1087 citata bez autocitata (heterocitati):

Radovi 2000.

D. Borka, S. Petrovic, S. Kossionides and N. Neškovic, Doughnut effect with a hexagonal thin crystal, Book of Contributed Papers of the 20th Summer School and International Symposium on the Physics of Ionized Gases, Zlatibor, September 4-8 (Faculty of Physics, Belgrade, 2000), p. (183-186).
цитира се у:
1. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0

Radovi 2001.

Radovi 2002.

N. Neškovic, S. Petrovic, D. Borka and S. Kossionides, Rainbows with a tilted <111> Si very thin crystal, Physics Letters A 304/3-4, 114-119 (2002).
цитира се у:
1. M. Motapothula, Z.Y. Dang, T. Venkatesan, M.B.H. Breese, M.A. Rana, A. Osman, Axial ion channeling patterns from ultra-thin silicon membranes, Nuclear Instruments and Methods in Physics Research B 283 (2012) 29–34.
2. Igor N. Telecki, Jonska optika elektrostatickog duginog sociva, doktorska disertacija, Beograd, 2013.
3. MOTAPOTHULA, M. R., Ion channeling in ultra thin crystals (Doctoral dissertation), National University of Singapore, (2013).
4. N. Neškovic, S. Petrovic, "Crystal rainbows", Journal of Electron Spectroscopy and Related Phenomena 129, 233-241 (2003).
5. N. Neškovic, I. Telecki, B. Bojovic, S. Petrovic, A square electrostatic rainbow lens: Catastrophic ion beam focusing, Nuclear Instruments and Methods in Physics Research A 635 (1), pp. 1-7, (2011).
6. Neškovic, N., Belicev, P., Telecki, I., & Petrovic, S. (2014). Rainbow Lenses. In Advances in Imaging and Electron Physics (pp.123–186). Academic Press: Elsevier Inc. ISBN: 9780128001462.
7. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0

D. Borka, S. Petrovic, S. Kossionides, N. Neškovic, Transmission patterns of protons channeled through a tilted hexagonal thin crystal. Book of Contributed Papers of the 21th Summer School and International Symposium on the Physics of Ionized Gases, Sokobanja, 26–30 Aug 2002 (Faculty of Sciences and Mathematics of the University of Niš, Niš, 2002), p. 210
цитира се у:

1. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of ChargedParticles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0

Duško Borka, Magistarska teza, "Duge sa zakrenutim tankim kristalom <111> silicijuma", Fizicki fakultet, Univerzitet u Beogradu, 2002.
цитира се у:
1. Igor N. Telecki, Jonska optika elektrostatickog duginog sociva, doktorska disertacija, Beograd, 2013.

Radovi 2003.

D. Borka, S. Petrovic and N. Neškovic, Doughnuts with a <110> very thin Si crystal, Journal of Electron Spectroscopy and Related Phenomena 129, 183-187 (2003).
цитира се у:
1. Dang, Z.Y., Motapothula, M., Ow, Y.S., Venkatesan, T., Breese, M.B.H., Rana, M.A., Osman, A. , Fabrication of large-area ultra-thin single crystal silicon membranes, Applied Physics Letters 99 (22) , 223105, (2011).
2. M. Motapothula, Z.Y. Dang, T. Venkatesan, M. B. H. Breese, M. A. Rana, and A. Osman, Influence of the Narrow {111} Planes on Axial and Planar Ion Channeling, Phys. Rev. Lett. 108, 195502 (2012).
3. M. Motapothula, Z.Y. Dang, T. Venkatesan, M.B.H. Breese, M.A. Rana, A. Osman, Axial ion channeling patterns from ultra-thin silicon membranes, Nuclear Instruments and Methods in Physics Research B 283 (2012) 29–34.
4. Igor N. Telecki, Jonska optika elektrostatickog duginog sociva, doktorska disertacija, Beograd, 2013.
5. MOTAPOTHULA, M. R., Ion channeling in ultra thin crystals (Doctoral dissertation), National University of Singapore, (2013).
6. Motapothula, M., Z. Y. Dang, T. Venkatesan, and M. B. H. Breese. "A study of ion channeling patterns at minor axes in silicon." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms 330 (2014): 24-32.
7. N. Neškovic and S. Petrovic, ”Rainbows with Crystals and Nanotubes” Nanosci. Nanotechnol. Lett. 4, 1033-1043, (2012).
8. M. Motapothula, S. Petrovic, N. Neskovic, Z. Y. Dang, M. B. H. Breese, M. A. Rana, and A. Osman, „Origin of ringlike angular distributions observed in rainbow channeling in ultrathin crystals“, PHYSICAL REVIEW B 86, 205426 (2012).
9. Neškovic, N., Belicev, P., Telecki, I., & Petrovic, S. (2014). Rainbow Lenses. In Advances in Imaging and Electron Physics (pp.123–186). Academic Press: Elsevier Inc. ISBN: 9780128001462.
10. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0

D. Borka, S. Petrovic, N. Neškovic, Angular distributions of protons transmitted through carbon nanotubes. Proceedings of the Fifth General Conference of the Balkan Physical Union, Section 6: Condensed Matter Physics, Vrnjacka Banja, 25–29 Aug 2003 (Serbian Physical Society, Belgrade, 2003), p. 625
цитира се у:

1. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of ChargedParticles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0

Radovi 2004.

Radovi 2005.

S. Petrovic, D. Borka and N. Neškovic, Rainbows in transmission of high energy protons through carbon nanotubes, European Physical Journal B 44, p. 41-45 (2005).
Цитира се у:
1. Miškovic, Z.L, Ion channeling through carbon nanotubes, Radiation Effects and Defects in Solids, 162/3-4, p. 185-205 (2007).
2. Li-Ping Zheng, Zhi-Yuan Zhu, Yong Li, Long Yan, De-Zhang Zhu, Isotopic mass effects for low-
energy channeling in silicon crystals , Radiation Effects and Defects in Solids: Volume: 166 Issue: 11 Pages: 861-865 DOI: 10.1080/10420150.2010.502172 (2011).
3. Li-Ping Zheng, Zhi-Yuan Zhu, Yong Li, Frank O. Goodman, Reply to ‘‘Comment on an improved critical angle equation for channeling’’ Nuclear Instruments and Methods in Physics Research B 269, p. 557–558, (2011).
4. Igor N. Telecki, Jonska optika elektrostatickog duginog sociva, doktorska disertacija, Beograd, 2013.
5. MOTAPOTHULA, M. R., Ion channeling in ultra thin crystals (Doctoral dissertation), National University of Singapore, (2013).
6. Marko M. Cosic, Kvantne duge pri kanalisanju pozitrona u ugljenicnim nanocevima, doktorska disertacija, Beograd, 2014.
7. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.
8. N. Neškovic, Rainbows with crystals and nanotubes, XVIII Symposium of Condensed Matter Physics SFKM 2011, Belgrade, Serbia, Book of Abstracts, p.34
9. M. Cosic, S. Petrovic and N. Neškovic, Quantum channeling of 1 MeV positrons in a verz short (11, 9) single-wall carbon nanotube, XVIII Symposium of Condensed Matter Physics SFKM 2011, Belgrade, Serbia, Book of Abstracts, p.76
10. N. Neškovic and S. Petrovic, ”Rainbows with Crystals and Nanotubes” Nanosci. Nanotechnol. Lett. 4, 1033-1043 (2012).
11. M. Motapothula, S. Petrovic, N. Neskovic, Z. Y. Dang, M. B. H. Breese, M. A. Rana, and A. Osman, „Origin of ringlike angular distributions observed in rainbow channeling in ultrathin crystals“, PHYSICAL REVIEW B 86, 205426 (2012).
12. S. Petrovic, M. Cosic, and N. Neškovic, Quantum rainbow channeling of positrons in very short carbon nanotubes, PHYSICAL REVIEW A 88, 012902-1-11 (2013).
13. M. Cosic, S. Petrovic and S. Bellucci, Rainbow channeling of protons in very short carbon nanotubes with aligned Stone-Wales defects, Nuclear Instruments and Methods in Physics Research B 367, p. 37–45 (2016).
14. M. Cosic, S. Petrovic, and N. Neškovic. "Quantum primary rainbows in transmission of positrons through very short carbon nanotubes." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms 373 (2016): 52-62.

15. Степанов Антон Викторович, КАНАЛИРОВАНИЕ АТОМНЫХ ЧАСТИЦ НИЗКИХ ЭНЕРГИЙ В УГЛЕРОДНЫХ НАНОТРУБКАХ, Диссертация, Чебоксары, 2017.16. Stepanov, A. V., and G. M. Filippov. "Channeling of low energy atomic particles in carbon nanotubes with heterojunctions." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Volume: 402 Pages: 263-266 Published: JUL 1 2017.
17. Majidian, M., 2016. Polymer-Carbon Nanostructures Composites: From Chemistry to Physics, to Material Science (Doctoral dissertation, Ecole Polytechnique Fédérale de Lausanne).
18. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0
19. M. Ćosić, S. Petrović, N. Nešković, The forward rainbow scattering of low energy protons by a graphene sheet, Nuclear Inst, and Methods in Physics Research B 422 (2018). 54–62.
20. Ćosić, M., M. Hadžijojić, R. Rymzhanov, S. Petrović, and S. Bellucci. "Investigation of the graphene thermal motion by rainbow scattering." Carbon 145 (2019) 161-174. https://doi.org/10.1016/j.carbon.2019.01.020
21. Marko Ćosić, Srdjan Petrovic and Nebojša Nešković, Quantum Rainbows in Positron Transmission Through Carbon Nanotubes, Atoms 7(1) 16, 2019.
22. Ćosić, M., N. Nešković, and S. Petrović. "Superfocusing and zero-degree focusing in planar channeling of protons in a thin silicon crystal." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms 444 (2019): 10-22.
23. Haždijojić, M., M. Ćosić, and Ruslan Rymzhanov. "Morphological Analysis of the Rainbow Patterns Created by Point Defects of Graphene." The Journal of Physical Chemistry C 125, no. 38 (2021): 21030-21043.
24. Starčević, N., 2022. *Dugin potencijal interakcije jona i kristala pri kanalisanju* (Doctoral dissertation, Univerzitet u Beogradu-Fizički fakultet).

S. Petrovic, D. Borka and N. Neškovic, Rainbow effect in channeling of high energy protons through single-wall carbon nanotubes, Nuclear Instruments and Methods in Physics Research B 234, p. 78-86 (2005).

цитира се у:

1. Miškovic, Z.L, Ion channeling through carbon nanotubes, Radiation Effects and Defects in Solids, 162/3-4, p. 185-205 (2007).
2. Marko M. Cosic, Kvantne duge pri kanalisanju pozitrona u ugljenicnim nanocevima, doktorska disertacija, Beograd, 2014.
3. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.
4. M. Cosic, S. Petrovic and N. Neškovic, Quantum rainbow characterization of short chiral carbon nanotubes, Nuclear Instruments and Methods in Physics Research B 323 (2014) 30–35
5. Степанов Антон Викторович, КАНАЛИРОВАНИЕ АТОМНЫХ ЧАСТИЦ НИЗКИХ ЭНЕРГИЙ В УГЛЕРОДНЫХ НАНОТРУБКАХ, Диссертация, Чебоксары, 2017.
6. Stepanov, A. V., and G. M. Filippov. "Channeling of low energy atomic particles in carbon nanotubes with heterojunctions." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Volume: 402 Pages: 263-266

Published: JUL 1 2017.
7. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0
8. Marko Ćosić, Srdjan Petrović and Nebojša Nešković, Quantum Rainbows in Positron Transmission Through Carbon Nanotubes, Atoms 7(1) 16, 2019.

N. Neškovic, S. Petrovic and D. Borka, Angular distributions of 1GeV protons channeled in bent short single-wall carbon nanotubes, Nuclear Instruments and Methods in Physics Research B 230, p. 106-111 (2005).
цитира се у:
1. Miškovic, Z.L, Ion channeling through carbon nanotubes, Radiation Effects and Defects in Solids, 162/3-4, p. 185-205 (2007).
2. Zhou D.-P., Song Y.-H., Wang Y.-N., Miškovicì, Z.L., Coulomb explosions and stopping of molecular ions channeled through carbon nanotubes, Physical Review A - Atomic, Molecular, and Optical Physics, 73 (3), p. 1-8 (2006).
3. Zhou D.-P., Wang Y.-N., Wei L., Mikovic, Z.L., Dynamic polarization effects in ion channeling through single-wall carbon nanotubes, Physical Review A - Atomic, Molecular, and Optical Physics, 72 (2), p. 1-7. (2005).
4. Casio Stein Moura and Livio Amaral, Carbon nanotube ropes proposed as particle pipes, Carbon 45, p. 1802-1807 (2007).
5. Li-Ping Zheng, Zhi-Yuan Zhu, Yong Li, Long Yan, De-Zhang Zhu, Isotopic mass effects for low-energy channeling in silicon crystals, Radiation Effects and Defects in Solids: Volume: 166 Issue: 11 Pages: 861-865 DOI: 10.1080/10420150.2010.502172 (2011).
6. Li-Ping Zheng, Zhi-Yuan Zhu, Yong Li, Frank O. Goodman, Reply to ‘‘Comment on an improved critical angle equation for channeling’’ Nuclear Instruments and Methods in Physics Research B 269, p. 557–558, (2011).
7. Igor N. Telecki, Jonska optika elektrostatickog duginog sociva, doktorska disertacija, Beograd, 2013.
8. Marko M. Cosic, Kvantne duge pri kanalisanju pozitrona u ugljenicnim nanocevima, doktorska disertacija, Beograd, 2014.
9. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.
10. M. Cosic, S. Petrovic, N. Neškovic, Computational method for the long time propagation of quantum channeled particles in crystals and carbon nanotubes, Nuclear Instruments and Methods in Physics Research B 330 (2014) 33–41.
11. M. Cosic, S. Petrovic and S. Bellucci, Rainbow channeling of protons in very short carbon nanotubes with aligned Stone-Wales defects, Nuclear Instruments and Methods in Physics Research B 367, p. 37–45 (2016).
12. Степанов Антон Викторович, КАНАЛИРОВАНИЕ АТОМНЫХ ЧАСТИЦ НИЗКИХ ЭНЕРГИЙ В УГЛЕРОДНЫХ НАНОТРУБКАХ, Диссертация, Чебоксары, 2017.
13. Stepanov, A. V., and G. M. Filippov. "Channeling of low energy atomic particles in carbon nanotubes with heterojunctions." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Volume: 402 Pages: 263-266 Published: JUL 1 2017.
14. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0

D. Borka, S. Petrovic, N. Neškovic, Axial channeling of high energy protons in carbon nanotubes. Proceeding of the 1st International Workshop on Nanoscience and Nanotechnol-ogy (IWON 2005), Belgrade, 15–18 Nov 2005 (Institute of Chemistry, Technology and Metallurgy, Belgrade, 2005), p. 119
цитира се у:

1. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0D.

D. Borka, S. Petrović and N. Nešković, Rainbow effect in channeling of high energy protons in (10, 0) single-wall carbon nanotubes, Materials Science Forum 494, 89-94 (2005).
цитира се у:
1. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0
2. Ćosić, M., M. Hadžijojić, R. Rymzhanov, S. Petrović, and S. Bellucci. "Investigation of the graphene thermal motion by rainbow scattering." Carbon 145 (2019) 161-174.
https://doi.org/10.1016/j.carbon.2019.01.020

Radovi 2006.

D. Borka, S. Petrovic and N. Neškovic, Channeling star effect with bundles of carbon nanotubes, Physics Letters A 354/5-6, p. 457-461 (2006).
цитира се у:
1. Miškovic, Z.L, Ion channeling through carbon nanotubes, Radiation Effects and Defects in Solids, 162/3-4, p. 185-205 (2007).
2. Mowbray D.J., Zuloaga J., Miškovic, Z.L and Goodman, F.O., Stopping power for ion channeling through carbon nanotubes, Radiation Effects and Defects in Solids, 162/7-8, p. 523-530 (2007).
3. Marko M. Cosic, Kvantne duge pri kanalisanju pozitrona u ugljenicnim nanocevima, doktorska disertacija, Beograd, 2014.
4. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.
5. N. Neškovic, Rainbows with crystals and nanotubes, XVIII Symposium of Condensed Matter Physics SFKM 2011, Belgrade, Serbia, Book of Abstracts, p.34
6. N. Neškovic and S. Petrovic, ”Rainbows with Crystals and Nanotubes”
Nanosci. Nanotechnol. Lett. 4, 1033-1043, (2012).
7. M. Motapothula, S. Petrovic, N. Neskovic, Z. Y. Dang, M. B. H. Breese, M. A. Rana, and A. Osman, „Origin of ringlike angular distributions observed in rainbow channeling in ultrathin crystals“, PHYSICAL REVIEW B 86, 205426 (2012).

8. M. Cosic, S. Petrovic and N. Neškovic, Quantum rainbow characterization of short chiral carbon nanotubes, Nuclear Instruments and Methods in Physics Research B 323 (2014) 30–35.
9. M. Cosic, S. Petrovic and S. Bellucci, Rainbow channeling of protons in very short carbon nanotubes with aligned Stone-Wales defects, Nuclear Instruments and Methods in Physics Research B 367, p. 37–45 (2016).
10. Mahmoud Salman, Studies of Radial Deformation Effect on the Channeling Potential in Carbon Nanotubes, Suez Canal University, PhD Thesis, June 2016.
DOI: 10.13140/RG.2.2.33830.11845
11. Степанов Антон Викторович, КАНАЛИРОВАНИЕ АТОМНЫХ ЧАСТИЦ НИЗКИХ ЭНЕРГИЙ В УГЛЕРОДНЫХ НАНОТРУБКАХ, Диссертация, Чебоксары, 2017.
12. Stepanov, A. V., and G. M. Filippov. "Channeling of low energy atomic particles in carbon nanotubes with heterojunctions." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Volume: 402 Pages: 263-266 Published: JUL 1 2017.
13. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0
14. A. S. Sabirov, Polarization-Field Influence on Light-Ion Channeling in Carbon Nanotubes, Journal of Surface Investigation: X-ray, Synchrotron and Neutron Techniques, 2018, Vol. 12, No. 4, pp. 811–815.
15. Ćosić, M., M. Hadžijojić, R. Rymzhanov, S. Petrović, and S. Bellucci. "Investigation of the graphene thermal motion by rainbow scattering." Carbon 145 (2019) 161-174.
16. Marko Ćosić, Srdjan Petrović and Nebojša Nešković, Quantum Rainbows in Positron Transmission Through Carbon Nanotubes, Atoms 7(1) 16, 2019.

D. Borka, S. Petrovic, N. Neškovic, D. J. Mowbray and Z. L. Miškovic, Influence of the dynamical image potential on the rainbows in ion channeling through short carbon nanotubes, Phys. Rev. A 73, pp. 062902-1 --- 062902-8 (2006).
цитира се у:

1. Li-Ping Zheng, Zhi-Yuan Zhu, Yong Li, De-Zhang Zhu, Hui-Hao Xia, Ion mass dependence for low energy channeling in single-wall nanotubes, Nuclear Instruments and Methods in Physics Research B 266, p. 849-852 (2008).
2. Li-Ping Zheng, Zhi-Yuan Zhu, Yong Li, De-Zhang Zhu, Hui-Hao Xia, Isotopic mass effects for low-energy ion channeling in single-wall carbon nanotubes, Journal of Physical Chemistry C 112, p. 15204-15206 (2008).
3. Ivan Radovic, Interakcija jona sa grafenom, doktorska disertacija, Beograd, 2008.
4. Alexandrov, V. A., Didenco, P. I., Kulikauskas, V. S., Sabirov, A. S., Filippov, G. M., Chernysh, V. S., Ion motion in a system of partially ordered nanotubes, Bulletin of the Russian Academy of Sciences: Physics, vol. 74, issue 11, pp. 1633-1636, 2010.
5. H. Winter, A. Schüller, Fast atom diffraction during grazing scattering from surfaces, Progress in Surface Science 86, 169–221 (2011)
6. Sabirov A. S., Calculation of the energy losses of charged particles upon motion near a nanotube within dielectric formalism, Journal of surface investigation-x-ray synchrotron and neutron techniques, Volume: 6 Issue: 2 Pages: 343-347 Published: APR 2012
7. I. V. Lysova, Focusing of Atomic and Molecular Particles upon Channeling in Chiral Carbon Nanotubes, ISSN 1027-4510, Journal of Surface Investigation. X-ray, Synchrotron

and Neutron Techniques, 2013, Vol. 7, No. 1, pp. 130–132.
8. Igor N. Telecki, Jonska optika elektrostatickog duginog sociva, doktorska disertacija, Beograd, 2013.
9. Schüller, Andreas: Quanten-Regenbogenstreuung bei axialer Oberflächen-Gitterführung schneller Atome – Fast Atom Diffraction; Doctoral Dissertation, Humboldt-Universität zu Berlin, Mathematisch-Naturwissenschaftliche Fakultät I, publiziert am 27.08.2010, urn:nbn:de:kobv:11-100174325
10. Aleksandrov, V. A., Stepanov, A. V., & Filippov, G. M. (2012). The polarization property of nanotubes with taking into account the radial motion of valence electrons. arXiv preprint arXiv:1204.0689.
11. Sabirov, A. S. "Study of the influence of polarization fields on the channeling of charged particles in nanotubes using the dielectric approach." Journal of Surface Investigation. X-ray, Synchrotron and Neutron Techniques 8, no. 2 (2014): 297-300.
12. A. S. Sabirov, Fast ions channeling in nanotubes of weak chaotic curvature, NuclearInstruments and Methods in Physics Research B, Volume 355, 15 July 2015, Pages 320–323.
13. Nataliya Kalashnyk, Khemliche, Hocine and Philippe Roncin, “Atom beam triangulation of organic layers at 100 meV normal energy: self-assembled perylene on Ag(1 1 0) at room temperature”, Applied Surface Science, Volume 364, p. 235-240, (2016).
14. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.
15. Mowbray, D.J., Chung, S., Miškovic´, Z.L., Goodman, F.O., Channelling of dipolar molecules through carbon nanotubes, Nanotechnology 18 (42), art. no. 424034, (2007).
16. Mowbray, D.J., Zuloaga, J., Miskovic, Z.L. Goodman, F.O., Stopping power for ion channeling through carbon nanotubes, Radiation Effects and Defects in Solids 162 (7-8), pp. 523-530, (2007).
17. Mowbray D.J., Zuloaga J., Miškovic, Z.L and Goodman, F.O., Stopping power for ion channeling through carbon nanotubes, Radiation Effects and Defects in Solids, 162/7-8, p. 523-530 (2007).
18. Miškovic, Z.L, Ion channeling through carbon nanotubes, Radiation Effects and Defects in Solids, 162/3-4, p. 185-205 (2007).
19. Duncan J. Mowbray, Hydrodynamic Modelling of the Electronic Response of Carbon Nanotubes, Doctor thesis, University of Waterloo, Department of Applied Mathematics, Waterloo, Ontario, Canada, February 2007.
20. I. Radovic, Lj. Hadžievski, N. Bibic, and Z. L. Miškovic, Non-linear effects in the forces acting on fast charged particles passing over two-dimensional electron gas, Materials Chemistry and Physics, Vol. 118 (2009) pp. 293-297.
21. I. Radovic, Lj. Hadžievski, N. Bibic, and Z. L. Miškovic, Interactions of fast ions with graphene, Hemijska industrija, Vol. 63 (2009) pp. 151-157.
22. D. J. Mowbray, S. Segui, J. Gervasoni, Z. L. Miškovic, and N. R. Arista, Plasmon excitations on a single-wall carbon nanotube by external charges: two-dimensional, two-fluid hydrodynamic model, Phys. Rev. B 82, 035405 (2010).
23. Book chapter: Villo-Perez, Z. L. Miškovic, and N. R. Arista, Plasmon spectra of nano-structures:hydrodynamic model", in: Trends in Nanoscience: Theory, Experiment, Technology, Eds. A. Aldea and V. Barsan, (Springer Berlin Heidelberg, 2010), p. 217-256, ISBN 9783642120701.
24. I. Radovic, N. Bibic, and Z. L. Miškovic, Interactions of ions with graphene, Journal of Physics: Conference Series 257, 012011 , p. 1-8 (2010).

25. N. Neškovic, Rainbows with crystals and nanotubes, XVIII Symposium of Condensed Matter Physics SFKM 2011, Belgrade, Serbia, Book of Abstracts, p.34
26. S. Petrovic, M. Cosic, and N. Neškovic, Quantum rainbow channeling of positrons in very short carbon nanotubes, PHYSICAL REVIEW A 88, 012902-1-11 (2013).
27. Neškovic, N., Belicev, P., Telecki, I., & Petrovic, S. (2014). Rainbow Lenses. In Advances in Imaging and Electron Physics (pp.123–186). Academic Press: Elsevier Inc. ISBN: 9780128001462.
28. M. Cosic, S. Petrovic, N. Neškovic, Computational method for the long time propagation of quantum channeled particles in crystals and carbon nanotubes, Nuclear Instruments and Methods in Physics Research B 330 (2014) 33–41.
29. Sabirov, A. S., and I. V. Lysova. "Simulation of Fast-Ion motion in nanotubes with random bending." Journal of Surface Investigation. X-ray, Synchrotron and Neutron Techniques 10.1 (2016): 261-265.
30. M. Cosic, S. Petrovic, and N. Neškovic. "Quantum primary rainbows in transmission of positrons through very short carbon nanotubes." Nuclear Instruments and Methods in PhysicsResearch Section B: Beam Interactions with Materials and Atoms 373 (2016): 52-62.
31. Nataliya Kalashnyk, Hocine Khemliche, Philippe Roncin, Atom beam triangulation of organic layers at 100 meV normal energy: self-assembled perylene on Ag(110) at room temperature, Applied Surface Science 364 (2016) 235–2.
32. Abu-Assy, M. K., and M. S. Soliman. "Channeling potential in single-walled carbon nanotubes: The effect of radial deformation." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms 384 (2016): 93-99.
33. Степанов Антон Викторович, КАНАЛИРОВАНИЕ АТОМНЫХ ЧАСТИЦ НИЗКИХ ЭНЕРГИЙ В УГЛЕРОДНЫХ НАНОТРУБКАХ, Диссертация, Чебоксары, 2017.
34. Stepanov, A. V., and G. M. Filippov. "Channeling of low energy atomic particles in carbon nanotubes with heterojunctions." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Volume: 402 Pages: 263-266 Published: JUL 1 2017.
35. Majidian, M., 2016. Polymer-Carbon Nanostructures Composites: From Chemistry to Physics, to Material Science (Doctoral dissertation, Ecole Polytechnique Fédérale de Lausanne).
36. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0
37. Dedkov, George V. "Van der Waals Interactions of Moving Particles with Surfaces of Cylindrical Geometry." *Universe* 7, no. 4 (2021): 106.
38. Preciado Rivas, Maria Rosa, Milad Moshayedi, and Zoran L. Mišković. "On the role of the energy loss function in the image force on a charge moving over supported graphene." Journal of Applied Physics 130, no. 17 (2021): 173103.
39. Moshayedi, Milad, Maria Rosa Preciado Rivas, and Zoran L. Mišković. "Stopping and image forces on a charged particle moving parallel to an anisotropic two-dimensional material." Physical Review B 105, no. 7 (2022): 075429.
40. Preciado Rivas María Rosa. "Theoretical Description of the Forces on a Point Charge Moving Parallel to a Supported Two-dimensional Material." Master's thesis, University of Waterloo, 2022.
41. Kalinić, Ana, Vito Despoja, Ivan Radović, Lazar Karbunar, and Zoran L. Mišković. "Stopping and image forces acting on a charged particle moving near a graphene-Al2O3-graphene heterostructure." Physical Review B 106, no. 11 (2022): 115430.

Душко Борка. ДУГЕ СА КРАТКИМ УГЉЕНИЧНИМ НАНОЦЕВИМА. Докторска дисертација. Инсповатитут за нуклеарне науке "Винча" Београд, 2006. год.
цитира се у:
1. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.

Radovi 2007.

D. Borka, S. Petrovic, N. Neškovic, D. J. Mowbray and Z. L. Miškovic, Influence of the dynamical polarization effect on the angular distributions of protons channeled in double-wall carbon nanotubes, Nuclear Instruments and Methods in Physics Research B 256, 131-136 (2007).
цитира се у:
1. Duncan J. Mowbray, Hydrodynamic Modelling of the Electronic Response of Carbon Nanotubes, Doctor thesis, University of Waterloo, Department of Applied Mathematics Waterloo, Ontario, Canada, February 2007.

Radovi 2008.

D. Borka, D. J. Mowbray, Z. L. Miškovic, S. Petrovic and N. Neškovic, Dynamic polarization effects on the angular distributions of protons channeled through carbon nanotubes in dielectric media, Phys. Rev. A 77, pp.032903-1 --- 032903-13 (2008).
цитира се у:
1. Ivan Radovic, Interakcija jona sa grafenom, doktorska disertacija, Beograd, 2008.2. Marko M. Cosic, Kvantne duge pri kanalisanju pozitrona u ugljenicnim nanocevima, doktorska disertacija, Beograd, 2014.
3. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.
4. Z. L. Miškovic, Interactions of ions with carbon nano-structures, Journal of Physics: Conference Series 133, 012011, p. 1-11, (2008).
5. Z. L. Miškovic, Ion interactions with carbon nano-structures, 18 th International Workshop on Inelastic Ion-Surface Collisions (IISC-18), September 26 – October 1, 2010, Gatlinburg, Tennessee, USA.
6. I. Radovic, N. Bibic, and Z. L. Miškovic, Interactions of ions with graphene, Journal of Physics: Conference Series 257, 012011 , p. 1-8 (2010).
7. Степанов Антон Викторович, КАНАЛИРОВАНИЕ АТОМНЫХ ЧАСТИЦ НИЗКИХ ЭНЕРГИЙ В УГЛЕРОДНЫХ НАНОТРУБКАХ, Диссертация, Чебоксары, 2017.
8. Stepanov, A. V., and G. M. Filippov. "Channeling of low energy atomic particles in carbon nanotubes with heterojunctions." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Volume: 402 Pages: 263-266 Published: JUL 1 2017.
9. Majidian, M., 2016. Polymer-Carbon Nanostructures Composites: From Chemistry to Physics, to Material Science (Doctoral dissertation, Ecole Polytechnique Fédérale de

Lausanne).
10. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0
11. Preciado Rivas, Maria Rosa, Milad Moshayedi, and Zoran L. Mišković. "On the role of the energy loss function in the image force on a charge moving over supported graphene." Journal of Applied Physics 130, no. 17 (2021): 173103.

S. Petrovic, D. Borka and N. Neškovic, Rainbows with carbon nanotubes, Advanced Studies in Theoretical Physics,Vol. 2, no. 9, p. 415-446 (2008).
цитира се у:
1. Z. L. Miškovic, Interactions of ions with carbon nano-structures, Book of Invited Lectures, Topical Invited Lectures and Progress Reports of the 24th Summer School and International Symposium on the Physics of Ionized Gases, Journal of Physics: Conference Series 133, 012011, p. 1-11, (2008).
2. Jeremy M. Moix, Eli Pollak and Salvador Miret-Artes, Friction-Induced Energy-Loss Rainbows in Atom Surface Scattering, Phys. Rev. Lett. 104, 116103 (2010).
3. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.
4. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0

D. Borka, D. J. Mowbray, S. Petrovic, N. Neškovic and Z. L. Miškovic, Channeling of protons through carbon nanotubes, Journal of Physics: Conference Series 133, 012015, p. 1-8, (2008).
цитира се у:
1. D. K. Avasthi, A. Kumar, R. Singhal, A. Tripathi, and D. S. Misra, "Studies on CarbonNanotubes and Fullerenes Under Extreme Conditions", Journal of Nanoscience and Nanotechnology, 10, 3767-3779 (2010).
2. Pinto, F., “Nanopropulsion from high-energy particle beams via dispersion forces in nanotubes”, 48th AIAA/ASME/SAE/ASEE Joint Propulsion Conference and Exhibit 2012; Atlanta, GA; United States; 30 July 2012 through 1 August 2012; Code 98164, Size:31 pages, ISBN: 9781622763214.
3. Korol, A. V., Solov’yov, A. V., & Greiner, W. Related Phenomena. In Channeling and Radiation in Periodically Bent Crystals, (pp. 13-46), Springer Berlin Heidelberg, (2014).
4. Avasthi, D. K., & Mehta, G. K., Materials Engineering with Swift Heavy Ions. In Swift Heavy Ions for Materials Engineering and Nanostructuring (pp. 142-230), Springer Netherlands, (2011).
5. Mahmoud Salman, Studies of Radial Deformation Effect on the Channeling Potential in Carbon Nanotubes, Suez Canal University, PhD Thesis, June 2016.
DOI: 10.13140/RG.2.2.33830.11845
6. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0

D. Borka, D. J. Mowbray, Z. L. Miškovic, S. Petrovic and N. Neškovic, Channeling of protons through carbon nanotubes embedded in dielectric media, Journal of Physics:

Condensed Matter 20, 474212, page 1-10 (10pp) (2008).
цитира се у:
1. Krasheninnikov AV, Nordlund K, "Ion and electron irradiation-induced effects in nanostructured materials", Journal of Applied physics, 107, 071301, (2010).
2. Aleksandrov V. A., Filippov G. M., Study of the rearrangement of a hydrogen atom moving parallel to the carbon nanotube wall, Journal of surface investigation-x-ray synchrotron and neutron techniques Volume: 6 Issue: 2 Pages: 338-342 DOI:10.1134/S1027451012040039 Published: APR 2012
3. Aleksandrov V. A., Filippov G. M., Estimating the Ionization Time of a Hydrogen Atom during Its Motion in a Carbon Nanotube, Bulletin of the Russian Academy of Sciences. Physics, 2012, Vol. 76, No. 6, pp. 703–707.
4. I. Radovic, N. Bibic, and Z. L. Mišković, Interactions of ions with graphene, Journal of Physics: Conference Series 257, 012011 , p. 1-8 (2010).
5. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0
6. Napagoda, Jayahansa, Quark Yungsung Chen, Arti Rani, Gemunu Gunaratne, Di Chen, Oomman K. Varghese, and Wei-Kan Chu. "A simulation study of mega electron-volt helium ion channeling and shadow effect in titania nanotubes." Materials Advances (2023).

S. Petrovic, I. Telecki, D. Borka and N. Neškovic, Proton channeling through long chiral carbon nanotubes: The rainbow route to equilibration, Phys. Lett. A 372(38), p. 6003-6007 (2008).
цитира се у:
1. A. V. Stepanov, Simulation of channeling in carbon nanotubes arrays supported by porous alumina oxide, Proceedings of the XXI International Conference on Ion-Surface Interactions, ISI 2013, Volume 2, p. 347-349, Yaroslavl, Russia, 22-26 August 2013.
2. Marko M. Cosic, Kvantne duge pri kanalisanju pozitrona u ugljenicnim nanocevima, doktorska disertacija, Beograd, 2014.
3. A. Karabarbounis, S. Sarros, Ch. Trikalinos, Channeling of protons in various types of radially compressed carbon nanotubes, Nuclear Instruments and Methods in Physics Research B Volume 355, 15 July 2015, Pages 316–319.
4. M. Cosic, S. Petrovic and N. Neškovic, Quantum channeling of 1 MeV positrons in a verz short (11, 9) single-wall carbon nanotube, XVIII Symposium of Condensed Matter Physics SFKM 2011, Belgrade, Serbia, Book of Abstracts, p.76
5. S. Petrovic, M. Cosic, and N. Neškovic, Quantum rainbow channeling of positrons in very short carbon nanotubes, PHYSICAL REVIEW A 88, 012902-1-11 (2013).
6. Igor N. Telecki, Jonska optika elektrostatickog duginog sociva, doktorska disertacija, Beograd, 2013.
7. M. Cosic, S. Petrovic and N. Neškovic, Quantum rainbow characterization of short chiral carbon nanotubes, Nuclear Instruments and Methods in Physics Research B 323 (2014) 30–35.
8. M. Cosic, S. Petrovic and S. Bellucci, Rainbow channeling of protons in very short carbon nanotubes with aligned Stone-Wales defects, Nuclear Instruments and Methods in Physics Research B 367, p. 37–45 (2016).
9. M. Cosic, S. Petrovic, and N. Neškovic. "Quantum primary rainbows in transmission of positrons through very short carbon nanotubes." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms 373 (2016): 52-62.
10. Mahmoud Salman, Studies of Radial Deformation Effect on the Channeling Potential in

Carbon Nanotubes, Suez Canal University, PhD Thesis, June 2016.
DOI: 10.13140/RG.2.2.33830.11845
11. Степанов Антон Викторович, КАНАЛИРОВАНИЕ АТОМНЫХ ЧАСТИЦ НИЗКИХ ЭНЕРГИЙ В УГЛЕРОДНЫХ НАНОТРУБКАХ, Диссертация, Чебоксары, 2017.
12. Stepanov, A. V., and G. M. Filippov. "Channeling of low energy atomic particles in carbon nanotubes with heterojunctions." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Volume: 402 Pages: 263-266 Published: JUL 1 2017.
13. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0
14. Степанов, А. В., Г. М. Филиппов, А. Н. Михайлов, Д. В. Гусейнов, В. К. Васильев, and Д. И. Тетельбаум. "Моделирование и экспериментальное изучение каналирования ионов в массивах углеродных нанотрубок." Вестник Нижегородского университета им. НИ Лобачевского 2-2 (2013).
15. Ali, M. H. "Energy Spectrum of Relativistic Electrons Channeled Through Single-Wall Carbon Nanotubes." Journal of Advances in Physics (2017): 5015-5023, Volume 13 Num. 7, DOI : 10.24297/jap.v13i7.6281
16. Ćosić, M., N. Nešković, and S. Petrović. "Superfocusing and zero-degree focusing in planar channeling of protons in a thin silicon crystal." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms 444 (2019): 10-22.

I. Telecki, S. Petrovic, D. Borka and N. Neškovic, Axial channeling of high energy protons in carbon nanotubes, Publ. Astron. Obs. Belgrade No. 84 (2008), p. 173-176 (2008).
цитира се у:
1. Mahmoud Salman, Studies of Radial Deformation Effect on the Channeling Potential in Carbon Nanotubes, Suez Canal University, PhD Thesis, June 2016.
DOI: 10.13140/RG.2.2.33830.11845
2. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0

I. Telecki, S. Petrovic, D. Borka, N. Neškovic, Axial channeling of high energy protons in carbon nanotubes. Proceedings of the 24th Summer School and International Symposium on the Physics of Ionized Gases (Publication 84), Novi Sad, 25–29 Aug 2008 (Astronomical Observatory of Belgrade, Belgrade, 2008), p. 173
цитира се у:
1. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0

Radovi 2009.

K.F. Allison, D. Borka, I. Radovic, L. J. Hadžievski, and Z. L. Miškovic, Dynamic polarization of graphene by moving external charges: Random phase approximation, Phys. Rev. B 80, 195405 (2009).
цитира се у:

1. Wang XQ, Fulvio PF, Baker GA, Veith GM, Unocic RR, Mahurin SM, Chi MF, Dai S, "Direct exfoliation of natural graphite into micrometre size few layers graphene sheets using ionic liquids", Chemical communications Voi. 46 Issue 25, 4487-4489, (2010).
2. Ashraf SSZ, Mishra KN, Sharma AC, "Static structure factor and pair correlation function of graphene", Journal of physics-condensed matter, Volume:22, Issue: 35, Article Number: 355303 Published: SEP 8 2010
3. Stauber T, Gomez-Santos G, ‚PHYSICAL REVIEW B Volume: 82 Issue: 15 Article Number: 155412 Published: OCT 7 2010 .
4. Yan J., Thygesen K. S., Jacobsen K.W., , PHYSICAL REVIEW LETTERS Volume: 106
Issue: 14 Article Number: 146803
Published: APR 5 2011
5. John F. Dobson, "Dispersion and induction interactions of graphene with nanostructures", Surface Science 605 (2011) 1621–1632
6. Muge Acik, Daniel R. Dreyer, Christopher W. Bielawski, and Yves J. Chabal
Impact of Ionic Liquids on the Exfoliation of Graphite Oxide
J. Phys. Chem. C, 116, 7867-7873 (2012).
7. O. Roslyak, Godfrey Gumbs, Danhong Huang, Energy loss spectroscopy of epitaxial versus free-standing multilayer graphene, Physica E, Volume 44, Issue 9, p. 1874-1884 (2012).
8. Marc Dvorak, William Oswald and Zhigang Wu, Bandgap Opening by Patterning Graphene, SCIENTIFIC REPORTS 3, 2289, DOI: 10.1038/srep02289 (2013).
9. Mahmoudreza Ghaznavi, Nonlinear Screening of External Charge by Doped Graphene, Master thesis, Waterloo, Ontario, Canada, 2010.
10. T. Vazifehshenas and S. Saberi-Pouya, Diclusters stopping power in semiconductor nanolayers and graphene, Proceedings of the 5 th International Conference on Nanostructures (ICNS5), pages 3, 6-9 March 2014, Kish Island, Iran.
11. Shi, Xihang, Xiao Lin, Fei Gao, Hongyi Xu, Zhaoju Yang, and Baile Zhang. "Caustic graphene plasmons with Kelvin angle." PHYSICAL REVIEW B 92, 081404(R) (2015).
12. M. Ghaznavi, Z. L. Miškovic, and F. O. Goodman, "Nonlinear screening of external charge by doped graphene", Phys. Rev. B 81, 085416 (2010).
13. K. F. Allison and Z. L. Miškovic, "Friction force on slow charges moving over supported graphene", Nanotechnology 21, 134017-1-9 (2010).
14. I. Radovic, Nataša Bibic, Z. L. Miškovic, Interactions of ions with graphene, Publ. Astron. Obs. Belgrade No. 89, p. 85 (2010).
15. I. Radovic, N. Bibic, and Z. L. Miškovic, Interactions of ions with graphene, Journal of Physics: Conference Series 257, 012011 , p. 1-8 (2010).
16. Зоран Л. Мишковић, "Интеракција графена са наелектрисаним честицама", Зборник радова са XII Конгреса физичара Србије, с. 86-87, Врњачка Бања, 2013.
17. R. Anicic and Z. L. Miškovic, Effects of the structure of charged impurities and dielectric environment on conductivity of graphene, PHYSICAL REVIEW B 88, 205412 (2013).18. Z. L. Miškovic, Dynamic polarization of carbon nano-structures by charged particles, Proceedings of the XXI International Conference on Ion-Surface Interactions, ISI 2013, Volume 1, p. 357-362, Yaroslavl, Russia, 22-26 August 2013.
19. Chun-Zhi Li, You-Nian Wang, Yuan-Hong Song, Z.L. Miškovic, Interactions of charged particle beams with double-layered two-dimensional quantum electron gases, Phys. Lett. A 378 (22-23), pp. 1626-1631 (2014).
20. Miskovic, Zoran L., Dynamic Polarization of Carbon Nano-Structures by Charged Particles
Book Series: AIP Conference Proceedings Volume: 1590 Pages: 129-133 Published:

2014.
21. Lyon, Keenan A., Miskovic, Zoran L., The Effects of the Substrate Surface Roughness on Graphene Plasmons, Book Series: AIP Conference Proceedings Volume: 1590 163-167 Published: 2014.
22. Dvorak, M.D., 2015. Theoretical electronic structure of structurally modified graphene (Doctoral dissertation, Colorado School of Mines. Arthur Lakes Library).
23. Li, X., Tao, L., Chen, Z., Fang, H., Li, X., Wang, X., Xu, J.B. and Zhu, H., 2017. Graphene and related two-dimensional materials: Structure-property relationships for electronics and optoelectronics. Applied Physics Reviews, 4(2), p.021306.
24. Despoja, Vito, Tijana Djordjevic, Lazar Karbunar, Ivan Radovic, and Zoran L. Mišković. "Ab initio study of the electron energy loss function in a graphene-sapphire-graphene composite system." Physical Review B 96, no. 7 (2017): 075433.
25. Zoran L. Mišković, Kamran Akbari, Silvina Segui, Juana L. Gervasoni, Néstor R. Arista, Relativistic effects in the energy loss of a fast charged particle moving parallel to a two-dimensional electron gas, Nuclear Inst, and Methods in Physics Research B 422 (2018)18–23
26. Loncaric, Ivor, Zoran Rukelj, Vyacheslav M. Silkin, and Vito Despoja. "Strong two-dimensional plasmon in Li-intercalated hexagonal boron-nitride film with low damping." npj 2D Materials and Applications (2018) 2:33 ; doi:10.1038/s41699-018-0078-y.
27. Vito Despoja, Ivan Radović, Lazar Karbunar, Ana Kalinić, and Zoran L. Mišković, Wake potential in graphene-insulator-graphene composite systems, PHYSICAL REVIEW B 100, 035443 (2019).
28. Kamran Akbari, Relativistic Theory of the Interaction of Two-Dimensional Materials with Moving Charged Particles, PhD thesis, University of Waterloo, Waterloo, Ontario, Canada, 2019.
29. Keenan Lyon and Z. L. Mišković, Effects of substrate and graphene surface roughness on graphene sheet plasmons, Nanoscale Syst.: Math. Model. Theory Appl. 2014; 3:33–43
30. Vito Despoja, Lovro Basioli, Jordi Sancho Parramon and Maja Mičetić, Optical absorption in array of Ge/Al-shell nanoparticles in an Alumina matrix, Scientific Reports, (2020) 10:65
31. Xian-Long He, Ying-Ying Zhang, Zoran L. Mišković, Ivan Radović, Chun-Zhi Li, and Yuan-Hong Song, Interactions of moving charge with supported graphene in the presence of strain-induced pseudomagnetic field, Eur. Phys. J. D (2020) 74: 18
32. Lyon, Keenan, Duncan J. Mowbray, and Zoran L. Miskovic. "Conductivity models for electron energy loss spectroscopy of graphene in a scanning transmission electron microscope with high energy resolution." *Ultramicroscopy* (2020): 113012.
33. Bai, Xiang-Jia, Ying-Ying Zhang, Zoran L. Mišković, Ivan Radović, Chun-Zhi Li, and Yuan-Hong Song. "The Effects of Pseudomagnetic Fields on Plasmon–Phonon Hybridization in Supported Graphene Probed by a Moving Charged Particle." Plasmonics 16, no. 4 (2021): 1089-1098.
34. Kalinić, Ana, Ivan Radović, Lazar Karbunar, Vito Despoja, and Zoran L. Mišković. "Wake effect in interactions of ions with graphene-sapphire-graphene composite system." Physica E: Low-dimensional Systems and Nanostructures 126 (2021): 114447.
35. Đorđević, T., 2021. Teorijski modeli plazmona u grafenu pri interakciji sa naelektrisanim česticama (Doctoral dissertation, Univerzitet u Beogradu-Fizički fakultet).
36. Preciado Rivas, Maria Rosa, Milad Moshayedi, and Zoran L. Mišković. "On the role of the energy loss function in the image force on a charge moving over supported graphene." Journal of Applied Physics 130, no. 17 (2021): 173103.
37. Moshayedi, Milad, Maria Rosa Preciado Rivas, and Zoran L. Mišković. "Stopping and image forces on a charged particle moving parallel to an anisotropic two-dimensional material." Physical Review B 105, no. 7 (2022): 075429.

38. Preciado Rivas María Rosa. "Theoretical Description of the Forces on a Point Charge Moving Parallel to a Supported Two-dimensional Material." Master's thesis, University of Waterloo, 2022.

N. Neškovic, S. Petrovic and D. Borka, Superfocusing of channeled protons and crystal rainbows, Nuclear Instruments and Methods in Physics Research B, 267 (16), p. 2616-2620 (2009).

цитира се у:

1. Igor N. Telecki, Jonska optika elektrostatickog duginog sociva, doktorska disertacija, Beograd, 2013.
2. MOTAPOTHULA, M. R., Ion channeling in ultra thin crystals (Doctoral dissertation), National University of Singapore, (2013).
3. Y. Takabayashi, Yu.L. Pivovarov, T.A. Tukhfatullin, Studies of relativistic electron scattering
at planar alignment in a thin Si crystal, Physics Letters A, Volume 378, Issue 21, p. 1520-1525 (2014).
4. Marko M. Cosic, Kvantne duge pri kanalisanju pozitrona u ugljenicnim nanocevima, doktorska disertacija, Beograd, 2014.
5. Vesna Berec, Quantum Entanglement and Spin Control in Silicon Nanocrystal, PLoS ONE 7(9): e45254. doi:10.1371/journal.pone.0045254 (2012).
6. N. Neškovic, I. Telecki, B. Bojovic, S. Petrovic, A square electrostatic rainbowlens:Catastrophic ion beam focusing, Nuclear Instruments and Methods in Physics Research A 635 (1), pp. 1-7, (2011).
7. N. Neškovic, Rainbows with crystals and nanotubes, XVIII Symposium of Condensed Matter Physics SFKM 2011, Belgrade, Serbia, Book of Abstracts, p.34.
8. Title: Superfocusing of channeled protons and subatomic measurement resolutionAuthor(s): Petrovic S.; Neskovic N.; Berec V. and Cosic M
Source: PHYSICAL REVIEW A Volume: 85 Issue: 3 Article Number: 032901, 2011.
9. N. Neškovic and S. Petrovic, ”Rainbows with Crystals and Nanotubes” Nanosci. Nanotechnol. Lett. 4, 1033-1043 (2012).
10. M. Cosic, S. Petrovic, N. Neškovic, Computational method for the long time propagation of quantum channeled particles in crystals and carbon nanotubes, Nuclear Instruments and Methods in Physics Research B 330 (2014) 33–41.
11. M. Cosic, S. Petrovic and S. Bellucci, Rainbow channeling of protons in very short carbon nanotubes with aligned Stone-Wales defects, Nuclear Instruments and Methods in Physics Research B 367, p. 37–45 (2016).
12. Berec, Vesna. "Quantum entanglement and spin control in silicon nanocrystal." PloS one 7.9 (2012): e45254.
13. Весна Берец, Јонско-атомска квантна корелација у магнетном пољу базирана на ефекту суперфокусирања - процесуирање спинског кубита у силицијуму, Докторска дисертација, Београд 2012.
14. S. Petrovic, M. Cosic and N. Neškovic, Classical and quantum rainbow channeling of charged particles in very thin silicon crystals and carbon nanotubes, pp. 153-158, Proceedings of the XXII International Conference Ion-Surface Interactions «ISI–2015», August 20–24, 2015, Moscow, Russia.
15. M. Motapothula, S. Petrovic, N. Neskovic and M. B. H. Breese, Experimental evidence of the superfocusing effect for axially channeled MeV protons, PHYSICAL REVIEW B 94, 075415 (2016).

16. M. Cosic, S. Petrovic, N. Neškovic, Effective quantum dynamics in a weakly anharmonic interaction in the vicinity of a focusing point, Nuclear Instruments and Methods in Physics Research B 399 (2017) 1–11.
17. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0
18. Y. Takabayashi, Yu.L. Pivovarov, T.A. Tukhfatullin, First observation of scattering of sub-GeV electrons in ultrathin Si crystal at planar alignment and its relevance to crystal-assisted 1D rainbow scattering, Physics Letters B 785 (2018) 347–353.
19. Ćosić, M., N. Nešković, and S. Petrović. "Superfocusing and zero-degree focusing in planar channeling of protons in a thin silicon crystal." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms 444 (2019): 10-22.
20. Holeňák, Radek, Svenja Lohmann, Kristina Komander, and Daniel Primetzhofer. "On the correlation of angular distributions of keV ions and trajectory-dependent electronic excitations in transmission channelling geometry." In *Journal of Physics: Conference Series*, vol. 2326, no. 1, p. 012008. IOP Publishing, 2022..

S. Petrovic, D. Borka, I. Telecki and N. Neškovic, Angular distributions of high energy protons channeled in long (10, 10) single-wall carbon nanotubes, Nuclear Instruments and Methods in Physics Research B, 267 (14), p. 2365-2368 (2009).
цитира се у:
1. Igor N. Telecki, Jonska optika elektrostatickog duginog sociva, doktorska disertacija, Beograd, 2013.
2. Majidian, M., 2016. Polymer-Carbon Nanostructures Composites: From Chemistry to Physics, to Material Science (Doctoral dissertation, Ecole Polytechnique Fédérale de Lausanne).
3. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0
4. Ćosić, M., M. Hadžijojić, R. Rymzhanov, S. Petrović, and S. Bellucci. "Investigation of the graphene thermal motion by rainbow scattering." Carbon 145 (2019) 161-174.

Radovi 2010.

D. Borka, D. J. Mowbray, Z. L. Miškovic, S. Petrovic and N. Neškovic, Donut and dynamic polarization effects in proton channeling through carbon nanotubes, New Journal of Physics 12, (2010), 043021, (pp17).
цитира се у:
1. Pinto, F., “Nanopropulsion from high-energy particle beams via dispersion forces in nanotubes”, 48th AIAA/ASME/SAE/ASEE Joint Propulsion Conference and Exhibit 2012; Atlanta, GA; United States; 30 July 2012 through 1 August 2012; Code 98164, Size:31 pages, ISBN: 9781622763214.
2. V. A. Aleksandrov and G. M. Filippov, Model Estimation of the Polarization Forces Generated by a Moving Point Charge in Carbon Nanotubes, Journal of Surface Investigation, X-ray, Synchrotron and Neutron Techniques, 2014, Vol. 8, No. 4, pp. 832–836.
3. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу,

Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.
4. I. Radovic, N. Bibic, and Z. L. Miškovic, Interactions of ions with graphene, Journal of Physics: Conference Series 257, 012011 , p. 1-8 (2010).
5. Ying-Ying Zhang, Ji-Zhong Sun, Yuan-Hong Song, Z. L. Miškovic, You-Nian Wang, Channeling of protons in single-walled carbon nanotubes based on kinetic and molecular-dynamics treatment, Carbon, Volume 71, May 2014, Pages 196-205.
6. Степанов Антон Викторович, КАНАЛИРОВАНИЕ АТОМНЫХ ЧАСТИЦ НИЗКИХ ЭНЕРГИЙ В УГЛЕРОДНЫХ НАНОТРУБКАХ, Диссертация, Чебоксары, 2017.
7. Stepanov, A. V., and G. M. Filippov. "Channeling of low energy atomic particles in carbon nanotubes with heterojunctions." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Volume: 402 Pages: 263-266 Published: JUL 1 2017.
8. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0
9. Dedkov, George V. "Van der Waals Interactions of Moving Particles with Surfaces of Cylindrical Geometry." *Universe* 7, no. 4 (2021): 106.

V. Borka Jovanovic, S. R. Ignjatovic, D. Borka, P. Jovanovic, Constituent quark masses obtained from hadron masses with contributions of Fermi-Breit and Glozman-Riska hyperfine interactions, Phys. Rev. D, 82, 117501-1-4 (2010)
цитира се у:
1. V. V. Khruschov, Snyder-Yang algebra and confinement of color particles, arXiv:1012.4580v1 [hep-ph] (2010)
2. A. Jakovac, Zs. Szep, Strange mass dependence of the tricritical point in the U(3)L X U(3)R chiral sigma model, Phys. Rev. D. 82, 125038-1-15 (2010).
3. S. G. Yuan, K. W. Wei, J. He, H. S. Xu, B. S. Zou, Study of $qqqc\bar{c}$ five quark system with three kinds of quark-quark hyperfine interaction, arXiv: 1201.0807v1 [hep-ph] (2012). EUROPEAN PHYSICAL JOURNAL A Volume: 48 Issue: 5 Article Number: 61 DOI: 10.1140/epja/i2012-12061-2 Published: MAY 2012
4. Rohit Dhir and C. S. Kim, Branching ratios of Bc Meson Decaying to Vector and Axial-Vector Mesons, PHYSICAL REVIEW D Volume: 87 Issue: 3
Article Number: 034004 (2013).
5. A. L. Mota, H. Caldas, J. E. da Fonseca, Heavy mesons spectra in a semi-analyticalquantum relativistic approach, AIP Conf. Proc. 1520, 431-433 (2013).
6. B. F. Kostenko, J. Pribiš, Signs of phase transitions in two-nucleon systems, arXiv:1310.2874v1 [nucl-th] (2013); Reported at MMCP2013, Dubna, July 2013.
7. R. Grajcarek, Doctoral dissertation "Anisotropic flow of the charmed D*+ meson in non-central Pb-Pb collisions at sqrt(sNN) = 2.76 TeV", Combined Faculties for the Natural Sciences and for Mathematics of the Ruperto-Carola University of Heidelberg, Germany (2013).
8. Kostenko, Boris, and Jan Pribiš. "Possible Observation of Phase Transitions in Two-Nucleon Systems." XXII International Baldin Seminar on High Energy Physics Problems, Proceedings of science (Baldin ISHEPP XXII 2012) 122-1-21 , pages: 21, (2014).September 15-20, 2014, JINR, Dubna, Russia (2014).
9. B. F. Kostenko, J. Pribiš, On Excited States of Deuteron Nucleus, [nucl-th] (2015).
10. B. F. Kostenko, J. Pribiš, On dibaryon production in $D + D \rightarrow X + D$ reaction, Physics of Particles and Nuclei Letters, May 2015, Volume 12, Issue 3, pp 406-408.
11. S. R. Ignjatovic and V. Borka Jovanovic,"On Some Models of the Exotic Hadron States",

The book of a short contributions and extended abstracts, p. 45-46, 25-29 April, 2013, Vrnjacka Banja, Serbia.
12. С. Игњатовић и В. Борка Јовановић, "О егзотичним мезонским стањима и њиховим моделима", Зборник радова са XII Конгреса физичара Србије, с. 208-2011, Врњачка Бања, 2013.
13. Sinisa R. Ignjatovic and Vesna Borka Jovanovic, ON SOME MODELS OF THE EXOTIC HADRON STATES, Facta Universitatis: Series: Physics, Chemistry and Technology Vol. 12, No 2, 75-82, 2014.
14. Zhen-Yang Wang, Ke-Wei Wei, Jing-Juan Qi, Xin-Heng Guo, Spectra of charmed and bottom baryons with hyperfine interaction, (2017).
15. M. Ahmadvand, K. Bitaghsir Fadafan, Gravitational waves generated from the cosmological QCD phase transition within AdS/QCD, Phys.Lett. B772 (2017) 747-751
16. Xin-Zhen Weng, Xiao-Lin Chen, and Wei-Zhen Deng, Masses of doubly heavy-quark baryons in an extended chromomagnetic model, PHYS. REV. D 97, 054008 (2018).
17. M. Ahmadvand, K. Bitaghsir Fadafan, The cosmic QCD phase transition with dense matter and its gravitational waves from holography, Physics Letters B 779 (2018) 1–8.
18. Meng-Wei Li, Yi Yang and Pei-Hung Yuan, Imprints of Early Universe on Gravitational Waves from First-Order Phase Transition in QCD, ArXiv 181209676v1, dec 2018.
19. Note, ATLAS PUB. "Generation and Simulation of R-Hadrons in the ATLAS Experiment." (2019).
20. Katz, Roland, Caio AG Prado, Jacquelyn Noronha-Hostler, Jorge Noronha, and Alexandre AP Suaide. "Sensitivity study with a D and B mesons modular simulation code of heavy flavor R A A and azimuthal anisotropies based on beam energy, initial conditions, hadronization, and suppression mechanisms." *Physical Review C* 102, no. 2 (2020): 024906.
21. Gu, An, Terrence Edmonds, Jie Zhao, and Fuqiang Wang. "Elliptic flow coalescence to identify the f0 (980) content." Physical Review C 101, no. 2 (2020): 024908.
22. Singh, Rajeev, Masoud Shokri, and Radoslaw Ryblewski. "Spin polarization dynamics in the Bjorken-expanding resistive MHD background." *Physical Review D* 103, no. 9 (2021): 094034.
23. Zhu, Z.R., Chen, J. and Hou, D., 2022. Gravitational waves from holographic QCD phase transition with gluon condensate. *The European Physical Journal A*, *58*(6), pp.1-7.
24. Rezapour, S., Fadafan, K.B. and Ahmadvand, M., 2022. Gravitational waves of a first-order QCD phase transition at finite coupling from holography. *Annals of Physics*, *437*, p.168731.
25. Morgenstern, Stefanie. "Calibration of the Liquid Argon Calorimeter and Search for Stopped Long-Lived Particles." PhD diss., Dresden, Tech. U., 2021.
26. Rezapour, S., Fadafan, K.B. and Ahmadvand, M., 2022. Gravitational waves of the QCD phase transition in a 5D soft wall model with Gauss-Bonnet correction. *Physica Scripta*, *97*(3), p.035301.
27. Jaelani, Syaefudin. "Measurement of the D $^{\ast+} $-meson production in Pb--Pb collisions at $\sqrt {s_ {\rm NN}}= 5.02$ TeV with ALICE." PhD diss., Nikhef National institute for subatomic physics (NL), 2021.

N. Neškovic, D. Borka, S. Šopic and S. Petrovic, Rainbows in channeling of 1 GeV protons in a bent very short (11,9) single-wall carbon nanotube, International Journal of Nonlinear Sciences and Numerical Simulation 11 (12), pp. 1131-1143, (2010).
цитира се у:

1. Igor N. Telecki, Jonska optika elektrostatickog duginog sociva, doktorska disertacija, Beograd, 2013.
2. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.
3. N. Neškovic, Rainbows with crystals and nanotubes, XVIII Symposium of Condensed Matter Physics SFKM 2011, Belgrade, Serbia, Book of Abstracts, p.34
4. 1. I. Telecki, S. Petrovic, P. Belicev, B. Radenovic, R. Balvanovic, B. Bojovic, N. Neškovic, Focusing properties of a square electrostatic rainbow lens, Nuclear Instruments and Methods in Physics Research A 694, pp. 224-233, (2012).5. N. Neškovic and S. Petrovic, ”Rainbows with Crystals and Nanotubes”
Nanosci. Nanotechnol. Lett. 4, 1033-1043, (2012).
6. Igor N. TELECKI, Petar D. BELICEV, Srdjan M. PETROVIC, and Nebojša B. NEŠKOVIC, Focusing Properties of a Square Electrostatic Rainbow Lens, Nuclear Technology & Radiation Protection: Year 2015, Vol.30, No. 4, pp. 239-248.
7. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0

I. Radovic, D. Borka, Interactions of fast charged particles with supported two-dimensional electron gas: One-fluid model, Phys. Lett. A 374, 1527-1533 (2010).
цитира се у:
1. Chun-Zhi Li, You-Nian Wang, Yuan-Hong Song, Z.L. Miškovic, Interactions of charged particle beams with double-layered two-dimensional quantum electron gases, Phys. Lett. A 378 (22-23), pp. 1626-1631 (2014).
2. Jian Yang-Yang, LI Chun-Zhi, Effects of substrate on interactions of ion beams with two-dimensional layered electron gasses, Journal of Atomic and Molecular Physics 31 (2014) 833, doi:103969/j.issn.1000-0364.2014.05.026
3. C.-Z. Li, Y.-Y. Jian and Y.-Z. He, Effects of substrate property on induced electric field of layered two-dimensional electron gases, High Power Laser and Particle Beams 26 (2014) 124005
4. I. Radovic, V. Borka Jovanovic, Z. L. Miškovic, Interactions of fast ions with supported graphene: quantum hydrodunamic model, Publ. Astron. Obs. Belgrade No. 89, p. 117-120 (2010).
5. I. Radovic, N. Bibic, and Z. L. Miškovic, Interactions of ions with graphene, Journal of Physics: Conference Series 257, 012011 , p. 1-8 (2010).
6. Kalinić, Ana, Ivan Radović, Lazar Karbunar, Vito Despoja, and Zoran L. Mišković. "Wake effect in interactions of ions with graphene-sapphire-graphene composite system." Physica E: Low-dimensional Systems and Nanostructures 126 (2021): 114447.
7. Chen, L., Wang, Y., Jia, Y., Yang, X., Li, C., Yi, L., Jiang, W. and Zhang, Y., 2022. Effect of Viscosity on Stopping Power for a Charged Particle Moving above Two-Dimensional Electron Gas. *Laser and Particle Beams*, *2022*.
8. Kalinić, Ana, Vito Despoja, Ivan Radović, Lazar Karbunar, and Zoran L. Mišković. "Stopping and image forces acting on a charged particle moving near a graphene-Al2O3-graphene heterostructure." Physical Review B 106, no. 11 (2022): 115430.

I. Radovic, D. Borka, Wake effect in interactions of fast ions with supported two-

dimensional electron gas, Nuclear Instruments and Methods in Physics Research B, 268 (17-18), p. 2649-2654 (2010).
цитира се у:
1. Chun-Zhi Li, You-Nian Wang, Yuan-Hong Song, Z.L. Miškovic, Interactions of charged particle beams with double-layered two-dimensional quantum electron gases, Phys. Lett. A 378 (22-23), pp. 1626-1631 (2014).
2. I. Radovic, N. Bibic, and Z. L. Miškovic, Interactions of ions with graphene, Journal of Physics: Conference Series 257, 012011 , p. 1-8 (2010).
3. Kalinić, Ana, Ivan Radović, Lazar Karbunar, Vito Despoja, and Zoran L. Mišković. "Wake effect in interactions of ions with graphene-sapphire-graphene composite system." Physica E: Low-dimensional Systems and Nanostructures 126 (2021): 114447.

D. Borka, S. Petrovic V. Lukic, J. Timko, V. Berec and N. Neškovic, CHANNELING OF PROTONS IN A <100> Si THIN CRYSTAL: A QUANTUM MECHANICAL APPROACH, Publ. Astron. Obs. Belgrade No. 89, p. 89-92 (2010).
цитира се у:
1. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0

Radovi 2011.

V. Borka Jovanovic, I. Radovic, D. Borka and Z. L. Miškovic, High-energy plasmon spectroscopy of freestanding multilayer graphene, Physical Review B 84, 155416-1-10) (2011).
цитира се у:
1. S. Segui, C. Celedon Lopez, G. A. Bocan, J. L. Gervasoni and N. R. Arista,
Tubular image states: General formulation and properties for metallic and nonmetallic nanotubes, PHYSICAL REVIEW B 85, 235441 (2012).
2. O. Roslyak, Godfrey Gumbs, Danhong Huang, Energy loss spectroscopy of epitaxial versu sfree-standing multilayer graphene, Physica E, Volume 44, Issue 9, p. 1874-1884 (2012).
3. M.-F. Lin, Y.-C. Chuang, J.-Y. Wu, Electrically tunable plasma excitations in AA-stacked multilayer graphene, Phys. Rev. B 86, 125434-1-7 (2012).
4. V. Despoja, K. Dekanic, M. Šunjic, and L. Marušic, Ab initio study of energy loss and wake potential in the vicinity of a graphene monolayer, PHYSICAL REVIEW B 86, 165419-1-10 (2012).
5. C.-W. Chiu, F.-L. Shyu, M.-F. Lin, G. Gumbs, O. Roslyak, Anisotropy of π-Plasmon Dispersion Relation of AA-Stacked Graphite, J. Phys. Soc. Jpn. 81, 104703-1-7 (2012).
6. V. Despoja, D. J. Mowbray, D. Vlahovic, and L. Marušic, TDDFT study of time-dependent and static screening in graphene, PHYSICAL REVIEW B 86, 195429 (2012)-1-10 (2012).
7. V. Despoja, D. Novko, K. Dekanic, M. Šunjic, L. Marušic, Two-dimensional and π plasmon spectra in pristine and doped graphene, Phys. Rev. B 87, 075447-1-10 (2013)
8. A. Politano, D. Campi, V. Formoso, G. Chiarello, Evidence of confinement of the pi plasmon in periodically rippled graphene on Ru(0001), PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 15 Issue: 27 Pages: 11356-11361 (2013).
9. A. Politano, G. Chiarello, Quenching of plasmons modes in air-exposed graphene-Ru contacts for plasmonic devices, Appl. Phys. Lett. 102, 201608-1-4 (2013).
10. Yu. V. Bludov, N. M. R. Peres, M. I. Vasilevskiy, Unusual reflection of electromagnetic

radiation from a stack of graphene layers at oblique incidence, Journal of Optics, Volume 15, Issue 11, article id. 114004 (2013).
11. Politano A., Formoso V., Chiarello G., Evidence of composite plasmon–phonon modes in the electronic response of epitaxial graphene, Journal of Physics: Condensed Matter, Volume 25, Issue 34, article id. 345303 (2013).
12. A. Politano and G. Chiarello, Unravelling suitable graphene–metal contacts for graphene-based plasmonic devices, Nanoscale 5 (2013) 8215
13. P. Wachsmuth, R. Hambach, M. K. Kinyanjui, M. Guzzo, G. Benner and U. Kaiser, High-energy collective electronic excitations in free-standing single-layer graphene, PHYSICAL REVIEW B 88, 075433 (2013).
14. Xiaoguang Luo, Teng Qiu, Weibing Lu, Zhenhua Ni, Plasmons in graphene: Recent progress and applications, Materials Science and Engineering R 74 (2013) 351–376.
15. Duncan Mowbray, Theoretical spectroscopy of isolated graphene, Physica Status Solidi B: Basic Solid State Physics, Volume: 251 Issue: 12 Pages: 2509-2514.
16. Politano, Antonio. "Probing growth dynamics of graphene/Ru (0001) and the effects of air exposure by means of helium atom scattering." SURFACE SCIENCE Volume: 634 Special Issue: SI Pages: 44-48.
17. P. Wachsmuth, R. Hambach, G. Benner, and U. Kaiser, Plasmon bands in multilayer graphene, PHYSICAL REVIEW B 90, 235434 (2014).
18. Philipp Wachsmuth, Momentum-resolved electron energy-loss spectroscopy of graphene, University of ULM, Doctoral Disertation2014.
http://vts.uni-ulm.de/docs/2014/9105/vts_9105_13704.pdf
19. Wolfgang S.M. Werner, Alessandra Bellissimo, Roland Leber, Afshan Ashraf, SilvinaSegui, Reflection electron energy loss spectrum of single layer graphene measured on a graphite substrate, SURFACE SCIENCE Volume: 635 Pages: L1-L3
20. Dino Novko, Vito Despoja, and Marijan Sunjic, Changing character of electronic transitions in graphene: From single-particle excitations to plasmons, PHYSICAL REVIEW B 91, 195407 (2015).
21. Li, Jitao, Yi Lin, Junfeng Lu, Chunxiang Xu, Yueyue Wang, Zengliang Shi, and Jun Dai. "Single Mode ZnO Whispering-Gallery Submicron Cavity and Graphene Improved Lasing Performance", ACS nano 9 (7), pp. 6794-6800 (2015).
22. Hosseininejad, S.E.; Komjani, N.; Talafi Noghani, M.T., "A Comparison of Graphene and Noble Metals As conductors For plasmonic one-dimensional waveguides," Nanotechnology IEEE Transactions on , vol.PP, no.99, pp.1,1
doi: 10.1109/TNANO.2015.2449903
23. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.
24. Зоран Л. Мишковић, "Интеракција графена са наелектрисаним честицама", Зборник радова са XII Конгреса физичара Србије, с. 86-87, Врњачка Бања, 2013.
25. Silvina Segui, Zoran L Miškovic, Juana L Gervasoni and Nestor R Arista, Plasmon excitation in single-walled carbon nanotubes probed using charged particles: comparison of calculated and experimental spectra, J. Phys.: Condens. Matter 25 (2013) 175001 (9pp).
26. C. Z. Li, Z. L. Miškovic, F. O. Goodman, Y. N. Wang, Plasmon excitations in C60 by fast charged particle beams, J. Appl. Phys. 113, art. no. 184301 (2013)
27. Z. L. Miškovic, Dynamic polarization of carbon nano-structures by charged particles, Proceedings of the XXI International Conference on Ion-Surface Interactions, ISI 2013, Volume 1, p. 357-362, Yaroslavl, Russia, 22-26 August 2013.
28. Chun-Zhi Li, You-Nian Wang, Yuan-Hong Song, Z.L. Miškovic, Interactions of charged

particle beams with double-layered two-dimensional quantum electron gases, Phys. Lett. A 378 (22-23), pp. 1626-1631 (2014).
29. Nelson, Florence J., Juan Carlos Idrobo, John D. Fite, Zoran L. Miškovic, Stephen J. Pennycook, Sokrates T. Pantelides, Ji Ung Lee, and Alain Diebold. "Electronic excitations in graphene in the 1-50 eV range-The pi and pi+ s peaks are not plasmons." Nano Lett. (2014), 14, 3827-3831.
30. Miskovic, Zoran L., Dynamic Polarization of Carbon Nano-Structures by Charged Particles
Book Series: AIP Conference Proceedings Volume: 1590 Pages: 129-133 Published: 2014
31. Lyon, Keenan A.; Miskovic, Zoran L.; Diebold, Alain C.; et al., Modeling Ellipsometry and Electron Energy Loss Spectroscopy of Graphene, Book Series: AIP Conference Proceedings Volume: 1590 Pages: 158-162 Published: 2014
32. Kocherlakota, Lakshmi S., Brad A. Krajina, and René M. Overney. "Communication: Local energetic analysis of the interfacial and surface energies of graphene from the single layer to graphite." The Journal of Chemical Physics 143.24 (2015): 241105.
33. Novko Dino, Šunjic Marijan, Despoja Vito, Optical absorption and conductivity in quasi-two-dimensional crystals from first principles: Application to graphene, PHYSICAL REVIEW B 93, 125413 (2016).
34. Xiao-qin Shu, Hong Zhang, Xin-lu Cheng and Yoshiyuki Miyamoto, Tunable plasmons in few-layer nitrogen-doped graphene nanostructures: A time-dependent density functional theory study, PHYSICAL REVIEW B 93, 195424 (2016).
35. S.E. Hosseininejad, N. Komjani, Comparative analysis of graphene-integrated slab waveguides for terahertz plasmonics, Photonics and Nanostructures – Fundamentals andApplications 20 (2016) 59–67.
36. Dai, Y.Y., Chen, A., Xia, Y.Y., Han, D.Z., Liu, X.H., Shi, L. and Zi, J., 2016. Symmetry breaking induced excitations of dark plasmonic modes in multilayer graphene ribbons. Optics Express, 24(18), pp.20021-20028.
37. Miskovic ZL, Segui S, Gervasoni JL, Arista NR, "Energy losses and transition radiation produced by the interaction of charged particles with a graphene sheet"
PHYSICAL REVIEW B, Volume: 94 Issue: 12 Article Number: 125414 Published: SEP 12 2016.
38. Shu, Xiaoqin, Hong Zhang, Xinlu Cheng, and Yoshiyuki Miyamoto. "A TDDFT Investigation on Plasmons in Multilayer Graphene Nanostructures." Plasmonics 12, no. 6 (2017): 1967-1973.
39. Gumbs, Godfrey, Antonios Balassis, and V. M. Silkin. "Combined effect of doping and temperature on the anisotropy of low-energy plasmons in monolayer graphene." PHYSICAL REVIEW B, Volume: 96, Issue: 4, 2017.
40. Michael J. Mohn, Ralf Hambach, Philipp Wachsmuth, Christine Giorgetti,
and Ute Kaiser, Dielectric properties of graphene/MoS 2 heterostructures from ab initio calculations and electron energy-loss experiments, PHYSICAL REVIEW B 97, 235410 (2018).
41. Zoran Miskovic, Theoretical Modeling of Electron Energy Loss Spectroscopy of Graphene: Comparing Ab initio Calculations and Empirical Models with Experiments, Programe and book of abstracts, FIRST INTERNATIONAL CONFERENCE ON ELECTRON MICROSCOPY OF NANOSTRUCTURES, Rectorate of the University of Belgrade, Belgrade, Serbia, August 27-29, 2018
http://elmina.tmf.bg.ac.rs
42. Kamran Akbari, Silvina Segui, Juana Gervasoni, Zoran L. Mišković and Nestor R. Arista, Energy losses and transition radiation in graphene traversed by a fast charged particle under oblique incidence, Phys. Rev. B 98, 195410, November 2018.

43. Chiun-Yan Lin, Jhao-Ying Wu, Chih-Wei Chiu, and Ming-Fa Lin, Coulomb excitations and decays in graphene-related systems, ArXiv1901.04160v1 (2019), page 1-113.
44. Vito Despoja, Ivan Radović, Lazar Karbunar, Ana Kalinić, and Zoran L. Mišković, Wake potential in graphene-insulator-graphene composite systems, PHYSICAL REVIEW B 100, 035443 (2019).
45. Kamran Akbari, Relativistic Theory of the Interaction of Two-Dimensional Materials with Moving Charged Particles, PhD thesis, University of Waterloo, Waterloo, Ontario, Canada, 2019.
46. Li Qi, Aigen Li, and B. W. Jiang. "How much graphene in space?." Monthly Notices of the Royal Astronomical Society 490, no. 3 (2019): 3875-3881.
47. Luo Cheng, Xiangdong Guo, Hai Hu, Debo Hu, Chenchen Wu, Xiaoxia Yang, and Qing Dai, Probing polaritons in 2D materials, Adv. Optical Mater. (Progress Report), 1901416-1-18 (2020)
48. Xian-Long He, Ying-Ying Zhang, Zoran L. Mišković, Ivan Radović, Chun-Zhi Li, and Yuan-Hong Song, Interactions of moving charge with supported graphene in the presence of strain-induced pseudomagnetic field, Eur. Phys. J. D (2020) 74: 18
49. Despoja, Vito, Ivan Radović, Antonio Politano, and Zoran L. Mišković. "Insights on the Excitation Spectrum of Graphene Contacted with a Pt Skin." Nanomaterials 10, no. 4 (2020): 703.
50. Keenan Lyon, Kamran Akbari Zoran L. Miskovic, Relativistic effects in the interaction of fast charged particles with graphene January 2020 Radiation Effects and Defects in Solids 175(1-2):84-93
51. Lyon, Keenan, Duncan J. Mowbray, and Zoran L. Miskovic. "Conductivity models for electron energy loss spectroscopy of graphene in a scanning transmission electron microscope with high energy resolution." Ultramicroscopy (2020): 113012.
52. Moradi, Afshin. "Electromagnetic Problems Involving Two-Dimensional Electron Gases in Planar Geometry." In *Canonical Problems in the Theory of Plasmonics*, pp. 239-270. Springer, Cham, 2020.
53. Sugiura, Hirotsugu, Hiroki Kondo, Kimitaka Higuchi, Shigeo Arai, Ryo Hamaji, Takayoshi Tsutsumi, Kenji Ishikawa, and Masaru Hori. "Reaction science of layer-by-layer thinning of graphene with oxygen neutrals at room temperature." Carbon 170 (2020): 93-99.
54. Luo, Cheng, Xiangdong Guo, Hai Hu, Debo Hu, Chenchen Wu, Xiaoxia Yang, and Qing Dai. "Probing Polaritons in 2D Materials." Advanced Optical Materials 8, no. 5 (2020): 1901416.
55. Mohn, M. J. (2020). Energy-filtered TEM and low-loss EELS of 2D materials (Doctoral dissertation, Universität Ulm).
56. Shekarforoush, S., H. Jalali, M. Yagmurcukardes, M. V. Milošević, and M. Neek-Amal. "Optoelectronic properties of confined water in angstrom-scale slits." *Physical Review B* 102, no. 23 (2020): 235406.
57. Đorđević, T., 2021. Teorijski modeli plazmona u grafenu pri interakciji sa naelektrisanim česticama (Doctoral dissertation, Univerzitet u Beogradu-Fizički fakultet).
58. Cui, Lin, Jingang Wang, and Mengtao Sun. "Graphene Plasmon for Optoelectronics." Reviews in Physics (2021): 100054.
59. Vázquez, Henrique, Alina Kononov, Andreas Kyritsakis, Nikita Medvedev, André Schleife, and Flyura Djurabekova. "Electron cascades and secondary electron emission in graphene under energetic ion irradiation." Physical Review B 103, no. 22 (2021): 224306.
60. Armaghani, Sahar, Ali Rostami, and Peyman Mirtaheri. "Analysis and Simulation of the Optical Properties of a Quantum Dot on a Graphene Nanoribbon System." In *Photonics*, vol. 9, no. 4, p. 220. MDPI, 2022.
61. Akbari, Kamran, and Zoran L. Mišković. "Directional effects in plasmon excitation and

transition radiation from an anisotropic 2D material induced by a fast charged particle." *Nanoscale* 14, no. 13 (2022): 5079-5093.
62. Vázquez Muíños, Henrique. "Computer simulations of swift heavy ion effects in graphene and amorphous bulk materials." (2022), PhD thesis, ISBN 978-951-51-7822-0 Helsinki 2022, UNIVERSITY OF HELSINKI.
63. Preciado Rivas María Rosa. "Theoretical Description of the Forces on a Point Charge Moving Parallel to a Supported Two-dimensional Material." Master's thesis, University of Waterloo, 2022.

D. Borka, I. Radovic and Z. L. Miškovic, Dynamic polarization of graphene by moving external charges: Comparison with 2D electron gas, Nuclear Instruments and Methods in Physics Research B, 269, pp. 1225-1228, (2011).
цитира се у:
1. O. Roslyak, Godfrey Gumbs, Danhong Huang, Energy loss spectroscopy of epitaxial versu sfree-standing multilayer graphene, Physica E, Volume 44, Issue 9, p. 1874-1884 (2012).
2. Kalinić, Ana, Vito Despoja, Ivan Radović, Lazar Karbunar, and Zoran L. Mišković. "Stopping and image forces acting on a charged particle moving near a graphene-Al2O3-graphene heterostructure." Physical Review B 106, no. 11 (2022): 115430.

I. Radovic, D. Borka and Z. L. Miškovic, Wake effect in doped graphene due to moving external charge, Phys. Lett. A 375, pp. 3720-3725, (2011).
цитира се у:
1. V. Despoja, K. Dekanic, M. Šunjic, and L. Marušic, Ab initio study of energy loss and wake potential in the vicinity of a graphene monolayer, PHYSICAL REVIEW B 86, 165419-1-10 (2012).
2. Zhang, Y.-Y., Zhao, D., You, S.-Y., Song, Y.-H., Wang, Y.-N., Wake Effects in Ion Transport through Carbon Nanotubes, CHIN. PHYS. LETT. Vol. 30, No. 9 (2013) 096103.
3. Chun-Zhi Li, You-Nian Wang, Yuan-Hong Song, Z.L. Miškovic, Interactions of charged particle beams with double-layered two-dimensional quantum electron gases, Phys. Lett. A 378 (22-23), pp. 1626-1631 (2014).
4. Moradi Afshin, Energy density and energy flow of plasmonic waves in bilayer graphene,Optics Communications 394:135-138 · July 2017.
5. V. Despoja, I. Radović, L. Karbunar and Z. L. Mišković, Wake Effect due to Excitation of Plasmon-Phonon Hybrid Modes in a Graphene-Sapphire-Graphene Structure by a Moving Charge, Contributed papers and abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, 29th Summer School and International Symposium on the Physics of Ionized Gases, Belgrade, Serbia, Aug. 28-Sep. 1, p. 82-85 (2018).
6. Afshin Moradi, Plasmonic waves of graphene on a conducting substrate, Journal of Modern Optics, September 2018. DOI: 10.1080/09500340.2018.1526342
7. Vito Despoja, Ivan Radović, Lazar Karbunar, Ana Kalinić, and Zoran L. Mišković, Wake potential in graphene-insulator-graphene composite systems, PHYSICAL REVIEW B 100, 035443 (2019).
8. Bai, Xiang-Jia, Ying-Ying Zhang, Zoran L. Mišković, Ivan Radović, Chun-Zhi Li, and Yuan-Hong Song. "The Effects of Pseudomagnetic Fields on Plasmon–Phonon Hybridization in Supported Graphene Probed by a Moving Charged Particle." Plasmonics 16, no. 4 (2021): 1089-1098.
9. Kalinić, Ana, Ivan Radović, Lazar Karbunar, Vito Despoja, and Zoran L. Mišković. "Wake

effect in interactions of ions with graphene-sapphire-graphene composite system." Physica E: Low-dimensional Systems and Nanostructures 126 (2021): 114447.
10. Đorđević, T., 2021. Teorijski modeli plazmona u grafenu pri interakciji sa naelektrisanim česticama (Doctoral dissertation, Univerzitet u Beogradu-Fizički fakultet).
11. Kalinić, Ana, Vito Despoja, Ivan Radović, Lazar Karbunar, and Zoran L. Mišković. "Stopping and image forces acting on a charged particle moving near a graphene-Al2O3-graphene heterostructure." Physical Review B 106, no. 11 (2022): 115430.

D. Borka, S. Petrovic and N. Neškovic, name of the monograph: Channeling of protons through carbon nanotubes, Nova Science Publishers, Series: Nanotechnology Science and Technology, softcover standing alone book, pages 1-78, ISBN 978-1-61122-050-6, New York (2011).
цитира се у:
1. A. Karabarbounis, S. Sarros, Ch. Trikalinos, Channeling and energy losses of 10 MeV protons in straight chiral carbon nanotube bundles, Nuclear Instruments and Methods in Physics Research B 316 (2013) 160–170.
2. Marko M. Cosic, Kvantne duge pri kanalisanju pozitrona u ugljenicnim nanocevima, doktorska disertacija, Beograd, 2014.
3. A. V. Korol et al., Channeling and Radiation in Periodically Bent Crystals, 241, Springer Series on Atomic, Optical, and Plasma Physics 69, DOI: 10.1007/978-3-642-54933-5, Springer-Verlag Berlin Heidelberg 2014.
4. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.
5. N. Neškovic, Rainbows with crystals and nanotubes, XVIII Symposium of Condensed Matter Physics SFKM 2011, Belgrade, Serbia, Book of Abstracts, p.34
6. I. Telecki, S. Petrovic, P. Belicev, B. Radenovic, R. Balvanovic, B. Bojovic, N. Neškovic, Focusing properties of a square electrostatic rainbow lens, Nuclear Instruments and Methods in Physics Research A 694, pp. 224-233, (2012.)
7. N. Neškovic and S. Petrovic, ”Rainbows with Crystals and Nanotubes”
Nanosci. Nanotechnol. Lett. 4, 1033-1043, (2012).
8. S. Petrovic, M. Cosic, and N. Neškovic, Quantum rainbow channeling of positrons in very short carbon nanotubes, PHYSICAL REVIEW A 88, 012902-1-11 (2013).
9. Igor N. Telecki, Jonska optika elektrostatickog duginog sociva, doktorska disertacija, Beograd, 2013.
10. M. Cosic, S. Petrovic and N. Neškovic, Quantum rainbow characterization of short chiral carbon nanotubes, Nuclear Instruments and Methods in Physics Research B 323 (2014) 30–35.
11. M. Cosic, S. Petrovic, N. Neškovic, Computational method for the long time propagation of quantum channeled particles in crystals and carbon nanotubes, Nuclear Instruments and Methods in Physics Research B 330 (2014) 33–41.
12. M. Cosic, S. Petrovic, and N. Neškovic. "Quantum primary rainbows in transmission of positrons through very short carbon nanotubes." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms 373 (2016): 52-62.
13. Igor N. TELECKI, Petar D. BELICEV, Srdjan
M. PETROVIC, and Nebojša B. NEŠKOVIC, Focusing Properties of a Square Electrostatic Rainbow Lens, Nuclear Technology & Radiation Protec tion: Year 2015, Vol.30, No. 4,

pp.239-248.
14. Nebojša Neškovic, Srdjan Petrovic, and Marko Cosic, Rainbows in Channeling of Charged Particles in Crystals and Nanotubes, Springer, 2017. 1-193.
ISBN 978-3-319-61524-0
15. Epp, Vladimir, Julia Janz, and Margarita Zotova. "Angular momentum of radiation at axial channeling." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms 436 (2018): 78-83.
16. Marko Ćosić, Srdjan Petrović and Nebojša Nešković, Quantum Rainbows in Positron Transmission Through Carbon Nanotubes, Atoms 7(1) 16, 2019.
17. Vladimir Epp, Ulyana Guselnikov, Julia Janz, Angular momentum of radiation from a charge drifting along a cylindrical channel in a magnetic field, Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Volume 489, 15 February 2021, Pages 1-6
18. Ćosić, M., M. Hadžijojić, S. Petrović, and R. Rymzhanov. "Morphological study of the rainbow scattering of protons by graphene<? A3B2 show [editpick]?>." Chaos: An Interdisciplinary Journal of Nonlinear Science 31, no. 9 (2021): 093115.
19. Haždijojić, M., M. Ćosić, and Ruslan Rymzhanov. "Morphological Analysis of the Rainbow Patterns Created by Point Defects of Graphene." The Journal of Physical Chemistry C 125, no. 38 (2021): 21030-21043.
20. Ćosić, Marko, S. Petrović, and Yuichi Takabayashi. "Classical patterns in the quantum rainbow channeling of high energy electrons." Physical Review A 103, no. 2 (2021): 022818.
21. Epp, V. and Janz, J., 2022. Radiation from a charge drifting along a cylindrical channel. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, *512*, pp.1-5.
22. Haurylavets, V. V., A. Leukovich, A. Sytov, L. Bandiera, A. Mazzolari, M. Romagnoni, V. Guidi, G. B. Sushko, A. V. Korol, and A. V. Solov'yov. "MBN explorer atomistic simulations of 855 MeV electron propagation and radiation emission in oriented silicon bent crystal: theory versus experiment." The European Physical Journal Plus 137, no. 1 (2022): 34.
23. Korol, A. and Solov'yov, A.V., 2022. Channeling Phenomenon and Channeling Radiation. In *Novel Lights Sources Beyond Free Electron Lasers* (pp. 57-103). Springer, Cham.

P. Jovanovic, V. Borka Jovanovic, D. Borka, Influence of black hole spin on the shape of the Fe kα spectral line, Balt. Astron., 20, 468-471 (2011).
цитира се у:

1. P. Jovanovic, The broad Fe Kα line and supermassive black holes, New Astron. Rev., Volume: 20 Issue: 3 Pages: 468-471 Published: 2011.
2. P. Jovanovic, "Investigation of some galactic and extragalactic gravitational phenomena", Serb. Astron. J. 185, 1-16 (2012).
DOI: 10.2298/SAJ1285001J
3. P. Jovanovic, Strong gravity and relativistic accretion disks around supermassive black holes, Sveske fizickih nauka (SFIN) year XXVI Series A: Conferences No. A1, 215- 222 (2013).
4. П. Јовановић, "Изучавање супермасивних црних рупа у језгрима активних галаксија", Зборник радова са XII Конгреса физичара Србије, с. 380-383, Врњачка Бања, 2013.
5. P. Jovanovic, L. C. Popovic, Supermassive binary black holes - possible observational effects in the X-ray emission, Facta Universitatis: Series: Physics, Chemistry and Technology Vol. 12, No 2, 83-90, 2014.
6. P. Jovanovic, CENTRAL SUPERMASSIVE BLACK HOLE OF THE MILKY WAY, Publ. AOB No. 94 , 161 – 169, (2016).

7. Bon, Nataša, Edi Bon, Paola Marziani, and Predrag Jovanovic. "Gravitational redshift of emission lines in the AGN spectra." Astrophysics and Space Science 360, no. 2 (2015): 1-8.
8. L. Č. POPOVIĆ, D. ILIĆ, E. BON, N. BON, P. JOVANOVIĆ et al., SPECTROSCOPY AND SPECTROPOLARIMETRY OF AGN: FROM OBSERVATIONS TO MODELLING, Publ. Astron. Obs. Belgrade No. 98 (2018), 49 – 58.

Radovi 2012.

E. Bon, P. Jovanovic, P. Marziani, A. I. Shapovalova, N. Bon, V. Borka Jovanovic, D. Borka, J. Sulentic and L. C. Popovic, The First Spectroscopically Resolved Sub-parsec Orbit of a Supermassive Binary Black Hole, Astrophys. J. 759, 118-1-8 (2012).
цитира се у:
1. Fazeel Mahmood Khan and Kelly Holley-Bockelmann, Supermassive Black Hole Binary Evolution in Axisymmetric Galaxies: The Final Parsec Problem is Not a Problem, The Astrophysical Journal, Volume 773, Issue 2, article id. 100, 6 pp. (2013).
2. Y. Shen, X. Liu, A. Loeb, S. Tremaine, Constraining sub-parsec binary supermassive black holes in quasars with multi-epoch spectroscopy. I. The general quasar population, The Astrophysical Journal, Volume 775, Issue 1, article id. 49, 23 pp. (2013).
3. N.-Y. Tang, Y.-F. Yuan, Mass flow in the circumbinary disk with gap around supermassive binary black holes, Research in Astronomy and Astrophysics, Volume 13, Issue 12, article id. 1455-1462 (2013).4. Sarah Burke-Spolaor, Multi-messenger approaches to binary supermassive black holes in
the “continuous-wave” regime, Classical and Quantum Gravity, Volume 30, Issue 22, article id. 224013 (2013).
5. Hayasaki Kimitake, Saito Hideki, Mineshige Shin, Binary Black Hole Accretion Flows From a Misaligned Circumbinary Disk, Publications of the Astronomical Society of Japan, Vol.65, No.4, Article No.86, 11 pp. (2013).
6. Lazio, T. J. W., The Square Kilometre Array pulsar timing array, Classical and Quantum Gravity, Volume 30, Issue 22, article id. 224011 (2013).
7. Xin Liu, Yue Shen, Fuyan Bian, Abraham Loeb, Scott Tremaine, Constraining sub-parsec binary supermassive black holes in quasars with multi-epoch spectroscopy. II. The population with kinematically offset broad balmer emission lines, The Astrophysical Journal, Volume 789, Issue 2, article id. 140, 22 pp. (2014).
8. A. Vasylenko, E. Fedorova, V. I. Zhdanov, Studying the X-ray properties of Seyfert 1.9 galaxy NGC 1194 with XMM-Newton and INTEGRAL observational data, Proceedings of the workshop Astrophysical and cosmological problems of invisible mass and dark energy in the Universe, Kyiv, Ukraine, November 21-22, p. 58-61 (2012).
9. B. McKernan, K.E.S. Ford, B.Kocsis, W.Lyra, L.M.Winter, Intermediate mass black holes in AGN disks II. Model predictions and observational constraints, Mon. Not. R. Astron. Soc. Volume 441, Issue 1, p.900-909 (2014).
10. Di-Fu Guo, Shao-Ming Hu, Jun Tao, Hong-Xing Yin, Xu Chen, Hong-Jian Pan, Optical Monitoring of the Seyfert Galaxy NGC 4151 and Possible Periodicities in the Historical Light Curve, Research in Astronomy and Astrophysics, Vol. 14, No. 8 (2014).
11. Christopher A. Onken, Monica Valluri, Jonathan S. Brown, Peter J. McGregor, Bradley M. Peterson, Misty C. Bentz, Laura Ferrarese, Richard W. Pogge, Marianne Vestergaard, Thaisa Storchi-Bergmann, Rogemar A. Riffel, The Black Hole Mass of NGC 4151. II. Stellar Dynamical Measurement from Near-Infrared Integral Field Spectroscopy, The Astrophysical

Journal, Volume 791, Issue 1, article id. 37, 20 pp. (2014).
12. Bogdanovic, Tamara. "Supermassive Black Hole Binaries: The Search Continues." In Gravitational Wave Astrophysics, pp. 103-119. Springer International Publishing, 2015.
13. Kun E., Gabányi K.É. Karouzos M., Britzen S., Gergely L. Á., A spinning supermassive black hole binary model consistent with VLBI observations of the S5 1928+738 jet, Monthly Notices of the Royal Astronomical Society 445.2 (2014):1370-1382.
14. Gusev, A. V., N. K. Porayko, and V. N. Rudenko. "Detection of gravitational radiation from supermassive black hole binaries via pulsar timing." Gravitation and Cosmology 20.4 (2014): 290-298.
15. Komossa, S. and Zensus J. A., "Compact object mergers: Observations of supermassive binary black holes and stellar tidal disruption events." Proceedings IAU Symposium No. 312, 2015, pages:12.
16. A. A. Vasylenko, E. V. Fedorova, B. I. Hnatyk, and V. I. Zhdanov. "Evidence for a binary black hole in active nucleus of NGC 1194 galaxy?." Kinematics and Physics of Celestial Bodies 31, no. 1 (2015): 13-18.
17. Runnoe, Jessie C. et al.,A Large Systematic Search for Close Supermassive Binary and Rapidly Recoiling Black Holes. II. Continued Spectroscopic Monitoring and Optical Flux Variability, The Astrophysical Journal Supplement Series, Volume 221, Issue 1, article id. 7, 24 pp. (2015).
18. K. Holley-Bockelmann, F. M. Khan, Galaxy rotation and rapid supermassive black hole binary coalescence, Astrophys. J. 810, 139-1-8 (2015).
19. Liu Jia, Eracleous Michael, Halpern Jules P., A Radial Velocity Test for Supermassive Black Hole Binaries as an Explanation for Broad, Double-Peaked Emission Lines in Active Galactic Nuclei, eprint arXiv:1512.01825 (2015), Astrophysical Journal, Volume 817, Issue1, 20 January 2016, Article number 42.
20. W. Sulentic, P. Marziani, A. Del Olmo, S. Zamfir, Balmer line shifts in quasars, arXiv:1512.06224v1 (2015), Sulentic J.W., Marziani P., Del Olmo A., Zamfir S., Astrophysics and Space Science, Volume 361, Issue 2, 1 February 2016, Article number 55, Pages 1-10.
21. P. Jovanovic, “Investigation of some galactic and extragalactic gravitational phenomena”, Serb. Astron. J. 185, 1-16 (2012).
22. L. C. Popovic and P. Jovanovic, “Supermassive Binary Black Hole - Possible Observational Effects in the X-ray Emission", The book of a short contributions and extended abstracts, p. 55-56, 25-29 April, 2013, Vrnjacka Banja, Serbia.
23. P. Jovanovic, L. C. Popovic, Supermassive binary black holes - possible observational effects in the X-ray emission, Facta Universitatis: Series: Physics, Chemistry and Technology Vol. 12, No 2, 83-90, 2014.
24. J. W. Sulentic, P. Marziani, A. D. Olmo, I. Plauchu-Frayn, Techniques for profile binning and analysis of eigenvector composite spectra: Comparing Hß and MgIIλ2800 as virial estimators, Advances in Space Research 54 (7), pp. 1406-1413 (2014).
25. D. Ilic, L. C. Popovic, A. I. Shapovalova, A. N. Burenkov, V. H. Chavushyan, A. Kovacevic, W. Kollatscnhy, The variability of the optical spectra of three type 1 AGNs, Proceedings of science (Seyfert 2012) 013-1-6 (2013),
26. Dragana Ilic, Alla I. Shapovalova, Luka C. Popovic, Alexander N. Burenkov, Vahram H. Chavushyan, Andjelka Kovacevic and Wolfram Kollatschny , Long-term variability in the continuum and broad spectral lines of a number of active galactic nuclei, Contributed papers and abstracts of invited lectures and progress reports of the 27th Summer School and International Symposium on the Physics of Ionized Gases, Belgrade, Serbia, August 26-29, p. 509-512 (2014).
27. D. Ilic and L. C. Popovic, Supermassive black holes and spectral emission lines, XXII

International Conference on Spectral Line Shapes 2014, Journal of Physics: Conference Series 548 (2014) 012002.
28. Marziani, Paola. "Grand Challenges in Milky Way and Galaxies." Frontiers in Astronomy and Space Sciences 2 (2015): 1.
29. D.Ilic, L.C. Popovic, A. I. Shapovalova, A. N. Burenkov, V. H. Chavushyan, A.Kovacevica, Line shape variability in a sample of AGN with broad lines, Journal of Astrophysics and Astronomy Volume 36, Issue 4, 1 December 2015, Article number 0, Pages 433-445, Springer (2015).
30. S. Simic and L. C. Popovic, Line shifts and sub-pc super-massive binary black holes, Astrophysics and Space Science, Volume 361, Issue 2, 1 February 2016, Article number 59, Pages 1-10 (2016).
31. Shapovalova, A. I.; Popovic, L. C.; Chavushyan, V. H.; Burenkov, A. N.; Ilic, D.; Kollatschny, W.; Kovacevic, A.; Valdes, J. R.; Patino-Alvarez, V.; Leon-Tavares, J.; Torrealba, J.; Zhdanova, V. E., First long-term optical spectro-photometric monitoring of a binary black hole candidate E1821+643: I. Variability of spectral lines and continuum, ApJS 222 (2), 25 (2016).
32. Fedorova, E., A. Vasylenko, B. I. Hnatyk, and V. I. Zhdanov. "The peculiar megamaser AGN NGC 1194: Comparison with the warped disk candidates NGC 1068 and NGC 4258." Astronomische Nachrichten 337, no. 1-2 (2016): 96-100.
33. Smailagic, M. and E. Bon. "Line Shapes Emitted from Spiral Structures around Symmetric Orbits of Supermassive Binary Black Holes." Journal of Astrophysics and Astronomy: Volume 36, Issue 4, 1 December 2015, Article number 0, Pages 513-527.
34. Li, Yan-Rong; Wang, Jian-Min; Ho, Luis C.; Lu, Kai-Xing; Qiu, Jie; Du, Pu; Hu, Chen; Huang, Ying-Ke; Zhang, Zhi-Xiang; Wang, Kai; Bai, Jin-Ming, Spectroscopic Evidence for aCenti-parsec Supermassive Black Hole Binary in the Galactic Center of NGC 5548, , Astrophysical Journal, Supplement Series, Volume 221, Issue 1, 1 November 2015, Article number 7.
35. Sredzinska, J.; Czerny, B.; Hryniewicz, K.; Krupa, M.; Marziani, P.; Adhikari, T. P.; Basak, R.; You, B.; Bilicki, M., SALT long-slit spectroscopy of HE 0435-4312: fast change in the Mg II emission line shape, submitted to Astronomy and Astrophysics (2016).
36. Li Y.-R. et al., SPECTROSCOPIC INDICATION of A CENTI-PARSEC SUPERMASSIVE BLACK HOLE BINARY in the GALACTIC CENTER of NGC 5548, Astrophysical Journal Volume 822, Issue 1, 1 May 2016, Article number 4.
37. Bon N., Bon, E., Marziani, P., Jovanovic, P., Gravitational redshift of emission lines in the AGN spectra, Astrophysics and Space Science Volume 360, Issue 2, 1 December 2015, Article number 41, Pages 1-8.
38. Girish Kulkarni and Abraham Loeb, Radio crickets: chirping jets from black hole binaries entering their gravitational wave inspiral, MNRAS 456, 3964–3971 (2016).
39. Bon, E., Zucker, S., Netzer, H., Marziani, P., Bon, N., Jovanovic, P., Shapovalova, A.I., Komossa, S., Gaskell, C.M., Popovic, L.C. and Britzen, S., 2016. Evidence for periodicity in 43-year-long monitoring of NGC 5548. arXiv preprint arXiv:1606.04606, ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES Volume: 225 Issue: 2 Article Number: 29 Published: AUG 2016.
40. Nguyen, K. and Bogdanovic, T., 2016. Emission Signatures from Sub-parsec Binary Supermassive Black Holes I: Diagnostic Power of Broad Emission Lines. arXiv preprint arXiv:1605.09389, ASTROPHYSICAL JOURNAL Volume: 828 Issue: 2
Article
Number: 68, Published: SEP 10 2016 .
41. Bertoni, Valle. "Gap formation and its consecuence in the evolution of SMBHS binaries in galaxy mergers." (2015), PHD thesis of LUCIANO NOE DEL VALLE BERTONI,

SANTIAGO DE CHILE DICIEMBRE, 2015.
42. 1. E. Kun, P. L. Biermann, L. Á. Gergely, A flat spectrum candidate for a track-type high energy neutrino emission event, the case of blazar PKS 0723-008, MNRAS Letters, 466, L34 (2017).
43. P. Jovanovic, CENTRAL SUPERMASSIVE BLACK HOLE OF THE MILKY WAY, Publ. AOB No. 94 , 161 – 169, (2016).
44. A. Kovacevic, L. C Popovic, A. I. Shapovalova, D. Ilic, Periodicity in the continua and broad line curves of a quasar E1821+643, Astrophysics and Space Science Vol. 362,, p. 31-1-13 (2017).
45. J. C. Runnoe, M. Eracleous, A. Pannell, G. Mathes, T. Boroson, S. Sigurdsson, T. Bogdanovic, J. P. Halpern, J. Liu, S. Brown, A large systematic search for close supermassive binary and rapidly recoiling black holes. III. Radial velicity variations, MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 468 Issue: 2 Pages: 1683-1702 Published: JUN 2017.
46. Nemanja Rakic, Giovanni La Mura, Dragana Ilic, Alla I. Shapovalova, Wolfram Kollatschny, Piero Rafanelli, Luka C. Popovic, The intrinsic Baldwin effect in broad Balmer lines of six long-term monitored AGNs, DOI: 10.1051/0004-6361/201630085, A&A, 603, Article Number: QA49, (2017).
47. E. Bon, P. Marziani, N. Bon, Periodic optical variability of AGN, arXiv:1702.07210v1, New Frontiers in Black Hole Astrophysics Proceedings IAU Symposium (2017).
48. Gaskell, C. Martin, and Peter Z. Harrington. "Partial dust obscuration in active galactic nuclei as a cause of broad-line profile and lag variability, and apparent accretion disc inhomogeneities." Monthly Notices of the Royal Astronomical Society 478(2), pp. 1660-1669.
49. Sredzinska, J., B. Czerny, K. Hryniewicz, Magdalena Krupa, Agnieszka Kurcz, P. Marziani, T. P. Adhikari et al. "SALT long-slit spectroscopy of quasar HE 0435-4312: fastdisplacement of the Mg II emission line." Astronomy & Astrophysics 601 (2017): A32.
50. Marziani, Paola, Ascensión del Olmo, Mary Loli Martínez-Aldama, Deborah Dultzin, Alenka Negrete, Edi Bon, Natasa Bon, and Mauro D'Onofrio. "Quasar Black Hole Mass Estimates from High-Ionization Lines: Breaking a Taboo?." Atoms 5, no. 3 (2017): 33.
51. Kun, Emma, Peter L. Biermann, Silke Britzen, and László Á. Gergely. "On the High-Energy Neutrino Emission from Active Galactic Nuclei." Universe 4, no. 2 (2018): 24.
52. Kovacevic, Andjelka B., Ernesto Pérez-Hernández, Luka C. Popovic, Alla I. Shapovalova, Wolfram Kollatschny, and Dragana Ilic. "Oscillatory patterns in the light curves of five long-term monitored type 1 active galactic nuclei." Monthly Notices of the Royal Astronomical Society 475, no. 2 (2018): 2051-2066.
53. Leor Barack, Vitor Cardoso, Samaya Nissanke, Thomas P. Sotiriou (editors) Abbas Askar, Chris Belczynski, Gianfranco Bertone, Edi Bon et al., Black holes, gravitational waves and fundamental physics: a roadmap, arXiv:1806.05195v2 (June 2018)
54. Bryan J. Pflueger, Khai Nguyen, Tamara Bogdanović, Michael Eracleous, Jessie C. Runnoe, Steinn Sigurdsson, & Todd Boroson, LIKELIHOOD FOR DETECTION OF SUB-PARSEC SUPERMASSIVE BLACK HOLE BINARIES IN SPECTROSCOPIC SURVEYS, 2018 Astrophysical Journal 861(1), 59.
55. L. Č. POPOVIĆ, D. ILIĆ, E. BON, N. BON, P. JOVANOVIĆ et al., SPECTROSCOPY AND SPECTROPOLARIMETRY OF AGN: FROM OBSERVATIONS TO MODELLING, Publ. Astron. Obs. Belgrade No. 98 (2018), 49 – 58.
56. V.L.Oknyanskij, N.V.Metlova, N.A.Huseynov, Di-Fu Guo, V.M.Lyuty, OPTICAL MONITORING OF NGC4151 DURING 110 YEARS, Odessa Astronomical Publications, vol. 29, 95-97 (2016) DOI: http://dx.doi.org/10.18524/1810-4215.2016.29.85058
57. E. Bon, P. Jovanović, P. Marziani, N. Bon, and A. Otašević, Exploring possible relations

between optical variability time scales and broad emission line shapes in AGN, arXiv:1805.07007 (2018).
58. Burke-Spolaor S, Blecha L, Bogdanovic T, Comerford JM, Lazio TJ, Liu X, Maccarone TJ, Pesce D, Shen Y, Taylor G. The Next-Generation Very Large Array: Supermassive Black Hole Pairs and Binaries. arXiv preprint arXiv:1808.04368. 2018 Aug 13.
59. Ezoe, Y., Miyoshi, Y., Kasahara, S., (...), Ueno, M., Branduardi-Raymont, G. , Ultralightweight x-ray telescope missions: ORBIS and GEO-X, Journal of Astronomical Telescopes, Instruments, and Systems 4(4), 046001 (Oct–Dec 2018).
60. Guo H, Liu X, Shen Y, Loeb A, Monroe T, Prochaska JX. Constraining Sub-Parsec Binary Supermassive Black Holes in Quasars with Multi-Epoch Spectroscopy. III. Candidates from Continued Radial Velocity Tests, MNRAS 482, 3288–3307 (2019).
61. Mauro D'Onofrio and Paola Marziani, A Multimessenger View of Galaxies and Quasars From Now to Mid-century, Frontiers in Astronomy and Space Sciences, September 2018, Volume 5, Article 31.
62. Jian-Min Wang, Yu-Yang Songsheng, Yan-Rong Li, and Zhe Yu, "Kinematic Signatures of Reverberation Mapping of Close Binaries of Supermassive Black Holes in Active Galactic Nuclei" 2018 Astrophysical Journal 862(2),171
63. Xing-Jiang Zhu, Weiguang Cui, and Eric Thrane, The minimum and maximum gravitational-wave background from supermassive binary black holes, MNRAS 482, 2588–2596 (2019).
64. Edi Bon, Paola Marziani, Predrag Jovanović and Nataša Bon, On the Time Scales of Optical Variability of AGN and the Shape of Their Optical Emission Line Profiles, Atoms 2019, 7, 26; doi:10.3390/atoms7010026.
65. E. Kun, Doctoral Dissertation "Revealing supermassive black hole binaries via the signatures in the jets of radio-loud active galactic nuclei", University of Szeged, Hungary, 2017.
66. Kovačević, Andjelka B., Luka Č. Popović, Saša Simić, and Dragana Ilić. "The Optical Variability of Supermassive Black Hole Binary Candidate PG 1302–102: Periodicity and Perturbation in the Light Curve." The Astrophysical Journal 871, no. 1 (2019): 32.
67. Đ. Savić, F. Marin, L. Č. Popović, Predicting the broad lines polarization emitted by supermassive binary black holes, Astron. Astrophys. 623, A56-1-19 (2019).
68. Li Yan-Rong, Jian-Min Wang, Zhi-Xiang Zhang, Kai Wang, Ying-Ke Huang, Kai-Xing Lu, Chen Hu et al. "A Possible∼ 20 yr Periodicity in Long-term Optical Photometric and Spectral Variations of the Nearby Radio-quiet Active Galactic Nucleus Ark 120." The Astrophysical Journal Supplement Series 241, no. 2 (2019): 33.
67. Leor Barack et al., Black holes, gravitational waves and fundamental physics: a roadmap, 2019 Class. Quantum Grav. 36, 143001.
68. Feng, Y., Li, D., Li, Y. R., & Wang, J. M. (2019). Constraints on individual supermassive binary black holes using observations of PSR J1909-3744. *arXiv preprint arXiv:1907.03460*.
69. C. Babusiaux et al. (The MSE Science Team), *The detailed science case for the maunakea spectroscopic explorer, 2019 edition*, arXiv:1904.04907 (2019)
70. Nguyen, K., Bogdanovic, T., Runnoe, J. C., Eracleous, M., Sigurdsson, S., & Boroson, T. (2019). Emission Signatures from Sub-parsec Binary Supermassive Black Holes III: Comparison of Models with Observations. arXiv preprint arXiv:1908.01799.
71. Songsheng, Y. Y., Wang, J. M., Li, Y. R., & Du, P. (2019). The Very Large Telescope Interferometric Signals of Close Binaries of Supermassive Black Holes in Active Galactic Nuclei. The Astrophysical Journal 881, no. 2 (2019): 140.
72. V. Ganci, P. Marziani, M. D'Onofrio, A. del Olmo, E. Bon, N. Bon, and C.A. Negrete, Radio-loudness along the quasar main sequence, Astronomy & Astrophysics 630 (2019): A110.

73. Kovacevic, Andjelka, J. Wang, and Luka Popovic. "Kinematic signatures of reverberation mapping of close binaries of supermassive black holes in active galactic nuclei. III. The case of elliptical orbits." *Astronomy & Astrophysics* (2019).
74. Yu-Yang Songsheng, Ming Xiao, Jian-Min Wang, Luis C. Ho, Kinematic Signatures of Reverberation Mapping of Close Binaries of Supermassive Black Holes in Active Galactic Nuclei. II. Atlas of Two-dimensional Transfer Functions, Feb 2020, The Astrophysical Journal Supplement Series arXiv:1912.12965 (2019).
75. Bozena Czerny, Modelling broad emission lines in active galactic nuclei, Open Astron. 2019; 28: 200–212. https://doi.org/10.1515/astro-2019-0018
76. Zhu, Xing-Jiang, and Eric Thrane. "Toward the unambiguous identification of supermassive binary black holes through Bayesian inference." The Astrophysical Journal 900, no. 2 (2020): 117.
77. Kovačević, Andjelka B., Tignfeng Yi, Xinyu Dai, Xing Yang, Iva Čvorović-Hajdinjak, and Luka Č. Popović. "Confirmed short periodic variability of subparsec supermassive binary black hole candidate Mrk 231." Monthly Notices of the Royal Astronomical Society 494, no. 3 (2020): 4069-4076.
78. Kelley, Luke Zoltan. "Basic considerations for the observability of kinematically offset binary AGN." Monthly Notices of the Royal Astronomical Society 500, no. 3 (2021): 4065-4077.
79. Nguyen, Khai, Tamara Bogdanović, Jessie C. Runnoe, Stephen R. Taylor, Alberto Sesana, Michael Eracleous, and Steinn Sigurdsson. "Pulsar Timing Array Constraints on the Merger Timescale of Subparsec Supermassive Black Hole Binary Candidates." The Astrophysical Journal Letters 900, no. 2 (2020): L42.
80. Popović, L. Č., Saša Simić, Anđelka Kovačević, and Dragana Ilić. "Detecting subparsec supermassive binary black holes: Long-term monitoring perspective." Monthly Notices of the Royal Astronomical Society 505, no. 4 (2021): 5192-5211.
81. Komossa, S., S. Ciprini, L. Dey, L. C. Gallo, J. L. Gomez, A. Gonzalez, D. Grupe et al. "Supermassive binary black holes and the case of OJ 287." arXiv preprint arXiv:2104.12901 (2021).
82. Wang, Jian-Min, and Yan-Rong Li. "Observational signatures of close binaries of supermassive black holes in active galactic nuclei." Research in Astronomy and Astrophysics 20, no. 10 (2020): 160.
83. Hu, Chen, Sha-Sha Li, Wei-Jian Guo, Sen Yang, Zi-Xu Yang, Dong-Wei Bao, Bo-Wei Jiang et al. "Evidence for Two Distinct Broad-line Regions from Reverberation Mapping of PG 0026+ 129." The Astrophysical Journal 905, no. 1 (2020): 75.
84. Kovacevic, Andjelka, Yu-Yang Songsheng, Jian-Min Wang, and Luka C. Popovic. "Differential interferometry of close binary of supermassive black holes in an elliptical configuration." arXiv preprint arXiv:2010.01317 (2020).
85. Ji, Xiang, Youjun Lu, Junqiang Ge, Changshuo Yan, and Zihao Song. "Variation of Broad Emission Lines from QSOs with Optical/UV Periodicity to Test the Interpretation of Supermassive Binary Black Holes." The Astrophysical Journal 910, no. 2 (2021): 101.
86. Ilic, D., A. Kovacevic, and L. C. Popovic. "Investigation of active galactic nuclei in time domain era." arXiv preprint arXiv:2105.01515 (2021).
87. Kelley, Luke Zoltan. "Basic considerations for the observability of kinematically offset binary AGN." *Monthly Notices of the Royal Astronomical Society* 500, no. 3 (2021): 4065-4077.
88. Feng, Yi, Di Li, Zheng Zheng, and Chao-Wei Tsai. "Supermassive binary black hole evolution can be traced by a small SKA pulsar timing array." Physical Review D 102, no. 2 (2020): 023014.
89. Payne, Anna V., Benjamin J. Shappee, Jason T. Hinkle, Patrick J. Vallely, Christopher S.

Kochanek, Thomas W-S. Holoien, Katie Auchettl et al. "ASASSN-14ko is a Periodic Nuclear Transient in ESO 253-G003." The Astrophysical Journal 910, no. 2 (2021): 125.
90. Sniegowska, M., B. Czerny, E. Bon, and N. Bon. "Possible mechanism for multiple changing-look phenomena in active galactic nuclei." Astronomy & Astrophysics 641 (2020): A167.
91. Kovačević, Andjelka B., Luka Č. Popović, and Dragana Ilić. "Two-dimensional correlation analysis of periodicity in active galactic nuclei time series." Open Astronomy 29, no. 1 (2020): 51-55.
92. SAŠA SIMIĆ, LUKA Č. POPOVIĆ, ANDJELKA KOVAČEVIĆ and DRAGANA ILIĆ, INFLUENCE OF LIGHT-CURVE SAMPLING ON THE PERIODICITY DETERMINATION IN CASE OF SUBPARSEC SUPER-MASSIVE BLACK HOLE BINARIES, Publ. Astron. Obs. Belgrade No. 99 (2020), 315 – 318
93. Aggarwal, Yash. "Empirical relations defining the growth of supermassive black holes: Implications for the origins of black hole seeds." arXiv preprint arXiv:2112.06338 (2021).
94. Ji, Xiang, Jun-Qiang Ge, You-Jun Lu, and Chang-Shuo Yan. "Variations of broad emission lines from periodicity QSOs under the interpretation of supermassive binary black holes with misaligned circumbinary broad line regions." Research in Astronomy and Astrophysics 21, no. 9 (2021): 219.
95. Kovačević, A. "Investigating close binary supermassive black holes at high angular resolution." Serbian Astronomical Journal 202 (2021): 1-16.
96. Simić, Saša, Luka Č. Popović, Andjelka Kovačević, and Dragana Ilić. "The broad emission line asymmetry in a low mass ratio of supermassive binary black holes on elliptical orbits." Astronomische Nachrichten 343, no. 1-2 (2022): e210073.
97. Chen, J.W. and Wang, Y., 2022. Parameter-estimation Biases for Eccentric Supermassive Binary Black Holes in Pulsar Timing Arrays: Biases Caused by Ignored Pulsar Terms. *The Astrophysical Journal*, *929*(2), p.168.
98. Ji, Xiang, Youjun Lu, Junqiang Ge, Changshuo Yan, and Zihao Song. "Variation of Broad Emission Lines from QSOs with Optical/UV Periodicity to Test the Interpretation of Supermassive Binary Black Holes." The Astrophysical Journal 910, no. 2 (2021): 101.
99. Songsheng, Yu-Yang, Yi-Qian Qian, Yan-Rong Li, Pu Du, Jie-Wen Chen, Yan Wang, Soumya D. Mohanty, and Jian-Min Wang. "Search for Continuous Gravitational-wave Signals in Pulsar Timing Residuals: A New Scalable Approach with Diffusive Nested Sampling." The Astrophysical Journal 922, no. 2 (2021): 228.
100. Komossa, S., D. Grupe, A. Kraus, L. C. Gallo, A. G. Gonzalez, M. L. Parker, M. J. Valtonen et al. "Project momo: Multiwavelength observations and modeling of oj 287." Universe 7, no. 8 (2021): 261.
101. Kovačević, Andjelka B., Dragana Ilić, Luka Č. Popović, Viktor Radović, Isidora Jankov, Ilsang Yoon, Neven Caplar, Iva Čvorović-Hajdinjak, and Saša Simić. "On possible proxies of AGN light-curves cadence selection in future time domain surveys." Monthly Notices of the Royal Astronomical Society 505, no. 4 (2021): 5012-5028.
102. Bogdanović, Tamara, M. Coleman Miller, and Laura Blecha. "Electromagnetic counterparts to massive black-hole mergers." *Living Reviews in Relativity* 25, no. 1 (2022): 1-115.
103. Đorđe Savić, PhD thesis, Measuring black hole masses in active galactic nuclei using the polarization of broad emission lines,
Beograd, Strazbur, 2019.
104. Chen, Y.J., Zhai, S., Liu, J.R., Guo, W.J., Peng, Y.C., Li, Y.R., SongSheng, Y.Y., Du, P., Hu, C. and Wang, J.M., 2022. Quasar candidates with periodic variations from the Zwicky Transient Facility. I. Sample. *arXiv preprint arXiv:2206.11497*.
105. Benítez, E., E. Jiménez-Bailón, C. A. Negrete, D. Ruschel-Dutra, J. M. Rodríguez-

Espinosa, I. Cruz-González, L. F. Rodríguez et al. "Unravelling the nature of the dual AGN in the galaxy pair system IRAS 05589+ 2828 and 2MASX J06021107+ 2828382." *Monthly Notices of the Royal Astronomical Society* (2022).
106. Bao, D.W., Brotherton, M.S., Du, P., McLane, J.N., Zastrocky, T.E., Olson, K.A., Fang, F.N., Zhai, S., Huang, Z.P., Wang, K. and Zhao, B.X., 2022. Monitoring AGNs with Hβ Asymmetry. III. Long-term Reverberation Mapping Results of 15 Palomar–Green Quasars. *The Astrophysical Journal Supplement Series*, *262*(1), p.14.
107. Jetzer, Philippe; Cardoso, Vitor; Barack, Leor; Nissanke, Samaya; Sotiriou, Thomas P; Askar, Abbas; Belczynski, Chris; Bertone, Gianfranco; et al (2018). *Black holes, gravitational waves and fundamental physics: a roadmap.* arXiv 1806.05195, University of Zurich.
108. 1. Graham, Alister W., and Nandini Sahu. "Reading the tea leaves in the $ M_ {\rm bh} $-$ M_ {\rm*, sph} $ and $ M_ {\rm bh} $-$ R_ {\rm e, sph} $ diagrams: dry and gaseous mergers with remnant angular momentum." arXiv preprint arXiv:2210.09557 (2022).

D. Borka, P. Jovanovic, V. Borka Jovanovic, A. F. Zakharov, Constraints on R n gravityfrom precession of orbits of S2-like stars, Phys. Rev. D. 85, 124004-1-11 (2012) цитира се у:
1. Cheung, Y.-K.E., Xu, F. , Constraining the String Gauge Field by Galaxy Rotation Curves and Perihelion Precession of Planets, The Astrophysical Journal, Volume 774, Issue 1, article id. 65, 20 pp. (2013).
2. Lämmerzahl, Claus, and Jürgen Müller. "Summary of session C9: experimental gravitation." General Relativity and Gravitation 46, no. 5, 1-11 (2014).
3. Ramon Herrera, Nelson Videla, The generalized second law of thermodynamics for interacting f(R) gravity, 2014arXiv1406.6305H, International Journal of Modern Physics D 23 (8), 1450071 (2014).
4. S. Habib Mazharimousavi, M. Halilsoy, Cloud of strings as source in $2+1$-dimensional $f(R) = R^n$ gravity, arXiv:1511.00603 [gr-qc] (2015), European Physical Journal C, 76 (2), 95, pp. 1-5.
5. A. F. Zakharov, V. N. Pervushin, Conformal Cosmological Model and SNe Ia Data, Phys. Atom. Nucl. 75, 1418–1425 (2012).
6. P. Jovanovic, “Investigation of some galactic and extragalactic gravitational phenomena”, Serb. Astron. J. 185, 1-16 (2012).
7. A. F. Zakharov, Observational Signatures for Reissner-Nordstrom Black Hole with Significant Charge at the Galactic Center, Sveske fizickih nauka (SFIN) year XXVI Series A: Conferences No. A1, 375-387 (2013).
8. A. F. Zakharov, “Supermassive Black Hole at the Galactic Center”, The book of a short contributions and extended abstracts, p. 73-74, 25-29 April, 2013, Vrnjacka Banja, Serbia.
9. A. F. Zakharov, “Supermassive Black Hole at the Galactic Center”, Зборник радова са XII Конгреса физичара Србије, с. 40-49, Врњачка Бања, 2013.
10. A. F. Zakharov, Are signatures of anti-de-Sitter black hole at the Galactic Center?, arXiv: (2014).
11. A. F. Zakharov, Constraints on a charge in the Reissner--Nordström metric for the black hole at the Galactic Center, PHYSICAL REVIEW D 90, 062007 (2014).
12. A. F. Zakharov, SUPERMASSIVE BLACK HOLE AT THE GALACTIC CENTER, Facta Universitatis: Series: Physics, Chemistry and Technology Vol. 12, No 2, 125-134, 2014.
13. A. F. Zakharov, The Galactic Center: possible interpretations of observational data, IAU General Assembly, Meeting 29, p. 2254530 (2015).
14. A. F. Zakharov, Possible Alternatives to the Supermassive Black Hole at the Galactic Center, Journal of Astrophysics and Astronomy, pp 1-15 (2015). DOI: 10.1007/s12036-015-

9345-x1.
15. Zakharov, A. F. "Is there an ordinary supermassive black hole at the Galactic Center?." Gravitation, Astrophysics, and Cosmology-Proceedings of the Twlfth Asia-Pacific International Conference. Edited by HSU JONG-PING ET AL. Published by World Scientific Publishing Co. Pte. Ltd., 2016. ISBN# 9789814759816, pp. 176-182. 2016.
16. Zakharov, Alexander F. "The Galactic Center: possible interpretations of observational data." IAU General Assembly 22 (2015): 54530.
17. Zakharov, Alexander F. "Supermassive black hole at the galactic center." New Results and Actual Problems in Particle & Astroparticle Physics and Cosmology-Proceedings of XXIXth International Workshop on High Energy Physics. Edited by RYUTIN ROMAN, PETROV VLADIMIR & KISELEV V. Published by World Scientific Publishing Co. Pte. Ltd., 2014. ISBN# 9789814578745, pp. 141-152. Vol. 1. 2014.
18. P. Jovanovic, CENTRAL SUPERMASSIVE BLACK HOLE OF THE MILKY WAY, Publ. AOB No. 94 , 161 – 169, (2016).
19. A. Hees et al., “Testing General Relativity with stellar orbits around the supermassive black hole in our Galactic center”, Phys. Rev. Lett. (2017), in press., ArXiv:1705.07902v1.
20. Kirillov, Alexander A., and Elena P. Savelova. "On Recent Developments in Theoretical and Experimental General Relativity, Astrophysics, and Relativistic Field Theories (In 4 Volumes), The Fourteenth Marcel Grossmann Meeting, 2017.
21. Alexander Zakharov, The black hole at the Galactic Center: observations and models in a nutshell, IOP Conf. Series: Journal of Physics: Conf. Series 1234567890 934 (2017) 012037.
22. Anna D'Addio, MSc Thesis "Test di teorie della gravitazione tramite Sgr A* (Testing theories of gravity by Sgr A*)", Naples, Italy, December 2017.
23. I. De Martino, R. Lazkoz, M. De Laurentis, Analysis of the Yukawa gravitational potential in f(R) gravity I: semiclassical periastron advance, Physical Review D 97(10), 104067 (2018).
24. M. De Laurentis, I. De Martino, R. Lazkoz, Analysis of the Yukawa gravitational potential in f (R) gravity II: relativistic periastron advance, Physical Review D, 97(10),104068 (2018).
25. A. F. Zakharov, The black hole at the Galactic Center: observations and models, International Journal of Modern Physics D 27(6),1841009 (2018).
26. Alexander F. Zakharov, Constraints on tidal charge of the supermassive black hole at the Galactic Center with trajectories of bright stars, Eur. Phys. J. C (2018) 78:689.
27. A. D’ADDIO, S. CAPOZZIELLO, P. JOVANOVIĆ and V. BORKA JOVANOVIĆ, TESTING EXTENDED THEORY OF GRAVITY BY Sgr A*, Publ. Astron. Obs. Belgrade No. 98 (2018), 109 – 114.
28. Carvalho GA, Marinho Jr RM, Malheiro M. On Recent Developments in Theoretical and Experimental General Relativity, Astrophysics, and Relativistic Field Theories (In 4 Volumes), 2018.
30. Mariafelicia De Laurentis, Ivan De Martino and Ruth Lazkoz, Modified gravity revealed along geodesic tracks, Eur. Phys. J. C 2018. 78:916.
31. A. F. Zakharov, Tests of gravity theories with Galactic Center Observations, International Journal of Modern Physics D, 2019
DOI: 10.1142/S0218271819410037
32. 1. Amorim, António, Michael Bauböck, Myriam Benisty, Jean-Philippe Berger, Yann Clénet, Vincent Coude du Foresto, Tim de Zeeuw et al. "Scalar field effects on the orbit of S2 star." , *Monthly Notices of the Royal Astronomical Society* 489, no. 4 (2019): 4606-4621.
33. Potashov, I. M., Ju V. Tchemarina, and A. N. Tsirulev. "Bound orbits near scalar field naked singularities." The European Physical Journal C 79, no. 8 (2019): 709.

34. Dey, Dipanjan, Ashok Joshi, Parth Bambhaniya, and Pankaj S. Joshi. "Towards an observational test of black hole versus naked singularity at the galactic center." *Int. J. Mod. Phys.* 28 (2019): 1930024.
35. Joshi, Ashok B., Parth Bambhaniya, Dipanjan Dey, and Pankaj S. Joshi. "Timelike Geodesics in Naked Singularity and Black Hole Spacetimes II." *arXiv preprint arXiv:1909.08873* (2019).
36. Bambhaniya, Parth, Ashok B. Joshi, Dipanjan Dey, and Pankaj S. Joshi. "Timelike geodesics in naked singularity and black hole spacetimes." *Physical Review D* 100, no. 12 (2019): 124020.
37. Kalita, Sanjeev. "The Galactic Center Black Hole, Sgr A*, as a Probe of New Gravitational Physics with the Scalaron Fifth Force." The Astrophysical Journal 893, no. 1 (2020): 31.
38. R. I. Gainutdinov, “PPN motion of the S-stars around Sgr A”- arXiv preprint arXiv:2002.12598, 2020; Astrophysics volume 63, pages 470–481 (2020)
39. Dey, Dipanjan, Rajibul Shaikh, and Pankaj S. Joshi. "Perihelion precession and shadows near blackholes and naked singularities." arXiv preprint arXiv:2003.06810 (2020).
40. Bambhaniya, Parth, Divyesh N. Solanki, Dipanjan Dey, Ashok B. Joshi, Pankaj S. Joshi, and Vishva Patel. "Precession of timelike bound orbits in Kerr spacetime." The European Physical Journal C 81, no. 3 (2021): 1-11.
41. Gogoi, Dhruba Jyoti, and Umananda Dev Goswami. "Gravitational waves in $$\mathbf {f (R)} $$ f (R) gravity power law model." *Indian Journal of Physics* 96, no. 2 (2022): 637-646.
42. Lalremruati, P. C., and Sanjeev Kalita. "Periastron shift of compact stellar orbits from general relativistic and tidal distortion effects near Sgr A." Monthly Notices of the Royal Astronomical Society 502, no. 3 (2021): 3761-3768.
43. Zakharov, A. F. "Tests of Gravitational Theories with Observations of the Galactic Center and the Center of the Galaxy M87." Physics of Particles and Nuclei 51, no. 4 (2020): 750-756
44. Potashov, Ivan, Julia Tchemarina, and Alexander Tsirulev. "Null and Timelike Geodesics near the Throats of Phantom Scalar Field Wormholes." Universe 6, no. 10 (2020): 183.
45. Zakharov, Alexander F. "Testing the Galactic Centre potential with S-stars." *Monthly Notices of the Royal Astronomical Society: Letters* 513, no. 1 (2022): L6-L9.
46. Benisty, David, and Anne-Christine Davis. "Dark energy interactions near the Galactic Center." Physical Review D 105, no. 2 (2022): 024052.
47. Zakharov, Alexander F. "CONSTRAINTS ON GRAVITY THEORIES WITH OBSERVATIONS OF GALACTIC CENTER AND THE CENTER OF M87 GALAXY." In PARTICLE PHYSICS at the Year of 150th Anniversary of the Mendeleev’s Periodic Table of Chemical Elements: Proceedings of the Nineteenth Lomonosov Conference on Elementary Particle Physics, pp. 406-412. 2021.
48. Kalita, Sanjeev. "Eddington’s critical thoughts on general relativity: insights in the light of modern cosmology." The European Physical Journal Plus 137, no. 2 (2022): 264.
49. Lalremruati, P. C., and Sanjeev Kalita. "Is It Possible to See the Breaking Point of General Relativity near the Galactic Center Black Hole? Consideration of Scalaron and Higher-dimensional Gravity." The Astrophysical Journal 925, no. 2 (2022): 126.
50. Benisty, David. "Testing modified gravity via Yukawa potential in two body problem: Analytical solution and observational constraints." *Physical Review D* 106, no. 4 (2022): 043001.
51. Zakharov, A. F. "Orbits of Bright Stars Near the Galactic Center as a Tool to Test Gravity Theories." *Moscow University Physics Bulletin* 77, no. 2 (2022): 341-348.
52. de Laurentis, Mariafelicia, Ivan De Martino, and Riccardo Della Monica. "The Galactic Center as a laboratory for theories of gravity and dark matter." *arXiv preprint arXiv:2211.07008* (2022).

53. Lalremruati, P. C., and Sanjeev Kalita. "Effect of Dark Matter Distribution on Scalaron Gravity near the Galactic Center Black Hole and Its Prospects." *The Astrophysical Journal* 941, no. 2 (2022): 183.

D. Borka, V. Lukic, J. Timko and V. Borka Jovanovic, Identification of the types of carbon nanotubes using donut effects, Nuclear Instruments and Methods in Physics Research B 279, 198–201, (2012).
цитира се у:
1. A. Karabarbounis, S. Sarros, Ch. Trikalinos, Channeling and energy losses of 10 MeV protons in straight chiral carbon nanotube bundles, Nuclear Instruments and Methods in Physics Research B 316 (2013) 160–170.
2. A. Karabarbounis, S. Sarros and Ch. Trikalinos, Channeling of protons in radially compressed carbon nanotubes, Journal of Physics: Conference Series 517 (2014) 012038-1-6.
3. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.

D. Borka, V. Lukic, J. Timko and V. Borka Jovanovic, Using proton beams as a diagnostic tool in carbon nanotubes, Nuclear Instruments and Methods in Physics Research B 279, 169–172, (2012).
цитира се у:
1. Q. Cheng, G. M. Harris, M.-O. Blais, K. Rutledge, E. Jabbarzadeh, Alignment of carbon nanotubes: an approach to modulate cell orientation and asymmetry, Nano LIFE Vol. 4, No. 1 (2014) 1450002 (10 pages) DOI: 10.1142/S1793984414500020.
2. Cheng, Qingsu, "TOWARD DIRECTING CELL FATE: CARBON NANOTUBES AS MODULATORS OF EXTRACELLULAR AND TRANSPORTERS OF INTRACELLULAR CUES" (2013). Theses and Dissertations. Paper 2545, phd disertation, University of South Carolina - Columbia
3. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.

I. Radovic, D. Borka and Z. L. Miškovic, Dynamic polarization of graphene by external correlated charges, Physical Review B 86, 125442-1-17 (2012).
цитира се у:
1. Rastko Anicic, Effects of the Dielectric Environment on the Electrical Properties of Graphene, Master thesis, Waterloo, Ontario, Canada, 2013.
2. Wang G.Q., Wang Y., Stopping power and Self-energy for a fast proton in Carbon Nanotubes, Applied Mechanics and Materials, Volume: 488-489,Pages: 22-25, 2014, DOI: 10.4028/www.scientific.net/AMM.488-489.22
3. G. Labaigt, A. Dubois and J. P. Hansen, Electron capture imaging of two-dimensional materials, Physical Review B 89 (2014) 245438
4. S. Segui and J. L. Gervasoni, Interference effects in the plasmon fields excited by a diatomic molecule, Nuclear Instruments and Methods in Physics Research B, Volume 354, 1 July 2015, Pages 321-323, (2015).
5. Shi, Xihang, Xiao Lin, Fei Gao, Hongyi Xu, Zhaoju Yang, and Baile Zhang. "Caustic

graphene plasmons with Kelvin angle." PHYSICAL REVIEW B 92, 081404(R) (2015).
6. Зоран Л. Мишковић, "Интеракција графена са наелектрисаним честицама", Зборник радова са XII Конгреса физичара Србије, с. 86-87, Врњачка Бања, 2013.
7. R. Anicic and Z. L. Miškovic, Effects of the structure of charged impurities and dielectric environment on conductivity of graphene, PHYSICAL REVIEW B 88, 205412 (2013).
8. R. Anicic and Z. L. Miškovic, Potential fluctuations in graphene due to correlated charged impurities in substrate, Applied Physics Letters 103 (17), 171606, 2013.
9. Lyon, Keenan, Ying-Ying Zhang, Z. L. Miškovic, Yuan-Hong Song, and You-Nian Wang. "Interaction of fast charges with a rough metal surface." Surface Science 639, 20489, pp. 32-38 (2015).
10. Z. L. Miškovic, Dynamic polarization of carbon nano-structures by charged particles, Proceedings of the XXI International Conference on Ion-Surface Interactions, ISI 2013, Volume 1, p. 357-362, Yaroslavl, Russia, 22-26 August 2013.
11. Miskovic, Zoran L., Dynamic Polarization of Carbon Nano-Structures by Charged Particles Book Series: AIP Conference Proceedings, Volume: 1590, Pages: 129-133 Published: 2014.
12. Sharma, P. and Miškovic, Z. L.,Ionic screening of charged impurities in electrolytically gated graphene: A partially linearized Poisson-Boltzmann model, The Journal of Chemical Physics, Volume 143, Issue 13, id.134118, (2015).
13. Zhang, Mingjia, Jiaojiao Yu, Jianjiang He, and Changshui Huang. "Adjusting Fermi level of graphene by controlling the linker length of dipolar molecules." Langmuir, 2019, 35 (16), pp 5448–5454.
14. Vito Despoja, Ivan Radović, Lazar Karbunar, Ana Kalinić, and Zoran L. Mišković, Wake potential in graphene-insulator-graphene composite systems, PHYSICAL REVIEW B 100, 035443 (2019).
15. Bai, Xiang-Jia, Ying-Ying Zhang, Zoran L. Mišković, Ivan Radović, Chun-Zhi Li, and Yuan-Hong Song. "The Effects of Pseudomagnetic Fields on Plasmon–Phonon Hybridization in Supported Graphene Probed by a Moving Charged Particle." Plasmonics 16, no. 4 (2021): 1089-1098.
16. Đorđević, T., 2021. Teorijski modeli plazmona u grafenu pri interakciji sa naelektrisanim česticama (Doctoral dissertation, Univerzitet u Beogradu-Fizički fakultet).
17. Kalinić, Ana, Ivan Radović, Lazar Karbunar, Vito Despoja, and Zoran L. Mišković. "Wake effect in interactions of ions with graphene-sapphire-graphene composite system." Physica E: Low-dimensional Systems and Nanostructures 126 (2021): 114447.
18. Kalinić, Ana, Vito Despoja, Ivan Radović, Lazar Karbunar, and Zoran L. Mišković. "Stopping and image forces acting on a charged particle moving near a graphene-Al2O3-graphene heterostructure." Physical Review B 106, no. 11 (2022): 115430.

I. Radovic, V. Borka Jovanovic, D. Borka and Z. L. Miškovic, Interactions of slowly moving charges with graphene: the role of substrate phonons, Nuclear Instruments and Methods in Physics Research B 279, 165–168, (2012).
цитира се у:
1. Jian Yang-Yang, LI Chun-Zhi, Effects of substrate on interactions of ion beams with two-dimensional layered electron gasses, Journal of Atomic and Molecular Physics 31 (2014) 833.
2. C.-Z. Li, Y.-Y. Jian and Y.-Z. He, Effects of substrate property on induced electric field of layered two-dimensional electron gases, High Power Laser and Particle Beams 26 (2014) 124005
3. Z. L. Miškovic, Dynamic polarization of carbon nano-structures by charged particles,

Proceedings of the XXI International Conference on Ion-Surface Interactions, ISI 2013, Volume 1, p. 357-362, Yaroslavl, Russia, 22-26 August 2013.
4. Miskovic, Zoran L., Dynamic Polarization of Carbon Nano-Structures by Charged Particles Book Series: AIP Conference Proceedings Volume: 1590 Pages: 129-133 Published: 2014.
5. Antonio Politano (2016): Spectroscopic Investigations of Phonons in Epitaxial Graphene, Critical Reviews in Solid State and Materials Sciences, DOI: 10.1080/10408436.2016.1138852
6. Moradi Afshin, Energy density and energy flow of plasmonic waves in bilayer graphene, Optics Communications 394:135-138, July 2017.
7. Vito Despoja, Ivan Radović, Lazar Karbunar, Ana Kalinić, and Zoran L. Mišković, Wake potential in graphene-insulator-graphene composite systems, PHYSICAL REVIEW B 100, 035443 (2019).
8. Bai, Xiang-Jia, Ying-Ying Zhang, Zoran L. Mišković, Ivan Radović, Chun-Zhi Li, and Yuan-Hong Song. "The Effects of Pseudomagnetic Fields on Plasmon–Phonon Hybridization in Supported Graphene Probed by a Moving Charged Particle." Plasmonics 16, no. 4 (2021): 1089-1098.
9. Kalinić, Ana, Ivan Radović, Lazar Karbunar, Vito Despoja, and Zoran L. Mišković. "Wake effect in interactions of ions with graphene-sapphire-graphene composite system." Physica E: Low-dimensional Systems and Nanostructures 126 (2021): 114447.
10. Preciado Rivas, Maria Rosa, Milad Moshayedi, and Zoran L. Mišković. "On the role of the energy loss function in the image force on a charge moving over supported graphene." Journal of Applied Physics 130, no. 17 (2021): 173103.
11. Kalinić, A., Despoja, V., Radović, I., Karbunar, L. and Mišković, Z.L., 2022. Stopping and image forces acting on a charged particle moving near a graphene-Al2O3-graphene heterostructure. Physical Review B, 106(11), p.115430.

D. Borka, V. Borka Jovanovic, and D. Uroševic, Spectra of HB 21 supernova remnant: Evidence of the spectum flattening at the low frequencies, Rev. Mex. AA 48, 53-60 (2012).
цитира се у:
1. V. Borka Jovanovic, “Estimation of brightnesses and spectral indices of radio loops”, Publ. Astron. Obs. Belgrade 91, 121-127 (2012).

V. Borka Jovanovic, D. Borka, Mass formulas for single-charm tetraquarks with Fermi-Breit hyperfine interaction, Rom. Journ. Phys., Vol. 57, Nos. 5-6, (2012).
цитира се у:
1. Sinisa R. Ignjatovic and Vesna Borka Jovanovic, ON SOME MODELS OF THE EXOTIC HADRON STATES, Facta Universitatis: Series: Physics, Chemistry and Technology Vol. 12, No 2, 75-82, 2014.
2. Zhen-Yang Wang, Ke-Wei Wei, Jing-Juan Qi, Xin-Heng Guo, Spectra of charmed and bottom baryons with hyperfine interaction, (2017).

Radovi 2013.

I. Radovic, D. Borka and Z. L. Miškovic, Wake effect in interactions of dipolar molecules with doped graphene, Physics Letters A 377 (2013) 2614–2620.

цитира се у:
1. F. Tolea, M. Tolea, Hearing shapes of few electrons quantum drums: A configuration–interaction study, Physica B 458 (2015) 85–91.
2. Ya Zhang, Wei Jiang, Lin Yi, Stopping power of two-dimensional spin quantum electron gases, Nuclear Instruments and Methods in Physics Research B 349 (2015) 72–78.
3. Vito Despoja, Ivan Radović, Lazar Karbunar, Ana Kalinić, and Zoran L. Mišković, Wake potential in graphene-insulator-graphene composite systems, PHYSICAL REVIEW B 100, 035443 (2019).
4. Đorđević, T., 2021. Teorijski modeli plazmona u grafenu pri interakciji sa naelektrisanim česticama (Doctoral dissertation, Univerzitet u Beogradu-Fizički fakultet).
5. Kalinić, Ana, Ivan Radović, Lazar Karbunar, Vito Despoja, and Zoran L. Mišković. "Wake effect in interactions of ions with graphene-sapphire-graphene composite system." Physica E: Low-dimensional Systems and Nanostructures 126 (2021): 114447.
6. Kalinić, Ana, Vito Despoja, Ivan Radović, Lazar Karbunar, and Zoran L. Mišković. "Stopping and image forces acting on a charged particle moving near a graphene-Al2O3-graphene heterostructure." Physical Review B 106, no. 11 (2022): 115430.

D. Borka, P. Jovanovic, V. Borka Jovanovic, A. F. Zakharov, Constraining the range of Yukawa gravity interaction from S2 star orbits, J. Cosmol. Astropart. P. 11, 050-1-16 (2013).
цитира се у:
1. В. И. Докучаев, Ю. Н. Ерошенко, Физическая лаборатория в центре Галактики, Успехи физических наук 185, 829-843 (2015).
2. V. I. Dokuchaev, Yu. N. Eroshenko, Weighing of the Dark Matter at the Center of the Galaxy, JETP Letters 101, 777 (2015).
3. V. I. Dokuchaeva, Yu.N. Eroshenko, K.S. Klimkov, Precession of fast S0 stars in the vicinity of supermassive black hole in the Galactic Center, Physics Procedia 74 (2015) 292 – 296
4. S. Habib Mazharimousavi, M. Halilsoy, Cloud of strings as source in $2+1$-dimensional $f(R) = R^n$ gravity, arXiv:1511.00603 [gr-qc] (2015).
5. A. F. Zakharov, Are signatures of anti-de-Sitter black hole at the Galactic Center?, arXiv: (2014).
6. A. F. Zakharov, Constraints on a charge in the Reissner--Nordström metric for the black hole at the Galactic Center, PHYSICAL REVIEW D 90, 062007 (2014).
7. A. F. Zakharov, The Galactic Center: possible interpretations of observational data, IAU General Assembly, Meeting 29, p. 2254530 (2015)
8. A. F. Zakharov, Possible Alternatives to the Supermassive Black Hole at the Galactic Center, Journal of Astrophysics and Astronomy, pp 1-15 (2015). DOI: 10.1007/s12036-015-9345-x
9. Zakharov, A. F. "Is there an ordinary supermassive black hole at the Galactic Center?." Gravitation, Astrophysics, and Cosmology-Proceedings of the Twlfth Asia-Pacific International Conference. Edited by HSU JONG-PING ET AL. Published by World Scientific Publishing Co. Pte. Ltd., 2016. ISBN# 9789814759816, pp. 176-182. 2016.
10. Zakharov, Alexander F. "The Galactic Center: possible interpretations of observational data." IAU General Assembly 22 (2015): 54530.
11. P. Jovanovic, CENTRAL SUPERMASSIVE BLACK HOLE OF THE MILKY WAY, Publ. AOB No. 94 , 161 – 169, (2016).
12. Järv, Laur. "Effective Gravitational “Constant” in Scalar-(Curvature) Tensor and Scalar-Torsion Gravities." Universe 3, no. 2 (2017): 37.

13. Ерошенко, Юрий Николаевич. "Нелинейные гравитационно-связанные структуры в ранней Вселенной." Докторска дисертација, Москва – 2016
14. A. Hees et al., “Testing General Relativity with stellar orbits around the supermassive black hole in our Galactic center”, Phys. Rev. Lett. (2017), in press., ArXiv:1705.07902v1.
15. A. Hees et al.,Testing the gravitational theory with short-period stars around our Galactic Center, proceedings of the 52nd Rencontres de Moriond, Gravitation Session, arXiv:1705.10792v1, 2017.
16. Devin S. Chu, Tuan Do, Aurelien Hees, Andrea Ghez, Smadar Naoz, Gunther Witzel, Shoko Sakai, Samantha Chappell, Abhimat K. Gautam, Jessica R. Lu, Keith Matthews, INVESTIGATING THE BINARITY OF S0-2: IMPLICATIONS FOR ITS ORIGINS AND ROBUSTNESS AS A PROBE OF THE LAWS OF GRAVITY AROUND A SUPERMASSIVE BLACK HOLE, ArXiv 1709.04890, dec 2017.
17. Banerjee, Srimanta; Shankar, Swapnil; Singh, Tejinder P., Constraints on modified gravity models from white dwarfs, JCAP 10 (2017) 004.
18. Kirillov, Alexander A., and Elena P. Savelova. "On Recent Developments in Theoretical and Experimental General Relativity, Astrophysics, and Relativistic Field Theories (In 4Volumes), The Fourteenth Marcel Grossmann Meeting, 2017.
19. Alexander Zakharov, The black hole at the Galactic Center: observations and models in a nutshell, IOP Conf. Series: Journal of Physics: Conf. Series 1234567890 934 (2017) 012037.
20. Anna D'Addio, MSc Thesis "Test di teorie della gravitazione tramite Sgr A* (Testing theories of gravity by Sgr A*)", Naples, Italy, December 2017.
21. Breno L. Giacchini, Ilya L. Shapiro, Light bending in F [g(box)R] extended, gravity theories, Physics Letters B 780 (2018) 54–60.
22. I. De Martino, R. Lazkoz, M. De Laurentis, Analysis of the Yukawa gravitational potential in f(R) gravity I: semiclassical periastron advance, Physical Review D 97(10), 104067 (2018).
23. M. De Laurentis, I. De Martino, R. Lazkoz, Analysis of the Yukawa gravitational potential in f (R) gravity II: relativistic periastron advance, Physical Review D, 97(10),104068 (2018).
24. A. F. Zakharov, The black hole at the Galactic Center: observations and models, International Journal of Modern Physics D 27(6),1841009 (2018).
25. Alexander F. Zakharov, Constraints on tidal charge of the supermassive black hole at the Galactic Center with trajectories of bright stars, Eur. Phys. J. C (2018) 78:689.
26. Rong-Gen Cai, Tong-Bo Liu, and Shao-Jiang Wang, The GWs from the S-stars revolving around the SMBH at Sgr A*, arXiv:1808.03164 [astro-ph.GA] (Avgust 2018)
27. Alexander Zakharov, Constraints on alternative theories of gravity with observations of the Galactic Center, arXiv:1808.05063 [astro-ph.GA] (Avgust 2018).
28. A. D’ADDIO, S. CAPOZZIELLO, P. JOVANOVIĆ and V. BORKA JOVANOVIĆ, TESTING EXTENDED THEORY OF GRAVITY BY Sgr A*,
Publ. Astron. Obs. Belgrade No. 98 (2018), 109 – 114.
29. B.L. Giacchini, I.L. Shapiro, Physics Letters B 780 (2018) 54–60
30. Mariafelicia De Laurentis, Ivan De Martino and Ruth Lazkoz, Modified gravity revealed along geodesic tracks, Eur. Phys. J. C 2018. 78:916.
31. Z. Stuchlik and Jan Schee, Shadow of the regular Bardeen black holes and comparison of the motion of photons and neutrinos,
January 2019 European Physical Journal C 79(1), 79:44
DOI: 10.1140/epjc/s10052-019-6543-8
32. S. Habib Mazharimousavi and M. Halilsoy, Einstein-non-linear Maxwell-Yukawa black hole, ArXiv1901.05449v1 (2019).

33. A. F. Zakharov, Tests of gravity theories with Galactic Center observations,
Int. J. Mod. Phys. D 28, 1941003-1-17 (2019).
34. Amorim, António, Michael Bauböck, Myriam Benisty, Jean-Philippe Berger, Yann Clénet, Vincent Coude du Foresto, Tim de Zeeuw et al. "Scalar field effects on the orbit of S2 star." , *Monthly Notices of the Royal Astronomical Society* 489, no. 4 (2019): 4606-4621.
35. Zakharov, Alexander. "Gravity theory tests with observations of stars near the black hole at the galactic center." In *Journal of Physics: Conference Series*, vol. 1390, no. 1, p. 012089. IOP Publishing, 2019.
36. M. Kord Zangeneh, H. Moradpour, N. Sadeghnezhad, *A note on cosmological features of modified Newtonian potentials*, Mod. Phys. Lett. A 34, 1950168 (2019).
37. Dokuchaev, Vyacheslav I., and Natalia O. Nazarova. "Silhouettes of invisible black holes." arXiv preprint arXiv:1911.07695 (2019).
38. Zakharov, Alexander F. "CONSTRAINTS ON GRAVITON MASS AND A TIDAL CHARGE WITH OBSERVATIONS OF THE GALACTIC CENTER." Proceedings of the 54 th RENCONTRES DE MORIOND Gravitation 2019, Editors: Étienne Augé Jacques Dumarchez and Jean Trân Thanh Vân: 85-89. (2019)
39. Eli Cavan, Ioannis Haranas, Ioannis Gkigkitzis, Kristin Cobbett, Dynamics and stability of the two body problem with Yukawa correction, February 2020 Astrophysics and Space Science 365(2). DOI: 10.1007/s10509-020-3749-z
40. A. Hees, T. Do, B. M. Roberts, A. M. Ghez, S. Nishiyama, R. O. Bentley, A. K. Gautam, S. Jia, T. Kara, J. R. Lu, H. Saida, S. Sakai, M. Takahashi, and Y. Takamori, Search for a Variation of the Fine Structure Constant around the Supermassive Black Hole in Our Galactic Center, Phys. Rev. Lett. 124, 081101 – Published 26 February 2020
41. Capozziello, Salvatore, Maurizio Capriolo, and Loredana Caso. Weak field limit and gravitational waves in f (T, B) teleparallel gravity. The European Physical Journal C 80, no. 2 (2020): 1-11.
42. Conde Ocazionez Carlos Alfonso. "Gravitational radiation from the inspiral of compact binaries based on a Yukawa-type addition to the Newtonian potential." Master Thesis, Universidad Nacional de Colombia (2020).
43. Kalita, Sanjeev. "The Galactic Center Black Hole, Sgr A*, as a Probe of New Gravitational Physics with the Scalaron Fifth Force." The Astrophysical Journal 893, no. 1 (2020): 31.
44. R. I. Gainutdinov, “PPN motion of the S-stars around Sgr A”- arXiv preprint arXiv:2002.12598, 2020; Astrophysics volume 63, pages 470–481 (2020)
45. Докучаев, Вячеслав Иванович, and Наталья Олеговна Назарова. "Силуэты невидимых чёрных дыр." *Успехи физических наук* 190, no. 6 (2020): 627-647.
46. Dokuchaev, V. I., and N. O. Nazarova. "Visible shapes of black holes M87* and SgrA." *arXiv preprint arXiv:2007.14121* (2020).
47. Zakharov, Alexander F. "Tests of Gravity Theories with Black Hole Observations." Publ. Astron. Obs. Belgrade No. 100 (2021), 43 - 53.
48. Zakharov, A. F. "Tests of Gravitational Theories with Observations of the Galactic Center and the Center of the Galaxy M87." Physics of Particles and Nuclei 51, no. 4 (2020): 750-756.
49. Mendonça, José Tito. "Schrödinger–Newton Model with a Background." Symmetry 13, no. 6 (2021): 1007.
50. De Martino, Ivan, Riccardo della Monica, and Mariafelicia De Laurentis. "f (R) gravity after the detection of the orbital precession of the S2 star around the Galactic Center massive black hole." Physical Review D 104, no. 10 (2021): L101502.
51. Kalita, Sanjeev. "Scalaron Gravity near Sagittarius A*: Investigation of Spin of the Black Hole and Observing Requirements." The Astrophysical Journal 909, no. 2 (2021): 189.

52. Landry, Alexandre, and Fayçal Hammad. "Landau levels in a gravitational field: The Schwarzschild spacetime case." Universe 7, no. 5 (2021): 144.
53. Zakharov, A.F., 2022. Testing the Galactic Centre potential with S-stars. *Monthly Notices of the Royal Astronomical Society: Letters*, *513*(1), pp.L6-L9.
54. D'Addio, Anna. "S-star dynamics through a Yukawa–like gravitational potential." Physics of the Dark Universe 33 (2021): 100871.
55. Benisty, David, and Anne-Christine Davis. "Dark energy interactions near the Galactic Center." Physical Review D 105, no. 2 (2022): 024052.
56. Garattini, Remo. "Yukawa–Casimir wormholes." *The European Physical Journal C* 81, no. 9 (2021): 1-14.
57. Zakharov, Alexander F. "CONSTRAINTS ON GRAVITY THEORIES WITH OBSERVATIONS OF GALACTIC CENTER AND THE CENTER OF M87 GALAXY." In PARTICLE PHYSICS at the Year of 150th Anniversary of the Mendeleev's Periodic Table of Chemical Elements: Proceedings of the Nineteenth Lomonosov Conference on Elementary Particle Physics, pp. 406-412. 2021.
58. Lalremruati, P. C., and Sanjeev Kalita. "Is It Possible to See the Breaking Point of General Relativity near the Galactic Center Black Hole? Consideration of Scalaron and Higher-dimensional Gravity." The Astrophysical Journal 925, no. 2 (2022): 126.
59. Zwick, L., Soyuer, D. and Bucko, J., 2022. Prospects for a local detection of dark matter with future missions to Uranus and Neptune. *arXiv preprint arXiv:2204.07242*.
60. Benisty, D., 2022. Testing modified gravity via Yukawa potential in two body problem: Analytical solution and observational constraints. *Physical Review D*, *106*(4), p.043001.
61. Alexeyev, S. and Prokopov, V., 2022. Extended Gravity Constraints at Different Scales. *Universe*, *8*(5), p.283.
62. Dong, Yiming, Lijing Shao, Zexin Hu, Xueli Miao, and Ziming Wang. "Prospects for constraining the Yukawa gravity with pulsars around Sagittarius A." Journal of Cosmology and Astroparticle Physics 2022, no. 11 (2022): 051.
63. Zakharov, A. F. "Orbits of Bright Stars Near the Galactic Center as a Tool to Test Gravity Theories." *Moscow University Physics Bulletin* 77, no. 2 (2022): 341-348.
64. Jawad, Abdul, M. Sulehri, and Shamaila Rani. "Physical analysis of Yukawa–Casimir traversable wormhole solutions in non-minimally coupled f (T) gravity." The European Physical Journal Plus 137, no. 11 (2022): 1-18.

D. Borka, P. Jovanovic, V. Borka Jovanovic, A. F. Zakharov, Orbital precession in Rn gravity: simulations vs observations (the S2 star orbit case), Sveske fizickih nauka (SFIN) year XXVI Series A: Conferences No. A1, 61-66 (2013)
цитира се у:
1. A. F. Zakharov, Constraints on a charge in the Reissner--Nordström metric for the black hole at the Galactic Center, PHYSICAL REVIEW D 90, 062007 (2014).

Radovi 2014.

S. Capozziello, D. Borka, P. Jovanovic, V. Borka Jovanovic, Constraining extended gravity models by S2 star ornovabits around the Galactic Centre, Phys. Rev. D 90, 044052-1-8 (2014)
цитира се у:
1. M. Villani, Constraints on ADM tetrad gravity parameter space from S2 star in the center of the Galaxy and from the Solar System, arXiv:1502.06801 [gr-qc (2015)]
2. Lorenzo Iorio, Gravitational anomalies in the solar system?, International Journal of

Modern Physics D, Vol. 24, No. 6, id. 1530015, 2015.
3. P. Jovanovic, CENTRAL SUPERMASSIVE BLACK HOLE OF THE MILKY WAY, Publ. AOB No. 94 , 161 – 169, (2016).
4. A. Hees et al., “Testing General Relativity with stellar orbits around the supermassive black hole in our Galactic center”, Phys. Rev. Lett. (2017), in press., ArXiv:1705.07902v1.
5. Клименко, С. В., И. Н. Никитин, Л. Д. Никитина, and С. А. Тюльбашев. "Тахионная модель тёмной материи." In ТРУДЫ МЕЖДУНАРОДНОЙ НАУЧНОЙ КОНФЕРЕНЦИИ CPT1617, pp. 90-106. 2017.
6. Calmet, Xavier; Capozziello, Salvatore; Pryer, Daniel, Gravitational Effective Action at Second Order in Curvature and Gravitational Waves, European Physical Journal C 77(9),589 (2017).
7. Beltran Jimenez, Jose; Heisenberg, Lavinia; Olmo, Gonzalo J.; et al., On gravitational waves in Born-Infeld inspired non-singular cosmologies, JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 10 Article Number: 029 Published: OCT 2017
8. Anna D'Addio, MSc Thesis "Test di teorie della gravitazione tramite Sgr A* (Testing theories of gravity by Sgr A*)", Naples, Italy, December 2017.
9. Mariafelicia De Laurentis, Ziri Younsi, Oliver Porth, Yosuke Mizuno, and Luciano Rezzolla, Test-particle dynamics in general spherically symmetric black hole spacetimes, ArXiv 1712.00265, december 2017.
10. Breno L. Giacchini, Ilya L. Shapiro, Light bending in F [g(box)R] extended, gravity theories, Physics Letters B 780 (2018) 54–60.
11. Rong-Gen Cai, Tong-Bo Liu, and Shao-Jiang Wang, The GWs from the S-stars revolving around the SMBH at Sgr A*, arXiv:1808.03164 [astro-ph.GA] (Avgust 2018).
12. A. D’ADDIO, S. CAPOZZIELLO, P. JOVANOVIĆ and V. BORKA JOVANOVIĆ, TESTING EXTENDED THEORY OF GRAVITY BY Sgr A*, Publ. Astron. Obs. Belgrade No. 98 (2018), 109 – 114.
13. B.L. Giacchini, I.L. Shapiro, Physics Letters B 780 (2018) 54–60
14. Tiberiu Harko and Francisco S. N. Lobo, Extensions of f(R) Gravity: Curvature-Matter Couplings and Hybrid Metric-Palatini Theory, December 2018, Book, DOI: 10.1017/9781108645683, ISBN: 9781108428743
15. Mariafelicia De Laurentis, Ivan De Martino and Ruth Lazkoz, Modified gravity revealed along geodesic tracks, Eur. Phys. J. C 2018. 78:916.
16. Chen, Ya-Fen, Cheng-Gang Qin, Yu-Jie Tan, and Cheng-Gang Shao. "Test of higher-derivative gravitational relativistic models with the gravitational inverse-square law experiments." Physical Review D 99, no. 10 (2019): 104008.
17. Amorim, António, Michael Bauböck, Myriam Benisty, Jean-Philippe Berger, Yann Clénet, Vincent Coude du Foresto, Tim de Zeeuw et al. "Scalar field effects on the orbit of S2 star." , *Monthly Notices of the Royal Astronomical Society* 489, no. 4 (2019): 4606-4621.
18. Kalita, Sanjeev. "The Galactic Center Black Hole, Sgr A*, as a Probe of New Gravitational Physics with the Scalaron Fifth Force." The Astrophysical Journal 893, no. 1 (2020): 31.
19. R. I. Gainutdinov, “PPN motion of the S-stars around Sgr A”- arXiv preprint arXiv:2002.12598, 2020; Astrophysics volume 63, pages 470–481 (2020)
20. Lalremruati, P. C., and Sanjeev Kalita. "Periastron shift of compact stellar orbits from general relativistic and tidal distortion effects near Sgr A." Monthly Notices of the Royal Astronomical Society 502, no. 3 (2021): 3761-3768.
21. Bousder, M., Z. Sakhi, and M. Bennai. "A new unified model of dark matter and dark energy in 5-dimensional $% f (R,\phi) $ gravity." *arXiv preprint arXiv:2012.12358* (2020).
22. Buoninfante, Luca, and Breno L. Giacchini. "Light bending by a slowly rotating source in quadratic theories of gravity." *Physical Review D* 102, no. 2 (2020): 024020.

23. De Martino, Ivan, Riccardo della Monica, and Mariafelicia De Laurentis. "f (R) gravity after the detection of the orbital precession of the S2 star around the Galactic Center massive black hole." Physical Review D 104, no. 10 (2021): L101502.
24. Benisty, David, and Anne-Christine Davis. "Dark energy interactions near the Galactic Center." Physical Review D 105, no. 2 (2022): 024052.
25. Baker, Tessa, Gianluca Calcagni, Anson Chen, Matteo Fasiello, Lucas Lombriser, Katarina Martinovic, Mauro Pieroni et al. "Measuring the propagation speed of gravitational waves with LISA." Journal of Cosmology and Astroparticle Physics 2022, no. 08 (2022): 031.
26. Kalita, Sanjeev. "Scalaron Gravity near Sagittarius A*: Investigation of Spin of the Black Hole and Observing Requirements." The Astrophysical Journal 909, no. 2 (2021): 189.
27. Lalremruati, P. C., and Sanjeev Kalita. "Is It Possible to See the Breaking Point of General Relativity near the Galactic Center Black Hole? Consideration of Scalaron and Higher-dimensional Gravity." The Astrophysical Journal 925, no. 2 (2022): 126.
28. Capolupo, A., G. Lambiase, and A. Tedesco. "Precession shift in curvature based extended theories of gravity and quintessence fields." The European Physical Journal C 82, no. 4 (2022): 1-12.
29. Alexeyev, S. and Prokopov, V., 2022. Extended Gravity Constraints at Different Scales. *Universe*, *8*(5), p.283.
30. de Laurentis, Mariafelicia, Ivan De Martino, and Riccardo Della Monica. "The Galactic Center as a laboratory for theories of gravity and dark matter." *arXiv preprint arXiv:2211.07008* (2022).
31. Lalremruati, P. C., and Sanjeev Kalita. "Effect of Dark Matter Distribution on Scalaron Gravity near the Galactic Center Black Hole and Its Prospects." *The Astrophysical Journal* 941, no. 2 (2022): 183.
32. Bajardi, Francesco, and Salvatore Capozziello. *Noether Symmetries in Theories of Gravity: With Applications to Astrophysics and Cosmology*. Cambridge University Press, 2022.

P. Jovanovic, V. Borka Jovanovic, D. Borka, T. Bogdanovic, Composite profile of the Fe Kα spectral line emitted from a binary system of supermassive black holes, Advances in Space Research 54 (2014) 1448–1457.
цитира се у:
1. Komossa, S. and Zensus J. A., "Compact object mergers: Observations of supermassive binary black holes and stellar tidal disruption events.", Proceedings IAU Symposium No. 312, 2015, pages: 12.
2. P. Jovanovic, L. C. Popovic, Supermassive binary black holes - possible observational effects in the X-ray emission, Facta Universitatis: Series: Physics, Chemistry and Technology Vol. 12, No 2, 83-90, 2014.
3. Bogdanovic, Tamara. "Supermassive Black Hole Binaries: The Search Continues." InGravitational Wave Astrophysics, pp. 103-119. Springer International Publishing, 2015.
4. P. Jovanovic, CENTRAL SUPERMASSIVE BLACK HOLE OF THE MILKY WAY, Publ. AOB No. 94 , 161 – 169, (2016).
5. F. De Paolis, M. Giordano, G. Ingrosso, L. Manni, A. Nucita, F. Strafella, *The scales of gravitational lensing*, Universe 2, 6-1-22 (2016)
6. L. Č. POPOVIĆ, D. ILIĆ, E. BON, N. BON, P. JOVANOVIĆ et al., SPECTROSCOPY AND SPECTROPOLARIMETRY OF AGN: FROM OBSERVATIONS TO MODELLING, Publ. Astron. Obs. Belgrade No. 98 (2018), 49 – 58
7. Bogdanović, T., Miller, M.C. and Blecha, L., 2022. Electromagnetic counterparts to

massive black-hole mergers. Living Reviews in Relativity, 25(1), pp.1-115.
8. Engel, K., Lewis, T., Muzio, M.S., Venters, T.M., Ahlers, M., Albert, A., Allen, A., Solares, H.A.A., Anandagoda, S., Andersen, T. and Antier, S., 2022. Advancing the Landscape of Multimessenger Science in the Next Decade. arXiv preprint arXiv:2203.10074.

A. F. Zakharov, D. Borka, V. Borka Jovanovic, P. Jovanovic, Constraints on Rn gravity from precession of orbits of S2-like stars: case of bulk distribution of mass, Adv. Space Res. 54, 1108-1112 (2014).

цитира се у:

1. В. И. Докучаев, Ю. Н. Ерошенко, Физическая лаборатория в центре Галактики, Успехи физических наук 185, 829-843 (2015).
2. A. F. Zakharov, Constraints on a charge in the Reissner--Nordström metric for the black hole at the Galactic Center, PHYSICAL REVIEW D 90, 062007 (2014).
3. A. F. Zakharov, The Galactic Center: possible interpretations of observational data, IAU General Assembly, Meeting 29, p. 2254530 (2015).
4. A. F. Zakharov, Possible Alternatives to the Supermassive Black Hole at the Galactic Center, Journal of Astrophysics and Astronomy, pp 1-15 (2015). DOI: 10.1007/s12036-015-9345-x
5. De Paolis, Francesco, Mosè Giordano, Gabriele Ingrosso, Luigi Manni, Achille Nucita, and Francesco Strafella. "The Scales of Gravitational Lensing." Universe 2, no. 1 (2016): 6.
6. Zakharov, Alexander F. "Gravitational lensing and polarization in astrophysics." Journal of Physics: Conference Series. Vol. 678. No. 1. IOP Publishing, 2016.
7. P. Jovanovic, CENTRAL SUPERMASSIVE BLACK HOLE OF THE MILKY WAY, Publ. AOB No. 94 , 161 – 169, (2016).
8. A. Hees et al., “Testing General Relativity with stellar orbits around the supermassive black hole in our Galactic center”, Phys. Rev. Lett. (2017), in press., ArXiv:1705.07902v1.
9. Hafiza Rizwana Kausar, Behaviour of charged collapsing fluids after hydrostatic equilibrium in Rn gravity, Eur. Phys. J. C (2017) 77:374
10. Kirillov, Alexander A., and Elena P. Savelova. "On Recent Developments in Theoretical and Experimental General Relativity, Astrophysics, and Relativistic Field Theories (In 4 Volumes), The Fourteenth Marcel Grossmann Meeting, 2017.
11. Alexander Zakharov, The black hole at the Galactic Center: observations and models in a nutshell, IOP Conf. Series: Journal of Physics: Conf. Series 1234567890, 934 (2017) 012037.
12. Anna D'Addio, MSc Thesis "Test di teorie della gravitazione tramite Sgr A* (Testing theories of gravity by Sgr A*)", Naples, Italy, December 2017.
13. Докучаев, Вячеслав Иванович, and Наталья Олеговна Назарова. "Гравитационное линзирование звезды вращающейся черной дырой." Письма в Журнал экспериментальной и теоретической физики 106, no. 10 (2017): 609-614.
14. A. F. Zakharov, The black hole at the Galactic Center: observations and models, International Journal of Modern Physics D 27(6),1841009 (2018).
15. Alexander F. Zakharov, Constraints on tidal charge of the supermassive black hole at the Galactic Center with trajectories of bright stars, Eur. Phys. J. C (2018) 78:689.
16. Alexander Zakharov, Constraints on alternative theories of gravity with observations of the Galactic Center, arXiv:1808.05063 [astro-ph.GA] (Avgust 2018).
17. V. I. Dokuchaev and N. O. Nazarova, Gravitational Lensing of a star by a rotating black hole, arXiv:1802.00817 [astro-ph.GA] (February 2018).
18. A. D’ADDIO, S. CAPOZZIELLO, P. JOVANOVIĆ and V. BORKA JOVANOVIĆ,TESTING EXTENDED THEORY OF GRAVITY BY Sgr A*, Publ. Astron. Obs. Belgrade No. 98 (2018), 109 – 114.
19. Amorim, António, Michael Bauböck, Myriam Benisty, Jean-Philippe Berger, Yann

Clénet, Vincent Coude du Foresto, Tim de Zeeuw et al. "Scalar field effects on the orbit of S2 star.", *Monthly Notices of the Royal Astronomical Society* 489, no. 4 (2019): 4606-4621.
20. Dokuchaev, Vyacheslav I., and Natalia O. Nazarova. "Silhouettes of invisible black holes." arXiv preprint arXiv:1911.07695 (2019): Докучаев, Вячеслав Иванович, and Наталья Олеговна Назарова. "Силуэты невидимых чёрных дыр." *Успехи физических наук* 190, no. 6 (2020): 627-647.
21. Zangeneh, M. Kord, H. Moradpour, and N. Sadeghnezhad. "A note on cosmological features of modified Newtonian potentials." Modern Physics Letters A (2019): 1950168.
22. Gainutdinov, R. I. "PPN Motion of S-Stars Around Sgr A." Astrophysics 63, no. 4 (2020): 470-481.
23. Dokuchaev, Vyacheslav I., and Natalia O. Nazarova. "Visible shapes of black holes M87* and SgrA." Universe 6, no. 9 (2020): 154.
24. Kalita, Sanjeev. "The Galactic Center Black Hole, Sgr A*, as a Probe of New Gravitational Physics with the Scalaron Fifth Force." The Astrophysical Journal 893, no. 1 (2020): 31.
25. Gogoi, D.J. and Dev Goswami, U., 2022. Gravitational waves in $$\mathbf {f (R)} $$ f (R) gravity power law model. *Indian Journal of Physics*, *96*(2), pp.637-646.
26. Lalremruati, P. C., and Sanjeev Kalita. "Periastron shift of compact stellar orbits from general relativistic and tidal distortion effects near Sgr A." Monthly Notices of the Royal Astronomical Society 502, no. 3 (2021): 3761-3768.
27. Kalita, Sanjeev. "Scalaron Gravity near Sagittarius A*: Investigation of Spin of the Black Hole and Observing Requirements." The Astrophysical Journal 909, no. 2 (2021): 189.
28. Lalremruati, P. C., and Sanjeev Kalita. "Is It Possible to See the Breaking Point of General Relativity near the Galactic Center Black Hole? Consideration of Scalaron and Higher-dimensional Gravity." The Astrophysical Journal 925, no. 2 (2022): 126.
29. de Laurentis, Mariafelicia, Ivan De Martino, and Riccardo Della Monica. "The Galactic Center as a laboratory for theories of gravity and dark matter." *arXiv preprint arXiv:2211.07008* (2022).

I. Radović, D. Borka and Z. L. Mišković, Theoretical modeling of experimental HREEL spectra for supported graphene, Physics Letters A 378 (2014) 2206–2210.
цитира се у:
1. Đorđević, T., 2021. Teorijski modeli plazmona u grafenu pri interakciji sa naelektrisanim česticama (Doctoral dissertation, Univerzitet u Beogradu-Fizički fakultet).

Radovi 2015.

L. Karbunar, D. Borka, I. Radovic, Z. L. Miškovic, Image potential in the interaction of fast ions with carbon nanotubes: A comparison between the one- and two-fluid hydrodynamic models, Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Volume 358, 1 September 2015, Pages 82-87.
цитира се у:
1. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд,

2015.
2. A. S. Sabirov, Polarization-Field Influence on Light-Ion Channeling in Carbon Nanotubes, Journal of Surface Investigation: X-ray, Synchrotron and Neutron Techniques, 2018, Vol. 12, No. 4, pp. 811–815.

T. Marinkovic, I. Radovic, D. Borka and Z. L. Miškovic, Wake effect in the interaction of slow correlated charges with supported graphene due to plasmon-phonon hybridization, Physics Letters A 379, 377-381 (2015).
цитира се у:
1. Antonio Politano (2016): Spectroscopic Investigations of Phonons in Epitaxial Graphene, Critical Reviews in Solid State and Materials Sciences, DOI: 10.1080/10408436.2016.1138852
2. Despoja, Vito, Tijana Djordjevic, Lazar Karbunar, Ivan Radovic, and Zoran L. Miškovic. "Ab initio study of the electron energy loss function in a graphene-sapphire-graphene composite system." Physical Review B 96, no. 7 (2017): 075433.
3. Despoja, Vito, Pedro M. Echenique, and Marijan Sunjic. "Quantum friction between oscillating crystal slabs: Graphene monolayers on dielectric substrates." PHYSICAL REVIEW B 98, 125405 (2018).
4. Vito Despoja, Ivan Radović, Lazar Karbunar, Ana Kalinić, and Zoran L. Mišković, Wake potential in graphene-insulator-graphene composite systems, PHYSICAL REVIEW B 100, 035443 (2019).
5. Kamran Akbari, Relativistic Theory of the Interaction of Two-Dimensional Materials with Moving Charged Particles, PhD thesis, University of Waterloo, Waterloo, Ontario, Canada, 2019.
6. Bai, Xiang-Jia, Ying-Ying Zhang, Zoran L. Mišković, Ivan Radović, Chun-Zhi Li, and Yuan-Hong Song. "The Effects of Pseudomagnetic Fields on Plasmon–Phonon Hybridization in Supported Graphene Probed by a Moving Charged Particle." Plasmonics 16, no. 4 (2021): 1089-1098.
7. Kalinić, Ana, Ivan Radović, Lazar Karbunar, Vito Despoja, and Zoran L. Mišković. "Wake effect in interactions of ions with graphene-sapphire-graphene composite system." Physica E: Low-dimensional Systems and Nanostructures 126 (2021): 114447.
8. Đorđević, T., 2021. Teorijski modeli plazmona u grafenu pri interakciji sa naelektrisanim česticama (Doctoral dissertation, Univerzitet u Beogradu-Fizički fakultet).

A. R. Milosavljevic, M. Lj. Rankovic, D. Borka, J. B. Maljkovic, R. J. Bereczky, B. P. Marinkovic and K. T ȍ kèši, Study of electron transmission through a platinum tube, Nuclear Instruments and Methods in Physics Research Section B 10.1016/j.nimb.2014.11.087, 354, 86-89 (2015).
цитира се у:
1. Wickramarachchi SJ, Ikeda T, Dassanayake BS, Keerthisinghe D, Tanis JA. Incident energy and charge deposition dependences of electron transmission through a microsized tapered glass capillary. Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms. 2016 Jun 28.
2. Miloš Lj Rankovic, Phd Thesis: Photon and electron action spectroscopy of trapped biomolecular ions – From isolated to nanosolvated species, Fizicki fakultet, Beograd 2016.
3. N. Stolterfoht and J. Tanis, Significant differences in ion and electron guiding through highly insulating capillaries, Nuclear Inst, and Methods in Physics Research B 421 (2018)

32–37

D. Borka and K. Tokesi, Interaction of low energy electrons with platinum surface, Nuclear Instruments and Methods in Physics Research Section B, 10.1016/j.nimb.2014.12.044, 354, 112-115, (2015).

цитира се у:

1. Mikhailovskii V, Petrov Y, Vyvenko O. Plasmon-enhanced electron scattering in nanostructured thin metal films revealed by low-voltage scanning electron microscopy. In STATE-OF-THE-ART TRENDS OF SCIENTIFIC RESEARCH OF ARTIFICIAL AND NATURAL NANOOBJECTS, STRANN 2016: Proceedings of the 5th International Conference "State-of-the-art trends of scientific research of artificial and natural nanoobjects", 2016 Jun 17 (Vol. 1748, No. 1, p. 020005). AIP Publishing.
2. M. Kaur, G. Kaur, A. K. Jain, H. Mohan, P. S. Singh, and S. Sharma. "Identification of characteristic features in scattering cross sections for the electrons colliding with silver, platinum, and gold atoms." Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms 462 (2020): 38-50.

D. Borka, I. Radovic and K. Vukovic, Energy loss of charged particles traversing multilayer graphene, Nuclear Instruments and Methods in Physics Research Section B, 347, 7–10 (2015).

цитира се у:

1. G. Gonzalez de la Cruz, Influence of polar and metallic substrates on the surface plasmon in semi-infinite superlattice graphene structures, Solid State Communications 245 (2016) 75–80.
2. Mikšová, R., A. Macková, P. Malinský, and Z. Sofer. "The stopping power and energy straggling of light ions in graphene oxide foils." Nuclear Inst. and Methods in Physics Research B, Volume 406, p. 173-178 (2017).

T. Marinkovic, I. Radovic, D. Borka and Z. L. Miškovic, Probing the plasmon-phonon hybridization in supported graphene by externally moving charged particles, Plasmonics, DOI 10.1007/s11468-015-9993-3 (2015).

цитира се у:

1. T. Djordjevic, L. Karbunar, V. Despoja, I. Radovic and Z. L. Miškovic, Plasmon-Phonon Hybridization in Layered Structures Including Graphene , Contributed papers and abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, 28th Summer School and International Symposium on the Physics of Ionized Gases, Belgrade, Serbia, Aug. 29-Sep. 2, p. 154-157 (2016).
2. V. Despoja, I. Radovic and Z. L. Miškovic, Interactions of charged particles with double-layer graphene, Contributed papers and abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, 28th Summer School and International Symposium on the Physics of Ionized Gases, Belgrade, Serbia, Aug. 29-Sep. 2, 137 (2016).
3. Despoja, Vito, Tijana Djordjevic, Lazar Karbunar, Ivan Radovic, and Zoran L. Miškovic. "Ab initio study of the electron energy loss function in a graphene-sapphire-graphene composite system." Physical Review B 96, no. 7 (2017): 075433.
4. Zoran L. Miškovic, Kamran Akbari, Silvina Segui, Juana L. Gervasoni, Néstor R. Arista, Relativistic effects in the energy loss of a fast charged particle moving parallel to a two-dimensional electron gas, Nuclear Inst, and Methods in Physics Research B 422 (2018)18–23
5. Loncaric, Ivor, Zoran Rukelj, Vyacheslav M. Silkin, and Vito Despoja. "Strong two-dimensional plasmon in Li-intercalated hexagonal boron-nitride film with low damping." arXiv preprint arXiv:1803.00592 (2018).

6. Despoja, Vito, Pedro M. Echenique, and Marijan Sunjic. "Quantum friction between oscillating crystal slabs: Graphene monolayers on dielectric substrates." PHYSICAL REVIEW B 98, 125405 (2018).
7. V. Despoja, I. Radović, L. Karbunar and Z. L. Mišković, Wake Effect due to Excitation ofPlasmon-Phonon Hybrid Modes in a Graphene-Sapphire-Graphene Structure by a Moving Charge, Contributed papers and abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, 29th Summer School and International Symposium on the Physics of Ionized Gases, Belgrade, Serbia, Aug. 28-Sep. 1, p. 82-85 (2018).
8. Vito Despoja, Ivan Radović, Lazar Karbunar, Ana Kalinić, and Zoran L. Mišković, Wake potential in graphene-insulator-graphene composite systems, PHYSICAL REVIEW B 100, 035443 (2019).
9. Akbari, Kamran. Doctoral thesis, "Relativistic Theory of the Interaction of Two-Dimensional Materials with Moving Charged Particles.", Waterloo, Ontario, Canada, 2019.
10. A. KALINIĆ, I. RADOVIĆ, L. KARBUNAR, V. DESPOJA and Z. L. MIŠKOVIĆ, INTERACTIONS OF IONS WITH GRAPHENE-SAPPHIRE-GRAPHENE COMPOSITE SYSTEM: STOPPING FORCE AND IMAGE FORCE, Publ. Astron. Obs. Belgrade No. 99 (2020), 97 – 100
11. Bai, Xiang-Jia, Ying-Ying Zhang, Zoran L. Mišković, Ivan Radović, Chun-Zhi Li, and Yuan-Hong Song. "The Effects of Pseudomagnetic Fields on Plasmon–Phonon Hybridization in Supported Graphene Probed by a Moving Charged Particle." Plasmonics 16, no. 4 (2021): 1089-1098.
12. Đorđević, T., 2021. Teorijski modeli plazmona u grafenu pri interakciji sa naelektrisanim česticama (Doctoral dissertation, Univerzitet u Beogradu-Fizički fakultet).
13. Kalinić, Ana, Ivan Radović, Lazar Karbunar, Vito Despoja, and Zoran L. Mišković. "Wake effect in interactions of ions with graphene-sapphire-graphene composite system." Physica E: Low-dimensional Systems and Nanostructures 126 (2021): 114447.
14. Preciado Rivas, Maria Rosa, Milad Moshayedi, and Zoran L. Mišković. "On the role of the energy loss function in the image force on a charge moving over supported graphene." Journal of Applied Physics 130, no. 17 (2021): 173103.
15. Moshayedi, Milad, Maria Rosa Preciado Rivas, and Zoran L. Mišković. "Stopping and image forces on a charged particle moving parallel to an anisotropic two-dimensional material." Physical Review B 105, no. 7 (2022): 075429.
16. Preciado Rivas María Rosa. "Theoretical Description of the Forces on a Point Charge Moving Parallel to a Supported Two-dimensional Material." Master's thesis, University of Waterloo, 2022.
17. Heydari, M.B., Karimipour, M. and Shirkolaei, M.M., 2022. Highly Confined and Tunable Mid-IR Polaritonics in Symmetric Nonlinear-Graphene-hBN Heterostructures. *Plasmonics*, *17*(6), pp.2269-2283.
18. Heydari, Mohammad Bagher, Majid Karimipour, and Morteza Mohammadi Shirkolaei. "Analytical study of highly adjustable plasmonic modes in graphene-based heterostructure for THz applications." *Journal of Optics* (2023): 1-7.
19. Heydari, Mohammad Bagher, Majid Karimipour, and Morteza Mohammadi Shirkolaei. "High-performance hyperbolic phonon-plasmon modes at mid-infrared frequencies in grounded graphene-hBN heterostructures: an analytical approach." *Optical and Quantum Electronics* 55, no. 2 (2023): 1-12.
20. Heydari, Mohammad Bagher, Majid Karimipour, and Morteza Mohammadi Shirkolaei. "Tunable Plasmon-Phonon Modes in Nonlinear-Graphene-hBN Heterostructures." (2022).
21. Heydari, Mohammad Bagher, Majid Karimipour, and Morteza Mohammadi Shirkolaei. "Strong Phonon-Plasmon Coupling in Grounded Graphene-Hexagonal Boron Nitride (hBN) Heterostructures." (2022).

L. Karbunar, D. Borka, I. Radovic, Z. L. Miškovic, Image potential in the interaction of fast ions with carbon nanotubes: A comparison between the one- and two-fluid hydrodynamic model, Nuclear Instruments and Methods in Physics Research Section B, Volume 358, 1, 82-87 (2015).
цитира се у:
1. ZHANG Chao, MAO Fei, MENG Xiangrui, PAN Chengling and SHENG Shaoding, „Collision Dynamics of an Energetic Carbon Ion Impinging on the Stone-Wales Defect in a Single-walled Carbon Nanotube“, Chem. Res. Chin. Univ., 2016, 32(5), 803—807.
2. Sabirov, A. S., Polarization-Field Influence on Light-Ion Channeling in Carbon Nanotubes, Journal of Surface Investigation 12(4), pp. 811-815 (2018).

D. Borka, P. Jovanovic, V. Borka Jovanovic, A. F. Zakharov, S2 like star orbits near the galactic center in Rn and Yukawa gravity, Chapter 9 in "Advances in General Relativity Research", 343-362, Edited by Cameron Williams, ISBN: 978-1-63483-120-8, Nova Science Publishers (2015)
цитира се у:
1. A. F. Zakharov, The black hole at the Galactic Center: observations and models, International Journal of Modern Physics D 27(6),1841009 (2018).

Radovi 2016.

L. Karbunar, D. Borka, I. Radovic, Image potential and stopping force in the interaction of fast ions with carbon nanotubes: The extended two-fluid hydrodynamic model , Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Volume 366, 1 January 2016, Pages 83-89.
цитира се у:
1. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.

L. Karbunar, D. Borka, I. Radovic, Z. L. Miškovic, Channeling of fast ions through the bent carbon nanotubes: The extended two-fluid hydrodynamic model, Chin. Phys. B Vol. 25, No. 4, 046106-1–10 (2016).
цитира се у:
1. Лазар Б. Карбунар, Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.

D. Borka, S. Capozziello, P. Jovanovic, V. Borka Jovanovic, Probing hybrid modified gravity by stellar motion around Galactic Centre, Astroparticle Physics 79 (2016) 41–48.
цитира се у:
1. S. Carloni, T. Koivisto, F. S. N. Lobo, *A dynamical system analysis of hybrid metric-Palatini cosmologies*, Phys. Rev. D 92, 064035-1-11 (2015)

2. S. Capozziello, T. Harko, T. S. Koivisto, F. S. N. Lobo, G. J. Olmo, *Hybrid metric-Palatini gravity*, Universe 1, 199-238 (2015)
3. Aneta Wojnar, PhD Dissertation, EXTENDED THEORIES OF GRAVITY IN COSMOLOGICAL AND ASTROPHYSICAL APPLICATIONS, Insitute for Theoretical Physics, Department of Physics and Astronomy, University of Wroclaw(2016), arXiv:1610.09892.
4. A. Hees, T. Do, A. M. Ghez et al., *Testing General Relativity with stellar orbits around the supermassive black hole in our Galactic Center*, Phys. Rev. Lett. 118, 211101-1-9 (2017)
5. M. De Laurentis, Z. Younsi, O. Porth, Y. Mizuno, L. Rezzolla, *Test-particle dynamics in general spherically symmetric black hole spacetimes*, Phys. Rev. D 97, 104024-1-17 (2018)
6. M. De Laurentis, I. De Martino, R. Lazkoz, *Modified gravity revealed along geodesic tracks*, Eur. Phys. J. C 78, 916-1-6 (2018)
7. A. D'ADDIO, S. CAPOZZIELLO, P. JOVANOVIĆ and V. BORKA JOVANOVIĆ, TESTING EXTENDED THEORY OF GRAVITY BY Sgr A*, Publ. Astron. Obs. Belgrade No. 98 (2018), 109 – 114.
8. Amorim, António, Michael Bauböck, Myriam Benisty, Jean-Philippe Berger, Yann Clénet, Vincent Coude du Foresto, Tim de Zeeuw et al. "Scalar field effects on the orbit of S2 star." , *Monthly Notices of the Royal Astronomical Society* 489, no. 4 (2019): 4606-4621.
9. Harko, Tiberiu, and Francisco SN Lobo. Extensions of f(R) Gravity: Curvature-Matter Couplings and Hybrid Metric-Palatini Theory. Vol. 1. Cambridge University Press, 2018.
10. Paulo M. Sá, Unified Description of Dark Energy and Dark Matter within the Generalized Hybrid Metric-Palatini Theory of Gravity, Universe 2020, 6, 78..
11. Gainutdinov, R. I. "PPN Motion of S-Stars Around Sgr A." *Astrophysics* 63, no. 4 (2020): 470-481.
12. Che-Yu Chen, Yu-Hsien Kung, and Pisin Chen, Black hole perturbations and quasinormal modes in hybrid metric-Palatini gravity, PHYSICAL REVIEW D 102, 124033 (2020)
13. Harko, Tiberiu, and Francisco SN Lobo. "Beyond Einstein's General Relativity: Hybrid metric-Palatini gravity and curvature-matter couplings." *Int. J. Mod. Phys. D* 29 (2020).
14. Benisty, D. and Davis, A.C., 2022. Dark energy interactions near the Galactic Center. *Physical Review D*, *105*(2), p.024052.
15. Benisty, D., 2022. Testing modified gravity via Yukawa potential in two body problem: Analytical solution and observational constraints. *Physical Review D*, *106*(4), p.043001.
16. de Laurentis, Mariafelicia, Ivan De Martino, and Riccardo Della Monica. "The Galactic Center as a laboratory for theories of gravity and dark matter." *arXiv preprint arXiv:2211.07008* (2022).

A. Politano, I. Radovic, D. Borka, Z. L. Miškovic and G. Chiarello, Interband plasmons in supported graphene on metal substrates: theory and experiments, Carbon 96, 91-97 (2016).

цитира се у:

1. Politano, Antonio, Guus J. Slotman, Rafael Roldán, Gennaro Chiarello, Davide Campi, Mikhail I. Katsnelson, and Shengjun Yuan. "The nature of plasmonic modes in moir\'e-reconstructed graphene/metal interfaces." arXiv preprint arXiv:1604.02905 (2016).
2. Tang Q, Zhang CX, He C, Tang C, Zhong J. Charge transport properties of graphene: Effects of Cu-based gate electrode. Journal of Applied Physics. 2016 Jul 21;120(3):035101.
3. Moradi, A., 2017. Energy density and energy flow of plasmonic waves in bilayer graphene. Optics Communications, 394, pp.135-138.
4. Politano, A., Slotman, G.J., Roldán, R., Chiarello, G., Campi, D., Katsnelson, M.I. and Yuan, S., 2017. Effect of moiré superlattice reconstruction in the electronic excitation

spectrum of graphene-metal heterostructures. 2D Materials, 4(2), p.021001.
5. Tesch, J., Voloshina, E., Fonin, M. and Dedkov, Y., 2017. Growth and electronic structure of graphene on semiconducting Ge (110), CARBON
Volume: 122 Pages: 428-433 Published: OCT 2017.
6. Politano, A., D. Campi, M. Cattelan, I. Ben Amara, S. Jaziri, A. Mazzotti, A. Barinov et al. "Indium selenide: an insight into electronic band structure and surface excitations." Scientific Reports 7 (2017).
7. Liu, Xiaojie, and Cai-Zhuang Wang. "Transition metal partially supported graphene: Magnetism and oscillatory electrostatic potentials." Journal of Applied Physics 122, no. 5 (2017): 055303.
8. Despoja, Vito, Tijana Djordjevic, Lazar Karbunar, Ivan Radovic, and Zoran L. Mišković. "Ab initio study of the electron energy loss function in a graphene-sapphire-graphene composite system." Physical Review B 96, no. 7 (2017): 075433.
9. Despoja, V. and Marušic, L., 2018. UV active plasmons in alkali and alkaline earth intercalated graphene. PHYSICAL REVIEW B 97, 205426 (2018).10. Julia Tesch, Local electronic properties of epitaxial graphene nanoflakes on metals and semiconductors, phd thesis, University Konstanz, Konstanzer Online-Publikations-System (KOPS) URL: http://nbn-resolving.de/urn:nbn:de:bsz:352-2-uorzayqwyx2p4 (2018).
11. Zoran Miskovic, Theoretical Modeling of Electron Energy Loss Spectroscopy of Graphene: Comparing Ab initio Calculations and Empirical Models with Experiments, Programe and book of abstracts, FIRST INTERNATIONAL CONFERENCE ON ELECTRON MICROSCOPY OF NANOSTRUCTURES, Rectorate of the University of Belgrade, Belgrade, Serbia, August 27-29, 2018
http://elmina.tmf.bg.ac.rs
12. Moradi, Afshin. "Plasmonic waves of graphene on a conducting substrate." Journal of Modern Optics 66, no. 3 (2019): 353-357.
13. J. Madrigal-Melchor, J.S. Pérez-Huerta, J.R. Suárez-López, I. Rodríguez-Vargas, D. Ariza-Flores, TM plasmonic modes in a multilayer graphene-dielectric structure, Superlattices and Microstructures 125 (2019) 247–255.
14. Giuseppe Nicotra, Edo van Veen, Ioannis Deretzis et al., Anisotropic ultraviolet-plasmon dispersion in black phosphorus, Nanoscale, 2018, 10, 21918.
15. Vito Despoja, Ivan Radović, Lazar Karbunar, Ana Kalinić, and Zoran L. Mišković, Wake potential in graphene-insulator-graphene composite systems, PHYSICAL REVIEW B 100, 035443 (2019).
16. Men Nguyen Van, and Dong Thi Kim Phuong. "Plasmon modes in graphene—GaAs heterostructures at finite temperature." International Journal of Modern Physics B (2019): 1950174.
17. Xian-Long He, Ying-Ying Zhang, Zoran L. Mišković, Ivan Radović, Chun-Zhi Li, and Yuan-Hong Song, Interactions of moving charge with supported graphene in the presence of strain-induced pseudomagnetic field, Eur. Phys. J. D (2020) 74: 18
18. Lyon, Keenan, Duncan J. Mowbray, and Zoran L. Miskovic. "Conductivity models for electron energy loss spectroscopy of graphene in a scanning transmission electron microscope with high energy resolution." Ultramicroscopy (2020): 113012.
19. Salonikios, Vasilis, Michalis Nitas, Savvas Raptis, and Traianos V. Yioultsis. "Computational Analysis of Graphene-Based Periodic Structures via a Three-Dimensional Field-Flux Eigenmode Finite Element Formulation." Progress In Electromagnetics Research 92 (2020): 157-167.
20. Ukhtary, M. Shoufie, and Riichiro Saito. "Surface plasmon in graphene and carbon nanotubes." *Carbon* (2020), doi: https://doi.org/10.1016/j.carbon.2020.05.019.
21. Lyon, Keenan, Duncan J. Mowbray, and Zoran L. Miskovic. "Conductivity models for

electron energy loss spectroscopy of graphene in a scanning transmission electron microscope with high energy resolution." *Ultramicroscopy* (2020): 113012.
22. Bai, Xiang-Jia, Ying-Ying Zhang, Zoran L. Mišković, Ivan Radović, Chun-Zhi Li, and Yuan-Hong Song. "The Effects of Pseudomagnetic Fields on Plasmon–Phonon Hybridization in Supported Graphene Probed by a Moving Charged Particle." Plasmonics 16, no. 4 (2021): 1089-1098.
23. Despoja, Vito, Ivan Radović, Antonio Politano, and Zoran L. Mišković. "Insights on the Excitation Spectrum of Graphene Contacted with a Pt Skin." *Nanomaterials* 10, no. 4 (2020): 703.
24. Đorđević, T., 2021. Teorijski modeli plazmona u grafenu pri interakciji sa naelektrisanim česticama (Doctoral dissertation, Univerzitet u Beogradu-Fizički fakultet).
25. Geng, Wenhui, Han Gao, Chao Ding, Lei Sun, Xikui Ma, Yangyang Li, and Mingwen Zhao. "Highly-anisotropic plasmons in two-dimensional hyperbolic copper borides." Optics Express 30, no. 4 (2022): 5596-5607.
26. Chen, J., 2022. Electrical and Thermal Properties of Epoxy Composites Containing Graphene-Carbon Nanotube Hybrid Materials. *Available at SSRN 4194318*.
27. Kalinić, A., Despoja, V., Radović, I., Karbunar, L. and Mišković, Z.L., 2022. Stopping and image forces acting on a charged particle moving near a graphene-Al2O3-graphene heterostructure. Physical Review B, 106(11), p.115430.

A. F. Zakharov, P. Jovanovic, D. Borka and V. Borka Jovanovic, Constraining the range of Yukawa gravity interaction from S2 star orbits II: Bounds on graviton mass, Journal of Cosmology and Astroparticle Physics 05 (2016) 045.
цитира се у:
1. Soloviev V. O., Hamiltonian cosmology of bigravity, Physics of Particles and Nuclei, March 2017, Volume 48, Issue 2, pp 287–308.
2. de Rham, Claudia, et al. "Graviton mass bounds." Reviews of Modern Physics 89.2 (2017): 025004.
3. A. Hees et al., “Testing General Relativity with stellar orbits around the supermassive black hole in our Galactic center”, Phys. Rev. Lett. (2017), in press., ArXiv:1705.07902v1.
4. Devin S. Chu, Tuan Do, Aurelien Hees, Andrea Ghez, Smadar Naoz, Gunther Witzel, Shoko Sakai, Samantha Chappell, Abhimat K. Gautam, Jessica R. Lu, Keith Matthews, INVESTIGATING THE BINARITY OF S0-2: IMPLICATIONS FOR ITS ORIGINS AND ROBUSTNESS AS A PROBE OF THE LAWS OF GRAVITY AROUND A SUPERMASSIVE BLACK HOLE, ArXiv 1709.04890, dec 2017.
5. Alexander Zakharov, The black hole at the Galactic Center: observations and models in a nutshell, IOP Conf. Series: Journal of Physics: Conf. Series 1234567890 934 (2017) 012037.
6. Akshay Rana, Deepak Jain, Shobhit Mahajan, Amitabha Mukherjee, Probing Graviton mass using weak lensing and SZ effect in Galaxy Clusters, Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics 781, pp. 220-226 (2018).
7. I. De Martino, R. Lazkoz, M. De Laurentis, Analysis of the Yukawa gravitational potential in f(R) gravity I: semiclassical periastron advance, Physical Review D 97(10), 104067 (2018).
8. M. De Laurentis, I. De Martino, R. Lazkoz, Analysis of the Yukawa gravitational potential in f (R) gravity II: relativistic periastron advance, Physical Review D, 97(10),104068 (2018).
9. A. F. Zakharov, The black hole at the Galactic Center: observations and models, International Journal of Modern Physics D 27(6),1841009 (2018).
10. Alexander F. Zakharov, Constraints on tidal charge of the supermassive black hole at the

Galactic Center with trajectories of bright stars, Eur. Phys. J. C (2018) 78:689.
11. Rong-Gen Cai, Tong-Bo Liu, and Shao-Jiang Wang, The GWs from the S-stars revolving around the SMBH at Sgr A*, arXiv:1808.03164 [astro-ph.GA] (Avgust 2018)
12. V. I. Dokuchaev and N. O. Nazarova, Gravitational Lensing of a star by a rotating black hole, arXiv:1802.00817 [astro-ph.GA] (February 2018).
13. A. D'ADDIO, S. CAPOZZIELLO, P. JOVANOVIĆ and V. BORKA JOVANOVIĆ, TESTING EXTENDED THEORY OF GRAVITY BY Sgr A*, Publ. Astron. Obs. Belgrade No. 98 (2018), 109 – 114.
14. Mariafelicia De Laurentis, Ivan De Martino and Ruth Lazkoz, Modified gravity revealed along geodesic tracks, Eur. Phys. J. C 2018. 78:916.
15. Z. Stuchlik, J. Schee, Shadow of the regular Bardeen black holes and comparison of the motion of photons and neutrinos, Eur. Phys. J. C 79, 44-1-13 (2019)
16. A. F. Zakharov, Tests of gravity theories with Galactic Center observations,
Int. J. Mod. Phys. D 28, 1941003-1-17 (2019)
17. M. Kord Zangeneh, H. Moradpour, N. Sadeghnezhad, A note on cosmological features of modified Newtonian potentials, Mod. Phys. Lett. A 34, 1950168 (2019)
18. J. Tate Deskins, Doctoral Dissertation "Constraints on Massive Gravity: A Numerical Study
of Galileons", Case Western Reserve University, Ohio, US, 2019
19. A. Amorim et al. (The GRAVITY Collaboration), Scalar field effects on the orbit of S2 star, Mon. Not. R. Astron. Soc. 489, 4606-4621 (2019)
20. Dokuchaev, Vyacheslav I., and Natalia O. Nazarova. "Silhouettes of invisible black holes." arXiv preprint arXiv:1911.07695 (2019).
21. Zakharov, Alexander. "Gravity theory tests with observations of stars near the black hole at the galactic center." In *Journal of Physics: Conference Series*, vol. 1390, no. 1, p. 012089. IOP Publishing, 2019.
22. Zakharov, Alexander F. "CONSTRAINTS ON GRAVITON MASS AND A TIDAL CHARGE WITH OBSERVATIONS OF THE GALACTIC CENTER." Proceedings of the 54 th RENCONTRES DE MORIOND Gravitation 2019, Editors: Étienne Augé Jacques Dumarchez and Jean Trân Thanh Vân: 85-89. (2019)
23. A. Hees, T. Do, B. M. Roberts, A. M. Ghez, S. Nishiyama, R. O. Bentley, A. K. Gautam, S. Jia, T. Kara, J. R. Lu, H. Saida, S. Sakai, M. Takahashi, and Y. Takamori, Search for a Variation of the Fine Structure Constant around the Supermassive Black Hole in Our Galactic Center, Phys. Rev. Lett. 124, 081101 – Published 26 February 2020
24. Capozziello, Salvatore, Maurizio Capriolo, and Loredana Caso. Weak field limit and gravitational waves in f (T, B) teleparallel gravity. The European Physical Journal C 80, no. 2 (2020): 1-11.
25. Tian, S.X., and Zong-Hong Zhu., Quantization of the nonstandard propagating gravitational waves in the cosmological background. Physics of the Dark Universe 27 (2020): 100418.
26. R. I. Gainutdinov, "PPN motion of the S-stars around Sgr A"- arXiv preprint arXiv:2002.12598, 2020.
27. Докучаев, Вячеслав Иванович, and Наталья Олеговна Назарова. "Силуэты невидимых чёрных дыр." *Успехи физических наук* 190, no. 6 (2020): 627-647.
28. Dokuchaev, V. I., and N. O. Nazarova. "Visible shapes of black holes M87* and SgrA." *arXiv preprint arXiv:2007.14121* (2020).
29. Zakharov, Alexander F. "Tests of Gravity Theories with Black Hole Observations." Publ. Astron. Obs. Belgrade No. 100 (2021), 43 - 53
30. Докучаев, Вячеслав Иванович, and Наталья Олеговна Назарова. "Силуэты невидимых чёрных дыр." Успехи физических наук 190, no. 6 (2020): 627-647.

31. Zakharov, A. F. "Tests of Gravitational Theories with Observations of the Galactic Center and the Center of the Galaxy M87." Physics of Particles and Nuclei 51, no. 4 (2020): 750-756.
32. Zakharov, A.F., 2022. Testing the Galactic Centre potential with S-stars. *Monthly Notices of the Royal Astronomical Society: Letters, 513*(1), pp.L6-L9.
33. D'Addio, Anna. "S-star dynamics through a Yukawa–like gravitational potential." Physics of the Dark Universe 33 (2021): 100871.
34. Piórkowska-Kurpas, Aleksandra, Shuo Cao, and Marek Biesiada. "Graviton mass from X-COP galaxy clusters." Journal of High Energy Astrophysics 33 (2022): 37-43.
35. Benisty, David, and Anne-Christine Davis. "Dark energy interactions near the Galactic Center." Physical Review D 105, no. 2 (2022): 024052.
36. Piórkowska-Kurpas, Aleksandra. "Graviton Mass in the Era of Multi-Messenger Astronomy." Universe 8, no. 2 (2022): 83.
37. Remo, Garattini. "Yukawa–Casimir wormholes." The European Physical Journal. C, Particles and Fields. 81, no. 9 (2021).
38. Garattini, Remo. "Yukawa–Casimir wormholes." The European Physical Journal C 81, no. 9 (2021): 1-14.
39. Zakharov, Alexander F. "CONSTRAINTS ON GRAVITY THEORIES WITH OBSERVATIONS OF GALACTIC CENTER AND THE CENTER OF M87 GALAXY." In PARTICLE PHYSICS at the Year of 150th Anniversary of the Mendeleev's Periodic Table of Chemical Elements: Proceedings of the Nineteenth Lomonosov Conference on Elementary Particle Physics, pp. 406-412. 2021.
40. Zwick, L., Soyuer, D. and Bucko, J., 2022. Prospects for a local detection of dark matter with future missions to Uranus and Neptune. *arXiv preprint arXiv:2204.07242*.
41. Benisty, David. "Testing modified gravity via Yukawa potential in two body problem: Analytical solution and observational constraints." *Physical Review D* 106, no. 4 (2022): 043001.
42. Dong, Yiming, Lijing Shao, Zexin Hu, Xueli Miao, and Ziming Wang. "Prospects for constraining the Yukawa gravity with pulsars around Sagittarius A." Journal of Cosmology and Astroparticle Physics 2022, no. 11 (2022): 051.
43. Zakharov, A. F. "Orbits of Bright Stars Near the Galactic Center as a Tool to Test Gravity Theories." *Moscow University Physics Bulletin* 77, no. 2 (2022): 341-348.
44. Jawad, Abdul, M. Sulehri, and Shamaila Rani. "Physical analysis of Yukawa–Casimir traversable wormhole solutions in non-minimally coupled f (T) gravity." The European Physical Journal Plus 137, no. 11 (2022): 1-18.
45. de Laurentis, Mariafelicia, Ivan De Martino, and Riccardo Della Monica. "The Galactic Center as a laboratory for theories of gravity and dark matter." *arXiv preprint arXiv:2211.07008* (2022).
46. Piórkowska-Kurpas, Aleksandra, Shuo Cao, and Marek Biesiada. "Graviton mass from X-COP galaxy clusters." *Journal of High Energy Astrophysics* 33 (2022): 37-43.

V. Borka Jovanovic, S. Capozziello, P. Jovanovic and D. Borka, "Recovering the fundamental plane of glaxies by f(R) gravity", Physics of the Dark Universe 14 (2016) 73–83.

цитира се у:

1. Hafiza Rizwana Kausar, Behaviour of charged collapsing fluids after hydrostatic equilibrium in Rn gravity, Eur. Phys. J. C (2017) 77:374
2. Licata, I.; Moradpour, H.; Corda, C., The commutator algebra of covariant derivative as

general framework for extended gravity. The Rastall theory case and the role of the torsion, INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS Volume: 14 Issue: 11 Article Number: 1730003 Published: NOV 2017.
3. P. I. Dyadina, N. A. Avdeev, S. O. Alexeyev, Horndeski gravity without screening in binary pulsars, Mon. Not. R. Astron. Soc 483, 947-963 (2019)
4. M. Vasilić, Gravitational acceleration in a class of geometric sigma models, Phys. Rev. D 99,
024038-1-10 (2019)
5. A. G. Shalaby, Impact of the running gravitational constant on the extensive thermodynamics
of galaxies, Int. J. Mod. Phys. A 34, 1950014 (2019)
6. C. Saulder, I. Steer, O. Snaith, C. Park, Distance measurements to early-type galaxies by improving the fundamental plane, Mon. Not. R. Astron. Soc., arXiv:1905.12970 (2019)
7. A. Maeder, V. G. Gueorguiev, Scale-invariant dynamics of galaxies, MOND, dark matter, and the dwarf spheroidals, Mon. Not. R. Astron. Soc. 492, 2698-2708 (2019)
8. A. Maeder, V. G. Gueorguiev, The growth of the density fluctuations in the scale-invariant vacuum theory, Phys. Dark Univ. 25, 100315-1-12 (2019)
9. A. Giusti, On the corpuscular theory of gravity, Int. J. Geom. Meth. Mod. Phys. 16, 1930001 (2019)
10. Giusti, Andrea. "On the corpuscular theory of gravity.", Doctoral dissertation, Ludwig Maximilian University, Munchen, 2018.
11. Singh, Ksh Newton, Abdelghani Errehymy, Farook Rahaman, and Mohammed Daoud. "Exploring physical properties of compact stars in f (R, T)-gravity: An embedding approach." *Chinese Physics C* 44, no. 10 (2020): 105106.
12. Maeder, Andre, and Vesselin G. Gueorguiev. "Scale-Invariant Dynamics of Galaxies, MOND, Dark Matter, and the Dwarf Spheroidals." Monthly Notices of the Royal Astronomical Society, Volume 492, Issue 2, p.2698-2708, 2020.
13. S.K. Maurya, Francisco Tello-Ortiz, Anisotropic fluid spheres in the framework of f(R,T) gravity theory, Annals of Physics 414 (2020) 168070.
14. Maurya, S. K., Abdelghani Errehymy, Ksh Newton Singh, Francisco Tello-Ortiz, and Mohammed Daoud. "Gravitational decoupling minimal geometric deformation model in modified f (R, T) gravity theory." *Physics of the Dark Universe* (2020): 100640..
15. Bajardi, Francesco, and Salvatore Capozziello. "$$ f (\mathcal {G}) $$ f (G) Noether cosmology." *The European Physical Journal C* 80, no. 8 (2020): 1-12.
16. Errehymy, Abdelghani, and Mohammed Daoud. "Studies an analytic model of a spherically symmetric compact object in Einsteinian gravity." *The European Physical Journal C* 80, no. 3 (2020): 1-12.
17. Deliduman, Cemsinan, Oğuzhan Kaşıkçı, and Barış Yapışkan. "Flat galactic rotation curves from geometry in Weyl gravity." *Astrophysics and Space Science* 365, no. 3 (2020): 1-11.
18. Barrientos, Ernesto, Tula Bernal, and Sergio Mendoza. "Non-vacuum relativistic extensions of MOND using metric theories of gravity with curvature–matter couplings and their applications to the accelerated expansion of the universe without dark components." International Journal of Geometric Methods in Modern Physics 18, no. 06 (2021): 2150086.
19. Tahir, M., G. Abbas, Kazuharu Bamba, and M. R. Shahzad. "Dynamics of dissipative self-gravitating source in Rastall gravity." International Journal of Modern Physics A 36, no. 20 (2021): 2150153.
20. Bajardi, Francesco, and Salvatore Capozziello. *Noether Symmetries in Theories of Gravity: With Applications to Astrophysics and Cosmology*. Cambridge University Press, 2022.

A. F. Zakharov, P. Jovanovic, D. Borka, V. Borka Jovanovic, Trajectories of bright stars at the Galactic Center as a tool to evaluate a graviton mass, QUARKS-2016, EPJ Web of Conferences 125 , 01011-1-8 (2016).
DOI:10.1051/epjconf/201612501011
цитира се у:
1. Alexander Zakharov, The black hole at the Galactic Center: observations and models in a nutshell, IOP Conf. Series: Journal of Physics: Conf. Series 1234567890
934 (2017) 012037.
2. A. F. Zakharov, The black hole at the Galactic Center: observations and models, International Journal of Modern Physics D 27(6),1841009 (2018).
3. Alexander F. Zakharov, Constraints on tidal charge of the supermassive black hole at the Galactic Center with trajectories of bright stars, Eur. Phys. J. C (2018) 78:689.
4. A. F. Zakharov, *Constraints on alternative theories of gravity with observations of the Galactic Center*, EPJ Web Conf. 191, 01010-1-9 (2018)
5. A. F. Zakharov, Tests of gravity theories with Galactic Center observations, Int. J. Mod. Phys. D 28, 1941003-1-17 (2019).
6. Zakharov, Alexander. "Gravity theory tests with observations of stars near the black hole at the galactic center." In *Journal of Physics: Conference Series*, vol. 1390, no. 1, p. 012089. IOP Publishing, 2019.
7. Mandrik, Petr. "Top FCNC searches at HL-LHC with the CMS experiment." In EPJ Web of Conferences, vol. 191, p. 02009. EDP Sciences, 2018.

P. Jovanovic, V. Borka Jovanovic, D. Borka, L. C. Popovic, Line shifts in accretion disks – the case of Fe Kα, Astrophysics and Space Science 361:75, p. 1-8 (2016)
цитира се у:
1. Foord, Adi, Kayhan Gültekin, Mark Reynolds, Megan Ayers, Tingting Liu, Suvi Gezari, and Jessie Runnoe. "A Multi-wavelength Analysis of Binary-AGN Candidate PSO J334. 2028+ 01.4075." *The Astrophysical Journal* 851, no. 2 (2017): 106.
2. L. Č. POPOVIĆ, D. ILIĆ, E. BON, N. BON, P. JOVANOVIĆ et al., SPECTROSCOPY AND SPECTROPOLARIMETRY OF AGN: FROM OBSERVATIONS TO MODELLING, Publ. Astron. Obs. Belgrade No. 98 (2018), 49 – 58.
3. Foord, A. (2020). *Discovering the Missing Population of AGN Pairs with Chandra* (Doctoral dissertation), The University of Michigan, 2020.
4. Chainakun, P., Watcharangkool, A. and Young, A.J., 2022. Effects of the refractive index of the X-ray corona on the emission lines in AGNs. *Monthly Notices of the Royal Astronomical Society, 512*(1), pp.728-738.

Radovi 2017.

S. Capozziello, P. Jovanovic, V. Borka Jovanovic, D. Borka, Addressing the missing matter problem in galaxies through a new fundamental gravitational radius, Journal of Cosmology and Astroparticle Physics 06 (2017) 044.
цитира се у:
1. P. Di Cintio, L. Ciotti, C. Nipoti, Radially anisotropic systems with $r^{-\alpha}$ forces.

II: radial-orbit instability, arXiv:1612.03603v3 [astro-ph.GA], Mon Not R Astron Soc 468, 2222 (2017).
2. Andrew Finch, Jackson Levi Said, Galactic rotation dynamics in f (T) gravity, Eur. Phys. J. C (2018) 78:560
3. Emilio Santos, Dark matter as an effect of the quantum vacuum, Astrophys Space Sci (2018) 363:74.
4. Salvatore Capozziello, Konstantinos F. Dialektopoulos and Sergey V. Sushkov, Classification of the Horndeski cosmologies via Noether Symmetries, Eur. Phys. J. C (2018) 78:447.
5. C. Castro Perelman, *Dynamical Dark Energy and the Relativistic Bohm-Poisson Equation*, J. Astrophys. Aerospace Technol. 6, 34, 17pp (2018) DOI: 10.13140/RG.2.2.19042.63687
6. C. Castro Perelman, *On Finsler Geometry, MOND and Diffeomorphic Metrics to the Schwarzschild Solution*, 18pp (2018) DOI: 10.13140/RG.2.2.26150.42565
7. X. Hernandez, R. A. Sussman and L. Nasser, Approaching the Dark Sector through a bounding curvature criterion, Monthly Notices of the Royal Astronomical Society, Volume 483, Issue 1, 11 February 2019, Pages 147–151.
8. Moritz Platscher, Juri Smirnov, Sven Meyer, and Matthias Bartelmann, Long Range Effects in Gravity Theories with Vainshtein Screening, Journal of Cosmology and Astroparticle Physics, Volume 2018, December 2018.
9. V. G. Gurzadyan, On the common nature of dark matter and dark energy: Galaxy groups January 2019, European Physical Journal Plus 134(1), January 2019, 134:14 DOI: 10.1140/epjp/i2019-12418-4.
10. Milovan Vasilić, Gravitational acceleration in a class of geometric sigma models,PHYSICAL REVIEW D 99, 024038 (2019).
11. Minkevich, A. V., About gravitational interaction in astrophysics in Riemann–Cartan space-time, Classical and Quantum Gravity, Volume 36, Issue 5, article id. 055003 (2019)
12. Perelman, Carlos Castro, Is dark matter and black hole cosmology an effect of Born's reciprocal relativity theory?, Canadian Journal of Physics, vol. 97, issue 2, pp. 198-209 (2019)
13. Maeder, Andre, and Vesselin G. Gueorguiev. "The growth of the density fluctuations in the scale-invariant vacuum theory." Physics of the Dark Universe (2019): 100315.
14. Yang, W., Pan, S., Vagnozzi, S., Di Valentino, E., Mota, D. F., & Capozziello, S. (2019). Dawn of the dark: unified dark sectors and the EDGES Cosmic Dawn 21-cm signal. Journal of Cosmology and Astroparticle Physics 2019, no. 11 (2019): 044.
15. Shalaby, Asmaa G. "Impact of the running gravitational constant on the extensive thermodynamics of galaxies." International Journal of Modern Physics A 34.02 (2019): 1950014.
16. Chen Ya-Fen, Cheng-Gang Qin, Yu-Jie Tan, and Cheng-Gang Shao. "Test of higher-derivative gravitational relativistic models with the gravitational inverse-square law experiments." Physical Review D 99, no. 10 (2019): 104008.
17. Sussman, Roberto A., and X. Hernandez. "Relativistic interpretation and cosmological signature of Milgrom's acceleration." arXiv preprint arXiv:1908.05412 (2019).
18. K. Dialektopoulos, Doctoral Dissertation "*Geometric Foundations of Gravity and Applications*", University of Naples "Federico II", Italy, 2019
19. Maeder, Andre, and Vesselin G. Gueorguiev. "Scale-invariant dynamics of galaxies, MOND, dark matter, and the dwarf spheroidals." Monthly Notices of the Royal Astronomical Society 492, no. 2 (2020): 2698-2708.
20. Vagnozzi, Sunny, Cosimo Bambi, and Luca Visinelli. "Concerns regarding the use of black hole shadows as standard rulers." Classical and Quantum Gravity 37, no. 8 (2020): 087001.

21. Deliduman, Cemsinan, Oğuzhan Kaşıkçı, and Barış Yapışkan. "Flat galactic rotation curves from geometry in Weyl gravity." Astrophysics and Space Science 365, no. 3 (2020): 1-11.
22. Sharma, Vipin Kumar, Bal Krishna Yadav, and Murli Manohar Verma. "Extended galactic rotational velocity profiles in f (R) gravity background." The European Physical Journal C 80, no. 7 (2020): 1-8.
23. Capozziello, Salvatore, Carlo Alberto Mantica, and Luca Guido Molinari. "General properties of $\mathbf {f (R)} $ gravity vacuum solutions." arXiv preprint arXiv:2007.13328 (2020).
24. M Sharif and M Zeeshan Gul, Noether symmetry approach in energy-momentum squared gravity, 2021 Phys. Scr. 96 025002
25. Di Virgilio, Angela D., Carlo Altucci, Francesco Bajardi, Andrea Basti, Nicolò Beverini, Salvatore Capozziello, Giorgio Carelli et al. "Sensitivity limit investigation of a Sagnac gyroscope through linear regression analysis." The European Physical Journal C 81, no. 5 (2021): 1-9.
26. Bajardi, Francesco, Daniele Vernieri, and Salvatore Capozziello. "Bouncing cosmology in f(Q) symmetric teleparallel gravity." The European Physical Journal Plus 135, no. 11 (2020): 1-14.
27. Capozziello, Salvatore, Orlando Luongo, and Lorenza Mauro. "Traversable wormholes with vanishing sound speed in f (R) gravity." The European Physical Journal Plus 136, no. 2 (2021): 1-14.
28. Barrientos, Ernesto, Tula Bernal, and Sergio Mendoza. "Non-vacuum relativistic extensions of MOND using metric theories of gravity with curvature–matter couplings and their applications to the accelerated expansion of the universe without dark components." International Journal of Geometric Methods in Modern Physics 18, no. 06 (2021): 2150086.
29. Faizal, Mir, and Hrishikesh Patel. "Probing short distance gravity using temporal lensing." International Journal of Modern Physics A 36, no. 17 (2021): 2150115.
30. Sharma, V.K. and Verma, M.M., 2022. Unified f (R) gravity at local scales. *The European Physical Journal C*, *82*(5), pp.1-14.
31. Pourhassan, B., Bhat, A., Patel, H., Faizal, M. and Mantella, N., 2022. Proposed experimental test of Randall–Sundrum models. *International Journal of Modern Physics D*, *31*(01), p.2150122.
32. Capozziello, Salvatore, Vittorio De Falco, and Carmen Ferrara. "Comparing equivalent gravities: common features and differences." *The European Physical Journal C* 82, no. 10 (2022): 1-30.
33. Bajardi, Francesco, and Salvatore Capozziello. *Noether Symmetries in Theories of Gravity: With Applications to Astrophysics and Cosmology*. Cambridge University Press, 2022.

A. Politano, I. Radovic, D. Borka, Z. L. Miškovic, H.K. Yu, D. Farías and G. Chiarello, Dispersion and damping of the interband p plasmon in graphene grown on Cu(111) foils, Carbon 114 (2017) 70-76.

цитира се у:

1. Moradi, A., 2017. Energy density and energy flow of plasmonic waves in bilayer graphene. Optics Communications, 394, pp.135-138.
2. Pham, Trung T., Nguyen Dang Nam, and Robert Sporken. "Surface morphology, structural and electronic properties of graphene on Ge (111) via direct deposition of solid-state carbon atoms." Thin Solid Films 639 (2017): 84-90.
3. Iwata, Yasushi, Takeyuki Uchida, and Nozomi Orita. "EELS imaging analysis of surface

plasmon polaritons confined in silicon cluster superlattice." In Transparent Optical Networks (ICTON), 2017 19th International Conference on, pp. 1-4. IEEE, 2017.
4. Lee, Aram, Kyoung Soon Choi, Jinheon Park, Tae Soo Kim, Jouhahn Lee, Jae-Young Choi, and Hak Ki Yu. "Graphene growth controlled by the position and number of layers (n= 0, 1, and more than 2) using Ni and MgO patterned ultra-flat Cu foil." RSC Advances 7, no. 82 (2017): 52187-52191.
5. Iurov, Andrii, Godfrey Gumbs, Danhong Huang, and Ganesh Balakrishnan. "Thermal plasmons controlled by different thermal-convolution paths in tunable extrinsic Dirac structures." Physical Review B 96, no. 24 (2017): 245403.
6. Politano A, Yu HK, Farias D, Chiarello G, Multiple acoustic surface plasmons in graphene/Cu(111) contacts, PHYSICAL REVIEW B Volume: 97 Issue: 3 (2018).
7. Despoja, V. and Marušic, L., 2018. UV active plasmons in alkali and alkaline earth intercalated graphene. PHYSICAL REVIEW B 97, 205426 (2018).
8. EELS Imaging Analysis of Surface Plasmon Polaritons Confined in Silicon Cluster Superlattice By: Iwata, Yasushi; Uchida, Takeyuki; Orita, Nozomi Book Group Author(s): IEEE Conference: 19th International Conference on Transparent Optical Networks (ICTON) Location: Girona, SPAIN Date: JUL 02-06, 2017
Sponsor(s): IEEE; IEEE Photon Soc; FYLA; OptoSigma; LIGHT TEC; Ajuntament Girona; AE Tech 2017 19TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS (ICTON)
Book Series: International Conference on Transparent Optical
Networks-ICTON Published: 2017
9. Chiun-Yan Lin, Ming-Hsun Lee, and Ming-Fa Lin, Coulomb excitations in ABC-stacked trilayer graphene, PHYSICAL REVIEW B 98, 041408(R) (2018).
10. Behnaz Rahmani Didar, Homa Khosravian and Perla B. Balbuena, Temperature effect on the nucleation of graphene on Cu (111), RSC Adv., 2018, 8, 27825.
11. Zoran Miskovic, Theoretical Modeling of Electron Energy Loss Spectroscopy of Graphene: Comparing Ab initio Calculations and Empirical Models with Experiments, Programe and book of abstracts, FIRST INTERNATIONAL CONFERENCE ON ELECTRON MICROSCOPY OF NANOSTRUCTURES, Rectorate of the University of Belgrade, Belgrade, Serbia, August 27-29, 2018
http://elmina.tmf.bg.ac.rs
12. Moradi, Afshin. "Plasmonic waves of graphene on a conducting substrate." Journal of Modern Optics 66, no. 3 (2019): 353-357.
13. Mahi R. Singh and Kevin Black, Anomalous Dipole−Dipole Interaction in an Ensemble of Quantum Emitters and Metallic Nanoparticle Hybrids, J. Phys. Chem. C 2018, 122, 26584−26591.
14. Chiun-Yan Lin, Bor-Luen Huang, Ching-Hong Ho, Godfrey Gumbs, and Ming-Fa Lin, Geometry-diversified Coulomb excitations in trilayer AAB stacking graphene, PHYSICALREVIEW B 98, 195442 (2018).
15. Chiun-Yan Lin, Jhao-Ying Wu, Chih-Wei Chiu, and Ming-Fa Lin, Coulomb excitations and decays in graphene-related systems, ArXiv1901.04160v1 (2019), CRC Press, 2019, page 1-113.
16. Zhuo, Qiqi, Yipeng Mao, Suwei Lu, Bolu Cui, Li Yu, Jijun Tang, Jun Sun, and Chao Yan. "Seed-Assisted Synthesis of Graphene Films on Insulating Substrate." Materials 12, no. 9 (2019): 1376.
17. Andrii Iurov, Godfrey Gumbs and Danhong Huang, Thermal Collective Excitations in Novel Two-Dimensional Dirac-Cone Materials, In *Nanoplasmonics*. IntechOpen, 1-25 (2020).
DOI: http://dx.doi.org/10.5772/intechopen.90870

18. Lyon, Keenan, Duncan J. Mowbray, and Zoran L. Miskovic. "Conductivity models for electron energy loss spectroscopy of graphene in a scanning transmission electron microscope with high energy resolution." Ultramicroscopy (2020): 113012.
19. Salonikios, Vasilis, Michalis Nitas, Savvas Raptis, and Traianos V. Yioultsis. "Computational Analysis of Graphene-Based Periodic Structures via a Three-Dimensional Field-Flux Eigenmode Finite Element Formulation." Progress In Electromagnetics Research 92 (2020): 157-167.
20. Ukhtary, M. Shoufie, and Riichiro Saito. "Surface plasmon in graphene and carbon nanotubes." Carbon (2020), doi: https://doi.org/10.1016/j.carbon.2020.05.019.
21. Đorđević, T., 2021. Teorijski modeli plazmona u grafenu pri interakciji sa naelektrisanim česticama (Doctoral dissertation, Univerzitet u Beogradu-Fizički fakultet).
22. Pizzocchero, F., Jessen, B.S., Gammelgaard, L., Andryieuski, A., Whelan, P.R., Shivayogimath, A., Caridad, J.M., Kling, J., Petrone, N., Tang, P.T. and Malureanu, R., 2022. Chemical Vapor-Deposited Graphene on Ultraflat Copper Foils for van der Waals Hetero-Assembly. *ACS omega*, *7*(26), pp.22626-22632.
23. Kalinić, A., Despoja, V., Radović, I., Karbunar, L. and Mišković, Z.L., 2022. Stopping and image forces acting on a charged particle moving near a graphene-Al2O3-graphene heterostructure. Physical Review B, 106(11), p.115430.

A. F. Zakharov, P. Jovanovic, D. Borka, V. Borka Jovanovic, Graviton mass evaluation with trajectories of bright stars at the Galactic Center, J. Phys.: Conf. Ser. 798, 012081-1-5 (2017). doi:10.1088/1742-6596/798/1/012081
цитира се у:
1. Alexander Zakharov, The black hole at the Galactic Center: observations and models in a nutshell, IOP Conf. Series: Journal of Physics: Conf. Series 1234567890 934 (2017) 012037.
2. A. F. Zakharov, The black hole at the Galactic Center: observations and models, International Journal of Modern Physics D 27(6),1841009 (2018).
3. A. F. Zakharov, *Constraints on alternative theories of gravity with observations of the Galactic Center*, EPJ Web Conf. 191, 01010-1-9 (2018)
4. A. F. Zakharov, Tests of gravity theories with Galactic Center observations, Int. J. Mod. Phys. D 28, 1941003-1-17 (2019)
5. Zakharov, Alexander. "Gravity theory tests with observations of stars near the black hole at the galactic center." In *Journal of Physics: Conference Series*, vol. 1390, no. 1, p. 012089. IOP Publishing, 2019.
6. Mandrik, Petr. "Top FCNC searches at HL-LHC with the CMS experiment." In *EPJ Web of Conferences*, vol. 191, p. 02009. EDP Sciences, 2018.

A. F. Zakharov, P. Jovanovic, D. Borka, V. Borka Jovanovic, Graviton mass bounds from an analysis of bright star trajectories at the Galactic Center, Baldin ISHEPP XXIII, EPJ Web of Conferences 138 , 01010 (2017).
цитира се у:
1. A. F. Zakharov, *The black hole at the Galactic Center: observations and models in a nutshell*, J. Phys.: Conf. Ser. 934, 012037-1-5 (2017)
2. A. F. Zakharov, *The black hole at the Galactic Center: observations and models*, Int. J. Mod. Phys. D 27, 1841009-1-15 (2018)
3. A. F. Zakharov, *Constraints on alternative theories of gravity with observations of the Galactic Center*, EPJ Web Conf. 191, 01010-1-9 (2018)
4. A. F. Zakharov, *Tests of gravity theories with Galactic Center observations*, Int. J. Mod. Phys. D 28, 1941003-1-17 (2019)

5. Zakharov, Alexander. "Gravity theory tests with observations of stars near the black hole at the galactic center." In *Journal of Physics: Conference Series*, vol. 1390, no. 1, p. 012089. IOP Publishing, 2019.
6. Mandal, Susobhan, and Subhashish Banerjee. "Characteristics of interaction between Gravitons and Photons." arXiv preprint arXiv:2001.10196 (2020).
7. Athira, B. S., Susobhan Mandal, and Subhashish Banerjee. "Characteristics of interaction between gravitons and photons." The European Physical Journal Plus 136, no. 4 (2021): 1-29.

V. Borka Jovanovic, D. Borka, S. M. D. Galijaš, Channeling of protons through radial deformed carbon nanotubes, Physics Letters A 381 (2017) 1687–1692,
цитира се у:
1. Feng, Jiamei, Peirong Chen, Dongqin Zheng, and Weirong Zhong. "Transport diffusion in deformed carbon nanotubes." Physica A: Statistical Mechanics and its Applications 493 (2018): 155-161.
2. Bubenchikov, M.A., Kolykhalova, O.E., Usenko, O.V., Calculation of the permeability of the stackings of multi-walled nanotubes, Vestnik Tomskogo Gosudarstvennogo Universiteta, Matematika i MekhanikaIssue 53, 2018, Pages 47-58.
3. Sava Galijaš and Goran B Poparic, Evaluation of electron capture distances of the Rydberg ion-surface interactions, 2018 Phys. Scr. Vol.94, Num. 2, https://doi.org/10.1088/1402-4896/aaf1ef
4. G. Ijeomah, F. Samsuri, F. Obite and M.A. Zawawi, Theoretical Modelling of Charge Transport Properties of Individual Single-Wall Carbon Nanotubes, INTERNATIONAL JOURNAL OF ENGINEERING TECHNOLOGY AND SCIENCES (IJETS)
ISSN: 2289-697X (Print); ISSN: 2462-1269 (Online) Vol.5 (3) December 2018
5. Matyukhin, S. I., and S. Yu Grishina. "Best Conditions for an Ionic Implantation of Particles into Carbon Nanotubes with Usage the Channeling Effect." In 2021 IEEE 4th International Conference on Nanoscience and Technology (ICNST), pp. 9-13. IEEE, 2021.

A. F. Zakharov, P. Jovanović, D. Borka, V. Borka Jovanović, Different ways for graviton mass evaluations, Proceedings of the 52nd Rencontres de Moriond (Gravitation Session), Eds. E. Auge, J. Dumarchez, J. Tran Thahn Van, (ARISF), La Thuile, Italy, March 25 - April 1, p. 247-250 (2017).
цитира се у:
1. A. F. Zakharov, *Constraints on alternative theories of gravity with observations of the Galactic Center*, EPJ Web Conf. 191, 01010-1-9 (2018)

I Radović, YH Song, YY Zhang, D Borka, ZL Mišković, Excitation of plasmon wakes in two-dimensional electron systems by moving external charged particles, Radiation Effects and Defects in Solids 172 (1-2), 90-99
цитира се у:
1. Kalinić, Ana, Ivan Radović, Lazar Karbunar, Vito Despoja, and Zoran L. Mišković. "Wake effect in interactions of ions with graphene-sapphire-graphene composite system." Physica E: Low-dimensional Systems and Nanostructures 126 (2021): 114447.

D. Borka, P. Jovanović, V. Borka Jovanović and S. Capozziello, CONSTRAINTS ON f (R, φ) (SANDERS-LIKE) GRAVITY POTENTIAL FROM ORBIT OF S2 STAR, Publ.

Astron. Obs. Belgrade No. 96 (2017), 205 – 210
цитира се у:
1. Taşer, Doğukan, Melis Ulu Doğru, and Hüseyin Aydın. "Kantowski-Sachs model in non-minimally coupled scalar theory." International Journal of Geometric Methods in Modern Physics 19, no. 9 (2022): 2250143-144.

Radovi 2018.

A. F. Zakharov, P. Jovanovic, D. Borka, V. Borka Jovanovic, Different ways to estimate graviton mass, Proceedings of the XXXI International Workshop on High Energy Physics, Protvino, Russia, July 5-7, 2017, Int. J. Mod. Phys. Conf. Ser. 47, 1860096-1-7 (2018).
цитира се у:
1. A. F. Zakharov, The black hole at the Galactic Center: observations and models, International Journal of Modern Physics D 27(6),1841009 (2018).
2. A. F. Zakharov, *Constraints on alternative theories of gravity with observations of the Galactic Center*, EPJ Web Conf. 191, 01010-1-9 (2018).
3.. A. F. Zakharov, Tests of gravity theories with Galactic Center observations, Int. J. Mod. Phys. D 28, 1941003-1-17 (2019).
4. Rana, Akshay, Deepak Jain, Shobhit Mahajan, and Amitabha Mukherjee. "Bounds on graviton mass using weak lensing and SZ effect in galaxy clusters." *Physics Letters B* 781 (2018): 220-226.
5. Mandrik, Petr. "Top FCNC searches at HL-LHC with the CMS experiment." In *EPJ Web of Conferences*, vol. 191, p. 02009. EDP Sciences, 2018.
6. Inagaki, Tomohiro, and Masahiko Taniguchi. "Gravitational waves in modified Gauss–Bonnet gravity." *International Journal of Modern Physics D* 29, no. 10 (2020): 2050072.
7. Athira, B. S., Susobhan Mandal, and Subhashish Banerjee. "Characteristics of interaction between gravitons and photons." *The European Physical Journal Plus* 136, no. 4 (2021): 1-29.
8. Wystub, Stephan, J. Schaffner-Bielich, J. Christian, and Y. Dengler. "Constraining exotic compact stars composed of bosonic and fermionic dark matter with gravitational wave events." arXiv preprint arXiv:2110.12972 (2021).
9. Afshar, B., N. Riazi, and H. Moradpour. "Pole inflation in dRGT theory." arXiv preprint arXiv:2110.02278 (2021).
10. Afshar, B., Riazi, N. and Moradpour, H., 2022. A note on inflation in dRGT massive gravity. *The European Physical Journal C*, *82*(5), pp.1-11.

A. F. Zakharov, P. Jovanović, D. Borka and V. Borka Jovanović, Constraining the range of Yukawa gravity interaction from S2 star orbits III: improvement expectations for graviton mass bounds, Journal of Cosmology and Astroparticle Physics 04 (2018) 050.
цитира се у:
1. I. De Martino, R. Lazkoz, M. De Laurentis, Analysis of the Yukawa gravitational potential in f(R) gravity I: semiclassical periastron advance, Physical Review D 97(10), 104067 (2018).

2. M. De Laurentis, I. De Martino, R. Lazkoz, Analysis of the Yukawa gravitational potential in f (R) gravity II: relativistic periastron advance, Physical Review D, 97(10),104068 (2018).
3. A. F. Zakharov, *Constraints on alternative theories of gravity with observations of the Galactic Center*, EPJ Web Conf. 191, 01010-1-9 (2018)
4. Alexander F. Zakharov, Constraints on tidal charge of the supermassive black hole at the Galactic Center with trajectories of bright stars, Eur. Phys. J. C (2018) 78:689.
5. Rong-Gen Cai, Tong-Bo Liu, and Shao-Jiang Wang, The GWs from the S-stars revolving around the SMBH at Sgr A*, arXiv:1808.03164 [astro-ph.GA] (Avgust 2018).
6. Mariafelicia De Laurentis, Ivan De Martino and Ruth Lazkoz, Modified gravity revealed along geodesic tracks, Eur. Phys. J. C 2018. 78:916.
7. Gupta, S., Desai, S., Limit on graviton mass using stacked galaxy cluster catalogs from SPT-SZ, Planck-SZ and SDSS-redMaPPer, 2018, Annals of Physics 399, pp. 85-92.
8.. A. F. Zakharov, Tests of gravity theories with Galactic Center observations, Int. J. Mod. Phys. D 28, 1941003-1-17 (2019).
9. Martz, C., Van Middelkoop, S., Gkigkitzis, I., Haranas, I., & Kotsireas, I. (2019). Yukawa Potential Orbital Energy: Its Relation to Orbital Mean Motion as well to the Graviton Mediating the Interaction in Celestial Bodies. *Advances in Mathematical Physics 2019, 6765827-1-10 (2019).*
10. Amorim, António, Michael Bauböck, Myriam Benisty, Jean-Philippe Berger, Yann Clénet, Vincent Coude du Foresto, Tim de Zeeuw et al. "Scalar field effects on the orbit of S2 star." , *Monthly Notices of the Royal Astronomical Society* 489, no. 4 (2019): 4606-4621.
11. Zakharov, Alexander. "Gravity theory tests with observations of stars near the black hole at the galactic center." In *Journal of Physics: Conference Series*, vol. 1390, no. 1, p. 012089. IOP Publishing, 2019.
12. Zakharov, Alexander F. "CONSTRAINTS ON GRAVITON MASS AND A TIDAL CHARGE WITH OBSERVATIONS OF THE GALACTIC CENTER." Proceedings of the 54 th RENCONTRES DE MORIOND Gravitation 2019, Editors: Étienne Augé Jacques Dumarchez and Jean Trân Thanh Vân: 85-89. (2019)
13. A. Hees, T. Do, B. M. Roberts, A. M. Ghez, S. Nishiyama, R. O. Bentley, A. K. Gautam, S. Jia, T. Kara, J. R. Lu, H. Saida, S. Sakai, M. Takahashi, and Y. Takamori, Search for a Variation of the Fine Structure Constant around the Supermassive Black Hole in Our Galactic Center, Phys. Rev. Lett. 124, 081101 – Published 26 February 2020
14. Capozziello, Salvatore, Maurizio Capriolo, and Loredana Caso. Weak field limit and gravitational waves in f (T, B) teleparallel gravity. The European Physical Journal C 80, no. 2 (2020): 1-11.
15. R. I. Gainutdinov, “PPN motion of the S-stars around Sgr A”- arXiv preprint arXiv:2002.12598, 2020; Astrophysics, volume 63, pages 470–481 (2020)
16. Zakharov, A. F. "Tests of Gravitational Theories with Observations of the Galactic Center and the Center of the Galaxy M87." *Physics of Particles and Nuclei* 51, no. 4 (2020): 750-756.
17. Zakharov, Alexander F. "Tests of Gravity Theories with Black Hole Observations." Publ. Astron. Obs. Belgrade No. 100 (2021), 43 - 53
18. Zakharov, A.F., 2022. Testing the Galactic Centre potential with S-stars. *Monthly Notices of the Royal Astronomical Society: Letters*, *513*(1), pp.L6-L9.
19. Zakharov, Alexander F. "CONSTRAINTS ON GRAVITY THEORIES WITH OBSERVATIONS OF GALACTIC CENTER AND THE CENTER OF M87 GALAXY." In PARTICLE PHYSICS at the Year of 150th Anniversary of the Mendeleev’s Periodic Table of Chemical Elements: Proceedings of the Nineteenth Lomonosov Conference on Elementary Particle Physics, pp. 406-412. 2021.

20. D'Addio, Anna. "S-star dynamics through a Yukawa–like gravitational potential." Physics of the Dark Universe 33 (2021): 100871.
21. Garattini, Remo. "Yukawa–Casimir wormholes." The European Physical Journal C 81, no. 9 (2021): 1-14.
22. Lalremruati, P. C., and Sanjeev Kalita. "Is It Possible to See the Breaking Point of General Relativity near the Galactic Center Black Hole? Consideration of Scalaron and Higher-dimensional Gravity." The Astrophysical Journal 925, no. 2 (2022): 126.
23. Dong, Yiming, Lijing Shao, Zexin Hu, Xueli Miao, and Ziming Wang. "Prospects for constraining the Yukawa gravity with pulsars around Sagittarius A." Journal of Cosmology and Astroparticle Physics 2022, no. 11 (2022): 051.
24. Zakharov, A. F. "Orbits of Bright Stars Near the Galactic Center as a Tool to Test Gravity Theories." *Moscow University Physics Bulletin* 77, no. 2 (2022): 341-348.
25. Jawad, Abdul, M. Sulehri, and Shamaila Rani. "Physical analysis of Yukawa–Casimir traversable wormhole solutions in non-minimally coupled f (T) gravity." The European Physical Journal Plus 137, no. 11 (2022): 1-18.
26. de Laurentis, Mariafelicia, Ivan De Martino, and Riccardo Della Monica. "The Galactic Center as a laboratory for theories of gravity and dark matter." *arXiv preprint arXiv:2211.07008* (2022).

Tijana Djordjević, Ivan Radovića, Vito Despoja, Keenan Lyon, Duško Borka, Zoran L. Mišković, Analytical modeling of electron energy loss spectroscopy of graphene: Ab initio study versus extended hydrodynamic model, Ultramicroscopy 184 (2018) 134–142.
цитира се у:

1. Lyon, K., D. J. Mowbray, and Z. L. Miskovic. "Modelling relativistic effects in momentum-resolved electron energy loss spectroscopy of graphene." Radiation Effects and Defects in Solids 173, no. 1-2 (2018): 8-21.
2. Zoran Miskovic, Theoretical Modeling of Electron Energy Loss Spectroscopy of Graphene: Comparing Ab initio Calculations and Empirical Models with Experiments, Programe and book of abstracts, FIRST INTERNATIONAL CONFERENCE ON ELECTRON MICROSCOPY OF NANOSTRUCTURES, Rectorate of the University of Belgrade, Belgrade, Serbia, August 27-29, 2018
http://elmina.tmf.bg.ac.rs
3. Kamran Akbari, Silvina Segui, Juana Gervasoni, Zoran L. Mišković and Nestor R. Arista, Energy losses and transition radiation in graphene traversed by a fast charged particle under oblique incidence, Phys. Rev. B 98, 195410, November 2018.
4. Miskovic, Zoran L., and Kamran Akbari. "Plasmon Excitation and Transition Radiation in Graphene Traversed by a Fast Charged Particle." In *2018 18th International Symposium on Antenna Technology and Applied Electromagnetics (ANTEM)*, pp. 1-2. IEEE, 2018.
5. Li, C. Z., Na, S. R., Jian, Y. Y., Wang, Y. N., & Mišković, Z. L. (2019). Interactions of the external charged particle beams with double-layer two-dimensional electron gases separated by insulating medium. Radiation Effects and Defects in Solids, 174(1-2), 19-30.
6. Vito Despoja, Ivan Radović, Lazar Karbunar, Ana Kalinić, and Zoran L. Mišković, Wake potential in graphene-insulator-graphene composite systems, PHYSICAL REVIEW B 100, 035443 (2019).
7. Kamran Akbari, Relativistic Theory of the Interaction of Two-Dimensional Materials with Moving Charged Particles, PhD thesis, University of Waterloo, Waterloo, Ontario, Canada, 2019.
8. Z. L. Miskovic, Energy losses and transition radiation produced by the interaction of fast

charged particles with two-dimensional materials, The Seventh International School and Conference on Photonics, 26 August – 30 August 2019, Belgrade, Serbia, page 27.
9. Keenan Lyon Kamran, Akbari Zoran L. Miskovic, Relativistic effects in the interaction of fast charged particles with graphene January 2020 Radiation Effects and Defects in Solids 175(1-2): 84-93
10. Lyon, Keenan, Duncan J. Mowbray, and Zoran L. Miskovic. "Conductivity models for electron energy loss spectroscopy of graphene in a scanning transmission electron microscope with high energy resolution." Ultramicroscopy (2020): 113012.
11. Đorđević, T., 2021. Teorijski modeli plazmona u grafenu pri interakciji sa naelektrisanim česticama (Doctoral dissertation, Univerzitet u Beogradu-Fizički fakultet).
12. Preciado Rivas, Maria Rosa, Milad Moshayedi, and Zoran L. Mišković. "On the role of the energy loss function in the image force on a charge moving over supported graphene." Journal of Applied Physics 130, no. 17 (2021): 173103.
13. Akbari, K. and Mišković, Z.L., 2022. Directional effects in plasmon excitation and transition radiation from an anisotropic 2D material induced by a fast charged particle. *Nanoscale*, *14*(13), pp.5079-5093.
14. Mišković, Zoran L., Kamran Akbari, Silvina Segui, Juana L. Gervasoni, and Néstor R. Arista. "Relativistic energy-momentum transfer and electromagnetic conservation laws in the interaction of moving charged particles with two-dimensional materials." Physical Review B 105, no. 4 (2022): 045408.
15. Preciado Rivas María Rosa. "Theoretical Description of the Forces on a Point Charge Moving Parallel to a Supported Two-dimensional Material." Master's thesis, University of Waterloo, 2022.
16. Kalinić, A., Despoja, V., Radović, I., Karbunar, L. and Mišković, Z.L., 2022. Stopping and image forces acting on a charged particle moving near a graphene-Al2O3-graphene heterostructure. Physical Review B, 106(11), p.115430.

Jelena B Maljkovic, Duško Borka, Miloš L Rankovic, Bratislav P Marinkovic, Aleksandar R Milosavljevic, Christoph Lemell, Tőkési Károly, Electron transmission through a steel capillary, Nucl. Instrum. Meth. B 423 (2018) 87-91.
цитира се у:
1. Mironov, B. N., S. A. Aseyev, and S. V. Chekalin. "Ion transmission through a dielectric hollow tip for scanning probe microscopy." Micron 116 (2019): 61-65.

D. Borka, J. Tóth, K. Tőkési, Backscattered electron spectra from graphite, Physics Letters A 382 (2018) 2470–2474.
цитира се у:
1. Utomo, Satryo B., Agung S. Widodo, and I. N. G. Wardana. "Effect of Limited Migration of Graphite and Sea Water Electron as a Sensor to Control DC Voltage Regulator (CVR)." In IOP Conference Series: Materials Science and Engineering, vol. 494, no. 1, p. 012038. IOP Publishing, 2019.
2. Utomo, Satryo B., Agung S. Widodo, and I. N. G. Wardana. "The Role of Mineral Sea Water Bonding Process with Graphite-Aluminum Electrodes as Electric Generator." The Scientific World Journal (2019).

S. Capozziello, D. Borka, V. Borka Jovanović, P. Jovanović, Galactic structures from gravitational radii, Galaxies 6, 22-1-8 (2018).
цитира се у:
1. Sharma, Vipin Kumar, Bal Krishna Yadav, and Murli Manohar Verma. "Light deflection angle through velocity profile of galaxies in f (R) model." *The European Physical Journal C* 81, no. 2 (2021): 1-7.

V. Borka Jovanović, P. Jovanović, D. Borka, S. Capozziello, Tests of gravity at galactic and extragalactic scales: theory vs observations, Publ. Astron. Obs. Belgrade 98, 11-20 (2018).
цитира се у:
1. N. Todorović, I. Milić Žitnik, The Astronomical Observatory in Belgrade - then and now, Romanian Astron. J. 29, 167-176 (2019)

Radovi 2019.

V. Borka Jovanović, P. Jovanović, D. Borka, S. Capozziello, S. Gravina, A. D'Addio, Constraining Scalar-Tensor gravity models by S2 star orbits around the Galactic Center, 2019, arXiv e-prints (Facta Univeritatis)
цитира се у:
1. Amorim, António, Michael Bauböck, Myriam Benisty, Jean-Philippe Berger, Yann Clénet, Vincent Coude du Foresto, Tim de Zeeuw et al. "Scalar field effects on the orbit of S2 star." , *Monthly Notices of the Royal Astronomical Society* 489, no. 4 (2019): 4606-4621.
2. Capozziello, S. and Bajardi, F., 2022. Nonlocal gravity cosmology: An overview. *International Journal of Modern Physics D*, *31*(06), p.2230009.
3. Bajardi, Francesco, and Salvatore Capozziello. Noether Symmetries in Theories of Gravity: With Applications to Astrophysics and Cosmology. Cambridge University Press, 2022.

K. F. Dialektopoulos, D. Borka, S. Capozziello, V. Borka Jovanović, P. Jovanović, Constraining non-local gravity by S2 star orbits, Phys. Rev. D, 99(4),044053 (2019).
цитира се у:
1. Amorim, António, Michael Bauböck, Myriam Benisty, Jean-Philippe Berger, Yann Clénet, Vincent Coude du Foresto, Tim de Zeeuw et al. "Scalar field effects on the orbit of S2 star." , *Monthly Notices of the Royal Astronomical Society* 489, no. 4 (2019): 4606-4621.
2. Nojiri, Shin'ichi, S. D. Odintsov, and V. K. Oikonomou. "Ghost-free non-local F (R) gravity cosmology." Physics of the Dark Universe (2020): 100541.
3. Master thesis of Mattia Migliozzi. "Non-local Gravity and Cosmology from Noether Symmetries." SCUOLA DI SCIENZE, Dipartimento di Fisica e AstronomiaCorso di Laurea Magistrale in Fisica, Universit`a di Bologna (2019)
4. Komarov, S., and A. Gorbatsievich. "Reconstruction of relative motion of a binary star in the vicinity of black hole by its redshift." International Journal of Modern Physics A 35, no. 02n03 (2020): 2040052.
5. Dey, Dipanjan, Rajibul Shaikh, and Pankaj S. Joshi. "Perihelion Precession and Shadows near Blackholes and Naked Singularities." arXiv preprint arXiv:2003.06810 (2020).

6. R. I. Gainutdinov, “PPN motion of the S-stars around Sgr A”- arXiv preprint arXiv:2002.12598, 2020; Astrophysics volume 63, pages 470–481 (2020)
7. Capozziello, Salvatore, Maurizio Capriolo, and Shin'ichi Nojiri. "Considerations on gravitational waves in higher-order local and non-local gravity." Physics Letters B (2020): 135821.
8. Capozziello, Salvatore, Mir Faizal, Mir Hameeda, Behnam Pourhassan, and Vincenzo Salzano. "Logarithmic corrections to Newtonian gravity and large scale structure." *The European Physical Journal C* 81, no. 4 (2021): 1-19.
9. Hameeda, M., B. Pourhassan, M. C. Rocca, and Aram Bahroz Brzo. "Two approaches that prove divergence free nature of non-local gravity." The European Physical Journal C 81, no. 2 (2021): 1-11.
10. Capozziello, Salvatore, and Maurizio Capriolo. "Gravitational waves in non-local gravity." Classical and Quantum Gravity 38, no. 17 (2021): 175008.
11. Alvarado, Carlos Aráoz, and Celia Escamilla-Rivera. "Modified Yang-Lee theory for nonlocal gravitational potential and their phase transition." arXiv preprint arXiv:2112.07600 (2021).
12. Dimitrijevic, Ivan, Branko Dragovich, Zoran Rakic, and Jelena Stankovic. "New Cosmological Solutions of a Nonlocal Gravity Model." Symmetry 14, no. 1 (2021): 3.
13. Capozziello, S. and Bajardi, F., 2022. Nonlocal gravity cosmology: An overview. *International Journal of Modern Physics D*, *31*(06), p.2230009.
14. Acunzo, A., Bajardi, F. and Capozziello, S., 2022. Non-local curvature gravity cosmology via Noether symmetries. *Physics Letters B*, *826*, p.136907.
15. Addazi, A., J. Alvarez-Muniz, R. Alves Batista, G. Amelino-Camelia, V. Antonelli, M. Arzano, M. Asorey et al. "Quantum gravity phenomenology at the dawn of the multi-messenger era—A review." Progress in Particle and Nuclear Physics (2022): 103948.
16. Benisty, David, and Anne-Christine Davis. "Dark energy interactions near the Galactic Center." Physical Review D 105, no. 2 (2022): 024052.
17. Bouchè, F., Capozziello, S., Salzano, V. and Umetsu, K., 2022. Testing non-local gravity by clusters of galaxies. *arXiv preprint arXiv:2205.03216*.
18. Benisty, D., 2022. Testing modified gravity via Yukawa potential in two body problem: Analytical solution and observational constraints. *Physical Review D*, *106*(4), p.043001.
19. de Laurentis, Mariafelicia, Ivan De Martino, and Riccardo Della Monica. "The Galactic Center as a laboratory for theories of gravity and dark matter." *arXiv preprint arXiv:2211.07008* (2022).
20. Capozziello, Salvatore, and Nisha Godani. "Non-local gravity wormholes." *Physics Letters B* 835 (2022): 137572.
21. Bouché, Filippo, Salvatore Capozziello, and Vincenzo Salzano. "Addressing Cosmological Tensions by Non-Local Gravity." *Universe* 9, no. 1 (2023): 27.
22. Bagat, Hilal Ahmad, Mir Hameeda, and Prince A. Ganai. "Study of galaxy clustering (thermodynamics) through different approaches using modified Yukawa potential." Modern Physics Letters A 37, no. 27 (2022): 2250185.

D. Borka, V. Borka Jovanović, Channeling of protons through radial deformed double wall carbon nanotubes, Atoms 7, 88-1-14 (2019).
цитира се у:
1. Dedkov, George V. "Van der Waals Interactions of Moving Particles with Surfaces of Cylindrical Geometry." *Universe* 7, no. 4 (2021): 106.
2. Korol, A. and Solov’yov, A.V., 2022. Channeling Phenomenon and Channeling Radiation.

In Novel Lights Sources Beyond Free Electron Lasers (pp. 57-103). Springer, Cham.

V. Borka Jovanović, P. Jovanović, D. Borka and S. Capozziello, Fundamental Plane of Elliptical Galaxies and f(R) Gravity: The Role of Luminosity, Atoms 7(1) 4, 2019.
цитира се у:
1. Bajardi, Francesco, Daniele Vernieri, and Salvatore Capozziello. "Bouncing cosmology in f (Q) symmetric teleparallel gravity." *The European Physical Journal Plus* 135, no. 11 (2020): 1-14.

Radovi 2020.

S. Capozziello, V. Borka Jovanović, D. Borka and P. Jovanović, "Constraining theories of gravity by fundamental plane of elliptical galaxies", Physics of the Dark Universe 29 100573-1–9 (2020).
цитира се у:
1. Buoninfante Luca, and Breno L. Giacchini. "Light bending by a slowly rotating source in quadratic theories of gravity." Physical Review D 102, no. 2 (2020): 024020.
2. Capozziello, Salvatore, Carlo Alberto Mantica, and Luca Guido Molinari. "General properties of f (R) gravity vacuum solutions." International Journal of Modern Physics D (2020).
3. Francesco, B. and Salvatore, C., 2020. f (G) Noether cosmology. The European Physical Journal. C, Particles and Fields., 80(8).
4. Bajardi, Francesco, and Salvatore Capozziello. "$$ f (\mathcal {G}) $$ f (G) Noether cosmology." The European Physical Journal C 80, no. 8 (2020): 1-12.
5. De Falco, Vittorio, Emmanuele Battista, Salvatore Capozziello, and Mariafelicia De Laurentis. "Reconstructing wormhole solutions in curvature based Extended Theories of Gravity." The European Physical Journal C 81, no. 2 (2021): 1-9.
6. Barrientos, Ernesto, Tula Bernal, and Sergio Mendoza. "Non-vacuum relativistic extensions of MOND using metric theories of gravity with curvature–matter couplings and their applications to the accelerated expansion of the universe without dark components." International Journal of Geometric Methods in Modern Physics 18, no. 06 (2021): 2150086.
7. Faizal, Mir, and Hrishikesh Patel. "Probing short distance gravity using temporal lensing." International Journal of Modern Physics A (2021): 2150115.
8. Capozziello, Salvatore, Carlo Alberto Mantica, and Luca Guido Molinari. "General properties of $\mathbf {f (R)} $ gravity vacuum solutions." arXiv preprint arXiv:2007.13328 (2020).
9. Pourhassan, B., Bhat, A., Patel, H., Faizal, M. and Mantella, N., 2022. Proposed experimental test of Randall–Sundrum models. International Journal of Modern Physics D, 31(01), p.2150122.
10. Jawad, Abdul, M. Sulehri, and Shamaila Rani. "Physical analysis of Yukawa–Casimir traversable wormhole solutions in non-minimally coupled f (T) gravity." The European Physical Journal Plus 137, no. 11 (2022): 1-18.

Jovanović, P., Borka Jovanović, V., Borka, D. & Popović, L. Č. Possible observational

signatures of supermassive black hole binaries in their Fe Kα line profiles. Contrib. Astron. Observatory Skalnate Pleso 50, 219–234 (2020).
цитира се у:

1. Gandhi, P., Kawamuro, T., Díaz Trigo, M., Paice, J.A., Boorman, P.G., Cappi, M., Done, C., Fabian, A.C., Fukumura, K., García, J.A. and Greenwell, C.L., 2022. Frontiers in accretion physics at high X-ray spectral resolution. Nature Astronomy, 6(12), pp.1364-1375.

Radovi 2021.

D. Borka, V. Borka Jovanović, S. Capozziello, A. F. Zakharov, P. Jovanović; Estimating the Parameters of Extended Gravity Theories with the Schwarzschild Precession of S2 Star; Universe 7, 407-1-18 (2021).
цитира се у:

1. Zakharov, Alexander F. "Constraints on a tidal charge of the supermassive black hole in M87* with the EHT observations in April 2017." Universe 8, no. 3 (2022): 141.
2. Della Monica, Riccardo, and Ivan de Martino. "Unveiling the nature of SgrA* with the geodesic motion of S-stars." Journal of Cosmology and Astroparticle Physics 2022, no. 03 (2022): 007.
3. Yan, Jian-Ming, Qiang Wu, Cheng Liu, Tao Zhu, and Anzhong Wang. "Constraints on self-dual black hole in loop quantum gravity with S0-2 star in the Galactic Center." arXiv preprint arXiv:2203.03203 (2022).
4. Vagnozzi, S., Roy, R., Tsai, Y.D. and Visinelli, L., 2022. Horizon-scale tests of gravity theories and fundamental physics from the Event Horizon Telescope image of Sagittarius A $^* $. arXiv preprint arXiv:2205.07787.
5. Alexeyev, S. and Prokopov, V., 2022. Extended Gravity Constraints at Different Scales. Universe, 8(5), p.283.
6. de Laurentis, Mariafelicia, Ivan De Martino, and Riccardo Della Monica. "The Galactic Center as a laboratory for theories of gravity and dark matter." *arXiv preprint arXiv:2211.07008* (2022).
7. Lalremruati, P. C., and Sanjeev Kalita. "Effect of Dark Matter Distribution on Scalaron Gravity near the Galactic Center Black Hole and Its Prospects." *The Astrophysical Journal* 941, no. 2 (2022): 183.

D. Borka, V. Borka Jovanović; Guiding of protons through radially deformed triple-wall carbon nanotubes; Eur. Phys. J. D 75, 50-1-9; 2021.
цитира се у:

1. Matyukhin, S. I., and S. Yu Grishina. "Best Conditions for an Ionic Implantation of Particles into Carbon Nanotubes with Usage the Channeling Effect." In 2021 IEEE 4th International Conference on Nanoscience and Technology (ICNST), pp. 9-13. IEEE, 2021.

P. Jovanović, D. Borka, V. Borka Jovanović, A. F. Zakharov, Influence of bulk mass distribution on orbital precession of S2 star in Yukawa gravity, Eur. Phys. J. D 75, 145-1-7 (2021) .

цитира се у:

1. Chan, M.H., Lee, C.M. and Yu, C.W., 2022. Investigating the nature of mass distribution surrounding the Galactic supermassive black hole. *Scientific Reports*, *12*(1), pp.1-7.
2. Dong, Yiming, Lijing Shao, Zexin Hu, Xueli Miao, and Ziming Wang. "Prospects for constraining the Yukawa gravity with pulsars around Sagittarius A." Journal of Cosmology and Astroparticle Physics 2022, no. 11 (2022): 051.
3. Zakharov, A. F. "Orbits of Bright Stars Near the Galactic Center as a Tool to Test Gravity Theories." *Moscow University Physics Bulletin* 77, no. 2 (2022): 341-348.
4. Lalremruati, P. C., and Sanjeev Kalita. "Effect of Dark Matter Distribution on Scalaron Gravity near the Galactic Center Black Hole and Its Prospects." *The Astrophysical Journal* 941, no. 2 (2022): 183.
5. Chan, M.H. and Lee, C.M., 2022. Crossing the dark matter soliton core: A possible reversed orbital precession. *Physical Review D*, *106*(12), p.123018.

Radovi 2022.

D. Borka, V. Borka Jovanović, V. N. Nikolić, N. Đ. Lazarov, P. Jovanović, Estimating the Parameters of the Hybrid Palatini Gravity Model with the Schwarzschild Precession of S2, S38 and S55 Stars: Case of Bulk Mass Distribution, Universe 8 (2), 70 (2022).
цитира се у:

1. Stavrinos, P. and Saridakis, E., 2022. Editorial of Modified Theories of Gravity and Cosmological Applications. Universe 2022, 8, 415.

Duško Borka, Vesna Borka Jovanović, Salvatore Capozziello, Predrag Jovanović, Velocity distribution of elliptical galaxies in the framework of Non-local Gravity model, Advances in Space Research 2022.
цитира се у:

1. Bouché, Filippo, Salvatore Capozziello, and Vincenzo Salzano. "Addressing Cosmological Tensions by Non-Local Gravity." Universe 9, no. 1 (2023): 27.