

Ovidiu Tesileanu

List of Publications by Year in descending order

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47
papers

2,063
citations

471509

17
h-index

330143

37
g-index

47
all docs

47
docs citations

47
times ranked

1835
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental design of radiation reaction by 1 PW laser pulse and linear accelerator electron bunch. High Energy Density Physics, 2021, 38, 100919.	1.5	1
2	Time Projection Chamber (TPC) detectors for nuclear astrophysics studies with gamma beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161779.	1.6	9
3	Current status and highlights of the ELI-NP research program. Matter and Radiation at Extremes, 2020, 5, .	3.9	114
4	Target normal sheath acceleration and laser wakefield acceleration particle-in-cell simulations performance on CPU & GPU architectures for high-power laser systems. Plasma Physics and Controlled Fusion, 2020, 62, 094005.	2.1	14
5	First HPLS Experiments at ELI-NP: Spectral Broadening in Thin Films. , 2020, , .		0
6	Laboratory Astrophysics at Extreme Light Infrastructure: Nuclear Physics. Thirty Years of Astronomical Discovery With UKIRT, 2019, , 125-130.	0.3	0
7	Photodisintegration reactions for nuclear astrophysics studies at ELI-NP. Journal of Physics: Conference Series, 2018, 940, 012025.	0.4	3
8	Verification of detailed balance for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle^3 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ absorption and emission in Dy isotopes. Physical Review C, 2018, 98, .	2.9	40
9	The extreme light infrastructure "nuclear physics (ELI-NP) facility: new horizons in physics with 10 PW ultra-intense lasers and 20 MeV brilliant gamma beams. Reports on Progress in Physics, 2018, 81, 094301.	20.1	164
10	A TPC Detector for Studying Photo-nuclear Reactions at Astrophysical Energies with Gamma-ray Beams at ELI-NP. Acta Physica Polonica B, 2018, 49, 509.	0.8	14
11	Gamma ray beams for Nuclear Astrophysics: first results of tests and simulations of the ELISSA array. Journal of Instrumentation, 2017, 12, C03079-C03079.	1.2	12
12	High-flux electron beams from laser wakefield accelerators driven by petawatt lasers. Plasma Science and Technology, 2017, 19, 070502.	1.5	1
13	New light in nuclear physics: The extreme light infrastructure. Europhysics Letters, 2017, 117, 28001.	2.0	34
14	Photonuclear reactions in astrophysical p-process: Theoretical calculations and experiment simulation based on ELI-NP. EPJ Web of Conferences, 2017, 146, 01015.	0.3	2
15	Gamma Polari-Calorimeter: Performing simultaneous polarization and energy measurements of gamma rays using the pair production process. , 2017, , .		0
16	Experiments with combined laser and gamma beams at ELI-NP. AIP Conference Proceedings, 2017, , .	0.4	12
17	Laser-based acceleration for nuclear physics experiments at ELI-NP. EPJ Web of Conferences, 2016, 117, 05004.	0.3	0
18	New frontiers in nuclear physics with high-power lasers and brilliant monochromatic gamma beams. Physica Scripta, 2016, 91, 093004.	2.5	37

#	ARTICLE	IF	CITATIONS
19	Low energy enhancement in the Compton scattering of γ -ray strength functions of ^{73}Ge . EPJ Web of Conferences, 2016, 107, 01002.	2.9	31
20	Nuclear physics with advanced brilliant gamma beams at ELI-NP. EPJ Web of Conferences, 2016, 107, 01002.	0.3	1
21	Absolute photoneutron cross sections of Sm isotopes. , 2015, , .		0
22	Photoneutron cross section measurements on Sm isotopes. EPJ Web of Conferences, 2015, 93, 02006.	0.3	0
23	Geant4 simulations on Compton scattering of laser photons on relativistic electrons. , 2015, , .		4
24	First evidence of low energy enhancement in Ge isotopes. EPJ Web of Conferences, 2015, 93, 04003.	0.3	1
25	Perspectives for photonuclear research at the Extreme Light Infrastructure - Nuclear Physics (ELI-NP) facility. European Physical Journal A, 2015, 51, 1.	2.5	56
26	Photoneutron cross sections for neodymium isotopes: Toward a unified understanding of σ_{pn} in the rare earth region. Physical Review C, 2015, 91, .	2.9	34
27	Multinucleon photonuclear reactions on ^{209}Bi : Experiment and evaluation. European Physical Journal A, 2015, 51, 1.	2.5	47
28	The ELI-NP facility for nuclear physics. Nuclear Instruments & Methods in Physics Research B, 2015, 355, 198-202.	1.4	32
29	Photoneutron Reactions in Nuclear Astrophysics. Journal of Physics: Conference Series, 2015, 590, 012023.	0.4	0
30	New Frontiers in Nuclear Physics Research at ELI-NP. Acta Physica Polonica B, 2015, 46, 743.	0.8	4
31	Towards experiments at the new ELI-NP facility. EPJ Web of Conferences, 2014, 78, 06001.	0.3	4
32	Photoneutron cross sections for samarium isotopes: Toward a unified understanding of σ_{pn} in the rare earth region. Physical Review C, 2014, 90, .	2.9	44
33	The Extreme Light Infrastructure Nuclear Physics Facility: Towards Experiments with Brilliant γ -Ray Beams. Acta Physica Polonica B, 2014, 45, 483.	0.8	7
34	Energy Calibration of the NewSUBARU Storage Ring for Laser Compton-Scattering Gamma Rays and Applications. IEEE Transactions on Nuclear Science, 2014, 61, 1252-1258.	2.0	38
35	Young stellar object jet models: From theory to synthetic observations. Astronomy and Astrophysics, 2014, 562, A117.	5.1	14
36	Extreme Light Infrastructure - Nuclear Physics A New Research Infrastructure at the Interface of Laser and Subatomic Physics. The Review of Laser Engineering, 2014, 42, 123.	0.0	2

#	ARTICLE	IF	CITATIONS
37	Exploring the multihumped fission barrier of ^{238}U via sub-barrier photofission. <i>Physical Review C</i> , 2013, 87, .	2.9	40
38	Extreme light infrastructure nuclear physics (ELI-NP): present status and perspectives. <i>Proceedings of SPIE</i> , 2013, , .	0.8	11
39	Energy calibration of the NewSUBARU storage ring by laser compton-scattering gamma rays and its applications. , 2013, , .		0
40	Extreme Light Infrastructure " Nuclear Physics. <i>Journal of Physics: Conference Series</i> , 2013, 420, 012157.	0.4	19
41	NUMERICAL SIMULATIONS OF RADIATIVE MAGNETIZED HERBIG-HARO JETS: THE INFLUENCE OF PRE-IONIZATION FROM X-RAYS ON EMISSION LINES. <i>Astrophysical Journal</i> , 2012, 746, 96.	4.5	16
42	Perspectives for photofission studies with highly brilliant, monochromatic γ beams. <i>EPJ Web of Conferences</i> , 2012, 38, 08001.	0.3	17
43	Radiative MHD simulations of the jets from RW Aurigae. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 410-411.	0.0	0
44	Time-dependent MHD shocks and line intensity ratios in the Herbig-Haro jet: a focus on cooling function and numerical resolution. <i>Astronomy and Astrophysics</i> , 2009, 507, 581-588.	5.1	15
45	Jets from Young Stellar Objects: From MHD Simulations to Synthetic Observations. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2009, , 447-452.	0.3	1
46	Simulating radiative astrophysical flows with the PLUTO code: a non-equilibrium, multi-species cooling function. <i>Astronomy and Astrophysics</i> , 2008, 488, 429-440.	5.1	42
47	PLUTO: A Numerical Code for Computational Astrophysics. <i>Astrophysical Journal, Supplement Series</i> , 2007, 170, 228-242.	7.7	1,126