma  
of the mini MIP torch – I. Two-dimensional spatially resolved electron  
number density measurements,  
Spectrochim.Acta B 55, 1879-93 (2000)
103. V.I.Arhipenko, S.M.Zgurovskii, N.Konjevic, M.M.Kuraica and L.V.Simonchik,  
Diagnostics of the cathode-drop region of glow discharge at atmospheric pressure  
by the helium and hydrogen line profiles,  
J.Appl.Spectroscopy 67, 910-918 (2000)
104. D.Nikolić, Z.Mijatović, S.Djurović, R.Kobilarov and N.Konjević,  
Deconvolution of plasma broadened non-hydrogenic neutral atom lines,  
J.Quant.Spectrosc.Radiat.Transfer 70, 67-74 (2001)
105. B.Bлагоjević, M.V.Popović and N.Konjević,  
Experimental study of LS coupling along isoelectronic sequences,  
Phys.Scripta 64, 448-451 (2001)
106. S.Jovićević, M.Ivković and N.Konjević,  
Parametric study of an atmospheric pressure microwave induced plasma  
of the mini MIP torch – II. Two-dimensional spatially resolved excitation  
temperature measurements,  
Spectrochim.Acta B 56, 2419-2428 (2001)
107. D. Nikolić, S.Djurović, Z.Mijatović, R.Kobilarov and N.Konjević,  
Modeling of the spectral line shape of heavy neutral nonhydrogenic-like emitters,  
J.Appl.Spectroscopy 68, 902-910 (2001)
108. R.Zikić, M.A.Gigosos, M.Ivković, M.A.Gonzalez and N.Konjević,  
A program for the evaluation of electron number density from experimental  
Hydrogen Balmer beta line profiles,  
Spectrochim.Acta B 57, 987-998 (2002)
109. N.Konjević,  
Comment on ‘Stark broadening parameters predictions and regularities of singly  
ionized Lead,  
J.Phys.B: At.Mol.Opt.Phys. 36, 2139-2140 (2003)
110. M.R.Gemišić-Adamov, B.M.Obradović, M.M.Kuraica and N.Konjević,  
Doppler spectroscopy of hydrogen and deuterium Balmer alpha line in  
an abnormal glow discharge,  
IEEE Trans.Plasma Sci. 31, 444-454 (2003)
111. S.Jovićević, M.Ivković, N.Konjević, S.Popović and L.Vušковиć,  
Excessive Balmer line broadening in microwave induced discharges,  
J.Appl.Phys. 95, 24-29 (2004)
112. M.R.Gemišić-Adamov, M.M.Kuraica and N.Konjević,  
Intensity dependence of hydrogen Lyman alpha and Balmer alpha lines  
upon cathode material of an abnormal glow discharge,



- Eur,Phys.J.D 28, 393-398 (2004)
113. N.Cvetanović, M.M.Kuraica and N.Konjević,  
Excessive Balmer line broadening in a plane cathode abnormal  
glow discharge in hydrogen,  
J.Appl.Phys. 97, 033302-8 (2005)
  114. N.M.Šišović, G.Lj. Majstorović and N.Konjević,  
Excessive hydrogen and deuterium Balmer lines broadening in a hollow cathode glow  
Discharges,  
Eur,Phys.J.D 32, 347-354 (2005)
  115. M.Ivković, N.Ben Nessib and N.Konjević,  
Stark broadening of  $3s^3P^0$ - $3p^3D$  and  $3p^3D$ - $3d^3F^0$  transitions along carbon  
isoelectronic sequences of ions revisited,  
J.Phys.B: At.Mol.Opt.Phys. 38, 715-728 (2005)
  116. S.Jovičević, M.Ivković, R.Žikić and N.Konjević,  
On the Stark broadening of Ne I lines and quasi-static versus impact approximation,  
J.Phys.B: At.Mol.Opt.Phys. 38, 1249-1259 (2005)
  117. N.Konjević, G.Lj.Majstorović and N.M.Šišović,  
Excessive broadening of hydrogen Balmer lines for discharge-surface  
interaction monitoring,  
Appl.Phys.Lett. 86, 251502 (2005) three pages
  118. M. Ivkovic, R.Žikić, S.Jovičević and N.Konjević,  
On simultaneous determination of electron impact width, ion-broadening and ion-dynamic parameter  
from the shape of plasma broadened non-hydrogenic atom line,  
J.Phys.B: At.Mol.Opt.Phys. 39, 1773-1785 (2006)
  119. M.A.Gigosos, M.A.Gonzalez and N.Konjević,  
On the Stark broadening of  $Sr^+$  and  $Ba^+$  resonance lines in ultracold neutral plasmas.  
Eur,Phys.J.D 40, 57-63 (2006)
  120. N.M.Šišović, G.Lj. Majstorović and N.Konjević,  
Excessive Doppler broadening of the  $H\alpha$  line in a hollow cathode  
glow discharge: Radial distribution, influence of surface coverage and temperature effect  
Eur,Phys.J.D 41, 143-150 (2007)
  121. G.Lj. Majstorović, N.M.Šišović and N.Konjević,  
Spectroscopic study of high energy excited deuterium atoms in a hollow  
cathode glow discharge,  
Phys.Plasmas 14, 043504 (2007)
  122. G.Lj. Majstorović, N.M.Šišović and N.Konjević,  
Rotational and vibrational temperatures of molecular hydrogen in a  
hollow cathode glow discharge,  
Plasma Sources Sci.Technol. 16, 750-756 (2007)
  123. N,M.Šišović and N.Konjević,  
Doppler spectroscopy of hydrogen Balmer lines in a hollow cathode  
glow discharge in ammonia and argon-ammonia mixture,  
Phys.Plasmas 15, 113501 (7pp) (2008)

124. J.Jovović, N.M.Šišović and N.Konjević  
Doppler spectroscopy of hydrogen Balmer lines in a hollow cathode water vapour and argon-water vapour glow discharge,  
J.Phys.D: Appl.Phys. 41, 235202 (8pp) (2008)
125. S. Jovičević, N. Sakan, M. Ivković, and N. Konjević,  
Spectroscopic study of hydrogen Balmer lines in a microwave-induced discharge,  
J.Appl.Phys. 105, 013306 (6pp) (2009)
126. S.Djurović and N. Konjević,  
On the use of non-hydrogenic spectral lines for low electron density and high pressure plasma diagnostics,  
Plasma Sources Sci. Technol. 18, 035011 (8pp) (2009)
127. V.Steflekova, N,M.Šišović and N.Konjević,  
Influence of thin porous Al<sub>2</sub>O<sub>3</sub> layer on aluminum cathode to the H<sub>α</sub> line shape in glow discharge,  
J.Appl.Phys. 105, 116106 (3pp) (2009)
128. N,M.Šišović and N.Konjević,  
Doppler spectroscopy of hydrogen Balmer lines in a hollow cathode glow discharge in argon–methane and argon–acetylene mixture,  
Chem. Phys. 361, 180–184 (2009)
129. N. Konjević, S. Jovičević and M. Ivković,  
Optical emission spectroscopy for simultaneous measurement of plasma electron density and temperature in a low-pressure microwave induced plasma,  
Phys.Plasmas 16, 103501-6 (2009)
130. M. Ivković, M.A. Gonzalez, S. Jovičević, M.A. Gigosos, N. Konjević.  
A simple line shape technique for electron number density diagnostics of helium and helium-seeded plasmas,  
Spectrochim. Acta Part B 65, 234–240 (2010)
131. N. Konjević,  
Criticism of the paper “Selective atomic hydrogen heating in plasmas: Implications for quantum theory” by JonathanPhillips, Int J Hydrogen Energy 34 (2009) 9816–9823  
Int.J.Hydrogen Energy 35, 5763 (2010), Letter to the Editor, one page
132. Dj.. Spasojević, M.. Cvejić, N. M. Šišović and N. Konjević,  
Simultaneous plasma and electric field diagnostics of microdischarge from hydrogen Balmer line shape,  
Appl.Phys.Lett. 96, 241501-3 (2010)
133. J.Jovović, N. M. Šišović and N. Konjević,  
Spectroscopic study of an electrode microwave discharge in argon and argonehydrogen mixtures,  
Vacuum 85, 187-192 (2010)
134. S. Stojadinović, J. Jovović, M. Petković, R. Vasilić, N. Konjević,  
Spectroscopic and real-time imaging investigation of tantalum plasma electrolytic oxidation (PEO),

135. M. Cvejić, Dj. Spasojević, N. M. Šišović and N. Konjević,  
A contribution to spectroscopic diagnostics and cathode sheath modeling  
of micro-hollow gas discharge in argon,  
J. Appl.Phys.110, 033305 (2011)
136. J. Jovović, S. Stojadinović, N.M. Šišović and N. Konjević,  
Spectroscopic characterization of plasma during electrolytic oxidation  
(PEO) of aluminium,  
Surface & Coatings Technology 206, 24–28 (2011)
137. Dj. Spasojević, V. Stefleková, N. M. Šišović and N. Konjević,  
Electric field distribution in the cathode-fall region of an abnormal glow discharge  
in hydrogen: experiment and theory.  
Plasma Sources Sci. Technol. **21** 025006 (8pp) (2012)
138. Dj. Spasojević, M. Cvejić, N. M. Šišović and N. Konjević,  
Spectroscopic diagnostics of microhollow gas discharge in hydrogen.  
J. Appl.Phys. 111, 096103 (2012)
139. J. Jovović, I. L. Epstein, N. Konjević, Yu A. Lebedev, N. M. Šišović, A. V. Tatarinov,  
The influence of small hydrogen admixtures up to 5 % to a low pressure nonuniform  
microwave discharge in Nitrogen,  
Plasma Chem Plasma Processing **32**:1093–1108 (2012)
140. J. Jovović, S. Stojadinović, N. M. Šišović, N. Konjević,  
Spectroscopic study of plasma during electrolytic oxidation of magnesium- and  
aluminium-alloy,  
J.Quant.Spectrosc.Radiat. Transfer **113**, 1928 – 1937 (2012)
141. M. Cvejić, M.R. Gavrilović, S. Jovičević, N. Konjević,  
Stark broadening of Mg I and Mg II spectral lines and Debye shielding effect in laser  
induced plasma,  
Spectrochim. Acta Part B 85, 20 - 33 (2013)
142. G Lj Majstorović, N V Ivanović, N M Šišović, S Djurović and N Konjević,  
Ar I and Ne I spectral line shapes for an abnormal glow discharge diagnostics,  
Plasma Sources Sci. Technol. 22, 045015 (10pp) (2013)
143. M. Ivković, M.A. Gonzalez, N. Lara, M.A. Gigoso, N. Konjević,  
Stark broadening of the He I 492.2 nm line with forbidden components,  
in dense low temperature plasma,  
J.Quant.Spectrosc.Radiat. Transfer 127, 82–89 (2013)
144. M. Cirisan, M. Cvejić, M.R. Gavrilović, S. Jovičević, N. Konjević and J. Hermann,  
Stark broadening measurement of Al II lines in a laser induced plasma,  
J.Quant.Spectrosc.Radiat. Transfer 133, 652-662 (2014).
145. Dj. Spasojević, V. Stefleková, N. M. Šišović and N. Konjević.  
Spectroscopic application of an iterative kinetic model of cathode fall region in  
hydrogen abnormal glow discharge,  
Plasma Sources Sci. Technol. 23, 12004 (5pp) (2014)
146. J. Jovović and N. Konjević,

- Spectroscopic and electric characterization of an atmospheric pressure segmented gas discharge with micro hollow electrodes,  
*Eur.Phys.J.D* 68, 60-68 (2014)
147. V. Shapoval, E. Marotta, C. Ceretta, N. Konjević, M. Ivković, M. Schiorlin and C. Paradisi,  
Development and testing of a self-triggered spark reactor for plasma driven dry reforming of methane,  
*Plasma Processes Polym.*, 11, 787 - 797 (2014).
148. M. Cvejić, E. Stambulchik, M.R. Gavrilović, S. Jovićević, N. Konjević,  
Neutral lithium spectral line 460.28 nm with forbidden component for low temperature plasma diagnostics of laser-induced plasma.  
*Spectrochim. Acta Part B* 100, 86 - 97 (2014).
149. N. M. Šišović, N. V. Ivanović, G. Lj. Majstorović and N. Konjević,  
Ne I spectral line shapes in Grimm-type glow discharge,  
*J. Anal. At. Spectrom.*, 29, 2058–2063 (2014).
150. A. V. Tatarinov, M. Cvejić, I. L. Epstein, S. Jovićević, N. Konjević and Y. A. Lebedev,  
The Beenakker's Cavity for Uniform Column of Nonequilibrium Argon Plasma Generation: Experiment and 3-D Modeling,  
*IEEE Transactions on Plasma Science* 42, 2836–2837 (2014)
151. I. L. Epstein, M. Gavrilović, S. Jovićević, N. Konjević, Y. A. Lebedev and A. V. Tatarinov,  
The study of a homogeneous column of argon plasma at a pressure of 0.5 torr, generated by means of the Beenakker's cavity,  
*Eur. Phys. J. D* 68: 334-342 (2014).
152. M. Ivković, N. Konjević and Z. Pavlović,  
Hydrogen Balmer beta: The separation between line peaks for plasma electron density diagnostics and self-absorption test,  
*J.Quant.Spectrosc.Radiat.Transfer* 154, 1-8 (2015)
153. M. Ivković, T.Gajo, I.Savić, N.Konjević,  
The discharge for plasma Stark shift measurement and results for He I 706.522 nm line,  
*J.Quant.Spectrosc.Radiat.Transfer* 161, 197-202 (2015)
154. T. Gajo, M. Ivković, N. Konjević, I. Savić, S. Djurović, Z. Mijatović and R. Kobilarov,  
Stark shift of neutral helium lines in low temperature dense plasma and the influence of Debye shielding,  
*Monthly Notices Royal Astronomical Society* **455**, 2969–2979 (2016)
155. Dj. Spasojević, S. Mijin, N. M. Šišović, and N. Konjević,  
Spectroscopic application of an iterative kinetic cathode sheath model to high voltage hollow cathode glow discharge in hydrogen,  
*J.Appl.Phys.* 119, 053301 (2016)
156. N. V. Ivanović, N. M. Šišović, Dj. Spasojević and N. Konjević,  
Measurement of the DC Stark shift for visible Ne I lines and electric field distribution in the Cathode sheath of an abnormal glow discharge,  
*J.Phys.D: Appl.Phys.* 50, 125201 (2017)

157. B. Blagojević, N. Konjević,  
Semiclassical calculations of electron impact widths and shifts of singly ionized atom lines revisited,  
J.Quant.Spectrosc.Radiat.Transfer 198, 9-24 (2017)
158. Milica.M. Vasiljević, Djordje Spasojević, Nikola.M. Šišović and Nikola Konjević,  
Stark effect of Ar I lines for electric field strength diagnostics in the cathode sheath of glow discharge,  
EPL (Europhysics.Leters) 119, 55001 (2017)
- 159.

#### **H. RADOVI U NACIONALNIM ČASOPISIMA PAPERS IN NATIONAL JOURNALS**

1. R.Konjević and N.Konjević,  
Stark broadening and shift of neutral copper lines,  
Fizika 18, 327-35 (1986).
2. S.Mijović, D.Pantelić, N.Konjević and M.Popović,  
Width measurements of the plasma broadened HeII Balmer-beta line,  
Fizika 21, 319-24 (1989).
3. N.Konjević, M.M.Kuraica and .R.Videnović,  
Spectroscopic studies of an analytical glow discharge,  
Scientific Review (Serbian Scientific Society) 24, 15-30 (1997).
4. D.Nikolić, S.Đurović, Z.Mijatović, R.Kobilarov and N.Konjević,  
Determination of ion broadening parameter for Ar I 425.9 nm  
Spectral line,  
J.Res.Phys. 27, 133-140 (1998).
5. Н.Коњевић,  
Облик и померај спектралних линија у плазми и електричним пражњењима,  
Глас СССРСХVII Одељења природноматематичких наука, САНУ,  
књига 59, 55 (2004).
6. N.Konjević,  
Broadening and shifting of spectral lines in gas plasmas and electric discharges,  
Bulletin T.CXXXV de l'Academie serbe des sciences et des arts, Class des sciences  
mathematiques et naturelles, Sciences naturelles No.44, 115-138 (2008).
7. S. Mar, J. A. Aparicio, A. Calisti, M. Ćirišan, M. I. de la Rosa, J. A. del Val,  
S. Djurović, L. M. Fuentes, M. A. Gigosos, M. Á. González, A. B. Gonzalo,  
K. Grützmacher, M. Ivković, N. Konjević, R. J. Peláez, C. Pérez and B. Talin,  
Research areas of the Plasma Spectroscopy Group at the University of Valladolid,  
Opt. Pura Apl. 44, 433-445 (2011).

**I. SAOPŠTENJA NA SKUPU MEĐUNARODNOG ZNAČAJA ŠTAMPANA KAO RAD FULL LENGTH PAPERS PRESENTED AND PUBLISHED AT THE INTERNATIONAL CONFERENCES**

1. M.S.Dimitrijević and N.Konjević,  
Modified semiempirical formula for the electron-impact width of ionized atom line,  
Fifth ICSLS Berlin (west) July 7 – 11 (1980 in Spectral Line Shapes, Editor: B.Wende,  
Walter de Gruyter, Berlin (1981) pp.211-39.
2. N. Konjević and M.S.Dimitrijević,  
On the systematic trends of Stark broadening parameters of isolated lines in plasmas,  
Fifth ICSLS Berlin (west) July 7 – 11 1980 in Spectral Line Shapes, Editor: B.Wende,  
Walter de Gruyter, Berlin (1981) pp. 241-247.
3. N.Konjević and M.S.Dimitrijević,  
On the Stark broadening of non-hydrogenic lines of heavy elements,  
6th ICSLS, Boulder, Colorado, 12-16 July 1982 in Spectral Line Shapes Vol.II, Editor:  
K.Burnett, Walter de Gruyter, Berlin (1983) pp.137-46.
4. N.Konjević and M.S.Dimitrijević,  
Simple estimates for plasma broadening and shift of non-hydrogenic ion lines,  
in Short Wavelength Lasers and their Applications, Proceedings of International Symposium,  
Samarkand, USSR, May 14-18, 1990, Editors: V.V.Korobkin and M. Yu. Romanovsky,  
Nova Science Publishers, Inc., New York (1992) pp.355-62.

**J. RADOVI SAOPŠTENI NA SKUPU MEĐUNARODNOG ZNAČAJA PAPERS PRESENTED AT THE INTERNATIONAL CONFERENCES**

1. V.Vukanović and N.Konjević,  
Verweilzeiten und geschwindigkeiten der teilshen im bogenplasma,  
Proc.7th Int. Conf. on Phenomena in Ionized Gases, Beograd, 22-27 August 1965,  
Editors: B.Perović and D.Tošić, Građevinska Knjiga Publ.House, Beograd (1966)  
pp.759-762.
2. V.Vukanović, V.Georgijević, N.Konjević und D.Vukanović,  
Lichtbogen im magnetfeld als spectrochemische anregungsquelle,  
XII Colloquium Spectroscopicum Internationale, 11-17 July 1965, Exeter (1965)  
pp.193-198.
3. N.Konjević, J.Labat, Lj.Ćirković and J.Purić,  
Measurement of the Stark broadening of several AII lines,  
9th Int.Conf.Phen.Ioniz.Gases, September 1-6, Contributed papers, Editors: G.Musa, I.Ghica,  
A.Popescu and L.Nastase, Institute of Physics Academy of Soc. Rep. Romania, Bucharest (1969) p. 593.
4. N.Konjević, P.Grujić, Lj.Ćirković and J.Labat,  
A study of the Stark broadening of isolated ion lines in plasmas,  
V Yugoslav Symposium and Summer School on the Physics of Ionized Gases, July 6-16, Herceg Novi 1970,  
published in Fizika, Supplement 2, (1970 pp. 81-82.
5. N.Konjević and M.Platiša,  
Measurements of the Stark broadening parameters of several CII lines,  
ibid. pp. 83-84.

6. N.Konjević and M.Platiša,  
On the application of Griem's semiempirical formula for the computation of Stark widths of isolated ion lines in plasmas,  
Third Conf. on Atomic Spectroscopy, July 6-9, Summaries of Contrib., J.J.Thomson Phys. Lab., Reading (1971) pp.191-193.
7. N Konjević, M.Platiša and J.Purić,  
Stark broadening of CIII lines,  
10th Int.Conf.Phen.Ion.Gases, September 13-18, Contributed papers, Editor: P.A Davenport, Donald Parsons & Co Ltd, Oxford (1971) p.382.
8. R.Konjević, M.Popović and N.Konjević,  
Experimental study of coaxial flashlamp for liquid dye lasers,  
Sixth Yugoslav Symposium on Physics of Ionized Gases, Miljevac by Split, Contributed papers, Institute of Physics, Beograd (1972) pp.169-172.
9. N.Konjević,  
On the electron-impact broadening of isolated spectral lines of heavy elements in plasma,  
ibid. pp.217-220.
10. D.Hadžiomerspahić, N.Konjević, M.Platiša and M.Popović,  
Stark broadening and shift of calcium ion lines,  
ibid. pp. 221-224.
11. V.Oklobdžija and N.Konjević,  
Spectroscopy of axisymmetric plasma sources,  
11th Int.Conf.Phen.Ion.Gases, September 10-14, Contributed papers, Editors: I.Stoll et al., Czechoslovak Academy of Sciences, Institute of Physics, Prag (1973) p.449.
12. M.Platiša, M.Popović, M.Dimitrijević and N.Konjević,  
Stark broadening of AIII and AIV lines,  
7th Yugoslav Symposium on Physics of Ionized Gases, Rovinj 16-21 September 1974,  
Editor: V.Vujnović, Institute of Physics of the University, Zagreb (1974) pp.245-248.
13. M.Dimitrijević, P.Grujić and N.Konjević,  
On the Stark broadening theory of singly ionized atoms,  
ibid. pp.249-252.
14. M.Platiša, M.Popović and N.Konjević,  
Stark broadening of OII and OIII lines,  
Proc.12th Int.Conf.Phen.Ion.Gases, Eindhoven, August 18-22, Editors:J.G.A.Holscher and D.C.Schram, North-Holland, Amsterdam (1975) p.369.
15. S.Popović and N.Konjević,  
On the resonance line shape measurements in axially symmetric plasma source,  
ibid. p.381.
16. M.Platiša, M.Dimitrijević, M.V.Popović, N.Konjević and V.Glavonić,  
Stark broadening of FII lines,  
VIII International Summer School and Symposium on the Physics of Ionized Gases,  
Dubrovnik Aug.27-Sep.3, Contributions, Editor: B.Navinšek, J.Stefan Institute, Ljubljana (1976) pp.409-411.
17. W.L.Wiese and N.Konjević,

- Regularities in the Stark widths of isolated lines,  
ibid. p.416-419.
18. M.Platiša, M.Dimitrijević, M.V.Popović and N.Konjević,  
Stark broadening of doubly ionized chlorine lines,  
3rd Int.Conf.Spectral Line Shapes, 13-17 September, London (1976) p.75.
  19. W.L.Wiese and N.Konjević,  
Regularities in the Stark widths of isolated lines,  
ibid. p.17.
  20. M.Platiša and N.Konjević,  
Stark broadening of NeII lines,  
Proc. XIIIth Int.Conf.Phen.Ion.Gases, September 12-17, Contributed papers,  
Physical Society of the GDR, Berlin (1977) pp.121-122.
  21. W.L.Wiese and N.Konjević,  
Regularities in plasma-broadened line widths,  
IX Summer School and Symposium on the Physics of Ionized Gases, Dubrovnik  
Aug.28-Sep.2, Contributed papers, Edited by R.K.Janev, Institute of Physics,  
Beograd (1978) pp.257-260.
  22. M.Platiša, M.V.Popović, M.Dimitrijević and N.Konjević,  
Stark broadening of SIII and SIV lines,  
ibid. pp.245-248.
  23. Z.Lj.Petrović and N.Konjević,  
 $C^{13}$  isotope enrichment caused by resonance trapping in a recombining plasma,  
ibid. pp.277-280.
  24. D.E.Kelleher, P.Voigt, W.L.Wiese and N.Konjević,  
Red shift of neutral and ionic hydrogen lines,  
4th International Conference on Spectral Line Shapes, Windsor, July 31-August 4,  
University of Windsor (1978) p.74.
  25. M.Dimitrijević and N.Konjević,  
On the approximative semiclassical formula for the electron-impact width of multiply  
ionized atom lines in plasmas,  
Proc.XIVth Int.Conf.Phen.Ion.Gases, Grenoble 9-13 Juillet (1979) published in  
J.de Physique 40, C7-815-816 (1979).
  26. M.Dimitrijević and N.Konjević,  
Semiempirical Stark widths of alkaly like ions,  
X Summer School and Symposium on Physics of Ionized Gases, Dubrovnik  
Aug.25-29, Contributed papers. Editor: B.Čobić, Boris Kidrič Institute,  
Beograd (1980) pp.204-205.
  27. M.S.Dimitrijević and N.Konjević,  
Stark broadening of NII, NIII and NIV lines,  
Vth Europhysics Sectional Conference on the Atomic and Molecular Physics of  
Ionized Gases, (ESCAMPIG), Dubrovnik September 1-3, Abstracts of Invited talks  
and contributed papers, Edited by R.K. Janev, Europhysics Conference Abstracts (1980) p.88.
  28. M.S.Dimitrijević, D.P.Grubor and N.Konjević,  
Electron impact broadening of multiply charged ion lines,



2 Colloque sur l'influence des processus collisionnels sur le profil des raies spectrales, Orleans (1981) p.9/4.

29. M.S.Dimitrijević and N.Konjević,  
On the Stark broadening of heavy non-hydrogenic neutral atom lines in plasmas,  
International Conference on Plasma Physics, Goteborg, June 9-15, Proc.contributed  
papers, Editors: H.Wilhelmsson and J.Weiland, Chalmers University of Technology,  
Goteborg (1982) p.343.
30. N.Konjević and M.S.Dimitrijević,  
On the Stark broadening of non-hydrogenic spectral lines of heavy elements in  
plasmas,, 6th International Conference on Spectral Line Shapes, Boulder, Colorado,  
July 11-16, (1982) p.23.
31. R.Kobilarov and N.Konjević,  
Stark line widths within ArII 4p-4d (doublets) supermultiplet,  
ibid. pp.3-4.
32. R.Konjević, N.Konjević and M.Platiša,  
Spectroscopic study of the positive column in argon-iodine discharge,  
XI Symposium on the Physics of Ionized Gases, Dubrovnik, Aug.23-Aug.27, Contributed papers, Institute of  
Physics of the University, Zagreb (1982) pp.233-236.
33. N.Konjević and R.Kobilarov,  
On the influence of Debye shielding on electron impact widths within Stark broadened multiplet,  
ibid. pp.285-288.
34. R.Konjević, M.Platiša and N.Konjević,  
Stark broadening of BrI lines,  
7th International Conference on Spectral Line Shapes, Aussois, June 11-15 (1984) published in Spectral Line  
Shapes, Vol.3, Editor: F.Rostas, Walter de Gruyter, Berlin (1985) pp.57-58.
35. T.Pittman and N.Konjević,  
Width and shift measurements of spectral lines of HeI in a proton gas,  
ibid. pp.71-72.
36. N.Konjević and T.Pittman,  
Electron impact broadening of spectral lines of singly ionized noble gases,  
multiplets np P -nd D,  
ibid. pp.51-52.
37. R.Konjević, M.Platiša and N.Konjević,  
Stark broadening of BrI red lines,  
XII Summer School and International Symposium on Physics of Ionized Gases, Šibenik, September 3-7,  
Contributed papers. Ed: M.Popović, Institute of Physics, Beograd (1984) pp. 446-449.
38. N.Konjević and T.Pittman,  
Electron impact broadening of spectral lines of doubly ionized noble gases,  
multiplets ns S -np P,  
ibid. pp.450-452.
39. R.Kobilarov, S.Manola, N.Konjević and M.V.Popović,  
Dense, reproducible Z-pinch suitable for Stark broadening studies of spectral lines of multiply ionized atoms,  
ibid. pp.515-518.

40. N.Konjević and T.Pittman,  
Stark broadening of NII lines from states of high orbital angular momentum,  
XVII Int.Conf.Phen.Ion.Gases, 8-12 July, Contributed papers, Edited by J.S.Bacos & Z.Sorlei, Budapest (1985)  
pp.1010-1011.
41. M.S.Dimitrijević and N.Konjević,  
A simple formula for estimating Stark broadening parameters of neutral atom lines,  
Collision et Rayonnement, Orleans (1985) p.21 published in Annales de Physique, Colloque no.3, supplement au  
no 3, vol.11, Juin (1986) pp.179-180.
42. R.Konjević, M.Platiša and N.Konjević,  
Spectroscopic investigations of the positive column of argon and argon-iodine discharge,  
Eight European Sectional Conference on the Atomic and Molecular Physics of Ionized Gases, (ESCAMPIG),  
August 26-29, Conf. abstracts, Greifswald, GDR (1986) pp.167-168.
43. R.Konjević and N.Konjević,  
Stark broadening of neutral mercury and thallium lines,  
SPIG 86, The Physics of Ionized Gases, Šibenik, September 1-5, Contributed papers, Edited by M.V.Kurepa,  
Department of Physics and Meteorology, University of Beograd, Beograd (1986) pp.309-12.
44. M.S.Dimitrijević and N.Konjević,  
Ion line Stark broadening in stellar plasmas,  
ibid. pp.313-316.
45. S.Đurović and N.Konjević,  
Experimental study of the Stark broadening of CII lines,  
ibid. pp.333-336.
46. M.S.Dimitrijević, N.Konjević and V.Kršljanin,  
Modified semiempirical estimates of ion Stark broadening I. Theory,  
Proc.Eight Int.Conf. Williamsburg, Virginia, 9-13 June 1986,published in Spectral Line Shapes Vol.4, Editor:  
R.J.Exton, A.Deepak Publ., Hampton, Virginia (1987) pp.63-64.
47. M.S.Dimitrijević, N.Konjević and V.Kršljanin,  
Modified semiempirical estimates of ion Stark broadening II. Application,  
ibid. pp.65-66.
48. S.Jovićević, N.Konjević, N.I.Chapliev, V.I.Konov and S.M.Pimenov,  
Morphology of copper surface covered by dielectric particules after plasma forming by CO<sub>2</sub> laser,  
14. Summer School & International Symposium on the Physics of Ionized Gases, August 15-19, Contributed  
Papers, Editors: N.Konjević, L.Tanović and N.Tanović, Electrical Engineering Faculty, University of Sarajevo,  
Sarajevo (1988) pp. 204-207.
49. S.Jovićević, N.Konjević, N.I.Chapliev, A.A.Gorbunov, V.I.Konov and S.M.Pimenov,  
UV excimer laser plasma formation of the copper surface covered by thin alkali halide  
film,  
ibid. pp.208-211.
50. S.Đurović and N.Konjević,  
Stark broadening along homologous sequences of halogen atoms,  
ibid. pp. 293-296.
51. R.Kobilarov, N.Konjević and M.V.Popović,  
Stark broadening and shift of allowed transitions of HeI in a proton gas,  
ibid. pp.341-344.

52. N.I.Uzelac and N.Konjević,  
KrI and KrII line shapes and shifts in a dense plasmas,  
ibid. pp.353-356.
53. S.Đurović and N.Konjević,  
Experimental study of the Stark broadening of neutral iodine lines,  
9th International Conference on Spectral Line Shapes, July 25-29, Nicholas Copernicus University Press, Torun  
(1988) p.A17/3.
54. S.Jovićević, N.Konjević, N.I.Chapliev, V.I.Konov and S.M.Pimenov,  
TEA CO<sub>2</sub> laser induced plasma formation on copper surface covered by dielectric particles,  
Ninth European Sectional Conference on the Atomic and Molecular Physics of Ionized Gases, (ESCAMPIG),  
August 30- September 2, Lisbon, Abstracts of invited talks and contrib. papers, Editor:C.M.Fereira, European  
Physical Society (1988) pp..289-290.
55. N.I.Uzelac, R.Kobilarov and N.Konjević,  
Broadening and shift of neutral helium lines in pulsed arc plasma,  
XIX Int.Conf.Phen.Ioniz.Gases, Belgrade 10th-14th July, Contributed papers. Editor: J.Labat, Faculty of Physics,  
University of Belgrade, Belgrade (1989) pp.346-347.
56. A.V.Kabashin, N.Konjević, V.I.Konov, P.I.Nikitin, A.M.Prokhorov and L.Vikor,  
Generation of electric current under the laser assisted production of asymmetric plasma grating on metallic target,  
ibid. pp.496-497.
57. M.Kuraica, N.Konjević and M.Platiša,  
Plasma diagnostic of Grimm-type glow discharge,  
Tenth European Sectional Conference on the Atomic and Molecular Physics of Ionized Gases (ESCAMPIG),  
Orleans, Aug.28-Aug. 31, Abstracts of invited talks and contributed papers, Editor: B.Dubreuil, European  
Physical Society (1990) pp.237-238.
58. W.L.Wiese and N.Konjević,  
A new critical review of experimental Stark widths and shifts,  
10th International Conference on Spectral Line Shapes, Austin, TX, June 25-29 1990, published in American  
Institute of Physics Conference Proceedings 216, Spectral Line Shapes Vol.6, Editors: L.F.Fromhold and  
J.W.Keto, AIP, New York (1990) pp.63-64.
59. S.Đurović, N.Konjević and M.S.Dimitrijević,  
Plasma broadening of BrI and II lines from (<sup>1</sup>D<sub>2</sub>)np levels,  
ibid. pp.65-66.
60. R.Spanke, I.N Stefanović, N.I.Uzelac and N.Konjević,  
HgII 6149 A line for electron density diagnostics of high current mercury discharge,  
XV Summer School and International Symposium on the Physics of Ionized Gases, September 3-7, Dubrovnik  
1990, Contributed papers, Edited by D.Ve/a, Institute of Physics of the University, Zagreb (1990) pp.193-194.
61. N.I.Uzelac, I.Stefanović and N.Konjević,  
Behaviour of allowed (2<sup>3</sup>P-4<sup>3</sup>D) and forbidden (2<sup>3</sup>P-4<sup>3</sup>F) components of the HeI 4472 A line at high electron  
densities,  
ibid. pp.191-192.
62. M.Kuraica, N.Konjević, M.Platiša and D.Pantelić,  
Electron densities in the plasma of a plane cathode glow discharge,  
ibid. pp.245-246.

63. A.V.Kabashin, V.I.Konov, P.I.Nikitin, A.M.Prokhorov, N.Konjević and L.Vikor,  
Use of spatially modulated laser radiation for plasma generation of currents along metallic target,  
ibid. pp.277-278.
64. Lj.Vikor, N.Konjević, S.A.Uglov, V.I.Konov and P.I.Nikitin,  
Thin film deposition by gas phase pyrolysis of  $\text{Fe}(\text{CO})_5$  and  $\text{SiH}_4$ ,  
ibid. pp.296-297.
65. N.Konjević,  
On the importance of ion-dynamics for the Stark broadening electron density diagnostics of helium plasma,  
XX Int.Conf.Phen.Ioniz.Gases, Pisa 8-12 July, Contributed papers, Editors: V.Palleschi and M.Vaselli, Institute  
of atomic and molecular physics-CNR, Pisa, Italy (1991)p.1435-1436.
66. N.I.Uzelac, I.Stefanović and N.Konjević,  
HeI 4471-Å line and its forbidden component 4470- Å at high electron densities,  
ibid. pp.1455-1456.
67. I.Videnović, M.Kuraica, A.Brablec and N.Konjević,  
Gas temperature in a microwave boosted plane cathode glow discharge,  
Eleventh European Sectional Conference on the Atomic and Molecular Physics of Ionized Gases, ESCAMPIG  
92, St.Petersburg, August 25-28, 1992, Contributed papers, Ed. L.Tsendin, published by EPS (1992) pp.380-381.
68. M.Ivković and N.Konjević,  
Hollow cathode glow discharge for  $\text{CO}_2$  lasers,  
XXI.International Conference on Phenomena in Ionized Gases, Ruhr-Universitat Bochum, September 19-24,  
1993, Contributed papers, Eds. G.Ecker, U.Arendt and J.Boseler, publisher  
Arbeitsfemeinschaft Plasmaphysik, Ruhr-Universitat Bochum, (1993) pp. 96-97.
69. M.Kuraica and N.Konjević,  
On the transfer reaction  $\text{Ar} + \text{H}_2$  in the plasma of a plane cathode abnormal glow discharge,  
ibid. pp.331-332.
70. Đ.Spasojević, M.Kuraica and N.Konjević,  
Model for the hydrogen line shapes in a plane cathode abnormal glow discharge,  
12th European Sectional Conference on the Atomic and Molecular Physics in Ionized Gases, ESCAMPIG 94,  
Noordwijkerhout, The Netherlands, August 23-26, 1994, Abstract of invited lectures and contributed papers,  
Ed.M.C.M. van de Sanden, European Physical Society, Vol.18E, (1994) pp.440-441.
71. M.Kuraica and N.Konjević,  
Influence of the cathode material to the shape of hydrogen lines in a plane cathode obstructed glow discharge,  
ibid. pp. 442-443.
72. I.Stefanović, M.Ivković and N.Konjević,  
Experimental study of He II  $P_\alpha$  line shape,  
17th Summer School and International Symposium on the Physics of Ionized Gases, 17 SPIG, August 29th -  
September 1st, Belgrade 1994, Contributed papers, Eds.: B.Marinković and Z.Petrović, Institute of Physics,  
Belgrade (1994) pp.169-172.
73. Z.Mijatović, N.Konjević, R.Kobilarov and M.Ivković,  
Influence of ion-dynamics on the width and shift of the He I lines,  
ibid. pp.173-176.
74. Z.Mijatović, N.Konjević, R.Kobilarov and S.Đurović,  
Influence of ion-dynamics on the line shapes of C I spectral lines in plasma,  
ibid. pp.177-180.

75. R.Konjević and N.Konjević,  
On the Stark broadening of doubly-ionized krypton lines,  
ibid. pp.194-196.
76. B.Bлагоjević, M.V.Popović and N.Konjević,  
Investigation of LS coupling in O IV,  
ibid. pp.197-200.
77. Đ.Spasojević, M.Kuraica and N.Konjević,  
On the hydrogen line shapes in a plane cathode abnormal glow discharge,  
ibid. pp. 212-215.
78. M.Kuraica, I.Videnović and N.Konjević,  
Electric field measurement in the cathode fall region of the plane cathode abnormal glow discharge,  
ibid. pp.216-219.
79. M.Ivković and N.Konjević,  
The instabilities in the hollow-cathode glow discharge CO<sub>2</sub> laser,  
ibid. pp.266-269.
80. B.Bлагоjević, M.V.Popović, N.Konjević and M.S.Dimitrijević  
Stark broadening of the FV 3s <sup>2</sup>S-3p <sup>2</sup>P<sup>0</sup> and 3p <sup>2</sup>P<sup>0</sup> -3d <sup>2</sup>D transitions,  
Proceedings of the First Hungarian-Yugoslav Astronomical Conference, April 26-27,  
Baja, Hungary 1995, Eds.M.S.Dimitrijević and L.Y Popović, Publications de L'Observatoire  
Astronomique de Belgrade, No.49 (1995) pp.89-92.
81. B.Bлагоjević, M.V.Popović, N.Konjević and M.S.Dimitrijević,  
Stark shifts of N III and O IV lines,  
ibid. pp.93-96
82. M.Ivković, S.Jovićević and N.Konjević,  
Electron density diagnostics in an atmospheric pressure helium-microwave  
induced plasma,  
ibid. pp.113-116.
83. N.Konjević, I.Stefanović and M.Ivković  
Experimental study of the He II P<sub>β</sub> line shape,  
12th International Conference on Spectral Line Shapes, June 12-17, 1994, Toronto,  
Canada, published in AIP Conference Proceedings 328, AIP Press, New York (1995) pp.58-59.
84. Z.Mijatović, N.Konjević, R.Kobilarov and M.Ivković,  
Influence of ion-dynamics on the shape of the He I 4713 Å and 7065 Å lines,  
ibid pp.60-61.
85. N.Konjević, B.Bлагоjević, M.V.Popović and M.S.Dimitrijević,  
Temperature dependence of the triply ionized oxygen Stark widths,  
ibid. pp.75-76.
86. Z.Mijatović, N.Konjević, R.Kobilarov and S.Đurović,  
Influence of ion-dynamics on the shift of C I 5052.17- Å line in plasma,  
ibid. pp.77-78.
87. B.Bлагоjević, M.V.Popović, N.Konjević and M.S.Dimitrijević,  
Stark broadening of spectral lines along the isoelectronic of lithium and beryllium,

18th SPIG (Summer School and International Symposium on the Physics of Ionized Gases)  
September 2nd-6th 1996, Kotor, Contributed papers, Eds.B.Vujičić and S.Đurović, Faculty of  
Sciences, Institute of Physics, Novi Sad (1996) pp.259-262.

88. S.Đurović, Z.Mijatović, R.Kobilarov and N.Konjević,  
Stark widths and shifts of the Ar I 425.9 nm line,  
ibid. pp.279-82.
89. N.M.Šišović, M.M.Kuraica, I.R.Videnović, V.I.Miljević and N.Konjević,  
Hydrogen Balmer line shapes in coaxial diode glow discharge,  
ibid. pp.302-305.
90. B.Bлагоjević, M.V.Popović, N.Konjević and Z.Pavlović,  
Spectroscopic diagnostics of high current pulse discharge in the helium-nitrogen gas mixture,  
ibid. pp.318-321.
91. M.Ivković, S.Jovićević and N.Konjević,  
Spatial characteristics of the atmospheric pressure helium microwave induced plasma,  
ibid. pp.322-325.
92. S.Jovićević, M.Ivković and N.Konjević,  
Diagnostics of an atmospheric pressure argon microwave induced plasma,  
ibid. pp.326-329.
93. I.R.Videnović, N.Konjević and M.M.Kuraica,  
On the linear Stark spectroscopy of the cathode fall region of abnormal glow discharge in hydrogen,  
ibid. pp.375-378.
94. I.R.Videnović, N.Konjević and M.M.Kuraica,  
Experimental testing of the cathode fall region theories,  
ibid. pp.379-382.
95. M.M.Kuraica, N.Konjević, I.R.Videnović and B.M.Obradović,  
Electric field measurements in the cathode fall region of abnormal glow discharge in helium,  
ibid. pp.383-386.
96. Z.Mijatović, N.Konjević, S.Đurović and M.Ivković,  
Search for ion-dynamics effects on the shift and width of plasma broadened  
neutral atom lines,  
5th International Colloquium on Atomic Spectra and Oscillator Strengths, 28-31 August, 1995  
Meudon, France, Eds.W.U.I.Tchang-Brillet, J.-F.Wyart, C.J.Zeippen, Publication de l'Observatoire  
de Paris,  
Meudon (1996) pp. 130-131.
97. B.Bлагоjević, M.V.Popović, N.Konjević and M.S.Dimitrijević,  
Plasma broadening and shifting of spectral lines along isoelectronic sequence  
of boron,  
ibid. pp.132-133.
98. B.Bлагоjević, M.V.Popović, N.Konjević and M.S.Dimitrijević  
Plasma broadening and shifting of analogous spectral lines along isoelectronic  
sequences,  
13th International Conference on Spectral Line Shapes, June 16-21, 1996, Firenze,  
Italy, published in AIP Conference Proceedings 386, AIP Press, New York (1997)  
pp.143-146.

99. S.Djurović, Z.Mijatović, R.Kobilarov and N.Konjević  
On the temperature dependence of the Stark broadening parameters of the Ar I 425.9 nm line,  
ibid. pp.315-316.
100. I.R.Videnović, M.M.Kuraica and N.Konjević,  
On the Hydrogen Balmer H $\alpha$  Line Shapes in an Abnormal Glow Discharge Operating in Helium-Hydrogen Mixture,  
23<sup>rd</sup> International Conference on Phenomena in Ionized Gases, ICPIG 97, 17-22 July 1997, Toulouse, France,  
Contributed Papers, Eds. M.C.Bordage and A.Gleizes, Vol. IV (1997) pp.146-147.
101. B.Bлагоjević, M.V.Popović, N.Konjević and Z.Pavlović,  
Spectroscopic diagnostic of high current pulse discharge in the helium-nitrogen and helium oxygen gas mixtures,  
Proceedings of "Plasma Physics and Plasma Technology" 15-19 September, 1997, Minsk,  
Eds.V.S.Burakovet al., Institute of Molecular and Atomic Physics, Minsk (1997) pp. 349-351.
102. M.M.Kuraica, N.Konjević and B.M.Obradović,  
On the relative line intensities of forbidden and allowed components of the He I 492.1 nm line for electric field measurements,  
ibid. pp.352-355.
103. B.Bлагоjević, M.V.Popović and N.Konjević,  
Investigation of LS coupling in nitrogen II,  
19th SPIG (Summer School and International Symposium on the Physics of Ionized Gases) August 31-September 4, 1998,  
Zlatibor, Contributed papers, Eds.N.Konjević, M.Ćuk and I.R.Videnović, Faculty of Physics, Belgrade (1998) pp.349-352.
104. B.Bлагоjević, M.V.Popović, N.Konjević and M.S.Dimitrijević,  
Plasma broadening of analogous spectral lines of B II – C III and N II – O III,  
ibid. pp.353-356.
105. R.Konjević and N.Konjević,  
Plasma broadening of the Ar VIII 115.47 nm and 116.19 nm lines,  
ibid. pp.373-376.
106. D.Nikolić, S.Đurović, Z.Mijatović, R.Kobilarov and N.Konjević,  
Plasma broadening of two close neutral argon lines 419.07 nm and 419.10 nm,  
ibid. pp.381-384.
107. D.Nikolić, Z.Mijatović, R.Kobilarov, S.Đurović and N.Konjević,  
Deconvolution of plasma broadened neutral atom lines,  
ibid. pp.385-388.
108. N.M.Šišović, V.I.Miljević and N.Konjević,  
Radial distribution of argon spectral line intensities in a coaxial glow discharge,  
ibid. pp.461-464.
109. M.M.Kuraica, N.Konjević and B.M.Obradović,  
On the use of relative line intensities of forbidden and allowed components of the He I 402.6 nm for electric field measurements,

ibid. pp.465-468.

110. S.Jovićević, M.Ivković and N.Konjević,  
Effects of wet and dry nebulizer gas on the temperatures in the  
tangential flow MIP,  
ibid. pp.497-500.
111. B.M.Bлагоjević, M.V.Popović and N.Konjević,  
Investigation of LS coupling in carbon II,  
Proceedings of the 2<sup>nd</sup> Yugoslav-Belarusian Symposium on  
Physics and Diagnostics of Laboratory and Astrophysical  
Plasmas, September 5-6, Zlatibor, Yugoslavia,  
Eds.M.S.Dimitrijević and V.S.Burakov, Publikacije  
astronomske opservatorije u Beogradu,  
Sv.61,Beograd (1998) pp.67-70.
112. S.Jovićević, M.Ivković, Z.Pavlović and N.Konjević,  
Tangential flow MIP source with desolvation system,  
ibid. pp.107-110.
113. M.M.Kuraica, N.Konjević, M.Ćuk and B.M.Obradović,  
On the use of relative line intensities of forbidden and allowed  
components of the 447.1 nm line for electric field  
measurements,  
ibid. pp.111-114.
114. D.Nikolić, S.Đurović, Z.Mijatović, R.Kobilarov and N.Konjević,  
Plasma broadened 433.3 nm and 433.5 nm Ar I spectral lines,  
ibid. pp.131-134.
115. V.I.Arhipenko, N.Konjević, M.M.Kuraica, L.V.Simonchnik and S.M.Zgurovskii,  
Spectroscopic investigations of cathode fall region of the self-  
sustained glow discharge at atmospheric pressure,  
24th International Conference on Phenomena in Ionized  
Gases, ICPIG 99, 11-16 July 1999, Warsaw, Poland,  
Contributed Papers, Eds. P.Pisarczyk, T.Pisarczyk and  
J.Wolowski, Vol. V (1999) pp.47- 48.
116. B.M.Bлагоjević, M.V.Popović and N.Konjević,  
Systematic experimental study of the Stark broadening of C II,  
C III, N II, N III, O II and O III spectral lines.  
Spectral Line shapes, Vol.10, Ed. R.M.Herman, AIP Conference Proceedings  
467, AIP New York (1999) pp.189-90.
117. D.Nikolić, S.Đurović, Z.Mijatović, R.Kobilarov and N.Konjević,  
Plasma broadened 419.07 nm neutral argon line,  
ibid. p.191-2.
118. D.Nikolić, Z.Mijatović, R.Kobilarov, S.Đurović and N.Konjević,  
Deconvolution procedure for plasma broadened neutral atom lines,  
ibid. pp.193-194.
119. S.Jovićević, M.Ivković, Z.Pavlović and N.Konjević,  
Spatial distribution of electron number densities in a microwave induced plasma  
at atmospheric pressure,



XVth Europhysics Conference on Atomic and Molecular Physics of Ionized Gases (ESCAMPIG), Miskolc-Lillafured, Hungary, 26-30 August (2000).  
Contrib. papers, Eds.:Z.Donko et al., European Phys.Soc. Vol.24F, pp.328-329.

120. R.Konjević and N.Konjević,  
On the Stark broadening of singly ionized tin lines,  
20<sup>th</sup> Summer School and International Symposium on the Physics of Ionized Gases (20<sup>th</sup> SPIG), September 4-8, 2000, Zlatibor, Contributed papers, Eds.  
Z.Lj.Petrović, M.M.Kuraica, N.Bibić and G.Malović, Institute of Physics, Faculty of Physics, Beograd (2000) pp.281-284.
121. D.Nikolić, S.Đurović, Z.Mijatović, R.Kobilarov and N.Konjević,  
Measured Stark broadening parameters for Ar I 426.63 nm and Ar II 426.65 nm spectral lines,  
ibid. pp.285-288..
122. D.Nikolić, S.Đurović, Z.Mijatović, R.Kobilarov and N.Konjević,  
Ion broadening parameter determination for several neutral argon lines,  
ibid. pp.288-292.
123. D.Nikolić, Z.Mijatović, S.Đurović, R.Kobilarov and N.Konjević,  
Experimental determination of ion broadening parameter for C I 505.2 nm spectral line,  
ibid. pp.293-296.
124. R.Zikić, M.A.Gigosos, M.Ivković, M.A.Gonzalez and N.Konjević,  
Program for electron density determination from the experimental hydrogen H<sub>β</sub> line profile,  
ibid. pp.317-320.
125. B.M.Obradović, M.M.Kuraica, J.Purić and N.Konjević,  
Axial distribution of line intensities in the Grimm type glow discharge,  
ibid. pp.365-368.
126. G.Majstorović, B.M.Obradović, M.M.Kuraica, and N.Konjević,  
Spatial distribution of rotational and vibrational N<sub>2</sub><sup>+</sup> and N<sub>2</sub> temperatures in an abnormal glow discharge,  
ibid. pp.373-376.
127. S.Jovićević, M.Ivković, Z.Pavlović and N.Konjević,  
Influence of the low ionization potential element to the microwave induced plasma parameters,  
ibid. pp. 381-384.
128. S.Jovićević, M.Ivković, Z.Pavlović and N.Konjević,  
Plasma parameters measurements of the atmospheric pressure microwave Induced plasma,  
III Int.Conf.Plasma Phys.Plasma Technology, Minsk, Nelarus, September 18-22, 2000, Contributed papers, Institute of Molecular and Atomic Physics, Minsk (2000) pp.180-183.
129. M.R.Gemisić, B.M.Obradović, I.P.Dojeinović, M. M.Kuraica, J.Purić and N.Konjević,  
Spectra of the Grimm type glow discharge in the vicinity of Hydrogen L<sub>α</sub> line,  
Proc.of 3<sup>rd</sup> Belarussian-Yugoslav Symp. On Phys.. and Diagnostics of Lab.

and *Astrophys. Plasma*, September 17-21, 2000, Minsk, Belarus, Contributed papers, Eds: V.S.Burakov and M.S.Dimitrijević, *Publ. Astron. Obs. Belgrade*, No.68 (2000) pp. 49-52

130. S.Jovićević, M.Ivković, Z.Pavlović and N.Konjević,  
Rotational temperatures at atmospheric pressure of microwave induced plasma,  
*ibid.* pp.101-104.
131. D.Nikolić, S.Đurović, Z.Mijatović, R.Kobilarov and N.Konjević,  
Determination of ion-broadening parameter for C I 505.2 nm and Ar I 419.8 nm  
Lines,  
*ibid.* pp.129-132.
132. B.M.Obradović, M.R.Gemišić, I.P.Dojčinović, M. M.Kuraica, J.Purić and  
N.Konjević,  
Spherical strata in glow discharge,  
*ibid.* pp.135-138.
133. N.Konjević, A.Lesage, J.R.Fuhr and W.L.Wiese  
A new critical review of experimental Stark widths and shifts,  
15<sup>th</sup> Int. Conf.. Spectral Line Shapes, , Berlin, 10-14 July, 2000, Ed.J.Seidel,  
*Spectral Line shapes*, Vol.11, AIP Conference Proceedings 559,  
AIP, New York (2001) pp.126-128
134. B.Bлагоjević, M.V.Popović and N.konjević,  
Stark shifting of analogous spectral lines along isoelectronic sequences of beryllium  
and boron,  
*ibid.* p.153-155.
135. M.Ivković, N.Ben Nessib and N.Konjević,  
Stark broadening of  $3p^3D-3d3F^0$  transitions along isoelectronic sequence of ions,  
21st Summer School and International Symposium on the Physics of Ionized  
Gases (21st SPIG), August 25-29, 2002, Sokobanjar, Contributed papers, Eds.  
M.K.Radović and M.S.Jovanović, Faculty of Sciences and Mathematics, University  
of Niš, Niš (2002) pp. 294-297.
136. M.R.Gemišić, B.M.Obradović, M.M.Kuraica and N.Konjević  
Influence of cathode material on hydrogen and deuterium Balmer alpha line shapes,  
*ibid.* pp. 298-301.
137. S.Jovićević, M.Ivković and N.Konjević  
Comparative study of rotational temperatures in microwave plasma: OH radical  
versus  $N_2^+$ ,  
*ibid.* pp. 354-357.
138. G.Lj.Majstorović, B.M.Obradović, M.M.Kuraica and N.Konjević,  
Analysis of vibrational  $N_2^+$  and  $N_2$  temperatures determined by three different  
Procedure in an abnormal glow discharge,  
*ibid.* pp. 358-361.
139. B.M.Obradović, M.M.Kuraica and N.Konjević,  
Study of spectral line intensities in an abnormal dc glow discharge in  $N_2/H_2$  mixture  
with Ti and Fe cathode,  
*ibid.* pp. 362-365.

140. Wolfgang L. Wiese, Jeffrey R. Fuhr, Alain Lesage and Nikola Konjević,  
Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms  
(A critical review of selected data for the period 1989 through 2000),  
16<sup>th</sup> Int. Conf.. Spectral Line Shapes, Berkeley, CA, USA, 3-7 June, 2002,  
Ed.C.A.Back,  
Spectral Line Shapes, Vol.12, AIP Conference Proceedings 645,  
AIP, New York (2002) pp.106-115.
141. N.M.Šišović, G.Lj. Majstorović, and N. Konjević,  
Spectroscopic investigations of energetic hydrogen and deuterium atoms in an hollow-  
Cathode discharge,  
Proceedings of the Fifth General Conference of the Balkan Physics Union, BPU-5,  
Vrnjačka banja, August 25-29, 2003, Eds: S.Jokić, I.Milošević, A.Balaž, Z.Nikolić,  
Serbian Physical Society, Belgrade, 2003, pp.1053-1056.
142. M.Ivković, S.Jovičević and N.Konjević,  
Application of higher members of hydrogen Balmer series for electron density plasma  
Diagnostics,  
ibid pp.1129-1132.
143. S.Jovičević, M.Ivković and N.Konjević,  
Parametric study of low-pressure hydrogen plasma induced by microwaves,  
ibid.pp.1169-1172.
144. S.Jovičević, M.Ivković and N.Konjević,  
Two-mode operation of an atmospheric pressure stabilized argon arc,  
4<sup>th</sup> Conference on Plasma Physics and Plasma Technology (PPPT-4),  
Minsk 14-19 September 2003, Contributed papers, Published by Institute of Molecular  
and Atomic Physics National Academy of Sciences Belarus (2003) pp. 63-66.
145. M.Ivković, S.Jovičević and N.Konjević,  
Old “new” method for low electron density plasma diagnostics,  
4<sup>th</sup> Conference on Plasma Physics and Plasma Technology (PPPT-4),  
Minsk 14-19 September 2003, Contributed papers, Published by Institute of Molecular  
and Atomic Physics National Academy of Sciences Belarus (2003) pp. 392-395.
146. M.Ivković, N.Ben Nessib and N.Konjević,  
Stark broadening of  $3s^3P^0-3p^3D$  transitions along carbon isoelectronic sequence of ions,  
22<sup>nd</sup> Summer School and International Symposium on the Physics of Ionized Gases,  
August 23-27, 2004, National Park Tara, Bajina Bašta, Serbia and Montenegro,  
Contributed papers, Ed. Ljupčo Hadžievski, Vinča Institute, Belgrade, Serbia and  
Montenegro (2004) pp.285-288.
147. N.Cvetanović, B.M.Obradović, M.M.Kuraica and N.Konjević,  
Excessive Balmer line broadening in the negative glow region of hydrogen discharge,  
ibid. pp.317-320.
148. N.M.Šišović, G.Lj.Majstorović and N.Konjević,  
Excessive hydrogen Balmer  $\alpha$  broadening in a hollow cathode discharge,  
ibid. pp.321-324.
149. N.Cvetanović, B.M.Obradović, M.M.Kuraica and N.Konjević,  
Large Doppler broadening of Balmer line in hydrogen glow discharge,

V Symposium of Belarus, Serbia and Montenegro on Physics and Diagnostics of laboratory and Astrophysical Plasmas – PDP-V 2004, Minsk 20-23 September 2004, Contributed papers, Eds.: V.S.Burakov and A.F.Chernyavskii, Published by Institute of Molecular and Atomic Physics National Academy of Sciences Belarus, Minsk (2004) pp. 101-104.

150. N.M.Šišović, G.Lj.Majstorović and N.Konjević,  
On excessive hydrogen Balmer  $\alpha$  broadening in neon-hydrogen hollow cathode discharge,  
ibid. pp.183-186.
151. N.M.Šišović, G.Lj.Majstorović and N.Konjević,  
Anomalous broadening of hydrogen Balmer lines in titanium hollow cathode glow discharge.  
18th Europhysics Conference on Atomic and Molecular Physics of Ionised Gases, ESCAMPIG,  
July 12-16.  
2006., Lecce, Italy, Abstracts of Onvited lectures and Contributed Papers, Eds.: A.Cacciatore et al.,  
Europrean Physical Society, Vol. 30 G (2006) pp. 335-336.
152. S.Jovićević, M.Ivković and N.Konjević,  
Excess broadening of hydrogen Balmer lines in a microwave induced discharge,  
23<sup>rd</sup> Summer School and International Symposium on the Physics of Ionized Gases,  
August 28-September 1<sup>st</sup>, 2006, Kopaonik, Serbia, Contributed papers,  
Eds. N.Simonović, B.Marinković and Lj. Hadžievski, Institute of Physics, Belgrade, Serbia (2006) pp.  
307-31
153. I.Koralt, M.Ivković and N.Konjević,  
LS-coupling scheme for O III  $3p^3D-3d^3F^0$  levels,  
ibid. pp.311-314.
154. S.Jovićević, M.A.Gigosos, M.Ivković, M.A.Gonzalez and N.Konjević,  
Stark broadening of Li I 460.3 nm spectral line with forbidden component,  
ibid. pp.315-318.
155. N.M.Šišović, G.Lj.Majstorović and N.Konjević,  
Radial distribution of excessive Doppler broadened hydrogen Balmer alpha line in a hollow cathode  
glow discharge,  
ibid. pp.427-430.
156. G.Lj.Majstorović, N.M.Šišović, and N.Konjević,  
Rotational temperature: measurement in hydrogen hollow cathode glow discharge,  
ibid. pp.431-434.
157. G.Lj.Majstorović, N.M.Šišović, and N.Konjević,  
Vibrational temperature measurement in hydrogen hollow cathode discharge,  
ibid. pp.435-438.
158. N.M.Šišović, G.Lj.Majstorović and N.Konjević,  
Radial distribution of the excessively Doppler broadened hydrogen Balmer  
alpha line in a titanium hollow cathode glow discharge, XXVIII International Conference  
on Phenomena in Ionized Gases, July 16-20, Contributed papers, Eds.: J.Schmidt, M.Šimek,  
S.Pekarek, Institute of Plasma Physics AS CR, v.v.I, Prague. Chezh Republic (2007) pp.1926-1929
159. G.Lj.Majstorović, N.M.Šišović, and N.Konjević,  
Radial distribution of the excessively Doppler broadened deuterium Balmer alpha line  
in a titanium hollow cathode glow discharge,  
ibid. pp. 1930-1933.

160. V.Steflekova, J.Jovović, N.M.Šišović and N.Konjević,  
Balmer alpha line shape and surface morphology during depth profiling analysis of thin film,  
24<sup>th</sup> Summer School and International Symposium on the Physics of Ionized Gases,  
August 25-29, 2008, Novi Sad, Serbia, Contributed papers, Eds.: G.Malović,  
L.Č.Popović, M.S.Dimitrijević Astronomical Observatory, Belgrade, Serbia (2008)  
pp. 265-268.
161. J.Jovović, N.M.Šišović and N.Konjević,  
Doppler spectroscopy of the hydrogen Balmer beta line in a water vapour hollow  
cathode glow discharge,  
ibid. pp. 269-272.
162. N.M.Šišović, G.Lj.Majstorović and N.Konjević,  
Spectroscopic study of high energy excited hydrogen atoms in a hollow cathode  
glow discharge,  
ibid. pp. 309-312.
163. M.Ivković, M.A.Gonzalez, S.Jovićević, M.A.Gigosos, and N.Konjević,  
Separation between allowed and forbidden component of the He I 447 nm line in  
high electron density plasma, 19<sup>th</sup> International Conference on S[pectral Line  
Shapes, Eds.: M.A.Gigosos and M.A.Gonzalez, June 15-20, Valladolid (Spain),  
American Institute of Physics Conference  
Proceedings 1058 (2008) pp. 66-68
164. N.M.Šišović, G.Lj.Majstorović and N.Konjević,  
Anomalous broadening, of Balmer H line in aluminum and copper hollow cathode  
glow discharges, ibid. pp. 143-145
165. Stefleková V., Šišović N.M., Stojadinović S., Konjević N.,  
Spectroscopic study on on the H $\alpha$  line shape in spray discharge, Colloquium  
Spectroscopicum Internationale, XXXVI August 30-September 3, 2009, Electronic  
book of abstracts, ISBN 978-963-9319-97-4, PW-103.
166. Vasilka Stefleková, Djordje Spasojević, Nikola M. Šišović, Nikola Konjević  
Study of cathode sheath in hydrogen glow discharge', Proceedings of the 20th European  
Sectional Conference on the Atomic and Molecular Physics of Ionised Gases, 13-17 July  
2010, Novi Sad, Serbia, Eds: Z.Lj.Petrović, G.Malović and D.Marić, European Physical Society,  
Vol. 34B, P1-58 ISBN: 2-914771-63-0.
167. Jovica Jovović, Nikola M Šišović, Nikola Konjević  
Spectroscopic study of argon microwave induced discharge',  
ibid. P2.15.
168. Marko Cvejić, Sonja Jovićević, Emilien Mothe, Laurent Mercardier, Nikola Konjević,  
Jorg Hermann,  
Electron density diagnostics of laser induced plasma in helium.  
25<sup>th</sup> Summer School and International Symposium on the Physics of Ionized Gases,  
August 30 – September 3, 2010, Donji Milanovac, Serbia, Contributed papers, Eds.:  
L.Č.Popović, M.Kutaica, Publ.Astron. Obs., Belgrade, No.89 (2010) pp. 189-192.
169. Milivoje.Ivković, Manuel Angel Gonzalez, Sonja Jovićević, Marco Antonio Gigosos,  
Nkola Konjević,  
Stark broadening of the He I 447.1 nm line and its forbidden components in dense

cool plasma,  
Ibid. 201 – 204.

170. Gordana Lj. Majstorović, Nikola M. Šišović, and Nikola Konjević,  
Comparative spectroscopic temperature measurements in hydrogen hollow cathode glow discharge,  
Ibid. 209 – 212.
171. Jovica Jovović, Nikola M. Šišović, Nikola Konjević,  
Spatial distribution of Ar I line intensity in a low - pressure microwave discharge in argon and argon – molecular gas mixtures,  
ibid, 245 – 248.
172. M. Ćirisan, M. Cvejić, J. Hermann, S. Jovićević and N. Konjević  
Study of the optical thickness of laser-induced plasma for improved calibration-free LIBS analysis.  
26<sup>th</sup> Summer School and International Symposium on the Physics of Ionized Gases, August 27<sup>th</sup> – 31<sup>st</sup>, 2012, Zrenjanin, Serbia, Contributed papers, Eds.: M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, Serbia (2012) pp. 151 -154
173. M. Gavrilović, M. Cvejić, S. Jovićević and N. Konjević,  
Characterization of laser-induced plasma by optical emission spectroscopy,  
ibid. 175 – 178.
174. M. Gavrilović, S. Jovićević and N. Konjević,  
Spectroscopic characterization of micro APGD in helium,  
ibid. 179 – 182.
175. M. Ivković, M. Á. González, N. Lara, M. A. Gigosos and N. Konjević,  
The Stark broadening of the He I 492.1 nm line with forbidden components in dense cool plasma,  
ibid. 183 – 186.
176. J. Jovović, S. Stojadinović, N.M. Šišović, N. Konjević,  
Emission spectroscopy of plasma during electrolytic oxidation (PEO) of Mg- and Al- alloy,  
ibid. 187 – 190
177. J. Jovović, I.L. Epstein, N. Konjević, Yu.A. Lebedev, N.M. Šišović, A.V. Tatarinov,  
Spectroscopic and 2D modeling study of the influence of small hydrogen addition in nonuniform nitrogen microwave discharge,  
*ibid.* 191 – 194
178. M. Cvejić, S. Jovićević and N. Konjević,  
Spectroscopic characterization of atmospheric pressure glow discharge,  
ibid. 289 – 292
179. J. Jovović, I.L. Epstein, N. Konjević, Yu.A. Lebedev, N.M. Šišović, A.V. Tatarinov,  
Spectroscopy and 2D modeling study of non-uniform microwave discharge in nitrogen and nitrogen-hydrogen mixtures, 8<sup>th</sup> International Workshop "Microwave discharges: Fundamentals and Applications", 10-14 September, Zvenigorod, Russia, edited by Yu.A. Lebedev, (Moscow: Yanus-K), (2012) pp. 93-96.

180. G.Lj.Majstorović, J.Jovović and N.Konjević,  
Gas temperature measurement in segmented micro hollow gas discharge in helium,  
Contributed papers, 27th Summer School and International Symposium on the Physics of  
Ionized Gases, August 26-29, 2014., Eds.: D.Marić, A. Milosavljević and Y.Mijatović,  
Published by Institute of Physics, Belgrade, Cicero, ISBN 978'86 '7762-600'6Belgrade,  
Serbia (2014) pp. 283 – 284
181. N.V.Ivanović, G.Lj.Majstorović, N.M.Šišović and N.Konjević,  
The estimation of electric field in cathode fall region of neon Grimm glow discharge.  
*ibid.* 359 – 360
182. Gajo T Ivković M., Konjević N., Savić I., Djurović S., Mijatović Z. and Kobilarov R.,  
The influence of Debye screening on the shift of the He I 7065.52 nm spectral line,  
28<sup>th</sup> Summer School and Symposium on the Physics of Ionized Gases, Aug.29-Sep. 2016, Belgrade, Serbia, Contributed  
papers, Eds.: Marić D., Milosavljević A., Obradović B. and Poparić G., University of Belgrade, Faculty of Physics, Belgrade  
(2016) pp. 232-235.
183. Vinic M., Stankov B., Ivkovic M. and Konjevic N.,  
Characterization of an atmospheric pressure pulsed microjet,  
*ibid.* 276-279
184. Ivanović V.N., Spasojević Dj. and Konjević N.,  
A routine for demixing of polarization components in profiles of hydrogen Balmer spectral lines,  
*Ibid.* 288'291

**K. RADOVI SAOPŠTENI NA SKUPU NACIONALNOG ZNAČAJA  
PAPERS PRESENTED AT THE NATIONAL CONFERENCES**

1. N.Konjević, Lj.Ćirković i R.Konjević,  
Neke karakteristike tečnih lasera sa organskim bojama,  
V Kongres matematičara, fizičara i astronoma Jugoslavije, Ohrid 1970,  
Zbornik na trudovite, tom II, Fizika (1972) str. 435-8.
2. N.Konjević,  
Principi rada i mogućnosti primene laserske tehnike za detekciju toksičnih  
supstanci u atmosferi,  
Savetovanje: Metode i Metodologija Ispitivanja Zagađenosti Vazduha,  
Beograd 16-18 decembar 1974, Juoslovensko društvo za čistoću vazduha,  
Beograd (1974) str. 53-76.
3. M.Orlov, M.Trtica i N.Konjević,  
Detekcija insekticida metodom apsorpcije unutar laserskog rezonatora,  
19 ETAN u pomorstvu, Zbornik radova, 27-29 juna, Zadar (1977) str. 395-9.
4. V.Popović i N.Konjević,  
Prenosni Nd-YAG laser,  
*ibid.* str. 400-4.
5. I.Belić, M.Trtica i N.Konjević,  
Konstrukcija plamenog sistema za hemijski laser,  
*ibid.* str. 411-6.
6. Đ.Jevtović, R.Konjević i N.Konjević,  
Tečni laser sa smešom rodamina 6G i krezilvioleta,

- ibid. str. 423-8.
7. P.Vujković Cvijin, M.Orlov i N.Konjević,  
Primena spektrofona za detekciju zagađenja atmosfere,  
ibid. str. 429-33.
  8. P.Vujković Cvijin, S.Jovićević, M.Orlov i N.Konjević,  
Primena infracrvene fluorescencije za detekciju zagađenja atmosfere,  
20 ETAN u pomorstvu, Zbornik radova, 13-15 juna, Zadar (1978) str. 625-30.
  9. V.Popović, Z.Babarogić i N.Konjević,  
Plameni hemijski laser,  
ibid. str. 631-6.
  10. B.Lončarević, S.Jovićević, I.Belić i N.Konjević,  
Impulsni azotni laser,  
ibid. str. 637-42.
  11. S.Jovićević, R.Konjević i N.Konjević,  
Prenos energije u tečnim laserima sa mešavinom organskih boja,  
ibid. str. 643-8.
  12. P.Vujković Cvijin i N.Konjević,  
Proračun parametara lidara u infracrvenoj oblasti spektra,  
21 ETAN u pomorstvu, Zbornik radova, 25-27 juna, Zadar (1979) str. 229-34.
  13. M.Dimitrijević i N.Konjević,  
Uticaj oblika laserskog impulsa na stepen interakcije laserskog zračenja sa materijom,  
ibid. str. 199-204.
  14. R.Konjević i N.Konjević,  
Emulzioni tečni laser sa organskim bojama,  
ibid. str. 211-5.
  15. I.Belić, Z.Babarogić i N.Konjević,  
Sistem za disocijaciju SF<sub>6</sub>,  
ibid. str. 217-21.
  16. S.Jovićević, M.Orlov i N.Konjević,  
Apsorpcioni koeficijenti vinil-hlorida i insekticida DDVP na talasnim duzinama CO lasera,  
ibid. str. 223-8.
  17. Z.Ikonić, B.Lončarević i N.Konjević,  
Bljeskalica sa gasnim punjenjem na atmosferskom pritisku,  
ibid. str. 187-92.
  18. M.Trtica i N.Konjević,  
Spektralne karakteristike kontinualnog CO plamenog hemijskog lasera tipa CS<sub>2</sub>-O<sub>2</sub>-Aditiv,  
ibid.str.205-10.
  19. M.Orlov, I.Mendaš i N.Konjević,  
Laserski indukovana hemija trihloretilena,  
ibid. str. 193-8.



20. M.S.Dimitrijević i N.Konjević,  
Uticaj oblika spektralne linije na interakciju zračenja sa plazmom,  
22 ETAN u pomorstvu, Zbornik radova, 23-25 juna, Zadar (1980) str. 365-70.
21. M.S.Dimitrijević i N.Konjević,  
Uticaj predimpulsa na oštećenje prozračne mete laserskim zračenjem,  
ibid. str. 371-6.
22. Z.Babarogić, I.Belić, I.Mendaš i N.Konjević,  
Hemijski HF kontinualni laser,  
ibid. str. 377-83.
23. P.Vujković Cvijin, M.Trtica i N.Konjević,  
Daljinska detekcija zagađenja atmosfere pomoću lidara na principu diferencijalne apsorpcije,  
ibid. str. 384-9.
24. S.Jovićević, B.Lončarević, V.Knežević, S.Manola, M.S.Dimitrijević i N.Konjević,  
Spektroskopsko proučavanje laserski proizvedene plazme,  
23 ETAN u pomorstvu, Zbornik radova, 21-24 juna, Zadar (1981) str. 348-53.
25. M.S.Dimitrijević i N.Konjević,  
proceni optičke prozračnosti plazme koja nastaje prilikom obrade metala snažnim laserskim zračenjem,  
ibid. str. 323-9.
26. M.S.Dimitrijević i N.Konjević,  
Uticaj oblika laserskog impulsa na profil plazme ispred metalnih meta,  
ibid. str. 330-4.
27. B.Lončarević, S.Jovićević, M.S.Dimitrijević i N.Konjević,  
Apsorpcija laserskog zračenja na metalnoj meti u prisustvu proboja ispred mete,  
ibid. str. 335-40.
28. S.Jovićević, M.S.Dimitrijević i N.Konjević,  
Uticaj talasne dužine lasera na apsorpciju zračenja na metalu u prisustvu plazme,  
24 ETAN u pomorstvu, Zbornik radova, juni, Zadar (1982) str. 374-82.
29. M.S.Dimitrijević i N.Konjević,  
Uloga predimpulsa kod praga za oštećenje metalne mete laserskim zračenjem,  
ibid. str. 367-373.
30. R.Konjević i N.Konjević,  
Uticaj temperaturno zavisne apsorpcije na zagrevanje metalnih površina laserskim zračenjem,  
25 ETAN u pomorstvu, Zbornik radova, juni, Zadar (1983) str. 497-503.
31. S.Jovićević i N.Konjević,  
Uticaj tankog transparentnog, dielektričnog sloja na površini metalne mete na apsorpciju laserskog zračenja,  
ibid. str. 504-9.
32. S.Jovićević i N.Konjević,  
Apsorpcija laserskog zračenja na metalnoj meti u prisustvu plazme i laserski podržanog detonacionog talasa,  
ibid. str. 510-5.

33. B.Blagojević, M.V.Popović, N.Konjević i Z.Pavlović,  
Spektroskopska dijagnostika impulsnog visokostrujnog pražnjenja u mešavini azota i helijuma,  
IX Kongres fizičara Jugoslavije, 29-31 maja, Petrovac na Moru, Zbornik radova, Izdavay: Društvo  
fizičara Crne Gore i Društvo fizičara Srbije (1995) str.357-60.
34. M.Ivković, S.Jovićević i N.Konjević,  
Tinjavo pražnjenje sa vodenom katodom,  
ibid. 385-8.
35. S.Jovićević, M.Ivković i N.Konjević,  
Impulsno pražnjenje u plazmi neodimijuma,  
ibid. 409-12.
36. M.Kuraica, I.Videnović i N.Konjević,  
Uticaj materijala katode i radnog gasa na oblik Balmer-ovih linija vodonika u abnormalnom  
tinjavom pražnjenju,  
ibid. 413-5.
37. N.Šišović, M.Kuraica, V.Miljević i N.Konjević,  
Merenje ekscitacione i gasne temperature u magnetronske diodi sa šupljom katodom,  
ibid. 445-8.
38. I.Videnović, M.Kuraica i N.Konjević,  
Spektroskopsko merenje jayine elektriynog polja u abnormalnom tinjavom pražnjenju,  
ibid. 449-52.
39. Z.Mijatović, R.Kobilarov, S.Đurović, N.Konjević i I.Savić,  
Merenje parametara spektralnih linija emitovanih iz plazme sa poboljšanom tačnošću,  
ibid, 717-20.
40. B.Blagojević, M.V.Popović, and N.Konjević  
On the LS coupling along the boron sequence,  
Proceedings of the First Yugoslav Conference on Spectral Line Shapes, September 11-14,  
1995, Krivaja, Eds.M.S.Dimitrijević and L.Y.Popović, Publikacija Astronomske opservatorije  
u Beogradu, Sv.50, Beograd (1995) str.27-30.
41. B.Blagojević, M.V.Popović, N.Konjević, and M.S.Dimitrijević,  
On the Stark broadening and shift of triply ionized oxygen lines,  
ibid. 31-4.
42. S.Jovićević, M.Ivković, and N.Konjević,  
Electron density measurements in a laser initiated Nd plasma pulsed discharge,  
ibid. 81-6.
43. Z.Mijatović, N.Konjević, R.Kobilarov, and S.Đurović,  
Stark width and shift of C I 538.0 nm spectral line,  
ibid. 91-4.
44. N.Šišović, I.Videnović, M.Kuraica M.Miljević, and N.Konjević,  
Light source for the study of neutral pressure broadening,  
ibid. 131-4.
45. I.Videnović, M.Kuraica, and N.Konjević,  
The use of atomic hydrogen line shapes for abnormal glow discharge diagnostics,  
ibid. 139-43.

46. I.R.Videnović, N.Konjević and M.M.Kuraica,  
On the Use of Atomic Hydrogen Line Shapes for the Excited Hydrogen Atoms Temperature Determination in a Glow Discharge,  
Proceedings of the 2nd Yugoslav Conference on Spectral Line Shapes, September 29<sup>th</sup> – October 2<sup>nd</sup>, 1997, Bela Crkva, Yugoslavia, Eds: L.Ā.Popović and M.Ćuk, Publ.Obs.Astron. Belgrade **57** (1997) p.125-128.
47. N.M.Šišović, V.I.Miljević and N.Konjević,  
Investigation of the H $\beta$  line shape in coaxial glow discharge,  
*ibid.* p. 121-124.
48. B.Bлагоjević, M.V.Popović, Z.Pavlović and N.Konjević,  
Investigation of LS coupling in oxygen III,  
*ibid.* p.11-13.
49. S.Jovićević, M.Ivković, Z.Pavlović and N.Konjević,  
Diagnostics of an low pressure microwave induced Ar plasma,  
*ibid.* p.67-70.
50. D.Nikolić, S.Djurović, Z.Mijatović, R.Kobilarov and N.Konjević,  
Stark widths and shifts of the Ar I 427.2 nm line,  
*ibid.* p.83-86.
51. B.M.Obradović, M.M.Kuraica, N. Konjević and M. Platiša,  
Laser absorbtion spectroscopy for gas temperature measurements in a glow discharge,  
*ibid.* p.87-90.
52. S.Jovićević, M.Ivković, Z.Pavlović and N.Konjević,  
Electron density measurements in an analytical MIP,  
12<sup>th</sup> Yugoslav Conference on General and Applied Spectroscopy, 25- 27,  
October 1999, Belgrade, Eds.: M.R.Todorović and U.B.Mioc,  
Serbian Chemical Society, Belgrade (1999) p.42.
53. M.Ivković and N.Konjević,  
The analysis of electron density determination from H $\beta$  line shape  
at relatively low concentrations,  
*ibid.* p.44.
54. B.M.Obradović, M.R.Gemišić, I.M.Dojčinović, M.M.Kuraica,  
N.Konjević,  
Sferne strate u tinjavom praznjenju,  
10.Kongres fizičara Jugoslavije, Vrnjačka Banja 27-29.03.  
2000, Zbornik radova, Urednici: B.Milić i D.Marhušev, Društvo  
fizičara Srbije (2000) str.639-42.
55. G.Majstorović, B.M.Obradović, M.M.Kuraica, N.Konjević,  
Prostorne raspodele rotacionih i vibracionih temperatura u  
abnormalnom tinjavom praznjenju,  
*ibid.* str. 647-50.
56. B.Bлагоjević, M.V.Popović, N.Konjević,  
Provera vazenja spin-orbitalnesprege unutar 3s-3p i 3p-3d  
multipleta delimicnih izoelektronskih nizova bora i ugljenika,  
*ibid.* str. 671-4.

57. S.Jovićević, M.Ivković, Z.Pavlović and N.Konjević,  
Utica j vodonika na elektronsku gustinu mikrotalasno  
indukovane plazme na atmosferskom pritisku,  
*ibid.* str. 679-82.
58. B.Bлагоjević, M.V.Popović and N.Konjević,  
Experimental study of LS coupling along lithium isoelectronic sequence,  
3<sup>rd</sup> Yugoslav Conference on Spectral Line Shapes, Brankovac, October 4<sup>th</sup> to 6<sup>th</sup>,  
1999.  
J.Res.Phys. 28, 223-226 (1999)
59. M.Ivković and N.Konjević,  
On the application of Balmer beta line shape for electron density diagnostics in the  
range  $10^{20}$ -  $10^{21}$  m<sup>-3</sup>.  
3<sup>rd</sup> Yugoslav Conference on Spectral Line Shapes, Brankovac, October 4<sup>th</sup> to 6<sup>th</sup>,  
1999.  
J.Res.Phys. 28, 239-242 (1999)
60. D.Nikolić, S.Đurović, Z.Mijatović, R.Kobilarov and N.Konjević,  
On the Stark broadening of some Ar I lines.  
3<sup>rd</sup> Yugoslav Conference on Spectral Line Shapes, Brankovac, October 4<sup>th</sup> to 6<sup>th</sup>,  
1999.  
J.Res.Phys. 28, 251-254 (1999)
61. D.Nikolić, S.Đurović, Z.Mijatović, R.Kobilarov and N.Konjević,  
Experimental Stark parameters for Ar I 426.63 nm and Ar II 426.65 nm spectral  
line,  
3<sup>rd</sup> Yugoslav Conference on Spectral Line Shapes, Brankovac, October 4<sup>th</sup> to 6<sup>th</sup>,  
1999.  
J.Res.Phys. 28, 255-258 (1999)
62. D.Nikolić, Z.Mijatović, S.Đurović, R.Kobilarov and N.Konjević,  
Ion-broadening parameter of C I 505.2 nm spectral line,  
3<sup>rd</sup> Yugoslav Conference on Spectral Line Shapes, Brankovac, October 4<sup>th</sup> to 6<sup>th</sup>,  
1999.  
J.Res.Phys. 28, 259-262 (1999)
63. G.Majstorović, B.M.Obradović, M.M.Kuraica, N.Konjević,  
Spatial distribution of rotational temperature in the Grimm-type of glow discharge  
3<sup>rd</sup> Yugoslav Conference on Spectral Line Shapes, Brankovac, October 4<sup>th</sup> to 6<sup>th</sup>,  
1999.  
J.Res.Phys. 28, 275-278 (1999)
64. G.Majstorović, B.M.Obradović, M.M.Kuraica, N.Konjević,  
Spatial distribution of vibrational temperature in the Grimm-type of glow discharge  
3<sup>rd</sup> Yugoslav Conference on Spectral Line Shapes, Brankovac, October 4<sup>th</sup> to 6<sup>th</sup>,  
1999.  
J.Res.Phys. 28, 279-282 (1999)
65. S.Jovićević, M.Ivković, Z.Pavlović and N.Konjević,  
Spectroscopy studies of atmospheric pressure microwave induced plasma,  
3<sup>rd</sup> Yugoslav Conference on Spectral Line Shapes, Brankovac, October 4<sup>th</sup> to 6<sup>th</sup>,  
1999.  
J.Res.Phys. 28, 283-286 (1999)

66. B.M.Obradović, M.M.Kuraica and N.Konjević,  
In situ monitoring of cathode surface reflectivity in abnormal d.c. glow discharge,  
Applied Physics in Serbia-APS,  
May 27-29, Belgrade, Eds.S.Koički, N.Konjević, Z.Lj.Petrović, Đ.Bek-Uzarov,  
Serbian Academy of Sciences and Arts, Belgrade (2002) p.159-62
67. M.Ivković, S.Jovićević, N.Konjević,  
Industrial CO<sub>2</sub> laser system for nonmetal processing,  
Ibid. 187-90.
68. Н.В.Ивановић, Г.Љ.Мајсторовић, Н.М.Шишовић и Н.Коњевић,  
Облици спектралних линија атома неона у прикатодној области тињавог  
пражњења,  
XII Конгрес физичара Србије, 28, април - '2. мај 2013, Врњачка Бања, Србија,,  
Зборник радова, Друштво физичара Србије, Цара Душана 13, Београд,  
Штампа: 1909. MINERVA, Карађорђевог пут 37, Суботица. 2013. стране 329'-332.
69. М.Цвејић, М.Р.Гавриловић, С.Јовићевић и Н.Коњевић,  
Дијагностика ласерски произведене плазме помоћу оптичке емисионе спектроскопије,  
ibid. 363-366.