

Doktorand / datum odbrane	Naziv doktorske disertacije	Komisija za odbranu	Naučni radovi
2026.			
Suzana Miladić 23. 07. 2026.	"Quantum Monte Carlo Study of Polaron Mobility"	prof. dr Đorđe Spasojević prof. dr Božidar Nikolić dr Veljko Janković	1. S. Miladić and N. Vukmirović, Method for obtaining polaron mobility using real and imaginary time path-integral quantum Monte Carlo, Phys. Rev. B 107, 184315 (2023). DOI: 10.1103/PhysRevB.107.184315 Категорија M21, ИФ2023 = 3,2 (10 цитата према бази Scopus) 2. S. Miladić and N. Vukmirović Identification of the transport regimes of the one- dimensional Holstein model, Phys. Rev. B 112, 054314 (2025). DOI: 10.1103/t1g7-r95d Категорија M21, ИФ2024 = 3,7 (8 цитата према бази Scopus)
Milica Nedić 17. 07. 2026.	"Nastanak i dinamika topološki zaštićenih moda u fotonskim rešetkama"	prof. dr Svetislav Mijatović prof. dr Tatjana Vuković prof. dr Saša Dmitrović dr Stefan Graovac dr Goran Gligorić	[1] M. Nedić, G. Gligorić, J. Petrovic, and A. Maluckov, "Nonlinearity and lasing topological zero-mode in distorted photonic lattice", Phys. Lett. A 477, 128893 (2023). [2] M. Nedić, G. Gligorić, J. Petrovic, and A. Maluckov, "Zero-mode diversity in photonic graphene with vortex distortion: nonlinear response and driving", Opt. Quantum Electron. 56, 1183 (2024).

Olivera Jovanović 2. 07. 2026.	"Plazma mlaz sa šiljastom elektrodom – karakterizacija i primene u tretmanima tečnih uzoraka"	prof. dr Bratislav Obradović dr Goran Sretenović dr Nevena Puač	A1] Olivera Jovanović, Nevena Puač, and Nikola Škoro A comparison of power measurement techniques and electrical characterization of an atmospheric pressure plasma jet, Plasma science and technology, 24(10), 105404 (12pp), 2022, IOP Publishing Ltd ISSN: 1009-0630, DOI: 10.1088/2058-6272/ac742b, Категорија: M22 (IF: 1.7) [2] [A2] Amit Kumar, Nikola Škoro, Wolfgang Gernjak, Olivera Jovanović, Anđelija Petrović, Suzana Živković, Elisabeth Cuervo Lumbaque, Maria José Farré, and Nevena Puač Degradation of diclofenac and 4-chlorobenzoic acid in aqueous solution by cold atmospheric plasma source Science of the Total Environment, 864, 161194 (13pp), 2023, Elsevier B.V. ISSN: 00489697, 18791026, DOI: 10.1016/j.scitotenv.2022.161194, Категорија: M21a+ (IF: 8.6)
Miroslav Petroski 1. 07. 2026.	"Kontrolisana fragmentacija Beselovih zraka u nelinearnim sredinama"	prof. dr Dušan Spasojević prof. dr Sunčica Elezović-Hadžić dr Dejan Timotijević	1. M. M. Petroski, D. V. Timotijević, D. M. Jović Savić, and J. M. Vasiljević, "Head-on excitation of tilted solitons by fragmented Bessel beams", Chaos Solitons and Fractals 202, 117434 (2026). DOI: 10.1002/adom.201701355. (ISSN: 0960-0779, IF: 5.6, 2 цитата) [2] 2. J. M. Vasiljević, M. M. Petroski, D. V. Timotijević, and D. M. Jović Savić, "Surface-distributed twisted beams nonlinearly induced by nondiffracting beams", ASC Applied Optical Materials, 4, 352, (2026) DOI: 10.1021/acsaom.5c00466 (ISSN: 2771-9855, IF:3.8)

Dušan Žigić 23. 06. 2026.	"Razvoj DREENA modela za tomografiju kvark gluonske plazme"	prof. dr Maja Burić prof. dr Voja Radovanović dr Bojana Ilić	[1] M. Djordjevic, D. Zigic, M. Djordjevic and J. Auvinen, How to test path-length dependence in energy loss mechanisms: analysis leading to a new observable, Phys. Rev. C 99, no.6, 061902 B2019) BISSN: 2469-9985, IF = 3.3) [2] D. Zigic, I. Salom, J. Auvinen, M. Djordjevic and M. Djordjevic, DREENA-B framework: first predictions of RAA and v2 within dynamical energy loss formalism in evolving QCD medium, Phys. Lett. B 791 B2019), 236-241 BISSN: 0370-2693, IF = 4.4)
Milica Tošić 10. 06. 2026.	"Uticaj klimatskih promena na ekstremne vremenske i klimatske događaje u Srbiji analizom kompozitnih indeksa i primenom storilajn metode"	prof.dr Ivana Tošić doc. dr Suzana Putniković prof. dr Mirjam Vujadinović Mandić	[1] Tošić, I., Tošić, M., Lazić, I., Aleksandrov, N., Putniković, S. and Djurdjević, V., 2023. Spatio-temporal changes in the mean and extreme temperature indices for Serbia. International Journal of Climatology, 43(5), pp.2391-2410. doi: 10.1002/joc.7981 (Категорија часописа је M21, Print ISSN: 0899-8418, Online ISSN: 1097-0088, импакт фактор 4,7) [2] Tošić, M., Tošić, I., Lazić, I. and Djurdjević, V., 2025. Reconstructing and Projecting 2012-like Drought in Serbia Using the Max Planck Institute Grand Ensemble. Atmosphere, 16(6), p.668. doi: 10.3390/atmos16060668 (Категорија часописа је M22, ISSN: 2073-4433, импакт фактор: 3,0)

Dušan Đorđević 14. 05. 2026.	"Holografska razmatranja na Riman-Kartanovom prostor-vremenu"	prof. dr Maja Burić prof. dr Voja Radovanović prof. dr Marija Dimitrijević Ćirić dr Branislava Cvetković dr Mihailo Čubrović	[1] D. Đorđević and D. Gočanin, Holographic aspects of even-dimensional topological gravity, Phys. Rev. D 108 (8) (2023) 086022. DOI: 10.1103/PhysRevD.108.08602 [2] D. Đorđević and D. Gočanin, Boundary terms, branes, and AdS/BCFT duality in first-order gravity, Phys. Rev. D 109 (8) (2024) 086026. DOI: 10.1103/PhysRevD.109.086026
Lazar Marković 12. 03. 2026.	"Merenje trostruke samointerakcije Higsovog bozona u kanalu raspada na četiri leptona eksperimentom CMS"	doc. dr Vukašin Milošević doc. dr Nikola Konjik dr Roberto Covarelli dr Nicola Amapane	[1] Luka Rajačić, Nikodin V. Nedić, Dejan Dojić, Miloš Skočić, Srdjan Bukvić, Saha–Boltzmann method in plasma diagnostics: What can we obtain from a strict approach?, Journal of Quantitative Spectroscopy and Radiative Transfer, 2025. [M21] https://doi.org/10.1016/j.jqsrt.2024.109338 [2] Nikodin V. Nedić, Srdjan Bukvic, Dejan Dojic, Luka Rajačić and Miloš Skočić, Observation of Blackbody-Like emission from laser induced plasma at early times and implications to thermal equilibrium, Plasma Sources Science and Technology, 2022. [M21A] https://doi.org/10.1088/1361-6595/ac8e94

Pavle Stipsić 27. 02. 2026.	"Simetrije u višim gradijentnim temama"	prof. dr Marija Dimitrijević Ćirić doc.dr Dragoljub Gočanin dr Igor Prlina	[1] S. Miladić, P. Stipsić, E. Dobardžić i M. Milivojević, "Electrical control of a spin qubit in InSb nanowire quantum dots: Strongly suppressed spin relaxation in high magnetic field", Phys. Rev. B 101, 155307 (2020). [DOI: 10.1103/PhysRevB.101.155307] [arXiv:1911.07942] [M21, IF=4.036] [2] P. Stipsić i M. Milivojević, "Control of a spin qubit in a lateral GaAs quantum dot based on symmetry of gating potential", Phys. Rev. B 101, 165302 (2020). [DOI: 10.1103/PhysRevB.101.165302] [arXiv:2001.03900] [M21, IF=4.036]
Veljko Maksimović 12. 02. 2026.	"Fizika W bozona i kalibracija luminoznosti na eksperimentu ATLAS"	prof. dr Maja Burić doc. dr Duško Latas dr Marija Vranješ Milosavljević	1] 1. G. Aad,...,Veljko Maksimović, et al. "Measurement of the ttbar cross section and its ratio to the Z production cross section using pp collisions at $\sqrt{s}$=13.6 TeV with the ATLAS detector", Phys. Lett. B 848 (2024); ISSN: 0370-2693; IF: 4.5 [2] 2. G. Aad,...,Veljko Maksimović, et al. "Measurement of vector boson production cross sections and their ratios using pp collisions at $\sqrt{s}$=13.6 TeV with the ATLAS detector", Phys. Lett. B 854 (2024); ISSN: 0370-2693; IF: 4.5

2025.			
Bojana Brkić 28. 10. 2025.	"Kosmološki modeli na nekomutativnim prostorima"	prof. dr Maja Burić prof. dr Marija Dimitrijević Ćirić dr Branislav Cvetković	[1] B. Brkic, M. Buric and D. Latas, "Laplacian on fuzzy de Sitter space", Class. Quantum Grav. 39 (2022) 115001 DOI: 10.1088/1361-6382/ac613, ISSN: 0264-9381, IF 3.6. [2] B. Brkic, I. Buric, M. Buric, D. Latas, "Quantum scalar field on fuzzy de Sitter space. Part I. Field modes and vacua", JHEP 10 (2024), 018, DOI: 10.1007/JHEP10(2024)018, ISSN: 1029-8479, IF 9.5.
Milica Milojević 23. 07. 2025.	"Uticaj magentnog polja na rast kristala natrijum hlorata"	doc. dr Branislava Vučetić prof. dr Sunčica Elezović-Hadžić prof. dr Dragana Malivuk Gak	1. Milojevic, M. M., Vucetic, B. M., Maksimović, B. Z., Klisurić, O. R., Mitrovic, M. M., & Žekić, A. A. (2022). Influence of a Static Magnetic Field on the 100 Growth Rates of Sodium Chlorate Crystals from Aqueous Solution. ACS omega, 7(51), 47701-47708. (ISSN: 2470-1343; IF: 4.1) 2. Milojević, M. M., Žekić, A. A., Maksimović, B. Z., Vučetić, B. M., & Mitrović, M. M. (2024). Influence of magnetic field on growth kinetics of sodium chlorate crystals from aqueous solution. Journal of Crystal Growth, 642, 127776. (ISSN: 0022-0248; IF: 1.7)

Irida Lazić 14. 07. 2025.	"Uzroci i moguća rešenja za smanjenje sistematske greške prouzrokovane interakcijom između atmosfere i tla u višegodišnjim integracijama regionalnog klimatskog modela u oblasti Centralne Evrope"	prof. dr Ivana Tošić doc. dr Suzana Putniković prof. dr Mirjam Vujadinović Mandić	1. Lazić, I., Tošić, M., & Djurdjević, V. (2021). Verification of the EURO-CORDEX RCM historical run results over the Pannonian basin for the summer season. <i>Atmosphere</i>, 12(6), 714. https://doi.org/10.3390/atmos12060714 (Категорија часописа је M22, импакт фактор је 3,222) 2. Lazić, I., Djurdjević, V., Tošić, I., & Tošić, M. (2025). Impact of soil texture in coupled regional climate model on land-atmosphere interactions. <i>Theoretical and Applied Climatology</i>, 156(3), 165. https://doi.org/10.1007/s00704-025-05393-3 (Категорија часописа је M22, импакт фактор је 3,1)
Andrijana Šolajić 14. 07. 2025.	"Ispitivanje uticaja naprezanja na osobine heterostruktura dvodimenzionalnih monohalkogenida IIIA grupe ab-initio metodama"	prof. dr Božidar Nikolić prof. dr Đorđe Spasojević prof. dr Slavica Maletić dr Željko Šljivančanin dr Vladimir Damljanović	1. A. Šolajić, J. Pešić, "Tailoring electronic and optical properties of hBN/InTe and hBN/GaTe heterostructures through biaxial strain engineering", <i>Scientific Reports</i>, 14(1):1081 (2024). M21, ИФ 3.8, 2 цитата 2. A. Šolajić, J. Pešić, "Strain-induced modulation of electronic and optical properties in hBN/InSe heterostructure", <i>Optical and Quantum Electronics</i>, 56(7):1186 (2024). M22, ИФ 3.3
Stevan Pecić 29. 05. 2025.	"Kalibracija radiohroatskog filma zasnovana na gradijentnim radijacionim poljima"	prof. dr Rastko Vasilić prof. dr Zoran Nikolić dr Nebojša Milošević	1. Pecić, S., Belča, I., Stojadinović, S., Nidžović, B., Vičić, M., & Dević, S. (2024). Dynamic range and optimization strategies for radiochromic film calibration using gradient radiation fields. <i>Journal of Applied Clinical Medical Physics</i>. https://doi.org/10.1002/acm2.14481 2. Pecić, S., Vičić, M., Belča, I., Stojadinović, S., Nidžović, B., Kurij, L., & Dević, S. (2023). Physical wedge as a tool for radiochromic film calibration. <i>Zeitschrift für Medizinische Physik</i>. https://doi.org/10.1016/j.zemedi.2023.05.008

Sara Alvašahi 21. 02. 2025.	"Različiti klasteri iznenadnih talasa velike amplitude kod nelinearne Šredingerove jednačine"	prof. dr Milorad Kuraica doc. dr Aleksandra Gočanin dr Aleksandra Strinić	1. Sarah Alwashahi, Najdan B. Aleksić, Milivoj R. Belić, Stanko N. Nikolić: <i>"Kuznetsov–Ma rogue wave clusters of the nonlinear Schrödinger equation"</i>. Nonlinear Dynamics 111, 12495 (2023). Импакт фактор за 2022. годину: 5.6. 2. Stanko N. Nikolić, Sarah Alwashahi, Omar A. Ashour, Siu A. Chin, Najdan B. Aleksić, Milivoj R. Belić: <i>"Multi-elliptic rogue wave clusters of the nonlinear Schrödinger equation on different backgrounds"</i>. Nonlinear Dynamics 108, 479 (2022). Импакт фактор за 2022. годину: 5.6.
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Evelin Bakoš 15. 01. 2025.	"Izučavanje radijativnih raspada W bozona i unapređenje sistema za očitavanje mionskog spektra detektora ATLAS"	prof.dr Maja Burić doc.dr Duško Latas dr Marija Vranješ Milosavljević prof. dr Wim Beenakker prof. dr Antonio Pellegrino dr Mengqing Wu prof. dr Gerco Onderwater dr Nenad Vranješ dr Nicolo de Groot	[1] G. Aad,...,E. Bakos et al. [ATLAS Collaboration], "The ATLAS experiment at the CERN Large Hadron Collider: a description of the detector configuration for Run 3," JINST 19, no.05, P05063 (2024) doi:10.1088/1748- 0221/19/05/P05063 [arXiv:2305.16623 [physics.ins-det]] [2] E. Bakos, N. de Groot and N. Vranjes,"Identifying D Mesons from Radiative W Decays at the Large Hadron Collider," Symmetry 15, no.10, 1948 (2023) doi:10.3390/sym15101948 [arXiv:2207.13587 [hep-ph]]
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Ivan Traparić 18. 10. 2024.	"Primena mašinskog učenja i veštačke inteligencije u spektroskopiji plazme"	prof. dr Bratislav Obradović prof. dr Ivan Dojčinović dr Vladimir Srećković	1. Tapalaga, I., Traparić, I., Trklja Boca, N. <i>et al.</i> <i>Stark spectral line broadening modeling by machine learning algorithms</i>. Neural Comput & Applic 34, 6349–6358 (2022). https://doi.org/10.1007/s00521-021-06763-4 2. Traparić, I., Ivković, M. Determination of austenitic steel alloys composition using laser-induced breakdown spectroscopy (LIBS) and machine learning algorithms. Eur. Phys. J. D 77, 30 (2023). https://doi.org/10.1140/epjd/s10053-023-00608-6
Nikodin Nedić 15. 10. 2024.	"Dijagnostika analitičkih tinjavih pražnjenja metodom optičke emisije spektroskopije"	prof. dr Đorđe Spasojević prof. dr Ivan Videnović prof. dr prof. dr Nikola Konjević doc. dr Miloš Skočić prof. dr Gordana Majstorović	[1] N. V. Nedić, N. V. Ivanović, I. R. Videnović, Dj Spasojević and N. Konjević, Journal of Analytical Atomic Spectrometry, (2022), 37, 1318–1326, https://dx.doi.org/10.1039/D2JA00109H; ISSN: 0267-9477, IF: 4.351, M21, 2 цитата (самоцитати су искључени; извор Scopus) [2] N. V. Nedić, N. V. Ivanović, I. R. Videnović and Dj. Spasojević, Eur. Phys. J. D, (2023), 77, Article number 5, https://doi.org/10.1140/epjd/s10053-022-00587-0; ISSN: 1434-6060, IF: 1.8, M23, 1 цитат (самоцитати су искључени; извор Scopus)

Ana Martinović 13. 09. 2024.	"Termometrija na bazi luminescencije trovalentnog disprozijuma: teorijsko modelovanje termometrijskih performansi"	prof. dr Ivan Belča prof. dr Stevan Stojadinović dr Miroslav Dramićanin	[1] A. Martinović, M.D. Dramićanin, A. Ćirić, Modeling the Performance of Dy3+-Based Boltzmann Thermometers by the Judd–Ofelt Theory, Advanced Theory and Simulations. 5(6) (2022) 2200029. https://doi.org/10.1002/adts.202200029 [2] A. Martinović, B. Milićević, J. Periša, Z. Ristić, S. Stojadinović, M.D. Dramićanin, A. Ćirić, Thermometric Judd-Ofelt model for Dy3+ ion tested in CaYAlO4 host and evaluation of its sensing performances for luminescence thermometry, Physica B: Condensed Matter. 666 (2023) 415096. https://doi.org/10.1016/j.physb.2023.415096
Miloš Mošić 18. 07. 2024.	"Spektrometrijska metoda za određivanje temperature raspodele plamena u blisku infracrvenoj oblasti talasnih dužina"	prof. dr Bečko Kasalica prof. dr Edib Dobardžić doc. dr Milentije Vuković	[1] Milos Masic, Ivan Belca, Milos Vivic, Becko Kasalica, 1D TEMPERATURE TOMOGRAPHY OF A FLAME, BASED ON VIS-NIR SPECTROMETRY, Combustion Science and Technology, (2022), DOI: 10.1080/00102202.2022.2093608 [2] Milos Masic, Edib Dobardzic, Milos Vivic, Becko Kasalica, Mirjana Sarvan, Ivan Belca, 2D temperature tomography of a flame, based on VIS-NIR spectrometry, International Journal of Thermal Sciences 201 (2024) 108991, https://doi.org/10.1016/j.ijthermalsci.2024.108991

Kristina Mojsilović 10. 06. 2024.	"Proces plazmene elektrolitičke oksidacije (PEO) u uslovima niskog i ultra-niskog impulsnog električnog opterećenja"	prof. dr Stevan Stojadinović prof. dr Nenad Tadić dr Nenad Radić	[1] Kristina Mojsilović, Stevan Stojadinović, Rastko Vasilčić, The Plasma Electrolytic Oxidation of Aluminum Using Microsecond-Range DC Pulsing, Metals, 13 (2023) 12: 1931. [2] Kristina Mojsilović, Maria Serdechnova, Carsten Blawert, Mikhail L. Zheludkevich, Stevan Stojadinović, Rastko Vasilčić, In-situ incorporation of LDH particles during PEO processing of aluminium alloy AA2024, Applied Surface Science, 654 (2024) 159450.
Ivan Krstić 22. 04. 2024.	"Višesegmentno Grimovo pražnjenje kao aktivna sredina za lasere na parama metala"	prof. dr Bratislav Obradović dr Goran Sretenović dr Milivoje Ivković	[1] Krstić, Ivan B., Obradović, Bratislav M. and Kuraica, Milorad M., Spatio-temporal dynamics of a microsecond pulsed Grimm-type glow discharge, J. Anal. At. Spectrom. (2023), https://doi.org/10.1039/D3JA00280B [2] Obradovic Bratislav M., Cvetanovic Nikola N., Krstic Ivan B., Kuraica Milorad M., Study of fast atoms in molecular gas plasma via emission spectroscopy, Advances in space research 71 (2023) 2, 1352-1361

Sanja Grujović Zdolšek 13. 03. 2024.	"Duge u transmisiji jona kroz vrlo tanka elektrostatička sočiva"	dr Igor Telečki prof. dr Goran Poparić prof. dr Zoran Nikolić	1. S. Grujović Zdolšek, N. Nešković, I. Telečki, M. Ćosić, Complex and catastrophic ion beam focusing with a very thin electrostatic square rainbow lens, The European Physical Journal Plus, https://doi.org/10.1140/epjp/s13360-022-02686-8 IF 3.4 2. N. Nešković, I. Telečki, M. Ćosić, S. Grujović Zdolšek, P. Beličev, Focusing properties of a very thin electrostatic quadrupole lens, Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, https://doi.org/10.1016/j.nima.2020.164670 IF 1.265
2023.			
Stefan Stojku 22. 12. 2023.	"Određivanje osobina kvark - gluonske plazme pomoću visokoenergijskih čestica"	prof.dr Maja Burić prof.dr Voja Radovanović dr Bojana Ilić	[1] Stefan Stojku, Jussi Auvinen, Lidija Zivkovic, Pasi Huovinen, Magdalena Djordjevic, Jetperceived anisotropy revealed through high-p data, Physics Letters B 835, 137501 (na srpskom2022) (na srpskomISSN: 0370-2693, IF = 3.9) [2] Magdalena Djordjevic, Stefan Stojku, Marko Djordjevic, and Pasi Huovinen, Shape of the quark gluon plasma droplet reflected in the high-p data, Phys. Rev. C 100, 031901(na srpskomR) (na srpskom2019) (na srpskomISSN: 2469-9985, IF = 2.9)

Petar Mitrić 21. 12. 2023.	"Spektralne funkcije i pokretljivost Holštajnovog polarona"	prof. dr Đorđe Spasojević prof. dr Božidar Nikolić dr Antun Balaž	[1] P. Mitrić, V. Janković, N. Vukmirović, and D. Tanasković, Spectral Functions of the Holstein Polaron: Exact and Approximate Solutions, Phys. Rev. Lett. 129, 096401 (2022), M21, DOI: 10.1103/PhysRevLett.129.096401, ISSN: 1079-7114; IF=8.6 [2] P. Mitrić, V. Janković, N. Vukmirović, and D. Tanasković, Cumulant Expansion in the Holstein Model: Spectral Functions and Mobility, Phys. Rev. B 107, 125165 (2023), M22, DOI: 10.1103/PhysRevB.107.125165, ISSN: 2469-9950, IF=3.7
Nora Trklja Boca 15. 11. 2023.	"Magnetoplazmeni kompresor kao izvor plazmenog mlaza za potrebe modifikacije površina materijala"	prof. dr Milorad Kuraica prof. dr Bratislav Obradović dr Milivoje Ivković	[1] „Study of the energy distribution within plasma flow generated by magnetoplasma accelerator“ N. Trklja, P. S. Iskrenović, Ž.Z. Mišković, I.B.Krstić, B.M. Obradović, R.M. Mitrović, M.M. Kuraica and J. Purić Journal of Instrumentation, Volume 14 (2019) ISSN 1748-0221 IF 1.415 (2020) (https://doi.org/10.1088/1748-0221/14/09/C09041) [2] „Effects of high thermal loads produced by interaction of accelerated plasma with steel surfaces (100Cr6, 16MnCr5, 42CrMo4)“ N. Trklja Boca, Ž. Z. Mišković, R. M. Mitrović, B. M. Obradović, M. M. Kuraica Surface and Coatings Technology, Volume 416 (2021) https://doi.org/10.1016/j.surfcoat.2021.127157

Danijel Obrić 18. 09. 2023.	"T-dualizacija bozonske strune i tip IIB superstrune u prisustvu koordinatno zavisnih pozadinskih polja"	prof. dr Maja Burić prof. dr Voja Radovanović dr Branislav Cvetković	1. B. Nikolic, D. Obric, Combined Fermionic and Bosonic T-duality of Type II Superstring Theory with Coordinate Dependent RR Field, Fortsch.Phys. 71 (2023) 1, 2200160. 2. B. Nikolic, D.Obric, Noncommutativity and nonassociativity of type II superstring with coordinate dependent RR field — the general case, JHEP 12 (2022) 078.
Ilija Ivanišević 15. 09. 2023.	"Courant algebroids in bosonic string theory"	prof. dr Maja Burić prof. dr Voja Radovanović dr Bojan Nikolić	1. Lj. Davidović, I. Ivanišević and B. Sazdović "Courant bracket as T-dual invariant extension of Lie bracket" Journal of High Energy Physics 03 (2021) 109, M21, IF 6.376. 2. Lj. Davidović, I. Ivanišević and B. Sazdović "Twisted C-brackets" Fortschritte der Physik 71 (2023), M21, IF 5.532.

Ana Vranić 6. 07. 2023.	"Evolving complex networks: structure and dynamics"	prof. dr Sunčica Elezović- Hadžić doc. dr Svetislav Mijatović dr Antun Balaž	[1] A. Vranić, A.Tomašević, A. Alorić, and M. Mitrović Dankulov, Sustainability of Stack Exchange Q&A communities: the role of trust, EPJ Data Sci. 12, 4 (2023). DOI: doi.org/10.1140/epjds/s13688-023-00381-x; ISSN: 2193-1127; IF(2021) = 3.630 [2] A. Vranić and M. Mitrović Dankulov Growth signals determine the topology of evolving networks, J. Stat. Mech.: Theory Exp. 2021, 013405 (2021). DOI: 10.1088/1742-5468/abd30b; ISSN: 1742-5468; IF(2021) = 2.234
Tijana Radenković 4. 07. 2023.	"Više gradijentne teorije i kvantna gravitacija"	prof. dr Maja Burić prof. dr Voja Radovanović dr Branislav Cvetković	[1] T. Radenković and M. Vojinović, "Higher gauge theories based on 3-groups", JHEP 10, 222 (2019). [DOI: 10.1007/JHEP10(2019)222] [arXiv:1904.07566] [IF=5.875] [11 citata, 6 heterocitata] [2] T. Radenković and M. Vojinović, "Hamiltonian analysis for the scalar electrodynamics as 3BF theory", Symmetry 12, 620 (2020). [DOI: 10.3390/sym12040620] [arXiv:2004.06901] [IF=2.713] [5 citata, 2 heterocitata]

Violeta Stanković 15. 06. 2023.	"Modeliranje interakcije površine celuloznih materijala sa CO2 plazmama"	prof.dr Vladimir Milosavljević prof. dr Bečko Kasalica doc. dr Miroslav Ristić	[1] Violeta V. Stanković, Miroslav M. Ristić, Mirjana M. Vojnović, Muna M. Aoneas and Goran B. Poparić "Ionization and electronic excitation of CO2 in radio-frequency electric field", Plasma Chemistry and Plasma Processing, vol. 40 (2020), br. 6, str. 1621-1637. Doi: https://doi.org/10.1007/s11090-020-10106-x [IF=3.245 (2021)] M21 [2] Mirjana M. Vojnović, Miroslav M. Ristić, Violeta V. Stanković, and Goran B. Poparić "Electron-induced vibrational excitation of CO2 in dc electric and magnetic fields", Physical review E, vol. 9 (2019) br. 6. Doi: https://doi.org/10.1103/PhysRevE.99.063211 [IF=2.537 (2021)] M22
Milivoje Hadžijojić 28. 04. 2023.	"Ispitivanje dvodimenzionalnih kristala korišćenjem efekta duginog rasejanja"	dr Marko Ćosić prof. dr Edib Dobardžić prof. dr Božidar Nikolić	[1] M. Ćosić, M. Hadžijojić, S. Petrović, R. Rymzhanov. Morphological study of the rainbow scattering of protons by graphene. Chaos 31, 093115 (2021). IF: 3.741, DOI: https://doi.org/10.1063/5.0059093 [2] M. Ćosić, M. Hadžijojić, S. Petrović, R. Rymzhanov, S. Bellucci. Investigation of the graphene thermal motion by rainbow Scattering. Carbon 145, 161-174 (2019). IF: 11.307, DOI: https://doi.org/10.1016/j.carbon.2019.01.020

Dragan Prekrat	"Phase Transitions in Matrix Models on the Truncated Heisenberg Space"	prof. dr Voja Radovanović doc. dr Dragoljub Gočanin dr Antun Balaž	[1] D. Prekrat, "Renormalization footprints in the phase diagram of the Grosse-Wulkenhaar model," Phys. Rev. D 104 (2021) 114505, doi:10.1103/PhysRevD.104.114505 (IF=5,407) [2] D. Prekrat, K. N. Todorović-Vasović, and D. Ranković, "Detecting scaling in phase transitions on the truncated Heisenberg algebra," JHEP 03 (2021) 197, doi:10.1007/JHEP03(2021)197 (IF=6,379)
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Jasmina Atić	"Transport elektrona, razvoj lavina i propagacija strimera u jako elektronegativnim gasovima"	dr Saša Dujko prof. dr Goran Poparić prof. dr Đorđe Spasojević	1. J. Mirić, D. Bošnjaković, I. Simonović, Z. Lj. Petrović, S. Dujko, "Electron swarm properties under the influence of a very strong attachment in SF6 and CF3I obtained by Monte Carlo rescaling procedures", Plasma Sources Sci. Technol. 25, 065010 (2016) 2. J. Mirić, I. Simonović, Z.Lj. Petrović, R.D. White, S. Dujko, "Electron transport in mercury vapor: cross sections, pressure and temperature dependence of transport coefficients and NDC effects", Eur. Phys. J. D 71, 289 (2017)
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Stefan Graovac	"Pojava, propagacija i kontrola kritičnih događaja u neuređenim sistemima sa metastabilnom dinamikom"	prof. dr Đorđe Spasojević prof. dr Sunčica Elezović-Hadžić doc. dr Sanja Janičević	1. Mijatović, S., Jovković, D., Janičević, S., Graovac, S., & Spasojević, D. (2021). A tool for identifying the criticality in the disordered systems with metastable dynamics. Physica A: Statistical Mechanics and its Applications, 572, 125883. 2. Graovac, S., Mijatović, S., & Spasojević, D. (2021). Mechanism of subcritical avalanche propagation in three-dimensional disordered systems. Physical Review E, 103(6), 062123.
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Vladimir Lazović	"Optičke i fluorescentne osobine hitina i hitinskih mikrostruktura biološkog porekla"	prof. dr Đorđe Spasojević prof. dr Goran Poparić dr Branko Kolarić	1. Rabasović, M. D., Pantelić, B.M., Čurčić S.B., Rabasović, M.S., Vrbica, M.D., Lazović, V.M., Čurčić, B.P., Krmpot, A.J. (2015) Nonlinear microscopy of chitin and chitinous structures: a case study of two cave dwelling insects. Journal of Biomedical Optics, 20(1), 016010 2. Pavlović, D., Rabasović, M. D., Krmpot, A.J., Lazović, V., Čurčić, S., Kolarić, B., Pantelić, D.V. (2019) Naturally safe: cellular noise for document security. Journal of Biophotonics, 12(12), e201900218
Filip Marinković	"Dielektrične i toplotne osobine kompozita na bazi polietilena niske gustine i NaA zeolita"	prof. dr Andrijana Žekić prof. dr Slavica Maletić dr Branislav Stanković	1. Marinković, F., Popović, D., Jovanović, J., Stanković, B., Jevtić, S. and Adnadjević, B., 2022. Thermal and dielectric properties of low-density polyethylene/NaA zeolite composites. Polymer International, 71(1), pp.66-73. 2. Marinkovic, F.S., Popovic, D.M., Jovanovic, J.D., Stankovic, B.S. and Adnadjevic, B.K., 2019. Methods for quantitative determination of filler weight fraction and filler dispersion degree in polymer composites: Example of low-density polyethylene and NaA zeolite composite. Applied Physics A, 125(9), pp.1-9.

Luka Ilić	"Numeričko modeliranje nukleacionih osobina atmosferskog mineralnog aerosola"	prof. dr Vladimir Đurđević prof. dr Vladan Vučković prof. dr Ana Vuković Vimić	1. Ilić, L., Jovanović, A., Kuzmanoski, M., Lazić, L., Madonna, F., Rosoldi, M., Mytilinaios, M., Marinou, E., Ničković, S. (2022) Mineralogy sensitive immersion freezing parameterization in DREAM. Journal of Geophysical Research: Atmospheres, 127, e2021JD035093. https://doi.org/10.1029/2021JD035093 2. Binietoglou, I., Basart, S., Alados-Arboledas, L., Amiridis, V., Argyrouli, A., Baars, H., Baldasano, J. M., Balis, D., Belegante, L., Bravo-Aranda, J. A., Burlizzi, P., Carrasco, V., Chaikovsky, A., Comeron, A., D'Amico, G., Filioglou, M., Granados-Munoz, M. J., Guerrero-Rascado, J. L., Ilic, L., Kokkalis, P., Maurizi, A., Mona, L., Monti, F., Munoz-Porcar, C., Nicolae, D., Papayannis, A., Pappalardo, G., Pejanovic, G., Pereira, S. N., Perrone, M. R., Pietruczuk, A., Posyniak, M., Rocadenbosch, F., Rodriguez-Gomez, A., Sicard, M., Siomos, N., Szkop, A., Terradellas, E., Tsekeri, A., Vukovic, A., Wandinger, U., and Wagner, J. (2015) A methodology for investigating dust model performance using synergistic EARLINET/AERONET dust concentration retrievals, Atmos. Meas. Tech., 8, 3577-3600, https://doi.org/10.5194/amt-8-3577-2015
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Bojan Zlatković	"Četvorotalasno mešanje u pari atoma kalijuma"	dr Aleksandar Krmpot prof. dr Milorad Kuraica prof. dr Bratislav Obradović dr Predrag Ranitović dr Dušan Arsenović	1. Megan Yamoah, Boris Braverman, Edwin Pedrozo-Peñafiel, Akio Kawasaki, Bojan Zlatković, and Vladan Vuletić. "Robust kHz-linewidth distributed Bragg reflector laser with optoelectronic feedback." Optics express 27, no. 26 (2019): 37714-37720. (IF(2019)=3,669) 2. B. Zlatković, M. M. Ćurčić, I. S. Radojičić, D. Arsenović, A. J. Krmpot, and B. M. Jelenković. "Slowing probe and conjugate pulses in potassium vapor using four wave mixing." Optics express 26, no. 26 (2018): 34266-34273. (IF(2018)=3,561)
29. 09. 2022.			
Nikola Starčević	"Dugin potencijal interakcije jona i kristala pri kanalisanju"	dr Srđan Petrović prof. dr Goran Poparić prof. dr Edib Dobardžić prof. dr Sava Galijaš doc. dr Zoran Popović	1. „Universal axial (0 0 1) rainbow channeling interaction potential“, Srđan Petrović, Nikola Starčević, Marko Ćosić, Nuclear Instruments and Methods in Physics Research B, 2019, 447, 79-83. DOI: https://doi.org/10.1016/j.nimb.2019.03.050 (ИФ=1.270) 2. „Crystal rainbow channeling potential for $\langle 100 \rangle$ and $\langle 111 \rangle$ cubic crystallographic crystals“, Nikola Starčević, Srđan Petrović, Nuclear Instruments and Methods in Physics Research B, 2021, 499, 39-45. DOI: https://doi.org/10.1016/j.nimb.2021.03.004 (ИФ=1.377)
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Danica Stojiljković 19. 09. 2022.	"Kinetika i morfologija depozicije čestica na heterogenim površinama"	prof. dr Sunčica Elezović-Hadžić prof. dr Đorđe Spasojević dr Julija Šćepanović	1. D. Lj. Stojiljković, J. R. Šćepanović, S. B. Vrhovac, and N. M. Švrakić, Structural properties of particle deposits at heterogeneous surfaces, Journal of Statistical Mechanics: Theory and Experiment 2015, P06032 (2015) DOI: 10.1088/1742-5468/2015/06/P06032; ISSN 1742-5468; IF(2015)= 2.091 2. D. Lj. Stojiljković and S. B. Vrhovac, Kinetics of particle deposition at heterogeneous surfaces, Physica A: Statistical Mechanics and its Applications 488, 16–29 (2017) DOI: 10.1016/j.physa.2017.06.031; ISSN 0378-4371; IF(2017)= 2.132
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Katarina Miletic	"Primena nedestruktivnih optičkih metoda u proceni stanja i metabolizma biljaka"	prof. dr Ivan Belča prof. dr Miloš Vičić prof. dr Aneta Sabovljević dr Marija Petković Benazzouz dr Dejan Jeremić	1. Kasalica Becko V, Miletic Katarina M, Sabovljevic Aneta D, Vujcic Milorad M, Jeremic Dejan A, Belca Ivan D, Petkovic-Benazzouz Marija M, Nondestructive optical method for plant overall health evaluation, Acta Agriculturae Scandinavica Section B-Soil And Plant Science, (2021) M22 (IF=1.568), doi: 10.1080/09064710.2021.1928740 2. Katarina M. Miletic, Danijela M. Djunisijevic-Bojovic, Becko V. Kasalica, Marijana Milutinovic, Marija M. Petkovic-Benazzouz, Slobodan D. Milanovic, Ivan D. Belca, Mirjana Z. Sarvan & Dejan A. Jeremic (2022), Innovative optical method for sensing the nutritional stress in hydroponically cultivated plants, Acta Agriculturae Scandinavica, Section B — Soil & Plant Science, 72:1, 720-732, (2022) M22 (IF=1.568), doi: 10.1080/09064710.2022.2071761
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Alber Ruman 08. 07. 2022.	"Uticaj promene biosfere u panonskom basenu na lokalnu i regionalnu klimu tokom prolećnih, letnjih i jesenjih meseci"	prof. dr Vladimir Đurđević prof. dr Ivana Tošić prof. dr Mirjam Vujadinović Mandić	1. Ruman A., Ruman A. (2021) Influence of vegetation cover change on the summer air temperature trend in the Pannonian Basin from 2002 to 2011. Theoretical and Applied Climatology, https://doi.org/10.1007/s00704-021-03815-6 (Категорија часописа: M22, импакт фактор: 3.179) 2. Tošić I., Putniković S., Gavrilov M. B., Marković B. S., Ruman A. (2018) Seasonal prevailing surface winds in Northern Serbia. Theoretical and Applied Climatology, 131, 1273–1284. doi 10.1007/s00704-017-2044-6 (Категорија часописа: M22, импакт фактор: 3.179)
Tatjana Marković-Topalović 3. 06. 2022.	"Edukaciona vizuelizacija fizičkih fenomena u parku nauke i školskom prostoru"	prof. prof. dr Jablan Dojčilović prof. dr Mićo Mitrović prof. dr Bratislav Obradović prof. dr Stevan Stojadinović doc. dr Milena Davidović	[1] Mirjana Božić, Leposava Vušković, Svetozar Popović, Jelena Popović and Tatjana Marković - Topalović, Visualization on the Day Night Year Globe, Eur. J. Phys. 37 (2016), 17.8. 2016. [2] Milena D. Davidović, Tatjana Marković - Topalović, Josip Sliško, and Mirjana Božić, Visuelizing properties of the quadratic function using Torricellis fountain, Phys. Teach. 58, 263 (2020); Published Online: 19 March 2020.

Kosta Spasić 3. 06. 2022.	"Dijagnostika asimetričnog i plan paralelnog radio-frekventnog plazma sistema u cilju definisanja plazma hemijskih procesa tokom tretmana uzoraka organskog i neorganskog porekla"	prof. dr Srđan Bukvić prof. dr Bratislav Obradović prof. dr Goran Poparić dr Gordana Malović dr Nikola Škoro	1. „Activity of catalase enzyme in Paulownia tomentosa seeds during the process of germination after treatments with low pressure plasma and plasma activated water“, Nevena Puač, Nikola Škoro, Kosta Spasić, Suzana Živković, Milica Milutinović, Gordana Malović and Zoran Lj. Petrović, Plasma Processes and Polymers 2017,1700082; DOI: 10.1002/ppap.201700082 (ИФ=2.846) 2. „Plasma treated polyethylene terephthalate for increased embedment of UV-responsive microcapsules“, Marija Gorjanc, Miran Mozetič, Gregor Primc, Alenka Vesel, Kosta Spasić, Nevena Puač, Zoran Lj. Petrović and Mateja Kerta, Applied Surface Science 419 (2017) 224–234; DOI: 10.1016/j.apsusc.2017.04.177 , (ИФ=3.387)
Ivana Đurišić 18. 05. 2022.	"Elektronski transport i rektifikacija transverzalne električne struje kroz DNK nukleotide u nanoprocepu"	prof. dr Goran Poparić prof. dr Božidar Nikolić dr Željko Šljivančanin	1. I. Djurišić, M. S. Dražić, A.Ž.Tomović, M. Spasenović, Željko S lživanc anin, V. P. Jovanović, R. Zikic, DNA Sequencing with Single-Stranded DNA Rectification in a Nanogap Gated by N-Terminated Carbon Nanotube Electrodes, ACS Applied Nano Materials 3, 3034-3043 (2020). DOI: 10.1021/acsanm.0c00385, IF (2020)=5.097 2. I.Djurišić, M. S. Dražić, A. Ž. Tomović, M. Spasenović, Ž. Šljivančanin, V. P. Jovanović, and R. Zikic, Field Effect and Local Gating in Nitrogen-Terminated Nanopores (NtNP) and Nanogaps (NtNG) in Graphene, ChemPhysChem, 22, 336-341 (2020). DOI: 10.1002/cphc.202000771; IF(2019)=3.144

Marjan Ćirković 20. 04. 2022.	"Produkcija K^0_S mezona u neelastičnim p+p sudarima na energiji od 158 GeV, merena NA61/SHINE detektorom na SPS-u u CERN-u"	prof. dr Jovan Puzović prof. dr Predrag Milenović dr Tatjana Šuša	1. A. Acharya, ... M. Ćirković ... et al. (NA61 Collaboration), "K^{0_S} meson production in inelastic p+p interactions at 158 GeV/c beam momentum measured by NA61/SHINE at the CERN SPS", Eur. Phys. J. C82 (2022) 1, 96 (M21, IF (2020): 4.590) 2. A. Acharya, ... M. Ćirković, ... et al. (NA61 Collaboration), "Measurements of $\pi^\pm$, $K^\pm$, p and p spectra in 7Be+9Be collisions at beam momenta from 19A to 150A GeV/c with the NA61/SHINE spectrometer at the CERN SPS", Eur. Phys. J. C81 (2021) 1, 73 (M21, IF) (2020): 4.590)
Dejan Dojić 18. 04. 2022.	"Dinamika i ekspanzija laserski proizvedene plazme"	prof. dr Đorđe Spasojević doc. dr Miloš Skočić prof. dr Miroslav Kuzmanović	1. M. Skočić, D. Dojić, S. Bukvić, Formation of double-layer in the early stage of nanosecond laser ablation, Journal of Quantitative Spectroscopy & Radiative Transfer 227 (2019), 57-62. 2. D. Dojić, M. Skočić, S. Bukvić, Shielding effects in interaction of nanosecond laser pulses with solid target, Spectrochimica Acta Part B 186 (2021).

Bojana Bokić	"Dinamika prostiranja Eirijevih snopova u fotorefraktivnim sredinama"	prof. dr Bratislav Obradović prof. dr Đorđe Spasojević prof. dr Goran Poparić dr Dragana Jović-Savić dr Branko Kolarić	1. Falko Diebel, Bojana M. Bokić, Martin Boguslawski, Aleksandra Piper, Dejan V. Timotijević, Dragana M. Jović, Cornelia Denz, „Control of Airy-beam self-acceleration by photonic lattices”, Physical Review A 90 br. 3 (2014). DOI: 10.1103/PhysRevA.90.033802; ISSN: 2469-9934; IF: 2.777; Citati: 20 citata prema bazi SCOPUS; 2. Falko Diebel, Bojana M. Bokić, Dejan V. Timotijević, Dragana M. Jović Savić, Cornelia Denz, “Soliton formation by decelerating interacting Airy beams”, Optics Express 23, br. 19, str. 24351-24361, (2015). DOI: 10.1364/OE.23.024351; ISSN: 1094-4087; IF: 3.669; Citati: 34 citata prema bazi SCOPUS;
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Sanja Đurđić Mijin 10. 03. 2022.	"Neelastično rasejanje svetlosti na kvazi-dvodimenzionalnim materijalima"	dr Zoran V. Popović prof. dr Tatjana Vuković prof. dr Đorđe Spasojević prof. dr Božidar Nikolić prof. dr Slavica Maletić	1. S. Djurdjić Mijin, A. Šolajić, J. Pešić, M. Šćepanović, Y. Liu, A. Baum, C. Petrovic, N. Lazarević, and Z. V. Popović, Lattice dynamics and phase transition in CrI3 single crystals, Phys. Rev. B 98, 104307 (2018), DOI: 10.1103/PhysRevB.98.104307, ISSN: 2469-9950 (M21, IF (2018): 3.736) 2. S. Djurdjić Mijin, A.M. Milinda Abeykoon, A. Šolajić, A. Milosavljević, J. Pešić, Yu Liu, C. Petrovic, Z.V. Popović, N. Lazarević, Short-range order in VI3, Inorg Chem. 59 (22):16265-16271 (2020), DOI:10.1021/acs.inorgchem.0c02060, ISSN: 0020-1669 (M21a, IF (2019): 4.852)
Biljana Maksimović 1. 03. 2022.	"Mehanizmi rasta kristala natrijum hlorata i kalijum dihidrogen-fosfata iz vodenih rastvora"	prof. dr Mićo Mitrović prof. dr Andrijana Žekić prof. dr Maja Stojanović	1. INVESTIGATION OF GROWTH MECHANISMS OF SODIUM CHLORATE CRYSTALS FROM AQUEOUS SOLUTIONS Biljana Z. Radiša, Mićo M Mitrović, Branislava M. Misailović, Andrijana A. Žekić, Industrial & Engineering Chemistry Research, 2016, 55 (39), pp 10436–10444. ISSN 0888-5885 (M21, IF: 2.843) 2. COEXISTENCE OF DIFFERENT GROWTH MECHANISMS OF SODIUM CHLORATE UNDER THE SAME EXPERIMENTAL CONDITIONS Mićo M. Mitrović, Biljana Z. Maksimović, Branislava M. Vučetić, Milica M. Milojević, Andrijana A. Žekić, ACS Omega 2021, 6, 34, 21909–21914. ISSN 2470-1343 (M22, IF: 3.512)

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Marko Bošković 14. 06. 2021.	"Magnetne nanočestice u medicini: metode određivanja toplotnih gubitaka i biodistribucije"	dr Bratislav Antić prof. dr Milorad Kuraica prof. dr Đorđe Spasojević	1. M. Boskovic, G. F. Goya, S. Vranjes-Djuric, N. Jovic, B. Jancar, and B. Antic Influence of size distribution and field amplitude on specific loss power Journal of Applied Physics 117, 103903 (2015); Категорија часописа: M22 Импакт фактор 2.183 (2014) ISSN: 0021-8979 DOI: 10.1063/1.4914074 2. B. Antic, Marko Boskovic, J. Nikodinovic-Runic, Y. Ming, H. Zhang, E. S. Bozin, D. Janković, V. Spasojevic, S. Vranjes-Djuric Complementary approaches for the evaluation of biocompatibility of 90Y-labeled superparamagnetic citric acid (Fe,Er)3O4 coated nanoparticles Materials Science and Engineering. C: Materials for Biological Applications vol. 75, pp. 157– 164, 2017. Категорија часописа: M21 Импакт фактор 5.08 (2017) ISSN: 0928-4931 DOI: 10.1016/j.msec.2017.02.023
Tijana Đorđević 8. 06. 2021.	"Teorijski modeli plazmona u grafenu pri interakciji sa naelektrisanim česticama"	dr Ivan Radović prof. dr Ivanka Milošević dr Zoran Popović	1. T. Đorđević, I. Radović, V. Despoja, K. Lyon, D. Borka and Z. L. Mišković Analytical modeling of electron energy loss spectroscopy of graphene: Ab initio study versus extended hydrodynamic model Ultramicroscopy 184 (2018) 134–142 Категорија часописа: M21a Импакт фактор 2.843 (2016) ISSN: 0304-3991 DOI: 10.1016/j.ultramic.2017.08.014 2. V. Despoja, T. Đorđević, L. Karbunar, I. Radović and Z. L. Mišković Ab initio study of the electron energy loss function in a graphene-sapphire-graphene composite system Physical Review B 96 (2017) 075433 (1-17) Категорија часописа: M21 Импакт фактор 3.836 (2016) ISSN: 0375-9601 DOI: 10.1103/PhysRevB.96.075433

Dragutin Jovković 28. 05. 2021.	"Korelacije u signalima tipa Barkhauzenovog šuma"	prof. dr Đorđe Spasojević prof. dr Milan Knežević doc. dr Sanja Janićević	1. S. Janićević, D. Jovković, L. Laurson, Dj. Spasojević, "Threshold-induced correlations in the Random Field Ising model", Scientific Reports 8, 2571 (2018); 2. S. Mijatović, D. Jovković, S. Janićević, Dj. Spasojević, "Critical disorder and critical magnetic field of the nonequilibrium athermal random-field Ising model in thin systems", Physical Review E 103, 032147 (2021);
Ana Milosavljević 6. 04. 2021.	„Elektron-fonon i spin-fonon interakcija u superprovodnicima na bazi gvožđa i kvazi-2d materijalima izučavana metodom Ramanove spektroskopije"	dr Nenad Lazarević dr Zoran V. Popović prof. dr Đorđe Spasojević prof. dr Božidar Nikolić doc. dr Zorica Popović	1. A. Milosavljević, A. Šolajić, S. Đurđić-Mijin, J. Pešić, B. Višić, Yu Liu, C. Petrovic, N. Lazarević, Z.V. Popović, Lattice dynamics and phase transitions in Fe₃-xGeTe₂, Phys. Rev. B 99, 214304 (2019) Kateropija: M21 DOI: 10.1103/PhysRevB.99.214304 IF: 3.736 ISSN: 2469-9950 2. A. Milosavljević, A. Šolajić, B. Višić, M. Opačić, J. Pešić, Yu Liu, C. Petrovic, Z. V. Popović, N. Lazarević, Vacancies and spin-phonon coupling in CrSi_{0.8}Ge_{0.1}Te₃, J. Raman Spectrosc. 51, 2153- 2160 (2020) Kateropija: M21 DOI: 10.1002/jrs.5962 IF: 2.272 ISSN: 0377-0486
Milica Vasiljević 21. 03. 2021.	"Razvoj novih spektroskopskih metoda za određivanje parametara prikatodne oblasti abnormalnog tinjavog pražnjenja u argonu i argonu sa vodonikom"	prof. dr Đorđe Spasojević prof. dr Nikola Konjević prof. dr Ivan Videnović prof. dr Gordana Majstorović dr Nikola Ivanović	1. M. M. Vasiljević, Đ. Spasojević, N. M. Šišović, N. Konjević (2017), EPL (Europhysics Letters) 119 (5), 55001. ISSN- 0295-5075; IF-1.958 2. M. M. Vasiljević, G. Lj. Majstorović, Đ. Spasojević, N. Konjević (2020), JQSRT (Journal of Quantitative Spectroscopy and Radiative Transfer) 254:107195 ISSN- 0022-4073; IF-3.047

Nenad Selaković	"Masena spektrometrija plazmenog mlaza i primene električnih pražnjenja na atmosferskom pritisku u biomedicini"	prof. dr Srđan Bukvić prof. dr Bratislav Obradović prof. dr Goran Poparić dr Gordana Malović dr Zoran Lj. Petrović	1. N. Puač, S. Živković, N. Selaković, M. Milutinović, J. Boljević, G. Malović, and Z. Lj. Petrović, „Long and short term effects of plasma treatment on meristematic plant cells“, Applied Physics. Letters, vol. 104 br. 21, p. 214106, 2014. ISSN: 0003-6951 (print) 1077-3118 (web); DOI: doi.org/10.1063/1.4880360 IF: 3.495 2. A. Stancampiano, N. Selaković, M. Gherardi, N. Puač, Z. Lj. Petrović and V. Colombo „Characterisation of a multijet plasma device by means of mass spectrometric detection and iCCD imaging“ J Phys D: Appl. Phys., 2018. ISSN: 0508-3443 (print) 1361-6463 (web); DOI: doi.org/10.1088/1361-6463/aae2f2 IF: 2.373
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Vilem Viktor Van Gerven	"Magnetic Impurities in Superconductors: Subgap States in Quantum Dots and Effects of Periodic Local Moments"	dr Darko Tanasković prof. dr Đorđe Spasojević doc. dr Zorica Popović dr Antun Balaž	1. W. van Gerven Oei and D. Tanasković, Reentrant s-wave superconductivity in the periodic Anderson model with attractive conduction band Hubbard interaction, J. Phys. Cond. Matt. 32, 325601 (2020). M22; DOI: 10.1088/1361-648X/ab83b0; ISSN: 0953-8984; IF=2.707 2. W. van Gerven Oei, D. Tanasković, and R. Žitko, Magnetic impurities in spin-split superconductors, Phys. Rev. B 95, 085115 (2017). M21; DOI: 10.1103/PhysRevB.95.085115; ISSN: 2469-9969; IF=3.813

Ana Hudomal 1. 12. 2020.	„Numerical study of quantum gases in optical lattices and in synthetic magnetic fields”	dr Antun Balaž prof. dr Božidar Nikolić prof. dr Milan Knežević	1. A. Hudomal, I. Vasić, H. Buljan, W. Hofstetter, and A. Balaž, Dynamics of weakly interacting bosons in optical lattices with flux, Phys. Rev. A 98, 053625 (2018). DOI: 10.1103/PhysRevA.98.053625; ISSN 2469-9926; IF(2018)=2.907 2. A. Hudomal, N. Regnault, and I. Vasić, Bosonic fractional quantum Hall states in driven optical lattices, Phys. Rev. A 100, 053624 (2019). DOI: 10.1103/PhysRevA.100.053624; ISSN 2469-9926; IF(2019)=2.777
Jelena Marjanović 27. 11. 2020.	"Proboj i osobine neravnotežnih DC pražnjenja na niskom pritisku u parama tečnosti"	dr Zoran Lj. Petrović prof. dr Srđan Bukvić prof. dr Milorad Kuraica	1. Jelena Sivoš, Nikola Škoro, Dragana Marić, Gordana Malović and Zoran Lj Petrović, Breakdown and dc discharge in low-pressure water vapour, Journal of Physics D: Applied Physics, 48(42), 424011 (9pp), 2015, IOP Publishing Ltd ISSN 0022-3727, DOI: 10.1088/0022-3727/48/42/424011 Категорија: M21 (IF: 2.772) (5 цитата према бази Web of Science Core Collection) 2. Jelena Sivoš, Dragana Marić, Nikola Škoro, Gordana Malović and Zoran Lj Petrović, DC discharge in low-pressure ethanol vapour, Plasma Sources Sci. Technol., 28, 055011 (8pp), 2019, IOP Publishing Ltd ISSN: 0963-0252, DOI: 10.1088/1361-6595/ab0952 Категорија: M21a (IF: 4.128) (1 цитат према бази Web of Science Core Collection)

Iva Bačić 27. 11. 2020.	"Self-Organization in Coupled Excitable Systems: Interplay Between Multiple Timescale Dynamics and Noise"	prof. dr Đorđe Spasojević prof. dr Milan Knežević dr Antun Balaž	1. I. Bačić and I. Franović: Two Paradigmatic Scenarios for Inverse Stochastic Resonance Chaos 30, 033123 (2020). DOI: 10.1063/1.5139628 2. I. Bačić, V. Klinshov, V. I. Nekorkin, M. Perc, and I. Franović: Inverse Stochastic Resonance in a System of Excitable Active Rotators with Adaptive Coupling EPL 124, 40004 (2018). DOI: 10.1209/0295-5075/124/40004
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Ilija Simonović 30. 09. 2020.	"Kinetički i fluidni modeli neravnotežnog transporta elektrona u gasovima i tečnostima"	dr Zoran Lj. Petrović prof. dr Srđan Bukvić prof. dr Đorđe Spasojević	1. J.Mirić, D. Bošnjaković, I. Simonović, Z.Lj. Petrović and S. Dujko "Electron swarm properties under the influence of a very strong attachment in SF₆ and CF₃I obtained by Monte Carlo rescaling procedures" Plasma Sources Sci. Technol. 25 (2016) 065010 (IF2016=3.302) 2. N.A. Garland, I. Simonović, G.J. Boyle, D.G. Cocks, S. Dujko and R.D. White "Electron swarm and streamer transport across the gas–liquid interface: a comparative fluid model study" Plasma Sources Sci. Technol. 27 (2018) 105004 (IF2018=4.128)

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Katarina Đorđević	"Primena neuronskih mreža u fotoakustičkoj analizi silicijuma n-tipa u frekventnom domenu"	dr Slobodanka Galović prof. dr Goran Poparić prof. dr Mićo Mitrović prof. dr Edib Dobardžić	1. K. Lj. Djordjevic , D. D. Markushev, Ž. M. Čojbašić, et al. Photoacoustic Measurements of the Thermal and Elastic Properties of n-Type Silicon Using Neural Networks, Silicon 12, 1289– 1300 (2020) doi:10.1007/s12633-019-00213-6 2. K. Lj. Djordjevic, D. D. Markushev, Ž. M. Čojbašić, S. P. Galović, Inverse problem solving in semiconductor photoacoustics by neural networks, Inverse Problems in Science and Engineering, https://doi.org/10.1080/17415977.2020.1787405.
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Dragoljub Gočanin 22. 11. 2019.	"Field theory in $so(2;3)^*$ model of noncommutative gravity"	prof. dr Voja Radovanović prof. dr Marija Dimitrijević Ćirić dr Branislav Cvetković	[1] D. Gočanin, V. Radovanović, Dirac field and gravity in NC $SO(2; 3)^*$ model, Eur. Phys. J. C 78 (2018) no.7, 195; IF: 5.297, M21 [2] M. Dimitrijević-Ćirić, D. Gočanin, N. Konjik and V. Radovanović, Noncommutative Electrodynamics from $SO(2; 3)^*$ Model of Noncommutative Gravity, Eur. Phys. J. C 78 (2018) no.7, 548; IF: 5.297, M21

Aleksandra Dimić 21. 11. 2019.	"Detection of quantum correlations"	doc. dr Borivoje Dakić prof. dr Milan Damnjanović prof. dr Ivanka Milošević prof. dr Tatjana Vuković dr Antun Balaž	[1] V. Saggio, A. Dimić, C. Greganti, L. A. Rozema, P. Walther, and B. Dakić, Experimental few-copy multipartite entanglement detection. Nature Physics 15, 935–940 (2019) [2] A. Dimić and B. Dakić, Single-copy entanglement detection. npj Quantum Information 4 (1), 11 (2018)
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Tahani Halifa 12. 11. 2019.	"Four-Wave Mixing and Propagation of Laser Beam through Atomic Vapor"	dr Dušan Arsenović prof. dr Milorad Kuraica prof. dr Bratislav Obradović	[1] M.M. Ćurčić, T. Khalifa, B. Zlatković, I.S. Radojičić, A.J. Krmpot, D. Arsenović, B.M. Jelenković, M. Gharavipour, Four-wave mixing in potassium vapor with off-resonant double-Λ system Physical Review A 97 No. 6, 063851, 1 June (2018) [2] D. Arsenović, M.M. Ćurčić, T. Khalifa, B. Zlatković, Ž. Nikitović, I.S. Radojičić, A.J. Krmpot, B.M. Jelenković, Slowing 80-ns light pulses by four-wave mixing in potassium vapor Physical Review A, 98, 023829 (2018)

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Vladimir Veljić	"Quantum kinetic theory for ultracold dipolar Fermi gases"	dr Antun Balaž dr Ivana Vasić prof. dr Milan Damnjanović prof. dr Milan Knežević	[1] V. Veljić, A. Balaž, and A. Pelster: "Time-of-flight expansion of trapped dipolar Fermi gases: From the collisionless to the hydrodynamic regime", Phys. Rev. A 95, 053635 (2017), ISSN 2469-9926; IF(2017)=2.909 [2] V. Veljić, A. R. P. Lima, L. Chomaz, S. Baier, M. J. Mark, F. Ferlaino, A. Pelster, and A. Balaž, "Ground state of an ultracold Fermi gas of tilted dipoles in elongated traps", New J. Phys. 20, 093016 (2018), ISSN 1367-2630; IF(2017)=3.579
Nikola Konjik	"Fenomenologija nekomutativnog skalarnog polja u ravnom i zakrivljenom prostoru"	prof.dr Voja Radovanović prof. dr Marija Dimitrijević-Ćirić dr Anđelo Samsarov doc. dr Duško Latas dr Branislav Cvetković	[1] M. Dimitrijević-Ćirić, N. Konjik and A. Samsarov, "Noncommutative scalar quasinormal modes of the Reissner–Nordström black hole", Class. Quant. Grav. 35 (2018) no.17, 175005; IF: 3.283, M22 [2] M. Dimitrijević-Ćirić and N. Konjik, "Landau levels from noncommutative U(1)* gauge theory in k-Minkowski space-time", Int. J. Geom. Meth. Mod. Phys. 15 (2018) no.08, 1850141; IF: 1.068, M23

Marko Milivojević 30. 09. 2019.	"Spin-Orbit Interaction in Low Dimensional Systems: Symmetry Based Approach"	prof. dr Tatjana Vuković dr Milan Damnjanović dr Vladimir Damljanović dr Saša Dmitrović dr Nataša Lazić	[1] N. Lazić, M. Milivojević, T. Vuković, M. Damnjanović, Double line groups: structure, irreducible representations and spin splitting of the bands, Journal of Physics A: Mathematical and Theoretical 51 (2018) 225203 (M21,IF 1.963) [2] M. Milivojević, N. Lazić, S. Dmitrović, M. Damnjanović, T. Vuković Spin splitting in quasi- one dimensional systems, Phys. Status Solidi B 255 (2018) 1800184 (M22, IF 1.729)
Mihajlo Savić 4. 07. 2019.	"Modelovanje uticaja atmosfere na mionsku komponentu sekundarnog kosmičkog zračenja"	dr Miodrag Krmar prof. dr Marija Dimitrijević Čirić doc. dr Duško Latas dr Dimitrije Maletić	[1] M. Savic, A. Dragic, D. Maletic, N. Veselinovic, R. Banjanac, D. Jokovic, V. Udovicic, "A novel method for atmospheric correction of cosmic-ray data 6 based on principal component analysis". γ: Astroparticle Physics 109 (2019), c. 1— 11. [IF 3.2] [2] M. Savic, N. Veselinovic, A. Dragic, D. Maletic, D. Jokovic, R. Banjanac, V. Udovicic, "Rigidity dependence of Forbush decreases in the energy region exceeding the sensitivity of neutron monitors". γ: ADVANCES IN SPACE RESEARCH 63.4 (2019), c. 1483—1489. [IF 1.5]

Miljan Dašić 23. 09. 2019.	"Modeling the Behaviour of Confined Dipolar and Ionic Systems"	dr Igor Stanković prof. dr Đorđe Spasojević prof. dr Milan Knežević	[1] I. Stanković, M. Dašić and R. Messina, "Structure and cohesive energy of dipolar helices", Soft Matter 12, 3056 (2016) [ISSN 1744-6848, IF2016 3.889, M21] [2] M. Dašić, I. Stanković and K. Gkagkas, "Molecular dynamics investigation of the influence of the shape of the cation on the structure and lubrication properties of ionic liquids", Physical Chemistry Chemical Physics 21, 4375 (2019) [ISSN 1463-9076, IF2017 3.906, M21]
Darko Sarvan 04. 06. 2019.	"Statističko-mehanička analiza evolucije nacionalnih tržišta"	doc. dr Vladimir Miljković prof. dr Milan Knežević doc. dr Đorđe Stratimirović	[1] D. Sarvan, Đ. Stratimirović, S. Blesić, V. Miljković, Scaling analysis of time series of daily prices from stock markets of transitional economies in the Western Balkans, The European Physical Journal B, vol. 87, no. 12, pp. 297–04 (2014) [2] Đ. Stratimirović, D. Sarvan, V. Miljković, S. Blesić, Analysis of cyclical behavior in time series of stock market returns, Communications in Nonlinear Science and Numerical Simulation, vol. 54, pp. 2133 (2018)
Aleksandar Ćirić 28. 05. 2019.	"Džad-Ofelt-ova teorija i termometrija europiumom dopiranih materijala"	prof. dr Ivan Belča prof. dr Stevan Stojadinović dr Miroslav Dramićanin	[1] S. Stojadinović, N. Tadić, A. Ćirić, R. Vasilić, Photoluminescence properties of Eu³⁺ doped HfO₂ coatings formed by plasma electrolytic oxidation of hafnium, Optical Materials 77 (2018) 19–24 [2] A. Ćirić, S. Stojadinović, M.D. Dramićanin, Luminescence Intensity Ratio thermometry and Judd-Ofelt analysis of TiO₂:Eu³⁺, Optical Materials 85 (2018) 261–266

Vojislav Milošević 15. 05. 2019.	"Asimetrični rezonatori kao elementi jediničnih ćelija jednodimenzionalnih metamaterijala"	dr Branka Jokanović prof. dr Voja Radovanović prof. dr Goran Poparić dr Branislav Jelenković	[1] V. Milosevic, B. Jokanovic, and R. Bojanic, "Effective Electromagnetic Parameters of Metamaterial Transmission Line Loaded With Asymmetric Unit Cells," IEEE Transactions on Microwave Theory and Techniques, vol. 61, no. 8, pp. 2761–2772, Aug. 2013. [2] R. Bojanic, V. Milosevic, B. Jokanovic, F. Medina-Mena, and F. Mesa, "Enhanced Modelling of Split-Ring Resonators Couplings in Printed Circuits," IEEE Transactions on Microwave Theory and Techniques, vol. 62, no. 8, pp. 1605–1615, Aug. 2014.
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Miroslav Anđelković 8. 03. 2019.	"Algebarska topologija kompleksnih mreža i topološki aspekti nelinearnih dinamičkih sistema"	prof. dr Milan Knežević prof. dr Sunčica Elezović-Hadžić prof. dr Rade Živaljević dr Slobodan Maletić	[1] B. Tadić, M. Andjelković, B. Mileva-Boshkoska, Z. Levnajić, Algebraic topology of multi-brain connectivity networks reveals dissimilarity in functional patterns during spoken communications, PloS one 11 (11), e0166787, 2016 (M21) [2] M. Andjelković, B. Tadić, M. Mitrović-Dankulov, M. Rajković, R. Melnik, Topology of innovation spaces in the knowledge networks emerging through questions-and-answers, PloS one 11 (5), e0154655, 2016 (M21)
Milentije Luković 7. 03. 2019.	"Emisiona jednodimenziona tomografija temperaturnog profila u ložištu kotla termoelektrane korišćenjem radijacione pirometrije"	prof. dr Ivan Belča prof. dr Bečko Kasalica doc. dr Aleksandra Kalezić-Glišović	[1] M. Lukovic, V. Lukovic, I. Belca, B. Kasalica, I. Stanimirovic, and M. Vicic, „LEDbased Vis-NIR spectrally tunable light source - the optimization algorithm”, Journal of the European Optical Society-Rapid Publications, vol. 12, no. 19, pp. 19, 2016, ISSN 1990-2573, Doi 10.1186/s41476-016-0021-9 [2] Milentije Lukovic, Milos Vicic, Zoran Popovic, Ljubisa Zekovic, Becko Kasalica, Ivan Belca, „Two-color pyrometer-based method for measuring temperature profiles and attenuation coefficients in a coal power plant”, Combustion Science and Technology, Volume 190, Issue 11, pages 2018-2029, 2018, ISSN: 0010-2202, DOI:10.1080/00102202.2018.1481401

Svetislav Mijatović 1. 03. 2019.	"Prelazak sa trodimenzionih na dvodimenzione sisteme i uticaj broja suseda na kritično ponašanje atermalnog neravnotežnog lzingovog modela sa slučajnim poljem"	dr Milan Knežević doc. dr Sanja Janićević doc. dr Đorđe Stratimirović	[1] S. Janićević, S. Mijatović, Dj. Spasojević, "Critical behavior of the two-dimensional nonequilibrium zero-temperature random field Ising model on a triangular lattice", Phys. Rev. E 95, 042131 (2017) [2] Dj. Spasojević, S. Mijatović, V. Navas-Portella, E. Vives, "Crossover from three-dimensional to two-dimensional systems in the nonequilibrium zero-temperature random field Ising model", Phys. Rev. E 97, 012109 (2018)
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Milica Rajačić 14. 02. 2019.	"Analiza uticaja aktivnosti Sunca i meteoroloških parametara na koncentraciju ⁷Be u prizemnom sloju atmosfere"	dr Dragana Todorović prof. dr Jovan Puzović prof. dr Vladimir Đurđević	[1] Rajačić M., Todorović D., Krneta Nikolić J., Janković M., Djurdjević V., The Fourier analysis applied to the relationship between ⁷Be activity in the Serbian atmosphere and meteorological parameters, Environmental Pollution 216 (2016) 919–923, ISSN: 0269-7491 (IF=5,099 / 2016) [2] Rajačić M., Todorović D., Janković M., Nikolić J., Sarap N., Pantelić G., ⁷Be in atmospheric deposition: determination of seasonal indices, Journal Radioanalytical Nuclear Chemistry Vol.303 No.3 (2015) 2535–2538, ISSN: 0236-5731(IF= 1,415/ 2013)
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Blanka Škipina	"Fotodielektrične osobine polimera i polimernih kompozita"	prof. dr Jablan Dojčilović prof. dr Dušan Popović dr Dragana Cerović	[1] Blanka Škipina, A. S. Luyt, L. Csóka, V. Đoković, D. Dudić, Generation of photo charge in poly(ethyleneimine)-TiO₂-anthocyanin modified papers conditioned at different humidities, Dyes and Pigments 149 (2018) 51-58, DOI: 10.1016/j.dyepig.2017.08.064 [M21a, IF=3.417] [2] Blanka Škipina, Mirjanić D., Vučenović S., Šetrajčić J., Šetrajčić I., Šetrajčić-Tomić, A., Pelemiš S., Markoski B., Selective IR absorption in molecular nanofilms, OPTICAL MATERIALS, (2011), vol. 33 br. 11, str. 1578-1584, DOI:10.1016/j.optmat.2011.04.008 [M21, IF=2.023]
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Jelena Pajović 24. 10. 2018.	"Zlatne nano čestice funkcionalizovane biomolekulima: ispitivanje fotoekscitacionih procesa i primena u fluorescentnoj mikroskopiji"	dr Dušan Božanić dr Vladimir Đoković prof. dr Slavica Maletić prof. dr Dušan Popović	[1] J. D. Pajović, R. Dojčilo, D. K. Božanić, V. V. Vodnik, S. Dimitrijević-Branković, S. Kaščakovà, M. Réfrégiers, M. Markelić, V. Djoković: Deep UV fluorescence imaging study of Candida albicans cells treated with gold-riboflavin hydrocolloids. Optical and Quantum Electronics 48, 311 (2016) (IF =1.055) ISSN: 0306-8919 [2] J. D. Pajović, R. Dojčilo, D. K. Božanić, S. Kaščakovà, M. Réfrégiers, S. Dimitrijević- Branković, V. V. Vodnik, A. R. Milosavljević, E. Piscopiello, A. S. Luyt, V. Djoković: Tryptophan-functionalized gold nanoparticles for deep UV imaging of microbial cells. Colloids and Surfaces B: Biointerfaces 135, 742 (2015) (IF = 3.902) ISSN: 0927-7765
Dejan Maletić 08. 10. 2018.	"Razvoj i dijagnostika atmosferskog plazma mlaza i njegova primena na uzorke biološkog porekla"	dr Nevena Puač dr Gordana Malović prof. dr Srđan Bukvić prof. dr Milorad Kuraica prof. dr Bratislav Obradović	[1] D. Maletić, N. Puač, G. Malović, A. Đorđević, Z. Lj. Petrović; "The influence of electrode configuration on light emission profiles and electrical characteristics of an atmospheric-pressure plasma jet"; Journal of Physics D: Applied Physics, 50 145202 (12pp), 2017, IOP Publishing (M21, IF: 2.588) [2] D. Maletić, N. Puač, N. Selaković, S. Lazović, G. Malović, A. Đorđević, Z. Lj. Petrović; "Time-resolved optical emission imaging of an atmospheric plasma jet for different electrode positions with a constant electrode gap"; Plasma Sources Science and Technology 24, 025006 (9pp), 2015, IOP Publishing (M21, IF: 3.302)

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Dejan Simić 26. 09. 2018.	"Lavloкова gravitacija sa torzijom: egzaktna rešenja, kanonska i holografška struktura"	dr Branislav Cvetković prof. dr Maja Burić prof. dr Voja Radovanović	1. B. Cvetkovic and D. Simic, 5D Lovelock gravity: New exact solutions with torsion, Phys.Rev. D 94, 084037 (2016), IF=4.568 2. B. Cvetkovic, O. Miskovic and D. Simic, Holography in Lovelock Chern-Simons AdS gravity, Phys. Rev. D 96, 044027 (2017), IF=4.568
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Vesna Kovačević	"Dijagnostika i primene dielektričnog barijernog pražnjenja u kontaktu sa vodom"	prof. dr Milorad Kuraica prof. dr Bratislav Obradović dr Goran Roglić	[1] Kovačević V V, Dojčinović B P, Jović M, Roglić G M, Obradović B M and Kuraica M M, Measurement of reactive species generated by dielectric barrier discharge in direct contact with water in different atmospheres J. Phys. D. Appl. Phys. 50 (2017) 155205 (IF 2,772; M21) [2] Brandenburg R, Kovačević V V., Schmidt M, Basner R, Kettlitz M, Sretenović G B, Obradović B M, Kuraica M M and Weltmann K-D, Plasma-Based Pollutant Degradation in Gas Streams: Status, Examples and Outlook, Contrib. to Plasma Phys. 54 (2014) 202–214 (IF 1,440; M22)

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Goran Sretenović 09. 11. 2015.	"Spektroskopska istraživanja dinamike razvoja strimera u helijumu"	prof. dr Milorad Kuraica prof. dr Bratislav Obradović dr Nevena Puač	1. G. Sretenović, I. Krstić, V. Kovačević, B. Obradović and M. Kuraica: „Spectroscopic measurement of electric field in atmospheric-pressure plasma jet operating in bullet mode“, Appl.Phys. Lett. 99 (2011), 161502, IF = 3.844, ISSN = 0003-6951 2. G. Sretenović, I. Krstić, V. Kovačević, B. Obradović and M. Kuraica: „ Spatio-temporally resolved electric field measurements in helium plasma jet “ „J. Phys. D: Appl. Phys. 47 (2014), 102001, IF = 2.721, ISSN = 0022-3727

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Mirjam Vujadinović Mandić	"Modeliranje hidrološkog ciklusa u integrisanom geofizičkom sistemu"	prof. dr Borivoj Rajković prof. dr Vladimir Đurđević doc. dr Ana Vuković	1. S. Nicković, G. Pejanović, V. Djurdjević, J. Roskar and M. Vujadinović: „HYPROM Hydrology Surface Runoff Prognostic Model“, Water Resources Research 46, W11506 (M21, IF 2.737, ISSN = 0043-1397) 2. S. Nicković, V. Đurđević, M. Vujadinović, Z. Janjić, M. Ćurčić and M. Rajković: „Method for efficient prevention of gravity wave decoupling on rectangular semi staggered grids“, Journal of Computational Physics 230 (5), 1865-1875 (2011), IF = 2.434, ISSN = 0021-9991
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Valentin Ivanovski	"Istraživanje strukture i hiperfinih interakcija u intermetalnoj Y-Ni ₃ Al fazi sa primesama hafnijuma i gvožđa"	dr Ana Umičević prof. dr Đorđe Spasojević prof. dr Jovan Puzović dr Jelena Belošević-Čavor	1. V. N. Ivanovski, A. Umičević, J. Belošević-Čavor, G. Schumacher, V. Koteski, T. Barudžija: „Hf dopants in γ'-Ni ₃ Al alloy“, Journal of Applied Physics 114, 063712-1-063712-5 (2013), IF 2.210, ISSN 0021-8979 2. V. N. Ivanovski, A. Umičević, T. Barudžija, G. Schumacher, I. Mađarević, V. Koteski: „Site preference of Hf dopant in Ni ₃ Al alloys: A perturbed angular correlation study“, Journal of Alloys and Compounds 622, 541-547 (2015), IF 2.726, IssN 0925-8388
Jakša Vučičević	"Signatures of hidden quantum criticality in the high-temperature charge transport near the Mott transition"	dr Darko Tanasković prof. dr Đorđe Spasojević doc. dr Mihajlo Vanević dr Nenad Vukmirović	1. H. Terletska, J. Vučičević, D. Tanasković and V. Dobrosavljević: „Quantum transport near the Mott transition“, Phys. Rev. Lett. 107, 026401 (2011), IF 7.728, ISSN 1079-7114 2. J. Vučičević, M. O. Goerbig and M. Milovanović: „d-wave superconductivity on the honeycomb bilayer“, Phys Rev. B. 86, 214505 (2012), IF 3.664, ISSN 1550-235X
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Aleksandar Matković 12. 06. 2015.	"Ispitivanje optičkih osobina grafena pomoću spektroskopske elipsometrije"	dr Radoš Gajić prof. dr Ivanka Milošević prof. dr Zoran Radović prof. dr Ivan Belča	1. A. Matković, M. Chhikara, M. Milićević, U. Ralević, B. Vasić, Dj. Jovanović, M. R. Belić, G. Bratina and R. Gajić: „Influence of a gold substrate on the optical properties of graphene“, J. Appl. Phys. 117, 015305 (2015), IF 2.26, ISSN: 0021-8979 2. A. Matković, U. Ralević, M. Chhikara, M. M. Jakovljević, Dj. Jovanović, G. Bratina and R. Gajić: „Influence of transfer residue on the optical properties of chemical vapor deposited graphene investigated through spectroscopic ellipsometry“, J. Appl. Phys. 114, 123523 (2013), IF 2.26, ISSN: 0021-8979

Marko Radović	"Optička svojstva nanokristala cerijum dioksida dopiranih 3d i 4f elementima"	dr Zorana Dohčević-Mitrović prof. dr Ljubiša Zeković prof. dr Ivanka Milošević prof. dr Stevan Stojadinović	1. M. Radović, B. Stojadinović, N. Tomić, A. Golubović, B. Matović, I. Veljković, Z. Dohčević-Mitrović: „Investigation of surface defect states in CeO ₂ -y nanocrystals by Scanning-tunneling microscopy/spectroscopy and ellipsometry“, Journal of Applied Physics 116 (2014) 234305 2. M. Radović, Z. Dohčević-Mitrović, A. Golubović, V. Futh, S. Preda, M. Šćepanović, Z. V. Popović: „Influence of Fe ³⁺ - doping on optical properties of CeO ₂ -y nanopowders“, Ceramics International 39 (2013) 4929
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Lea Lenhardt	"Paralelna faktorska analiza fluorescentnih svojstava višekomponentnih sistema"	prof. dr Miroslav Dramićanin prof. dr Ljubiša Zeković prof. dr Ivan Belča prof. dr Milorad Kuraica	1. L.Lenhardt, I. Zeković, M. Dramićanin: "Authentication of the botanical origin of honey by infrared spectroscopy coupled with support vector machine algorithm", Physica Scripta (2014), In press (IF=1.296) 2. L. Lenhardt, I. Zeković, M. Dramićanin, R. Bro: "Determination of the botanical origin of honey by front-face synchronous fluorescence spectroscopy", Applied Spectroscopy (2014), 68(5): 557-563 (IF=2.014)
Gordana Jovanović	"Analiza MHD talasa u plazmi u gravitacionom polju"	doc. dr Miroslava Vukčević prof. dr Milorad Kuraica prof. dr Đorđe Spasojević	1. G. Jovanović: "The transmission coefficient of gravito-acoustic waves in non-magnetized stratified plasma", Romanian Reports in Physics, Vol. 65, No. 4, P. 1398-1406 (2013) 2. G. Jovanović: "Analysis of gravito MHD waves in a stratified isothermal plasma with constant Alfvén speed" in press, Romanian Reports in Physics, Vol. 66, No. 3 (2014)

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Ana Vuković 5.12. 2014.	"Modeliranje transporta atmosferskih čestica u integrisanom geofizičkom sistemu"	prof. dr Borivoj Rajković prof. dr Mirjana Ruml doc. dr Vladimir Đurđević	1. A. Vuković, M. Vujadinović, G. Pejanović, J. Andrić, M. R. Kumjian, V. Dačić, A. K. Prasad, H. M. El-Askary, B. C. Paris, S. Petković, S. Nicković and W. A. Sprigg: "Numerical simulation of an American haboob", Atmos. Chem. Phys. 14, 3211-3230 (2014) 2. S. Nicković, A. Vuković and M. Vujadinović: "Atmospheric processing of iron carried by mineral dust", Atmos. Chem. Phys. 13, 9169-9181 (2013)
Predrag Iskrenović 4. 12. 2014.	"Korekcija sistematske greške samozagrevanja u diodnoj termometriji"	prof. dr Milorad Kuraica prof. dr Ivan Belča prof. dr Zoran Đurić	1. P. S. Iskrenović: "Systematic error of diode thermometer", Rev. Sci. Instrum. 80 (2009) 2. P. S. Iskrenović, I. B. Krstić, B. M. Obradović, M. M. Kuraica: "Correlation between measured voltage and observed wavelength in commercial AlGaInP laser diode", J. Appl. Phys. 115, 183102 (2014)

Stanko Nikolić	"Elektromagnetno indukovana transparentija i usporavanje svetlosnih impulsa u rubidijumskoj ćeliji sa bafer gasom"	dr Branislav Jelenković dr Aleksandar Krmpot prof. dr Milorad Kuraica prof. dr Bratislav Obradović	1. S. N. Nikolić, M. Radonjić, A. J. Krmpot, N. M. Lučić, B. V. Zlatković, and B. M. Jelenković, "Effects of a laser beam profile on Zeeman electromagnetically induced transparency in the Rb buffer gas cell", Journal of Physics B: Atomic, Molecular and Optical Physics 46, 075501 (2013) 2. Stanko N. Nikolić, Viktor Batić, Bratimir Panić, and Branislav M. Jelenković, "Field-programmable gate array based arbitrary signal generator and oscilloscope for use in slow light and storage of light experiments", Review of Scientific Instruments 84, 063108 (2013)
Dužanka Lekić	"Diskretni modeli kompaktnih polimera u nehomogenim sredinama"	prof. dr Sunčica Elezović-Hadžić prof. dr Zoran Borjan dr Ivan Živić	1. D. Lekić and S. Elezović- Hadžić, "Semi-flexible compact polymers on fractal lattices", Physica A 390 (2011) 1941 2. D. Lekić and S. Elezović- Hadžić, "A model of compact polymers on a family of threedimensional fractal lattices", Journal of statistical mechanics - theory and experiment (2010) P02021
Svetlana Živković-Radeta	"Strukturalne promene u granularnom materijalu tokom procesa kompaktifikacije"	dr Zorica Jakšić dr Slobodan Vrhovac prof. dr Milan Knežević prof. dr Sunčica Elezović-Hadžić	1. S. V. Živković, Z. M. Jakšić, D. Arsenović, Lj. Budinski Petković, S. B. Vrhovac: "Structural characterization on two-dimensional granular systems durin the compaction", Granular Matter 13, 493-502 (2011) 2. S. Živković, Z. M. Jakšić, I. Lončarević, Lj. Budinski-Petković, S. B. Vrhovac, A. Belić: "Optimization of the monolayer growth in adsorption - desorption processes", Phys. Rev. E 88, 052131 (2013)

Julija Šćepanović 23. 06. 2014.	"Relaksaciona svojstva modela subdifuzivnog gasa na trougaonoj rešetki"	dr Slobodan Vrhovec prof. dr Sunčica Elezović-Hadžić prof. dr Milan Knežević	
Miloš Radonjić 17. 06. 2014.	"Influence of Disorder on Charge Transport in Strongly Correlated Materials Near the Metal-Insulator Transition"	dr Darko Tanasković prof. dr Zoran Radović prof. dr Đorđe Spasojević dr Antun Balaž	1. M. M. Radonjić, D. Tanasković, V. Dobrosavljević, K. Haule and G. Kotliar: "Wigner-Mott Scaling of Transport Near the Two-dimensional Metal-insulator Transition", Phys. Rev. B, 85, 085133 (2012) 2. M. M. Radonjić, D. Tanasković, V. Dobrosavljević and K. Haule: "Influence of Disorder on Incoherent Transport Near the Mott Transition", Phys. Rev. B, 81, 075118 (2010)
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Aleksandra Nina 15. 04. 2014.	"Dijagnostika plazme jonosferske D oblasti elektromagnetnim VLF talasima"	dr Vladimir Srećković prof. dr Srđan Bukvić prof. dr Vladimir Milosavljević prof. dr Đorđe Spasojević dr Luka Popović dr Vladimir Čadež	1. A. Nina and V. M. Čadež: "Detection of acoustic-gravity waves in lower ionosphere by VLF radio waves", Geophysical Research Letters, Vol. 40, Issue 18 (2013) 4803-4807 1. A. Nina, V. Čadež, V. Srećković, D.Šulić: "The influence of solar spectral lines on electron concentration in terrestrial ionosphere", Baltic Astronomy, Vol 20 (2011) 609-612
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Sonja Aškračić 12. 03. 2014.	"Fononi i defektna stanja u oksidnim nanomaterijalima"	dr Zorana Dohčević-Mitrović prof. dr Milan Damnjanović prof. dr Stevan Stojadinović	1. S. Aškračić, Z. Dohčević-Mitrović, V. Araujo, G. Ionita, M. M. De Lima and A. Cantarero: "F - centre luminescence in nanocrystalline CeO ₂ ", J. Phys. D: Appl. Phys. 46, 495306 (2013) 2. R. Kostić, S. Aškračić, Z. Dohčević-Mitrović and Z. V. Popović: "Low-frequency Raman scattering from CeO ₂ nanoparticles", Appl. Phys. A 90, 679 (2008)
Ljubica Davidović 12. 03. 2014.	"Direktna p-brana u slabozakrivljenom prostoru"	prof. dr Branislav Sazdović prof. dr Maja Burić prof. dr Voja Radovanović	1. Lj. Davidović, B. Sazdović: "Non-commutativity in weakly curved background by canonical methods", Physical Review D 83 (2011) 066014 2. Lj. Davidović, B. Sazdović: "Non-commutativity parameters depend not only on the effective coordinate but on its T-dual as well", Journal of High Energy Physics 08 (2011) 112
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Igor Franović 17. 12. 2013.	"Kolektivna dinamika i samoorganizacija stohastičkih neuronskih sistema pod uticajem sinaptičkog kašnjenja"	prof. dr Nikola Burić prof. dr Zoran Radović prof. dr Milan Knežević prof. dr Sunčica Elezović-Hadžić	1. I. Franović, K. Todorović, N. Vasović, N. Burić: "Spontaneous formation of synchronization clusters in homogenous neuronal ensembles induced by noise and interaction delays", Physical Review Letters 108, 094101 (2012) 2. I. Franović, K. Todorović, N. Vasović, N. Burić: "Mean-field approximation of two coupled populations of excitable units", Physical Review E 87, 012922 (2013)

Zohra Gebrel 12. 12. 2013.	"Synthesis and Magnetic Properties of Pure and Substituted Yttrium Cuprates and Manganites"	dr Jovan Blanuša prof. dr Zoran Radović prof. dr Milan Knežević dr Vojislav Spasojević	1. Z. Gebrel, J. Blanuša, V. Kusigerski, V. Spasojević, A. Mraković, M. Perović, A. Alqat: "Crystal structure and magnetic properties of $Y_2(Cu_{1-x}Mg_x)_2O_5$ obtained by SHS method", Journal of Alloys and Compounds, Vol. 582 (2014), 186-189, ISSN 0925-8388 2. Z. Gebrel, J. Blanuša, V. Spasojević, V. Kusigerski, A. Mraković, A. Alqat, M. Perović: "Combustion syntesis as a novel approach in preparation of polycrystalline $Y_2Cu_2O_5$", Journal of Alloys and Compounds, Vol. 568 (2013), 55-59, ISSN 0925-8388
Marko Nikolić 21. 10 .2013.	"Temperaturska zavisnost luminescencije neorganskih fosfora na bazi retkih zemalja"	dr Miroslav Dramićanin prof. dr Ljubiša Zeković prof. dr Bećko Kasalica	1. M. G. Nikolić, D. J. Jovanović, M. D. Dramićanin: "Temperature dependence of emission and lifetime in Eu^{3+}- and Dy^{3+}- doped $GdVO_4$", Aplied Optics 52 (8), pp. 1716-1724 (2013) 2. M. G. Nikolić, V. Lojpur, Ž. Antić, M. D. Dramićanin: "Termographic properties of Eu^{3+} - doped $(Y_{0.75}Gd_{0.25})_2O_3$ nanophosphor under UV and X-ray excitation", Physica Scripta 84 (5), 055703 (2013)
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Jelena Maljković 14. 5. 2013.	"Apsolutni preseki za rasejanje elektrona na organskim molekulima relevantnim za građu bioloških makromolekula"	dr Aleksandar Milosavljević dr Bratislav Marinković prof. dr Dragoljub Belić prof. dr Goran Poparić	1. J. B. Maljković, F. Blanco, R. Čurik, G. Garcia, B. P. Marinković and A. R. Milosavljević: "Absolute cross sections for electron scattering from furan", J. Chem. Phys. 137 064312 (2012) 2. J. B. Maljković F. Blanco, G. Garcia, B. P. Marinković and A. R. Milosavljević: "Absolute cross sections for elastic electron scattering from methylformamide", Phys. Rev. A 85, 042723

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Tatjana Rokvić-Koroneli 20. 12. 2012.	"Procena doze u fazno kontrastnoj kliničkoj mamografiji sa sinhrotronskim zračenjem"	prof. dr Miodrag Krmar prof. dr Jovan Puzović prof. dr Ivan Aničin	1. E. Castelli, M. Tonutti, F. Arfelli, R. Longo, E. Quai L. Rigon, D. Sanabor, F. Yarconati, D. Dreossi, A. Abrami, E. Quaia, P. Bregant, K. Casarin, V. Chenda, R. H. Menk, T. Rokvic, A. VAscotto, G. Tromba, M. Cova: "Mammography with Synchrotron Radiation: Firs Clinical Experience with Phase - Detection Technique", Radiology 2011; 259 (3): 684.694 2. E. Castelli, F. Arfelli, D. Dreossi, R. Longo, T. Rokvic, M. A. Cova, E. Quaia, M. Tonutti, F. Zaconati, A. Abrami, V. Chenda, R. H. Menk, E. Quai, G. Tromba, P. Bregant, F. de Guarrini: "Clinical mammography at the SYRMEP beam line", Nucl. Instrum. and Methods Phys. Res. A 2007; 572 (1): 237-240

Aleksandra Kalezić-Glišović 9. 11. 2012.	"Uticaj strukturne relaksacije na funkcionalna svojstva amorfnih legura na bazi gvožđa"	prof. dr Aleksa Marić prof. dr Jablan Dojčilović prof. dr Lazar Novaković	1. A. Maričić, Dušan Minić, V. A. Blagojević, A. Kalezić-Glišović, Dragica M. Minić: "Effect of Structural Transformations Preceding Crystallization of Functional Properties of Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ Amorphous Alloy", Intermetallics, Vol. 21(1), 2012, pp. 45-49 2. A. Maričić, M. Spasojević, A. Kalezić-Glišović, L. Ribić-Zelenović, S. Đukić, N. Mitrović: "The stress effect on electrical resistivity sensitivity of FeBSiC amorphous ribbon", Sensors and Actuators: A. Physical, Vol. 174, 2012, pp. 103-106
Nikola Cvetanović 30. 10. 2012.	"Nastanak i transport brzih atoma vodonika u tinjavim pražnjenjima"	prof. dr Milorad Kuraica prof. dr Nikola Konjević doc. dr Bratislav Obradović doc. dr Olivera Šašić	1. N. Cvetanović, B. M. Obradović and M.M. Kuraica: "Monte Carlo simulation for excessive Balmer line broadening generated by transport of fast H Atoms in a abnormal glow discharge", J. Appl. Phys. 105 (2009) 043306 2. N. Cvetanović, B. M. Obradović and M.M. Kuraica: "Influence of cathode material on generation of energetic hydrogen atoms in a glow discharge", J. Appl. Phys. 110 (2011) 073306

Abdula A. Y. Al Mandoos 13. 07. 2012.	"Analiza karakteristika kumulonimbusnih oblaka i efikasnosti stimulisanja padavina iznad istočnih oblasti UAE"	prof. dr Mladen Đurić prof. dr Dejan Janc prof. dr Nevena Petrović	1. J. S. Reid, A. Walker, S. Piketh, S. Cliff, A. Al Mandoos, S. C, Tsay and T. F. Eck: "Dynamic of southwest Asian dust particle size characteristics with implication for global dust research", J. Geophys. Res. 113 (2008), D14212, doi: 10.1029/2007JD009752, M21 2. R. E. Eager, S. Raman, D. L. Westogakm J. S. Reid and A. Al Mandoos: "A climatological study of the sea and land breezes in the Arabian Gulf region", J. Geophys. Res. 113 (2008) D15106, doi: 10.1029/2007JD009710
Ana Banković 11. 07. 2012.	"Sudari i transport pozitrona u gasovima: kinetički fenomeni i mogućnost primena u biomedicini"	dr Zoran Petrović dr Saša Dujko prof. dr Srđan Bukvić doc. dr Đorđe Spasojević doc. dr Goran Poparić	1. A. Banković, S. Dujko, R. D. White, J. P. Marler, S. J. Buckman, S. Marjanović, G. Malović, G. Garcia, Z. Lj. Petrović: "Positron transport in water vapour", New Journal of Physics 14 (2012) 035003 2. A. Banković, J. P. Marler, M. Šuvakov, G. Malović, Z. Lj. Petrović: "Transport coefficients for positron swarms in nitrogen", Nuclear Instruments and Methods in Physics Research B, 266 (2008) 462

Mirjana Sarvan 29. 06. 2012.	"Uticaj termičkog tretmana aluminijuma na luminescentne osobine anodnih oksidnih slojeva"	doc.dr Bečko Kasalica prof. dr Ljubiša Zeković prof. dr Miljenko Perić	1. M. Sarvan, M. Perić, Lj. Zeković, S. Stojadinović, I. Belča, M. Petković, B. Kasalica: "Identification of the C2Π-X2Σ+ band system AIO in the ultraviolet galvanoluminescence obtained during aluminum anodization", Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy (2011), vol. 81, issue 1, 672-678 2. M. Sarvan, S. Stojadinović, B. Kasalica, I. Belča, Lj.Zeković: "Effect of aluminum annealing on the galvanoluminescence properties of anodie oxide films formed in organic electrolytes", Electrochimica Acta (2008), vol. 53, br. 5, 2183-2187
Marija Petković 22.06. 2012.	"Plazma elektrolitička oksidacija ventilnih metala"	doc. dr Stevan Stojadinović prof. dr Ljubiša Zeković doc. dr Rastko Vasilić	1. M. Petković, S. Stojadinović, R. Vasilić, I. Belča, Z. Nedić, B. Kasalica, U. B. Mioč: "Preparation of silicate tungsten bronzes on aluminum by plasma electrolytic oxidation process in 12-tungstosilicic acid", Applied Surface Science 257 (2011) 9555-9561 2. M. Petković, S. Stojadinović, R. Vasilić, Lj. Zeković: "Characterization of oxide coatings formed on tantalum by plasma electrolytic oxidation in 12-tungstosilicic acid", Applied Surface Science 257 (2011) 10590-10594

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Sava Galijaš 28. 03. 2012.	"Model dvostanja nerezonantne populacije Ridbergovih stanja višestruko naelektrisanih jona pri interakciji sa površinom čvrstog tela"	prof. dr Nataša Nedeljković dr Tasko Grozdanov doc. dr Goran Poparić	1. S. M. Galijaš, N. Nedeljković, M D. Majkić: "Resonances in the final Rydberg state population of multiply charged ions ArVIII, KrVIII and XeVIII escaping solid surfaces", Surf. Sci. 605 (2011) 723-732 2. N. N. Nedeljković, S. M. D. Galijaš, M. D. Majkić: "Final Rydberg state population probabilities of multiply charged ions escaping solid surfaces", Surf. Sci. 603 (2009) 2403-2412
Marija Mitrović 26. 03. 2012.	"Struktura i dinamika tehno-socijalnih mreža"	prof. dr Bosiljka Tadić dr Aleksandar Belić prof. dr Sunčica Elezović-Hadžić prof. dr Milan Knežević dr Milan Rajković doc. dr Vladimir Miljković	1. M. Mitrović, B. Tadić: "Spectral and dynamical properties in classes of sparse networks with mesoscopic inhomogeneities", Physical Review E 80 (2) 026123 (2009) 2. M. Mitrović, G. Paltoglou, B. Tadić: "Quantitative analysis of bloggers collective behavior powered by emotions", Journal of Statistical Mechanics: Theory and Experiment, P02005 (2011)

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Sanja Janićijević	"Dinamika dvodimenzionalnog Izingovog modela u slučajnom polju"	doc. dr Đorđe Spasojević prof. dr Milan Knežević prof. dr Srđan Bukvić prof. dr Dragica Knežević	1. Dj. Spasojević, S. Janićević, M. Knežević: "Numerical evidence for critical behavior of the two-dimensional nonequilibrium zero-temperature random field ising model", Physical Review Letters, 106, 175701 (2011) 2. Dj. Spasojević, S. Janićević, M. Knežević: "Avalanche distributions in two-dimensional nonequilibrium zero-temperature random field ising model", Physical Review E, 84, 051119 (2011)
16. 03. 2012.			
Nikola Škoro	"Proboj i formiranje gasnih pražnjenja od standardnih do mikroskopskih dimenzija"	dr Dragana Marić prof. dr Srđan Bukvić dr Zoran Petrović prof. dr Aleksandar Srećković doc. dr Bratislav Obradović	1. "Breakdown, scaling and volt-ampere characteristics of low current micro-discharges", Z. Lj. Petrović, N. Škoro, D. Marić, C. M. O. Mahony, P. D. Maguire, M. Radmilović-Radjenović and G. Malović J. Phys. D: Appl. Phys. 41 (2008) 194002 2. "Effective Discharge Area of Nonequilibrium DC Discharges", N. Škoro, D. Marić, Z. Lj. Petrović, IEEE Trans. Plasma Sci., vol. 36, No. 4 (2008) 994-995
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Milorad Šiljegović 28. 12. 2011.	"Dielektrične i optičke osobine modificovanih kopolimera"	dr Zorica Kačarević-Popović prof. dr Jablan Dojčilović prof. dr Dragoljub Belić	1. M. Šiljegović, Z. M. Kačarević-Popović, A. N. Krklješ, Z. Stojanović, Z. M. Jovanović, "Effect of N4+ and C4+ ion beam bombardment on the optical and structural characteristics of ethylen-norbornene copolymer (TOPAS)", Nucl. Instr. Meth. Phys. Res. B 269 (2011) 708-715 2. M. Šiljegović, Z. M. Kačarević-Popović, N. Bibić, Z. M. Jovanović, S. Maletić, M. Stchakovsky, A. N. Krklješ, "Optical and dielectric properties of fluorinated ethylene propylene and tetrafluoroethylene- perfluoro (alkoxy vinyl ether) copolymer films modified by low energy N4+ and C4+ ion beams", Radiat. Phys. Chem. 80 (2011) 1378-1385
Radomir Banjanac 23. 12. 2011.	"Vremenski promenljive komponente fona u niskofonskoj podzemnoj laboratoriji"	prof. dr Jovan Puzović doc. dr Marija Dimitrijević prof. dr Ivan Aničin dr Aleksandar Dragić	1. A. Dragić, R. Banjanac, V. Udovičić, D. Joković, I. Aničin, J. Puzović, Comparative study of power spectra of ground and shallow underground muon data, International Journal of Modern Physics A 29 (2005) 6953-6955. 2. V. Udovičić, B. Grabež, A. Dragić, R. Banjanac, D. Joković, B. Panic, D. Joksimović, J. Puzović, I. Aničin, Radon problem in an underground low-level laboratory, Radiation Measurements 44 (2009) 1009-1012.

Dejan Joković	"Detekcija i spektroskopija miona iz kosmičkog zračenja plastičnim scintilacionim detektorima"	prof. dr Jovan Puzović prof. dr Ovan Aničin prof. dr Ištvan Bikit	1. D. R. Joković, A. Dragić, V. Udovičić, R. Banjanac, J. Puzović, I. Aničin, Monte Carlo simulations of the response of a plastic scintillator and an HPGe spectrometer in coincidence, Applied Radiation and Isotopes 67 (2009) 719-722. 2. A. Dragić, D. Joković, R. Banjanac, V. Udovičić, B. Panić, J. Puzović, I. Aničin, Measurement of cosmic ray muon flux in the Belgrade ground level and underground laboratories, Nuclear Instruments and Methods in Physics Research A 591 (2008) 470-475.
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Ivana Vidanović	"Numeričko proučavanje kvantnih gasova na niskim temperaturama (Numerical Study of Quantum Gases at Low Temperatures)"	dr Antun Balaž prof. dr Sunčica Elezović-Hadžić prof. dr Milan Knežević dr Aleksandar Bogojević	1. "Nonlinear Bose-Einstein-condensate Dynamics Induced by a Harmonic Modulation of the s-wave Scattering Length" I. Vidanović, A. Balaž, H. Al-Jibbouri, A. Pelster, Phys. Rev. A 84, 013618 (2011) 2. "Ultra-Fast Converging Path-Integral Approach for Rotating Ideal Bose-Einstein Condensates", A. Balaž, I. Vidanović, A. Bogojević, A. Pelster, Phys. Lett. A 374, 1539 (2010)
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Dušan Božanić 23. 06. 2011.	"Ispitivanja fizičkih osobina nanočestica plemenitih metala dispergovanih u sintetičkim polimerima i biopolimerima"	dr Vladimir Đoković prof. dr Jablan Dojčilović prof. dr Nataša Nedeljković dr Vesna Vodnik	1. D.K. Božanić, S. Dimitrijević-Branković, N. Bibić, A. S. Luyt and V. Djoković, "Silver nanoparticles encapsulated in glycogen biopolymer: morphology, optical and antimicrobial properties", Carbohydrate Polymers 83, 883 (2011) 2. D. K. Božanić, M. Ivković, N. Bibić, J. Hegewald, J. Pionteck, R. Žikić and V. Djoković, "PS-NH₂+PMMA-COOH blend: a promising substrate material for the deposition of densely packed gold nanoparticles", Physica Status Solidi - Rapid Research Letters 4, 85 (2010)

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Mila Pandurović 9. 03. 2011.	"Fon u merenju luminoznosti i razvoj metode za identifikaciju b kvarka u eksperimentima ILC (International Linear Collider) i H1"	dr Ivanka Božović-Jelisavčić prof. dr Snežana Drndarević prof. dr Jovan Puzović prof. dr Dragomir Krpić	1. "Measurement of the charm and beauty structure functions using the H1 vertex detector at HERA", F. D. Aaron, I. Božović-Jelisavčić, M. Pandurović, I. Smiljanić et.al. [H1 Collaboration], Eur. Phys. J. C (1-2) (January 2010) 89-111 2. H. Abramowicz, I. Božović-Jelisavčić, T. Jovin, M. Pandurović, I. Smiljanić et.al. [FCAL Collaboration], Forward Instrumentation for ILC Detectors, 2010_JINST_5_P12002, (December 2010), 28pp
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Dragana Cerović 21. 01. 2011.	"Fizički procesi u filtrima dobijenim od polimernih vlakana"	prof. dr Jablan Dojčilović doc. dr Zoran Nikolić prof. dr Tatjana Mihajlidi dr Dušan Kostoski	1. D. D. Cerović, J. R. Dojčilović, K. A. Asanović, T. A. Mihajlidi "Dielectric investigation of some woven fabrics", 2009 Journal of Applied Physics, Vol. 106, Issue 8, 2009. 2. K. A. Asanović, T. A. Mihajlidi, S. V. Milosavljević, D. D. Cerović, J. R. Dojčilović "Investigation of the electrical behavior of some textile materials", Journal of Electrostatics, 65 (2007) 162-167
Duško Latas 14. 01. 2011.	"Renormalizabilnost nekomutativnog standardnog modela"	prof. dr Maja Burić prof. dr Voja Radovanović dr Đorđe Šijački prof. dr Josip Trampetić doc. dr Marija Dimitrijević	1. D. Latas, V. Radovanović and J. Trampetić, Noncommutative SU (N) gauge theory and asymptotic freedom, Phys. Rev. D 76 (2007) 085006 2. M. Burić, D. Latas, V. Radovanović and J. Trampetić, Absence of the 4fi divergence in noncommutative chiral models, Phys. Rev. D 77 (2008) 045031
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