

СПИСАК ОБЈАВЉЕНИХ РАДОВА ДР САКАН НЕНАДА

Списак објављених радова за период од 2001 до 2021. године (радови објављени у периоду након одлуке Научног већа Института за физику о предлогу за стицање звања научни сарадник су посебно означени са знаком "*").

1. Монографска студија/поглавље у књизи М12 или рад у тематском зборнику међународног значаја - М14

Објављени након одлуке Научног већа Института за физику о предлогу за стицање претходног научног звања* (4 × 4 = 16)

*1. Sakan S, Sakan N, Đorđević D (2015) Evaluation of the possibility of using normalization with cobalt in detection of anthropogenic heavy metals in sediments, in Advances in Chemistry Research, Volume 26, 167-183, Editor: James C. Taylor. Nova Science Publishers, New York, **ISBN: 978-1-63482-508-5**

*2. Sakan S, Sakan N, Đorđević D (2015) Pollution characteristics and potential ecological risk assessment of heavy metals in river sediments based on calculation of pollution indices, in Advances in Environmental Research, Volume 41, 63-84, Editor: Justin A. Daniels. Nova Science Publishers, New York, **ISBN: 978-1-63482-885-7**

*3. Sakan, S., Sakan, N., Đorđević, D (2018). Identification, evaluation, and estimation of the levels of potentially harmful trace elements in sediments based on the application of different methods. In Biogeochemistry of Trace elements, Editors: Pokrovsky, O., and Viers, J., Nova Science Publishers, New York, **ISBN: 978-1-53614-244-0**

*4. Sakan N. Fizičke metode merenja (2019). Urednik: **Prof. dr Milovan Milutinović**
NUBL–Независни Универзитет Банја Лука, Банја Лука,
ISBN: 978-99976-43-18-6

2. Радови објављени у научним часописима међународног значаја; научна критика; уређивање часописа

2.1. Рад у врхунском међународном часопису – М21

Објављени након одлуке Научног већа Института за физику о предлогу за стицање претходног научног звања (8 × 8 = 64)

5. A.A. Mihajlov, Z.G. Djuric, V.M. Adamyan, N.M Sakan (2001): High-frequency characteristics of weakly and moderately non-ideal plasmas in an external electric field. Journal of Physics D-Applied Physics, 34 (21), 3139-3144.

Импакт фактор: **1,260 (2001)**

Област: Physics, Applied

6. A.A. Mihajlov, A.M. Ermolaev, Lj.M. Ignjatovic, N.M Sakan (2004): Radiative charge exchange in ion-atom collisions at intermediate impact velocities: spectral characteristics and possibilities of experimental studies, Journal of Physics B-Atomic Molecular and Optical Physics, 37 (18), 3563-3569.

Импакт фактор: **1,761 (2001)**

Област: Optics

7. V.M. Adamyan, Z.G. Djuric, A.A. Mihajlov, N.M. Sakan, I.M. Tkachenko (2004): Dynamic characteristics of non-ideal plasmas in an external high frequency electric field. Journal of Physics D-Applied Physics, 37 (14), 1896-1903.

Импакт фактор: **1,642 (2004)**

Област: Physics, Applied

8. V.M. Adamyan, D. Grubor, A.A. Mihajlov, N.M. Sakan, V.A. Sreckovic, I.M. Tkachenko (2006): Optical HF electrical permeability, refractivity and reflectivity of dense non-ideal plasmas. Journal of Physics A-Mathematical and General, 39 (17), 4401-4405.

Импакт фактор: **1,566 (2006)**

Област: Physics, Multidisciplinary

9. I.M. Tkachenko, V.M. Adamyan, A.A. Mihajlov, N.M. Sakan, D.M. Sulic, V.A. Sreckovic (2006): Electrical conductivity of dense non-ideal plasmas in external HF electric field. Journal of Physics A-Mathematical and General, 39 (17), 4693-4697.

Импакт фактор: **1,566 (2006)**

Област: Physics, Multidisciplinary

10. A.A. Mihajlov, Lj.M. Ignjatovic, N.M. Sakan, M.S. Dimitrijevic (2007): The influence of H-2(+)-photo-dissociation and (H+H+)-radiative collisions on the solar atmosphere opacity in UV and VUV regions, Astronomy & Astrophysics, 469 (2), 749-754.

Импакт фактор: **4,259 (2007)**

Област: Physics, Applied

11. S. Jovicevic, N.M. Sakan, M.R. Ivkovic, N.M. Konjevic (2009): Spectroscopic study of hydrogen Balmer lines in a microwave-induced discharge. Journal of Applied Physics, 105 (1), (<http://dx.doi.org/10.1063/1.3046587>)

Импакт фактор: **2,072 (2009)**

Област: Physics, Applied

12. Lj.M. Ignjatovic, A.A. Mihajlov, N.M. Sakan, M.C. Dimitrijevic, A. Metropoulos (2009): The total and relative contribution of the relevant absorption processes to the opacity of DB white dwarf atmospheres in the UV and VUV regions, 6. Monthly Notices of the Royal Astronomical Society, 396 (4), 2201-2210.

Импакт фактор: **5,103 (2009)**

Област: Astronomy & Astrophysics

Објављени након одлуке Научног већа Института за физику о предлогу за стицање претходног научног звања* ($5 \times 8 = 40$, односно нормирано 38.67)

*13. A.A. Mihajlov, N.M. Sakan, V.A. Srećković, Y. Vitel (2011): Modeling of the continuous absorption of electromagnetic radiation in dense partially ionized plasmas. Journal of Physics A: Mathematical and Theoretical 44, 095502 (17pp)

Импакт фактор: **1,564 (2009)**

Област: Physics, Mathematical и Physics, Multidisciplinary

*14. N. Konjević, M. Ivković, N. Sakan (2012). Hydrogen Balmer lines for low electron number density plasma diagnostics (Review). Spectrochimica Acta Part B 76, 16-26. (*pregledni članak*)

Импакт фактор: **3.552 (2010)**

Област: Physics, Mathematical и Physics, Multidisciplinary

*15. S. Sakan, A. Popović, S. Škrivanj, N. Sakan, D. Đorđević (2016) Comparison of single extraction procedures and the application of an index for the assessment of heavy metal bioavailability in river sediments. Environmental Science and Pollution Research, 23 (21), 21485-21500, DOI 10.1007/s11356-016-7341-6)

Импакт фактор: **2.828 (2014)**

Област: Environmental Sciences

*16. Srećković V. A., Sakan N., Šulić D., Jevremović D., Ignjatović Lj. M. and Dimitrijević M. S. (2018) Free-free absorption coefficients and Gaunt factors for dense hydrogen-like stellar plasma. Monthly Notices of the Royal Astronomical Society, 475 (1), 1131-1136 <http://dx.doi.org/10.1093/mnras/stx3237>; **норм. 6.67**

Импакт фактор: **5.194 (2017)**

Област: Astronomy & Astrophysics

*17. Simić Z., Sakan N. (2020) The electron-impact broadening of the Nb III for 5p-5d transitions. Monthly Notices of the Royal Astronomical Society, 491 (3), 4382-4386 .

Импакт фактор: **5.356 (2020)**

Област: Astronomy & Astrophysics

2.2. Рад у истакнутом међународном часопису – М 22

Објављени пре претходног избора у звање (2 × 5 = 10, односно нормирано 9,17)

18. V.M. Adamyan, A.A. Mihajlov, N.M. Sakan, V.A. Sreckovic, I.M. Tkachenko (2009): The dynamic conductivity of strongly non-ideal plasmas: is the Drude model valid? Journal of Physics A-Mathematical and Theoretical, 42, doi: 10.1088/1751-8113/42/21/214005

Импакт фактор: **1.577 (2009)**

Област: Physics, Mathematical и Physics, Multidisciplinary

19. Y. N. Gnedin, A.A. Mihajlov, Lj.M. Ignjatović, N.M. Sakan, V.A. Srećković, M.Y. Zakharov, N.N. Bezuglov, A.N. Klycharev (2009): Rydberg atoms in astrophysics. New Astronomy Reviews, 53 (7-10), 258-265. **норм. 4.17**

Импакт фактор: **1.080 (2007)**

Област: Astronomy & Astrophysics

Објављени након одлуке Научног већа Института за физику о предлогу за стицање претходног научног звања (6 × 5 = 30)

*20. S. Sakan, G.Dević, D. Relić, I. Anđelković, N. Sakan, D. Đorđević (2014): Risk assessment of trace element contamination in river sediments in Serbia using pollution indices and statistical methods: a pilot study. Environmental Earth Sciences 73, 6625-6638

Импакт фактор: **1.765 (2014)**

Област: Environmental Sciences, Geosciences, Multidisciplinary и Water Resources

*21. S. Sakan, G. Dević, D. Relić, I. Anđelković, N. Sakan, D. Đorđević (2015): Environmental assessment of heavy metal pollution in freshwater sediment, Serbia. Clean - Soil, Air, Water 43, 838-845.

Импакт фактор: **1.945 (2014)**

Област: **Environmental Sciences 100/223 (M22); Water Resources 23/83 (M21)**

*22. S. Sakan, G. Dević, D. Relić, I. Anđelković, N. Sakan, D. Đorđević (2015): Evaluation of sediment contamination with heavy metals: the importance of determining appropriate background content and suitable element for normalization. Environmental Geochemistry and Health 37, 97-113

Импакт фактор: **2.566 (2014)**

Област: **Environmental Sciences 70/223 (M22); Water Resources 12/83 (M21)**

*23. Sakan S, Sakan N., Anđelković, I., Trifunović, S., Đorđević, D. (2017) Study of potential harmful elements (arsenic, mercury and selenium) in surface sediments from Serbian rivers and artificial lakes. Journal of Geochemical Exploration 180, 24-34

Импакт фактор: **2.858 (2017)**

Област: Geochemistry & Geophysics

*24. S. Sakan, N. Sakan, A. Popović, S. Škrivanj, D. Đorđević (2019) Geochemical fractionation and assessment of probabilistic ecological risk of potential toxic elements in sediments using Monte Carlo Simulations. Molecules 24, 2145; doi:10.3390/molecules24112145

Импакт фактор: **3.098 (2017)**

Област: Chemistry, Multidisciplinary

*25. S. Sakan, S. Frančišković-Bilinski, D. Đorđević, A. Popović, N. Sakan, S. Škrivanj, H. Bilinski (2021) Evaluation of Element Mobility in River Sediment Using Different Single Extraction Procedures and Assessment of Probabilistic Ecological Risk. Water 13, 1411.

Импакт фактор: **3.103 (2020)**

Област: **Environmental Science 135/274 (M22)**

2.3. Рад у међународном часопису – M23

Објављени након одлуке Научног већа Института за физику о предлогу за стицање претходног научног звања (6 × 3 = 18, односно нормирано 17,5)

*26. A.A. Mihajlov, N.M. Sakan, V.A. Srećković, Y. Vitel (2011): Modeling of the continuous absorption of electromagnetic radiation in dense hydrogen plasma. Baltic Astronomy 17, 1-6

Импакт фактор: **1.032 (2009)**

Област: Astronomy & Astrophysics

*27. S.M. Sakan, N.M. Sakan, D.S. Đorđević (2013): Trace element study in Tisa River and Danube alluvial sediment in Serbia. International Journal of Sediment Research 28, 234-245.

Импакт фактор: **1.082 (2011)**

Област: **Environmental Science 138/205 – (M23); Water Resources 40/78 (M22)**

*28. A.A. Mihajlov, V.A. Srećković, Lj.M. Ignjatović, A.N. Klyucharev, M.S. Dimitrijević, N.M.Sakan (2015): Non-elastic processes in atom Rydberg-atom collisions: review of art and problems. Journal of Astrophysics and Astronomy 36, 623-634; **норм. 2.50**

Импакт фактор: **0.711 (2014)**
Област: Astronomy & Astrophysics

*29. A.A. Mihajlov, V.A. Srećković, N.M. Sakan (2015): Inverse Bremsstrahlung in astrophysical plasmas: the absorption coefficients and Graunt factors. Journal of Astrophysics and Astronomy 36, 635-642 (pregledni članak)

Импакт фактор: **0.711 (2014)**
Област: Astronomy & Astrophysics

*30. M.A. Boulahlib, M. Milinović, M. Bendjaballah, O. Jeremić, N.M. Sakan (2017): Software/hardware design of decision-making controllers for object navigation in horizontal plane. Technical Gazette 30(3), 307-314. DOI: 10.17559/TV-20160408195923

Импакт фактор: **0.686 (2017)**
Област: Engineering, Multidisciplinary

*31. M. S. Dimitrijević, V. A. Srećković, N. M. Sakan, N. N. Bezuglov, A. N. Klyucharev (2018) Free-Free Absorption in Solar Atmosphere, Geomagnetism and Aeronomy, 2018, Vol. 58, No. 8, pp. 1067–1072, (IF=0.555) DOI: 10.1134/S0016793218080054

Импакт фактор: **0.555 (2017)**
Област: Geomagnetism and Aeronomy

3. Предавање по позиву са међународног скупа штампано у целини - M31

Објављени након одлуке Научног већа Института за физику о предлогу за стицање претходног научног звања ($1 \times 3,5 = 3,5$) од тога

*32. N.M. Sakan, Z. Simić (2021). The introduction of more complex atoms in a cut-off Coulomb model potential, the Ar I model. Proceedings of the XIII Belarusian-Serbian Symposium "Physics and diagnostic of laboratory and astrophysical plasmas" PDP-13, December 13-17, 2021. Minsk, Belarus, 38-41

4. Предавање по позиву са међународног скупа штампано у изводу – M32

Објављени пре претходног избора у звање ($1 \times 1,5 = 1,5$)

33. N.M. Sakan, V.A. Sreckovic, V.M. Adamyan, I.M. Tkachenko, A.A. Mihajlov (2007): The methods for determination of HF characteristics of nonideal plasma. VI Serbian-Belarus Symp. Plasma, Belgrade, Serbia, 22-25 August 2006. Eds. M. Ćuk, M.S. Dimitrijević, J. Purić, N. Milovanović Publ. Astron. Obs. Belgrade No. 82, 171-181

Објављени након одлуке Научног већа Института за физику о предлогу за стицање претходног научног звања ($1 \times 1,5 = 1,5$)

*34. N.M. Sakan (2010). The calculation of the photo absorption processes in dense hydrogen plasma with the help of Cut-off Coulomb potential model. 25th Summer School and International Symposium on the Physics of Ionized Gases—SPIG 2010. Published in Journal of Physics: Conference Series 257, 012036 (doi:10.1088/1742-6596/257/1/012036)

5. Саопштење са међународног скупа штампано у целини – M33

Објављени пре претходног избора у звање (10 × 1 = 10)

35. N.M. Sisovic, B. Kantar, N.M. Sakan, M. Platisa (2002) The determination of isotope composition of inert gas plasma by the deconvolution of Fabry-Perot interferograms, APPLIED PHYSICS IN SERBIA-APS, Belgrade, 27-29. May, 151-154 (Proceedings Paper)

36. V.M. Adamyan, A.A. Mihajlov, N.M. Sakan, V.A. Srećković, I.M. Tkachenko (2004): The modified RPA conductivity of dense two-component strongly ionized plasma, 22nd SPIG

37. N.M. Sakan, A.A. Mihajlov (2004): The calculation of optical properties of dense hydrogen plasma on the basis of cut-off Coulomb potential, 22nd SPIG

38. N.M. Sakan, V.A. Srećković, A.A. Mihajlov (2005): The application of the cut-off Coulomb potential for the calculation of a continuous spectra of dense hydrogen plasma, 5th SCSSA, Vršac, Serbia, June -6-10. Mem. S.A.It. Suppl. Vol. 7, 221

39. S. Jovičević, N. Sakan, M. Ivković, N. Konjević (2006): Excess broadening of a hydrogen Balmer lines in a microwave induced discharge, 23rd SPIG, 2006

40. V.M. Adamyan, A.A. Mihajlov, N.M. Sakan, V.A. Srećković, I.M. Tkachenko (2006): The conductivity of extremely dense fully ionized hydrogen plasmas in an external HF electric field, 23rd SPIG, 2006

41. Mihajlov Anatolij A, Sakan Nenad M, Srećkovic Vladimir A (2007) The modeling of the continuous emission spectrum of a dense non-ideal plasma in optical region, 6th SCSSA Sremski Karlovci, Serbia, June 11-15, str. 262-267 (Proceedings Paper)

42. N.M. Sakan, V.A. Srećkovic, V.M. Adamyan, I.M. Tkachenko, A.A. Mihajlov (2007) The methods for determination of HF characteristics of non-ideal plasma. PDP Symp. On Phys. And Diagn. Of Lab. & Astrophys. Plasma, belgrade, serbia, 22-25 August 2006 (Eds. M. Ćuk, MS Dimitrijević, J. Purić, N.Milovanović), Publ. Astron. Obs. Belgrade No 82 (2007), p.171-181

43. N.M. Sakan, A.A. Mihajlov, V.A. Srećkovic (2007): Cut-off Coulomb Potential As A Model Potential For Dense Hydrogen Plasma Free-free And Bond-free Photoabsorption Calculations, XVIIITH SYMPOSIUM ON PHYSICS OF SWITCHING ARC, VOL 1: CONTRIBUTED PAPERS, September 10-13, str. 185-188 (Proceedings Paper)

44. I.M. Tkachenko, V.M. Adamyan, N.M. Sakan, A.A. Mihajlov, V. Srećković (2008) The HF characteristics of strongly non ideal plasma in an external HF electric field. PDP Symposium on Physics and Diagnostic of Laboratory and Astrophysical Plasma, Minsk, Belorussia

Објављени након одлуке Научног већа Института за физику о предлогу за стицање претходног научног звања (10 × 1 = 10; норм. = 9,833)

*45. Lj.M. Ignjatović, A.A. Mihajlov, A. Metropoulos, N. M. Sakan, M.S. Dimitrijević (2010). The contribution of the absorption processes to the opacity of DB white dwarf atmospheres in UV and VUV regions. AIP Conference Proceedings 1203, 121-126 (7th International Conference of the Balkan Physical Union; Alexandroupolis; Greece; 9 September 2009 through 13 September 2009; Code 79345)

*46. N. M. Sakan, A. A. Mihajlov, V. A. Srećković (2014): Inverse Bremsstrahlung absorption coefficients for dense hydrogen plasma in cut-off Coulomb potential model. str. 513-516. 27th Summer School and International Symposium on the Physics of Ionized Gases. August 26-29, Belgrade, Serbia

*47. S. Marković, M. Milinović, N. Sakan (2014): Software and hardware simulator for the discrete multi-parametric decision flight system. 6th International Scientific Conference of Defensive technologies, OTEH 2014, Belgrade, Serbia, 9-10. October 2014

*48. S. Sakan, D. Đorđević, N. Sakan (2015) Assessment of pollution with toxic elements in river sediments by calculating factors of contamination and application of statistical methods. Izazovi razvoja do 2020. Godine. Međunarodna naučna konferencija. Maj 2015, štampano u tematskom broju Svaroga, časopisa za društvene i prirodne nauke

*49. N. M. Sakan, V. A. Srećković, A. A. Mihajlov (2016): Bond-bound state transitions in the frame of Coloumb cut-off model potential. 28th Summer School and International Symposium on the Physics of Ionized Gases. Aug. 29-Sep.2, Belgrade, Serbia, Book of Contributed Papers & Abstracts of Invited Lectures and Progress Reports (Eds. Dragana Marić, Aleksandar R. Milosavljević, Bratislav Obradović and Goran Poparić) p. 425-428 ISBN 978-86-84539-14-6
<http://spig2016.ipb.ac.rs/spig2016-book-online.pdf>

*50. S. Marković, M. Milinović, N. Sakan (2016): Strategy implementation of dual-semi-active radar homing guidance with coupling of tandem guided and leading missile of air defence missile system on real maneuvering target. 7th International scientific conference on defensive technologies OTEH 2016, Belgrade, Serbia, 6-7. October 2016

*51. A A Mihajlov, V A Srećković, N M Sakan, Lj M Ignjatovic, Z Simic and M S Dimitrijevic The inverse bremsstrahlung absorption coefficients and Gaunt factors in astrophysical plasmas 23rd ICSLS, Torun, 2017 Journal of Physics: Conference Series, Volume 810, Number 1 012058(4pp), doi:10.1088/1742-6596/810/1/012059 **норм. 0.833**

*52. Nenad M. Sakan, Vladimir A. Srećković, Zoran J. Simić and Milan S. Dimitrijević Photoabsorption Cross Section of a Dense Hydrogen Plasma, Model Method, 29 Summer School and International Symposium on the Physics of Ionized Gases: SPIG, Belgrade, August 2018, Book of Contributed Papers & Abstracts of Invited Lectures and Progress Reports (Eds G. Poparić, B. Obradović, D. Borka and M. Rajković), p. 297-300, ISBN 978-86-7306-146-7,
<http://spig2018.ipb.ac.rs/SPIG2018book-online.pdf>

*53. Nenad M. Sakan, Vladimir A. Srećković, Zoran J. Simić and Milan S. Dimitrijević. The work on inclusion of the bound-bound optical transition process within the frame of the cut-off coulomb potential model – main numerical error sources, August 2018, Conference XII PDP: Belgrade, Serbia 27-31 August 2018, p.75-78, ISBN: 978-86-84539-21-4

*54. Nenad M. Sakan, Zoran J. Simić. Numerov method analysis with a goal of application of complex plasma models, Contributed papers & abstracts of invited lectures and progress reports, 99, pp. 311 - 314, 0373-3742, 978-86-80019-94-9, Šabac, 24. Aug - 28. Apr, 2020

6. Саопштење са међународног скупа штампано у изводу – М34

Објављени пре претходног избора у звање ($9 \times 0,5 = 4,5$)

55. A. Mihajlov, N. Sakan (2003): Modelling of the optical spectrum of absorption for the non ideal hydrogen or quasi-hydrogen plasma within cut-off coulomb potential approximation, IV SERBIAN CONFERENCE ON SPECTRAL LINE SHAPES (IV SCSLS), 10-15 October, Arandjelovac, Serbia, 45-45 (Proceedings Paper)

56. I.M. Tkachenko, V.M. Adamyan, A.A. Mihajlov, N.M. Sakan, D. Šulić, V.A. Sreckovic (2005) Electrical conductivity of dense non-ideal plasmas in external HF electric field. International Conference on Strongly Coupled Coulomb Systems. Moscow, Russia. Book of Abstracts, p.93

57. V.M. Adamyan, Grubor D, A.A. Mihajlov, N.M. Sakan, V.A. Sreckovic, I.M. Tkachenko (2005) Optical HF electrical permeability, refractivity and reflectivity of dense non-ideal plasmas. International Conference on Strongly Coupled Coulomb Systems. Moscow, Russia. Book of Abstracts, p.93

58. N.M. Sakan, A.A. Mihajlov, V.A. Sreckovic (2006) Dynamic conductivity of extremely dense plasmas. Twelfth Conference on Physics of non-ideal plasmas (PNP12); Darmstadt, Germany

59. V.A. Sreckovic, I.M. Tkachenko, V.M. Adamyan, N.M. Sakan, D. Šulić, A.A. Mihajlov (2007) Electrical conductivity of strongly non-ideal plasma in external HF electric field. SCCS 2008. International Conference on strongly coupled Coulomb Systems. Camerino Italy, Book of Abstracts p.15

60. V.A. Sreckovic, V.M. Adamyan, A.A. Mihajlov, N.M. Sakan, I.M. Tkachenko (2007) High-frequency characteristics of strongly non-ideal plasma in external HF electric field. SCCS 2008. International Conference on strongly coupled Coulomb Systems. Camerino Italy, Book of Abstracts p.15

61. Srećković V.A., Tkachenko I.M., Adamyan V.M., Sakan N.M., Šulic D., Mihajlov A.A. Electrical conductivity of strongly non-ideal plasma in external HF electric field. SCCS2008, International Conference on Strongly Coupled Coulomb Systems; 2008; Camerino Italy, Book of Abstracts p.15

62. N.M. Sakan, A.A. Mihajlov, Lj.M. Ignjatović, V.A. Srećković (2009): The modeling of continuous absorption spectra of dense hydrogen plasma on the base of the cut-off Coulomb potential. PNP 13, Moscow, Chernogolovka, Russia, September 13-18

63. Lj.M. Ignjatović, A.A. Mihajlov, N. M. Sakan, V. A. Srećković, M.S. Dimitrijević, D. Jevremović (2009) The chemi-ionization processes in the solar photosphere (IL) VII SCSSA, Conference on spectral line shapes in astrophysics; Zrenjanin, Serbia. Book of Abstracts, p.18

Објављени након одлуке Научног већа Института за физику о предлогу за стицање претходног научног звања ($13 \times 0,5 = 6,5$; норм. = 6,357)

*64. N. M. Sakan, M. Ivković, J.D. Drake, S. Popović, L. Vuskovic (2010): Flowing discharges in Ar-H₂ mixtures. 20th ESCAMPING, 13-17 July, Novi Sad, Serbia, P3.39

*65. Mihajlov A.A., Sakan N.M., Srećković V.A., Vitel Y.V. (2011) The modeling of the continuous absorption of EM radiation in hydrogen plasmas with electron densities about 5 10¹⁸ cm³ - 1.5 10¹⁹cm³ and temperatures about 1.6 10⁴ K - 2.5 10⁴ K. VIII SCSSA, Conference on spectral line shapes in astrophysics 6-10 June 2011, Divcibare, Serbia Book of Abstracts, (Eds L.C Popovic, D Jevremovic and D Ilic) Astronomical Observatory Belgrade 2011. p. 56. ISBN 978-86-80019-44-4

*66. N. Sakan (2014): HF characteristics of the astrophysical plasmas of the astrophysical plasmas. XVII National Conference of astronomers of Serbia. str. P.85 23-27 September 2014, Belgrade, Serbia

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** радови објављени након одлуке Научног већа Института за физику о предлогу за стицање претходног научног звања (2010)*

*** радови објављени у претходних 10 година*

Импакт фактори часописа у којима су публиковани радови

Целокупна истраживачка каријера: **60,492**

Након одлуке Научног већа Института за физику о предлогу за стицање претходног научног звања: **38,776**