

William G Newton

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

332
citations

840776

11
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

253
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical density and impact of $\hat{\rho}_c$ on the formation in neutron stars. <i>Physical Review C</i> , 2015, 92, .	2.9	69
2	How tightly is the nuclear symmetry energy constrained by a unitary Fermi gas?. <i>Nuclear Science and Techniques/Hewuli</i> , 2017, 28, 1.	3.4	46
3	Constraints on the symmetry energy from observational probes of the neutron star crust. <i>European Physical Journal A</i> , 2014, 50, 1.	2.5	40
4	THE COOLING OF THE CASSIOPEIA A NEUTRON STAR AS A PROBE OF THE NUCLEAR SYMMETRY ENERGY AND NUCLEAR PASTA. <i>Astrophysical Journal Letters</i> , 2013, 779, L4.	8.3	35
5	The State of Matter in Simulations of Core-Collapse supernovae—Reflections and Recent Developments. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	3.4	30
6	Phase transitions in core-collapse supernova matter at sub-saturation densities. <i>Physical Review C</i> , 2014, 90, .	2.9	22
7	Nuclear symmetry energy from neutron skins and pure neutron matter in a Bayesian framework. <i>Physical Review C</i> , 2021, 103, .	2.9	22
8	Resonant shattering flares as multimessenger probes of the nuclear symmetry energy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 1129-1143.	4.4	15
9	A taste of pasta?. <i>Nature Physics</i> , 2013, 9, 396-397.	16.7	14
10	Prior Probability Distributions of Neutron Star Crust Models. <i>Astrophysical Journal</i> , 2021, 918, 79.	4.5	14
11	Glassy quantum nuclear pasta in neutron star crusts. <i>Physical Review C</i> , 2022, 105, .	2.9	13
12	Resonant shattering flares in black hole-neutron star and binary neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 5385-5402.	4.4	12