

Plamen G Krastev

List of Publications by Year in descending order

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18
papers

557
citations

759233

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Translating Neutron Star Observations to Nuclear Symmetry Energy via Deep Neural Networks. <i>Galaxies</i> , 2022, 10, 16.	3.0	14
2	Detection and parameter estimation of gravitational waves from binary neutron-star mergers in real LIGO data using deep learning. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 815, 136161.	4.1	29
3	Real-time detection of gravitational waves from binary neutron stars using artificial neural networks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 803, 135330.	4.1	55
4	Towards understanding astrophysical effects of nuclear symmetry energy. <i>European Physical Journal A</i> , 2019, 55, 1.	2.5	133
5	Imprints of the nuclear symmetry energy on the tidal deformability of neutron stars. <i>Journal of Physics C: Nuclear and Particle Physics</i> , 2019, 46, 074001.	3.6	43
6	Factorization in large-scale many-body calculations. <i>Computer Physics Communications</i> , 2013, 184, 2761-2774.	7.5	66
7	Imprints of Nuclear Symmetry Energy on Properties of Neutron Stars. <i>Journal of Physics: Conference Series</i> , 2011, 312, 042006.	0.4	13
8	IMPRINTS OF THE NUCLEAR SYMMETRY ENERGY ON GRAVITATIONAL WAVES FROM DEFORMED PULSARS. <i>International Journal of Modern Physics E</i> , 2010, 19, 1694-1704.	1.0	1
9	Sensitivity analysis of random two-body interactions. <i>Physical Review C</i> , 2010, 81, .	2.9	3
10	EFFECTS OF THE NUCLEAR SYMMETRY ENERGY ON GRAVITATIONAL WAVES FROM THE AXIAL W-MODES OF ISOLATED NEUTRON STARS. <i>International Journal of Modern Physics E</i> , 2010, 19, 1712-1719.	1.0	1
11	Imprints of the nuclear symmetry energy on gravitational waves from the axialw-modes of neutron stars. <i>Physical Review C</i> , 2009, 80, .	2.9	28
12	NON-INERTIAL EFFECTS IN REACTIONS OF ASTROPHYSICAL INTEREST. <i>Modern Physics Letters A</i> , 2009, 24, 1109-1120.	1.2	0
13	Constraining the EOS of Neutron-Rich Nuclear Matter and Properties of Neutron Stars with Heavy-Ion Reactions. , 2009, , .		4
14	Nuclear limits on gravitational waves from elliptically deformed pulsars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 668, 1-5.	4.1	27
15	Constraining properties of neutron stars with heavy-ion reactions in terrestrial laboratories. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 014044.	3.6	2
16	Nuclear Constraints on the Moments of Inertia of Neutron Stars. <i>Astrophysical Journal</i> , 2008, 685, 390-399.	4.5	85
17	Constraining Properties of Rapidly Rotating Neutron Stars Using Data from Heavy-Ion Collisions. <i>Astrophysical Journal</i> , 2008, 676, 1170-1177.	4.5	31
18	Constraining a possible time variation of the gravitational constant G with terrestrial nuclear laboratory data. <i>Physical Review C</i> , 2007, 76, .	2.9	22