Adriana R Raduta

List of Publications by Year
in descending order

30 papers	1,137 citations	361413 20 h-index	477307 29 g-index
31 all docs	31 docs citations	31 times ranked	678 citing authors

#	Article	IF	Citations
1	Neutron star radii and crusts: Uncertainties and unified equations of state. Physical Review C, 2016, 94, .	2.9	235
2	Hyperons in neutron star matter within relativistic mean-field models. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 075202.	3.6	118
3	Unified treatment of subsaturation stellar matter at zero and finite temperature. Physical Review C, 2015, 92, .	2.9	102
4	Statistical description of complex nuclear phases in supernovae and proto-neutron stars. Physical Review C, 2010, 82, .	2.9	62
5	Simulation of statistical ensembles suitable for the description of nuclear multifragmentation. Physical Review C, 1997, 55, 1344-1352.	2.9	59
6	Hyperons in neutron stars and supernova cores. European Physical Journal A, 2016, 52, 1.	2.5	47
7	Cooling of hypernuclear compact stars. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4347-4356.	4.4	44
8	Relativistic hypernuclear compact stars with calibrated equations of state. Physical Review D, 2020, 101, .	4.7	43
9	Proto-neutron stars with heavy baryons and universal relations. Monthly Notices of the Royal Astronomical Society, 2020, 499, 914-931.	4.4	40
10	Strangeness-driven phase transition in (proto-)neutron star matter. Physical Review C, 2013, 87, .	2.9	33
11	Densities and energies of nuclei in dilute matter at zero temperature. Physical Review C, 2013, 88, .	2.9	31
12	Clusterized nuclear matter in the (proto-)neutron star crust and the symmetry energy. European Physical Journal A, 2014, 50, 1.	2.5	30
13	Maximum mass of compact stars from gravitational wave events with finite-temperature equations of state. Physical Review C, 2021, 103, .	2.9	30
14	Î”-admixed neutron stars: Spinodal instabilities and dUrca processes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 814, 136070.	4.1	25
15	Thermal evolution of relativistic hyperonic compact stars with calibrated equations of state. Physical Review D, 2021, 103, .	4.7	25
16	Stellar electron capture rates on neutron-rich nuclei and their impact on stellar core collapse. Physical Review C, 2017, 95, .	2.9	24
17	Constraints on the nuclear equation of state from nuclear masses and radii in a Thomas-Fermi meta-modeling approach. Physical Review C, 2017, 96, .	2.9	24
18	Phase transition toward strange matter. Physical Review C, 2012, 86, .	2.9	22

#	Article	IF	Citations
19	Heat capacity of the neutron star inner crust within an extended nuclear statistical equilibrium model. Physical Review C, 2015, 92, .	2.9	22
20	Modification of magicity toward the dripline and its impact on electron-capture rates for stellar core collapse. Physical Review C, 2016, 93, .	2.9	22
21	Cooling of hypernuclear compact stars: Hartreeâ€“Fock models and high-density pairing. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2639-2652.	4.4	19
22	Ensemble inequivalence in supernova matter within a simple model. Physical Review C, 2012, 85, .	2.9	16
23	Equations of state for hot neutron stars. European Physical Journal A, 2021, 57, 1.	2.5	15
24	Impact of electron capture rates for nuclei far from stability on core-collapse supernovae. Physical Review C, 2020, 101, .	2.9	14
25	Equations of state for hot neutron stars-II. The role of exotic particle degrees of freedom. European Physical Journal A, 2022, 58, .	2.5	12
26	Nuclear skin and the curvature of the symmetry energy. Physical Review C, 2018, 97, .	2.9	8
27	Hot neutron stars and their equation of state. Physical Review C, 2021, 104, .	2.9	8
28	Break-up fragments excitation and the freeze-out volume. Physical Review C, 2005, 72, .	2.9	4
29	Break-up stage restoration in multifragmentation reactions. European Physical Journal A, 2007, 32, 175-182.	2.5	0
30	Impact of pairing on thermodynamical properties of stellar matter. EPJ Web of Conferences, 2016, 117, 07015.	0.3	0