Plamen G Krastev

List of Publications by Year
in descending order

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18	557	759233 12	940533 16
papers	citations	h-index	g-index

18	18	18	627
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Towards understanding astrophysical effects of nuclear symmetry energy. European Physical Journal A, 2019, 55, 1.	2.5	133
2	Nuclear Constraints on the Moments of Inertia of Neutron Stars. Astrophysical Journal, 2008, 685, 390-399.	4.5	85
3	Factorization in large-scale many-body calculations. Computer Physics Communications, 2013, 184, 2761-2774.	7.5	66
4	Real-time detection of gravitational waves from binary neutron stars using artificial neural networks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135330.	4.1	55
5	Imprints of the nuclear symmetry energy on the tidal deformability of neutron stars. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 074001.	3.6	43
6	Constraining Properties of Rapidly Rotating Neutron Stars Using Data from Heavyâ€Ion Collisions. Astrophysical Journal, 2008, 676, 1170-1177.	4.5	31
7	Detection and parameter estimation of gravitational waves from binary neutron-star mergers in real LIGO data using deep learning. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136161.	4.1	29
8	Imprints of the nuclear symmetry energy on gravitational waves from the axialw-modes of neutron stars. Physical Review C, 2009, 80, .	2.9	28
9	Nuclear limits on gravitational waves from elliptically deformed pulsars. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 668, 1-5.	4.1	27
10	Constraining a possible time variation of the gravitational constant<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>G</mml:mi></mml:mrow></mml:math>with terrestrial nuclear laboratory data. Physical Review C, 2007, 76, .	2.9	22
11	Translating Neutron Star Observations to Nuclear Symmetry Energy via Deep Neural Networks. Galaxies, 2022, 10, 16.	3.0	14
12	Imprints of Nuclear Symmetry Energy on Properties of Neutron Stars. Journal of Physics: Conference Series, 2011, 312, 042006.	0.4	13
13	Constraining the EOS of Neutron-Rich Nuclear Matter and Properties of Neutron Stars with Heavy-Ion Reactions. , 2009, , .		4
14	Sensitivity analysis of random two-body interactions. Physical Review C, 2010, 81, .	2.9	3
15	Constraining properties of neutron stars with heavy-ion reactions in terrestrial laboratories. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014044.	3.6	2
16	IMPRINTS OF THE NUCLEAR SYMMETRY ENERGY ON GRAVITATIONAL WAVES FROM DEFORMED PULSARS. International Journal of Modern Physics E, 2010, 19, 1694-1704.	1.0	1
17	EFFECTS OF THE NUCLEAR SYMMETRY ENERGY ON GRAVITATIONAL WAVES FROM THE AXIAL W-MODES OF ISOLATED NEUTRON STARS. International Journal of Modern Physics E, 2010, 19, 1712-1719.	1.0	1
18	NON-INERTIAL EFFECTS IN REACTIONS OF ASTROPHYSICAL INTEREST. Modern Physics Letters A, 2009, 24, 1109-1120.	1.2	0