

German Lugones

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

1,179

citations

22

h-index

33

g-index

66

ext. papers

1,392

ext. citations

3.4

avg. IF

5

L-index

#	Paper	IF	Citations
63	Vector interactions inhibit quark-hadron mixed phases in neutron stars. <i>Physical Review D</i> , 2021 , 104,	4.9	1
62	Probing Elastic Quark Phases in Hybrid Stars with Radius Measurements. <i>Astrophysical Journal</i> , 2021 , 910, 145	4.7	3
61	Hybrid stars in the light of the merging event GW170817. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021 , 2021, 042	6.4	2
60	The role of quark matter surface tension in magnetars. <i>Astronomische Nachrichten</i> , 2021 , 342, 205-210	0.7	0
59	Surface and curvature properties of charged strangelets in compact objects. <i>Physical Review C</i> , 2021 , 103,	2.7	3
58	Phase Conversions in Neutron Stars: Implications for Stellar Stability and Gravitational Wave Astrophysics. <i>Universe</i> , 2021 , 7, 493	2.5	4
57	Discontinuity gravity modes in hybrid stars: Assessing the role of rapid and slow phase conversions. <i>Physical Review D</i> , 2020 , 101,	4.9	11
56	Magnetized hybrid stars: effects of slow and rapid phase transitions at the quark-hadron interface. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 489, 4261-4277	4.3	14
55	General Relativistic Surface Degrees of Freedom in Perturbed Hybrid Stars. <i>Astrophysical Journal</i> , 2019 , 871, 47	4.7	4
54	Phase transitions in neutron stars and their links to gravitational waves. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019 , 46, 073002	2.9	25
53	Surface tension of hot and dense quark matter under strong magnetic fields. <i>Physical Review C</i> , 2019 , 99,	2.7	15
52	Fundamental oscillation modes of self-interacting bosonic dark stars. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019 , 2019, 051-051	6.4	1
51	The matter of "unbalance" in right dominant atrioventricular septal defect. <i>Annals of Pediatric Cardiology</i> , 2019 , 12, 132-134	0.8	1
50	Assessing the role of the Kelvin-Helmholtz instability at the QCD cosmological transition. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018 , 2018, 051-051	6.4	2
49	Phase Transition Effects on the Dynamical Stability of Hybrid Neutron Stars. <i>Astrophysical Journal</i> , 2018 , 860, 12	4.7	34
48	Gravitational wave asteroseismology limits from low density nuclear matter and perturbative QCD. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018 , 2018, 046-046	6.4	6
47	Finite size effects in strongly interacting matter at zero chemical potential from Polyakov loop Nambu-Jona-Lasinio model in the light of lattice data. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	10

46	Surface tension of highly magnetized degenerate quark matter. <i>Physical Review C</i> , 2017 , 95,	2.7	23
45	Constraining color flavor locked strange stars in the gravitational wave era. <i>Physical Review C</i> , 2017 , 95,	2.7	26
44	Compact stars in the braneworld: A new branch of stellar configurations with arbitrarily large mass. <i>Physical Review D</i> , 2017 , 95,	4.9	19
43	Looking for extra dimensions in compact stars. <i>Journal of Physics: Conference Series</i> , 2017 , 861, 012002	0.3	
42	Feasibility of Biventricular Repair in Right Dominant Unbalanced Atrioventricular Septal Defect: A New Echocardiographic Metric to Refine Surgical Decision-Making. <i>World Journal for Pediatric & Congenital Heart Surgery</i> , 2017 , 8, 460-467	1.1	12
41	From quark drops to quark stars. <i>European Physical Journal A</i> , 2016 , 52, 1	2.5	24
40	Properties of strongly magnetized ultradense matter and its effects on magnetar pulsations. <i>Physical Review C</i> , 2016 , 94,	2.7	5
39	Compact stars on the brane: What could they reveal about extra dimensions?. <i>Astronomische Nachrichten</i> , 2015 , 336, 876-879	0.7	5
38	Hydrodynamic Simulations of the Combustion of Dense Hadronic Matter into Quark Matter. <i>Brazilian Journal of Physics</i> , 2015 , 45, 457-466	1.2	4
37	Electroweak decay of quark matter within combustion flames at compact objects. <i>Nuclear and Particle Physics Proceedings</i> , 2015 , 267-269, 227-229	0.4	2
36	Discriminating hadronic and quark stars through gravitational waves of fluid pulsation modes. <i>Classical and Quantum Gravity</i> , 2014 , 31, 155002	3.3	22
35	Gravitational waves from the cosmological QCD transition. <i>Astronomische Nachrichten</i> , 2014 , 335, 697-702.	0.7	
34	Non-radial fluid oscillation modes of color superconducting self-bound stars. <i>Astronomische Nachrichten</i> , 2014 , 335, 769-774	0.7	1
33	Quark deconfinement in protoneutron star cores: Effect of color superconductivity within the MIT bag model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013 , 392, 6536-6544	3.3	7
32	Nucleation rate of colour superconducting droplets in protoneutron stars. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013 , 40, 035201	2.9	13
31	Surface tension and curvature energy of quark matter in the Nambu-Jona-Lasinio model. <i>Physical Review C</i> , 2013 , 88,	2.7	59
30	Unveiling the cosmological QCD phase transition through the eLISA/NGO detector. <i>Physical Review D</i> , 2013 , 87,	4.9	9
29	RADIAL PULSATIONS OF HYBRID NEUTRON STARS. <i>International Journal of Modern Physics Conference Series</i> , 2012 , 18, 105-108	0.7	6

28	HYBRID STARS IN THE LIGHT OF THE MASSIVE PULSAR PSR J1614-230. <i>Astrophysical Journal</i> , 2012 , 759, 57	4.7	47
27	Relativistic Cowling approximation for fluid oscillation modes of color superconducting self-bound stars. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 451-451	0.1	1
26	Critical spectrum of fluctuations for deconfinement at protoneutron star cores. <i>Physical Review D</i> , 2011 , 84,	4.9	26
25	QUARK MATTER NUCLEATION AT NEUTRON STAR CORES: RELEVANCE OF ENERGY-DENSITY FLUCTUATIONS. <i>International Journal of Modern Physics E</i> , 2011 , 20, 167-174	0.7	2
24	DECONFINEMENT TRANSITION IN PROTONEUTRON STARS. <i>International Journal of Modern Physics D</i> , 2010 , 19, 1537-1540	2.2	1
23	RADIAL OSCILLATIONS OF COLOR SUPERCONDUCTING QUARK STARS. <i>International Journal of Modern Physics D</i> , 2010 , 19, 1499-1504	2.2	2
22	Deconfinement transition in protoneutron stars: Analysis within the Nambu-Jona-Lasinio model. <i>Physical Review D</i> , 2010 , 81,	4.9	22
21	Radial oscillations of color superconducting self-bound quark stars. <i>Physical Review D</i> , 2010 , 82,	4.9	30
20	Probing light pseudoscalar particles using synchrotron light. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 673, 101-105	4.2	7
19	Deconfinement of neutron star matter within the Nambu-Jona-Lasinio model. <i>Physical Review D</i> , 2009 , 80,	4.9	21
18	Role of color superconductivity on the nucleation of quark matter in neutron stars. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008 , 35, 014054	2.9	
17	Effects of color superconductivity on the nucleation of quark matter in neutron stars. <i>Astronomy and Astrophysics</i> , 2007 , 462, 1017-1022	5.1	52
16	Magnetic Fields in High-Density Stellar Matter. <i>AIP Conference Proceedings</i> , 2005 ,	0	1
15	Deconfinement and color superconductivity in cold neutron stars. <i>Physical Review D</i> , 2005 , 72,	4.9	40
14	Self-bound CFL stars in binary systems: Are they hidden among the black hole candidates?. <i>Astronomy and Astrophysics</i> , 2004 , 422, L1-L4	5.1	27
13	Primordial nuggets survival and QCD pairing. <i>Physical Review D</i> , 2004 , 69,	4.9	21
12	SUPERNOVAE, PROTONEUTRON STARS AND RELATED HIGH ENERGY PHENOMENA. <i>International Journal of Modern Physics D</i> , 2004 , 13, 1287-1292	2.2	2
11	QUARK-DIQUARK EQUATIONS OF STATE MODELS: THE ROLE OF INTERACTIONS. <i>International Journal of Modern Physics D</i> , 2003 , 12, 519-526	2.2	4

10	QUARK-DIQUARK MATTER EQUATION OF STATE AND COMPACT STAR STRUCTURE. <i>International Journal of Modern Physics D</i> , 2003 , 12, 495-507	2.2	20
9	High-density QCD pairing in compact star structure. <i>Astronomy and Astrophysics</i> , 2003 , 403, 173-178	5.1	61
8	Color-flavor locked strange matter. <i>Physical Review D</i> , 2002 , 66,	4.9	107
7	Asymmetric Core Combustion in Neutron Stars and a Potential Mechanism for Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2002 , 581, L101-L104	4.7	28
6	The phase transition from nuclear matter to quark matter during proto-neutron star evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999 , 304, L25-L29	4.3	36
5	Effect of trapped neutrinos in the hadron matter to quark matter transition. <i>Physical Review D</i> , 1998 , 58,	4.9	38
4	THE PROPERTIES OF STRANGE STARS IN THE QUARK MASS-DENSITY-DEPENDENT MODEL. <i>International Journal of Modern Physics D</i> , 1998 , 07, 29-48	2.2	17
3	Strange matter equation of state and the combustion of nuclear matter into strange matter in the quark mass-density-dependent model at $T>0$. <i>Physical Review D</i> , 1995 , 52, 1276-1280	4.9	46
2	Strange matter equation of state in the quark mass-density-dependent model. <i>Physical Review D</i> , 1995 , 51, 1989-1993	4.9	93
1	Combustion of nuclear matter into strange matter. <i>Physical Review D</i> , 1994 , 50, 6100-6109	4.9	54