

Equations of state for supernovae and compact stars

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Hyperons in the nuclear pasta phase. <i>Physical Review C</i> , 2017, 96, .	1.1	9
2	Vorticity and helicity in relativistic heat-conducting fluid. <i>Classical and Quantum Gravity</i> , 2017, 34, 245011.	1.5	1
3	New temperature dependent hyperonic equation of state: Application to rotating neutron star models and $Q < m$ relations. <i>Physical Review C</i> , 2017, 96, .	1.1	67
4	Rotating hybrid stars with the Dyson-Schwinger quark model. <i>Physical Review D</i> , 2017, 96, .	1.6	11
5	A new equation of state for core-collapse supernovae based on realistic nuclear forces and including a full nuclear ensemble. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 094001.	1.4	53
6	From bare interactions, low-energy constants, and unitary gas to nuclear density functionals without free parameters: Application to neutron matter. <i>Physical Review C</i> , 2017, 95, .	1.1	18
7	Neutron Stars: Laboratories for Fundamental Physics Under Extreme Astrophysical Conditions. <i>Journal of Astrophysics and Astronomy</i> , 2017, 38, 1.	0.4	6
8	Nuclear pasta phases within the quark-meson coupling model. <i>Physical Review C</i> , 2017, 95, .	1.1	15
9	Rayleigh-Taylor and Richtmyer-Meshkov instability induced flow, turbulence, and mixing. I. <i>Physics Reports</i> , 2017, 720-722, 1-136.	10.3	306
10	Crust-core transition of a neutron star: Effects of the symmetry energy and temperature under strong magnetic fields. <i>Physical Review C</i> , 2017, 95, .	1.1	19
11	Warm unstable asymmetric nuclear matter: Critical properties and the density dependence of the symmetry energy. <i>Physical Review C</i> , 2017, 95, .	1.1	13
12	Effect of strong magnetic fields on the crust-core transition and inner crust of neutron stars. <i>Physical Review C</i> , 2017, 95, .	1.1	22
13	Neutron Star-Black Hole Coalescence Rate Inferred from Macronova Observations. <i>Astrophysical Journal Letters</i> , 2017, 844, L22.	3.0	15
14	Composition of Nuclear Matter with Light Clusters and Bose-Einstein Condensation of α Particles. <i>Journal of Low Temperature Physics</i> , 2017, 189, 133-146.	0.6	15
15	Neutron Star Mergers and Nucleosynthesis of Heavy Elements. <i>Annual Review of Nuclear and Particle Science</i> , 2017, 67, 253-274.	3.5	270
16	Critical mass, moment of inertia and universal relations of rapidly rotating neutron stars with exotic matter. <i>International Journal of Modern Physics D</i> , 2017, 26, 1750127.	0.9	14
17	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L39.	3.0	156
18	Correlated Signatures of Gravitational-wave and Neutrino Emission in Three-dimensional General-relativistic Core-collapse Supernova Simulations. <i>Astrophysical Journal</i> , 2017, 851, 62.	1.6	77

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20	Nuclear matter fourth-order symmetry energy in nonrelativistic mean-field models. <i>Physical Review C</i> , 2017, 96, .	1.1	20
21	Constraints on the skewness coefficient of symmetric nuclear matter within the nonlinear relativistic mean field model. <i>Nuclear Science and Techniques/Hewuli</i> , 2017, 28, 1.	1.3	38
22	Neutron-star Radius Constraints from GW170817 and Future Detections. <i>Astrophysical Journal Letters</i> , 2017, 850, L34.	3.0	469
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27	Empirical information on nuclear matter fourth-order symmetry energy from an extended nuclear mass formula. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 773, 62-67.	1.5	18
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32	Open-source nuclear equation of state framework based on the liquid-drop model with Skyrme interaction. <i>Physical Review C</i> , 2017, 96, .	1.1	92
33	Constraints on the nuclear equation of state from nuclear masses and radii in a Thomas-Fermi meta-modeling approach. <i>Physical Review C</i> , 2017, 96, .	1.1	24
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57	Equation of State Dependent Dynamics and Multi-messenger Signals from Stellar-mass Black Hole Formation. Astrophysical Journal, 2018, 857, 13.	1.6	68
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96	Gravitational-wave astrophysics from neutron star inspiral and coalescence. <i>International Journal of Modern Physics D</i> , 2018, 27, 1843018.	0.9	7
97	Grand Challenges in Nuclear Physics: A Long and Exciting Way to Go. <i>Frontiers in Physics</i> , 2018, 6, .	1.0	1
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99	Vector-Interaction-Enhanced Bag Model. <i>Universe</i> , 2018, 4, 30.	0.9	16
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