

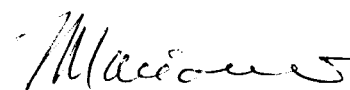
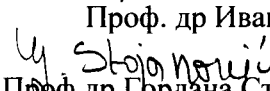
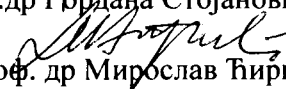
Примљено				03.10.2022.	
Орг. јед.	Бр.	Година	Број	Вредност	
01	1097	6			

На основу члана 121 Статута ПМФ-а одређени смо одлуком декана бр. 202/2-01 за чланове комисије за категоризацију радова M21A, M21, M22 и M23 пријављених кандидата за избор наставника. На основу приложене документације подносимо следећи извештај

Кандидат	Бр. радова M21A	Бр. радова M21	Бр. радова M22	Бр. радова M23	Укупно поена
Ана Манчић	4	12	7	2	177

У прилогу се налазе бодовани радови.

У Нишу, 03. октобар 2022.

  
Проф. др Иван Манчев  
  
Проф. др Гордана Стојановић  
  
Проф. др Мирослав Ђирић

**Радови објављени у међународним часописима изузетних вредности M21a:**

1. P. Antici, J. Fuchs, M. Borghesi, L. Gremillet, T. Grismayer, Y. Sentoku, E. d'Humières, C. A. Cecchetti, **A. Mančić**, A. C. Pipahl, T. Toncian, O. Willi, P. Mora, and P. Audebert, “*Hot and Cold Electron Dynamics Following High-Intensity Laser Matter Interaction*”, Phys. Rev. Lett. **101**, 105004 (2008), <https://doi.org/10.1103/PhysRevLett.101.105004>
2. **A. Mančić**, A. Levy, M. Harmand, M. Nakatsutsumi, P. Antici, P. Audebert, P. Combis, S. Fourmaux, S. Mazevet, O. Peyrusse, V. Recoules, P. Renaudin, J. Robiche, F. Dorchie, and J. Fuchs, “*Picosecond Short-Range disordering in Isochorically Heated Aluminum at Solid Density*”, Phys. Rev. Lett. **104**, 035002 (2010), <https://doi.org/10.1103/PhysRevLett.104.035002>
3. L. Lancia, J. R. Marquès, M. Nakatsutsumi, C. Riconda, S. Weber, S. Hüller, **A. Mančić**, P. Antici, V. T. Tikhonchuk, A. Héron, P. Audebert, and J. Fuchs, “*Experimental evidence of short light pulse amplification using strong-coupling stimulated Brillouin scattering in the pump depletion regime*”, Phys. Rev. Lett. **104**, 025001 (2010), <https://doi.org/10.1103/PhysRevLett.104.025001>
4. S. Buffechoux, J. Psikal, M. Nakatsutsumi, L. Romagnani, A. Andreev, K. Zeil, M. Amin, P. Antici, T. Burris-Mog, A. Compant La Fontaine, E. d'Humières, S. Fourmaux, S. Gaillard, F. Gobet, F. Hannachi, S. Kraft, **A. Mančić**, C. Plaisir, G. Sarri, M. Tarisien, T. Toncian, U. Schramm, M. Tampo, P. Audebert, O. Willi, T. E. Cowan, H. Pépin, V. Tikhonchuk, M. Borghesi, and J. Fuchs, “*Hot-electrons transverse refluxing in ultraintense laser-solid interactions*”, Phys. Rev. Lett. **105**, 015005 (2010), <https://doi.org/10.1103/PhysRevLett.105.015005>

**Радови објављени у врхунским међународним часописима M21:**

5. **A. Mančić**, Lj. Hadžievski, and M. M. Škoric, “*Dynamics of electromagnetic solitons in a relativistic plasma*”, Phys. Plasmas **13**, 052309 (2006), <http://dx.doi.org/10.1063/1.2203606>
6. J. Badziak, S. Jabłoński, P. Parys, M. Rosiński, J. Wołowski, A. Szydłowski, P. Antici, J. Fuchs, and **A. Mančić**, “*Ultraintense proton beams from laser-induced skin-layer ponderomotive acceleration*”, J. Appl. Phys. **104**, 063310 (2008), <http://dx.doi.org/10.1063/1.2981199>
7. A. Lévy, F. Dorchie, M. Harmand, C. Fourment, S. Hulin, O. Peyrusse, J. J. Santos, P. Antici, P. Audebert, J. Fuchs, L. Lancia, **A. Mančić**, M. Nakatsutsumi, S. Mazevet, V. Recoules, P. Renaudin, and S. Fourmaux, “*X-ray absorption for the study of warm dense matter*”, Plasma Phys. Contr. F. **51**, 124021 (2009), <https://doi.org/10.1088/0741-3335/51/12/124021>
8. **A. Szydłowski**, J. Badziak, J. Fuchs, M. Kubkowska, P. Parys, M. Rosinski, R. Suchanska, J. Wołowski, P. Antici, **A. Mančić**, “*Application of solid-state nuclear track detectors of the CR-39/PM-355 type for measurements of energetic*

- protons emitted from plasma produced by an ultra-intense laser”, *Radiation Measurements* **44**, 881 (2009), <https://doi.org/10.1016/j.radmeas.2009.08.008>
9. J. Badziak, S. Jablonski, P. Parys, A. Szydlowski, J. Fuchs and A. Mančić, “Production of high-intensity proton fluxes by a 2wNd:glass laser beam”, *Laser Part. Beams* **28**, 575 (2010), <https://doi.org/10.1017/S0263034610000649>
  10. P. Antici, A. Mančić, M. Nakatsutsumi, P. Audebert, E. Brambrink, S. Gaillard, W. Nazarov, and J. Fuchs, “Test of proton laser-acceleration using circular laser polarization, foams and half gas-bag targets”, *Plasma Phys. Contr. F.* **53**, 014002 (2011), <https://doi.org/10.1088/0741-3335/53/1/014002>
  11. P. Antici, B. Albertazzi, P. Audebert, S. Buffechoux, F. Hannachi, E. d'Humieres, F. Gobet, T. Grismayer, A. Mančić, M. Nakatsutsumi, C. Plaisir, L. Romagnani, M. Tarisien, H. Pepin, Y. Sentoku, and J. Fuchs, “Measuring hot electron distributions in intense laser interaction with dense matter”, *New J. Phys.* **14**, 063023 (2012), <https://doi.org/10.1088/1367-2630/14/6/063023>
  12. P. Antici, L. Gremillet, T. Grismayer, P. Mora, P. Audebert, M. Borghesi, C. A. Cecchetti, A. Mančić, and J. Fuchs, “Modeling target bulk heating resulting from ultra-intense short pulse laser irradiation of solid density targets”, *Phys. Plasmas* **20**, 123116 (2013), <http://dx.doi.org/10.1063/1.4833618>
  13. S. N. Chen, A. P. L. Robinson, P. Antici, E. Brambrink, E. d'Humieres, S. Gaillard, T. Grismayer, A. Mančić, P. Mora, L. Romagnani, P. Audebert, H. Pepin, and J. Fuchs, “Passive tailoring of laser-accelerated ion beam cut-off energy by using double foil assembly”, *Phys. Plasmas* **21**, 023119 (2014), <http://dx.doi.org/10.1063/1.4867181>
  14. A. Mančić, A. Maluckov, and Lj. Hadžievski, “Influence of disorder on generation and probability of extreme events in Salerno lattices”, *Phys. Rev. E* **95**, 032212 (2017), <https://doi.org/10.1103/PhysRevE.95.032212>
  15. \*A. Mančić, F. Baronio, Lj. Hadžievski, S. Wabnitz, and A. Maluckov, Statistics of vector Manakov rogue waves, *Phys. Rev. E* **98**, 012209 (2018), <https://doi.org/10.1103/PhysRevE.98.012209>
  16. \*C. Hermann-Avigliano, I. A. Salinas, D. A. Rivas, B. Real, A. Mančić, C. Mejia-Cortes, A. Maluckov, and R. A. Vicencio, „Spatial rogue waves in photorefractive SBN crystals“, *Optics Letters* **44**, 2807 (2019), <https://doi.org/10.1364/OL.44.002807>

**Радови објављени у истакнутим међународним часописима M22:**

17. A. Mančić, J. Fuchs, P. Antici, S. A. Gaillard and P. Audebert, “Absolute calibration of photostimulable image plate detectors used as (0.5–20 MeV) high-energy proton detectors”, *Rev. Sci. Instrum.* **79**, 073301 (2008), <http://dx.doi.org/10.1063/1.2949388>

18. P. Antici, J. Fuchs, T. Grismayer, M. Borghesi, E. Brambrink, C.A. Cecchetti, L. Lancia, **A. Mančić**, P. Mora, A. C. Pipahl, T. Toncian, O. Willi, and P. Audebert, “*Space- and time-resolved dynamics of fast electrons and of the energy partition into cold electrons*”, IEEE T. Plasma Sci. **36**, 1821 (2008), <http://dx.doi.org/10.1109/TPS.2008.2001230>
19. P. Antici, J. Fuchs, M. Borghesi, T. Grismayer, S. Atzeni, C. A. Cecchetti, L. Gremillet, **A. Mančić**, P. Mora, A. C. Pipahl, A. Schiavi, T. Toncian, O. Willi, and P. Audebert, “*Time and space resolved interferometry for detecting plasma expansion from solid targets*”, Eur. Phys. J.-Spec. Top. **175**, 139 (2009), <https://doi.org/10.1140/epjst/e2009-01131-6>
20. **A. Mančić**, J. Robiche, P. Antici, P. Audebert, C. Blancard, P. Combis, F. Dorchie, G. Faussurier, S. Fourmaux, M. Harmand, R. Kodama, L. Lancia, S. Mazevet, M. Nakatsutsumi, O. Peyrusse, V. Recoules, P. Renaudin, R. Shepherd, and J. Fuchs, “*Isochoric heating of solids by laser-accelerated protons: Experimental characterization and self-consistent hydrodynamic modeling*”, High Energy Density Physics **6**, 21 (2010), <https://doi.org/10.1016/j.hedp.2009.06.008>
21. M. Stojanović Krasić, **A. Mančić**, S. Kuzmanović, S. Đorić Veljković, M. Stepić, “*Linear and interface defects in composite linear photonic lattice*”, Opt. Commun. **394**, 6 (2017), <http://dx.doi.org/10.1016/j.optcom.2017.02.021>
22. \*M. Veljković, **A. Mančić**, D. Milović et A. Maluckov, *Numerical study of high intensity events in the presence of input chirp*, Optik **196**, 163180 (2019), <https://doi.org/10.1016/j.ijleo.2019.163180>
23. \*M. Ivanović, **A. Mančić**, C. Hermann-Avigliano, Lj. Hadžievski and A. Maluckov, *Deep learning-based classification of high intensity light patterns in photorefractive crystals*, J. Opt. **22**, 035504 (2020), <https://doi.org/10.1088/2040-8986/ab70f0>

**Радови објављени у међународним часописима M23:**

24. **A. Mančić**, Lj. Hadžievski, and M. M. Škoric, “*Interaction of Electromagnetic Solitons in Relativistic Plasmas*”, J. Plasma Phys. **72**, 1309 (2006), <https://doi.org/10.1017/S0022377806005617>
25. J. Badziak, S. Jablonski, M. Kubkowska, P. Parys, M. Rosinski, J. Wolowski, A. Szydłowski, P. Anticic, J. Fuchs, and **A. Mančić**, “*Laser-driven generation of ultraintense proton beams*”, Radiat. Eff. Defect. S. **165**, 760 (2010), <http://dx.doi.org/10.1080/10420151003731744>