

Giuseppina Fiorella Burgio

List of Publications by Year in descending order

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times ranked

1720
citing authors

#	ARTICLE	IF	CITATIONS
1	Accurate nuclear symmetry energy at finite temperature within a Brueckner-Hartree-Fock approach. <i>Physical Review C</i> , 2021, 103, .	2.9	7
2	A Modern View of the Equation of State in Nuclear and Neutron Star Matter. <i>Symmetry</i> , 2021, 13, 400.	2.2	14
3	Binary neutron star merger simulations with hot microscopic equations of state. <i>Physical Review D</i> , 2021, 103, .	4.7	11
4	Equation of state and radial oscillations of neutron stars. <i>Physical Review D</i> , 2021, 103, .	4.7	16
5	Hot neutron stars and their equation of state. <i>Physical Review C</i> , 2021, 104, .	2.9	8
6	Cooling of hybrid neutron stars with microscopic equations of state. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 344-354.	4.4	9
7	Nuclear Pairing Gaps and Neutron Star Cooling. <i>Universe</i> , 2020, 6, 115.	2.5	5
8	The Equation of State of Nuclear Matter: From Finite Nuclei to Neutron Stars. <i>Universe</i> , 2020, 6, 119.	2.5	22
9	Hybrid equation of state approach in binary neutron-star merger simulations. <i>Physical Review D</i> , 2020, 102, .	4.7	29
10	Nucleon effective mass in hot dense matter. <i>Physical Review C</i> , 2020, 101, .	2.9	22
11	Are nuclear matter properties correlated to neutron star observables?. <i>European Physical Journal A</i> , 2020, 56, 1.	2.5	29
12	On the change of old neutron star masses with galactocentric distance. <i>Physics of the Dark Universe</i> , 2020, 28, 100484.	4.9	10
13	Neutron star universal relations with microscopic equations of state. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 034001.	3.6	39
14	Dark compact objects: An extensive overview. <i>Physical Review D</i> , 2019, 99, .	4.7	43
15	Neutron star cooling with microscopic equations of state. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5162-5169.	4.4	18
16	Hot neutron stars with microscopic equations of state. <i>Physical Review C</i> , 2019, 100, .	2.9	29
17	Thermal states of neutron stars with a consistent model of interior. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 5010-5022.	4.4	32
18	A Unified Equation of State on a Microscopic Basis : Implications for Neutron Stars Structure and Cooling. <i>Journal of Physics: Conference Series</i> , 2018, 981, 012012.	0.4	2

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19	Nuclear Equation of State for Compact Stars and Supernovae. <i>Astrophysics and Space Science Library</i> , 2018, , 255-335.	2.7	38
20	Are Small Radii of Compact Stars Ruled out by GW170817/AT2017gfo?. <i>Astrophysical Journal</i> , 2018, 860, 139.	4.5	91
21	Rotating hybrid stars with the Dyson-Schwinger quark model. <i>Physical Review D</i> , 2017, 96, .	4.7	11
22	The CSS parametrization for Hybrid Stars with the Field Correlator Method. <i>Journal of Physics: Conference Series</i> , 2017, 861, 012011.	0.4	0
23	Neutron star structure from a quark-model baryon-baryon interaction. <i>EPJ Web of Conferences</i> , 2016, 117, 09006.	0.3	1
24	The nuclear symmetry energy. <i>Progress in Particle and Nuclear Physics</i> , 2016, 91, 203-258.	14.4	203
25	The equation of state at finite temperature: Structure and composition of protoneutron stars. <i>Journal of Physics: Conference Series</i> , 2016, 665, 012062.	0.4	1
26	Hybrid star structure with the Field Correlator Method. <i>European Physical Journal A</i> , 2016, 52, 1.	2.5	17
27	Cassiopeia A and direct Urca cooling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 1451-1458.	4.4	27
28	Constraints on modern microscopic equations of state. <i>Journal of Physics: Conference Series</i> , 2016, 665, 012064.	0.4	0
29	Nuclear matter equation of state from a quark-model nucleon-nucleon interaction. <i>Physical Review C</i> , 2015, 92, .	2.9	18
30	Hybrid neutron stars with the Dyson-Schwinger quark model and various quark-gluon vertices. <i>Physical Review D</i> , 2015, 91, .	4.7	31
31	Constraining and applying a generic high-density equation of state. <i>Physical Review D</i> , 2015, 92, .	4.7	98
32	Unified equation of state for neutron stars on a microscopic basis. <i>Astronomy and Astrophysics</i> , 2015, 584, A103.	5.1	117
33	The neutron star in Cassiopeia A: equation of state, superfluidity, and Joule heating. <i>Astronomy and Astrophysics</i> , 2014, 561, L5.	5.1	26
34	Neutron Star masses from the Field Correlator Method Equation of State. <i>EPJ Web of Conferences</i> , 2014, 71, 00143.	0.3	1
35	From the crust to the core of neutron stars on a microscopic basis. <i>Physics of Atomic Nuclei</i> , 2014, 77, 1157-1165.	0.4	17
36	Nucleon effective masses within the Brueckner-Hartree-Fock theory: Impact on stellar neutrino emission. <i>Physical Review C</i> , 2014, 89, .	2.9	57

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37	Selecting microscopic equations of state. <i>Physical Review C</i> , 2013, 87, .	2.9	56
38	Structure of the hadron-quark mixed phase in protoneutron stars. <i>Astronomy and Astrophysics</i> , 2013, 551, A13.	5.1	23
39	Quark matter in neutron stars within the field correlator method. <i>Physical Review D</i> , 2013, 88, .	4.7	22
40	Hybrid protoneutron stars with the Dyson-Schwinger quark model. <i>Physical Review D</i> , 2012, 86, .	4.7	38
41	Properties of the nuclear medium. <i>Reports on Progress in Physics</i> , 2012, 75, 026301.	20.1	88
42	Hadron-quark phase transitions in hyperon stars. <i>Physics of Atomic Nuclei</i> , 2011, 74, 1502-1507.	0.4	12
43	Oscillations of hot, young neutron stars: Gravitational wave frequencies and damping times. <i>Physical Review D</i> , 2011, 84, .	4.7	30
44	Hybrid stars with the Dyson-Schwinger quark model. <i>Physical Review D</i> , 2011, 84, .	4.7	63
45	Hyperon stars at finite temperature in the Brueckner theory. <i>Physical Review C</i> , 2011, 83, .	2.9	76
46	The maximum and minimum mass of protoneutron stars in the Brueckner theory. <i>Astronomy and Astrophysics</i> , 2010, 518, A17.	5.1	50
47	Protoneutron stars in the Brueckner-Hartree-Fock approach and finite-temperature kaon condensation. <i>Physical Review C</i> , 2010, 81, .	2.9	27
48	Performance of the first ANTARES detector line. <i>Astroparticle Physics</i> , 2009, 31, 277-283.	4.3	47
49	Isothermal vs. isentropic description of protoneutron stars in the Brueckner-Bethe-Goldstone theory. <i>Physics of Atomic Nuclei</i> , 2009, 72, 1197-1202.	0.4	12
50	Structure of hybrid protoneutron stars within the Nambu-Jona-Lasinio model. <i>Physical Review D</i> , 2008, 77, .	4.7	18
51	Astrophysical constraints on the confining models: The field correlator method. <i>Physical Review D</i> , 2008, 78, .	4.7	22
52	The equation of state of dense matter: from nuclear collisions to neutron stars. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 014048.	3.6	4
53	EXOTIC PHASES IN NEUTRON STARS. <i>International Journal of Modern Physics E</i> , 2008, 17, 1635-1647.	1.0	6
54	NEUTRON STARS IN THE RELATIVISTIC HARTREE-FOCK THEORY AND HADRON-QUARK PHASE TRANSITION. , 2008, , .		1

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55	HYBRID NEUTRON STARS WITHIN THE NAMBU-JONA-LASINIO MODEL AND CONFINEMENT. , 2008, , .		0
56	Quark matter in neutron stars within the Nambu-Jona-Lasinio model and confinement. Physical Review C, 2007, 75, .	2.9	54
57	The ANTARES optical beacon system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 578, 498-509.	1.6	61
58	Studies of a full-scale mechanical prototype line for the ANTARES neutrino telescope and tests of a prototype instrument for deep-sea acoustic measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 581, 695-708.	1.6	13
59	Production of high-energy $\hat{1}/4$ neutrinos from young neutron stars. Nuclear Physics, Section B, Proceedings Supplements, 2007, 165, 231-236.	0.4	1
60	\hat{A} Microscopic equation of state for protoneutron stars. Astrophysics and Space Science, 2007, 308, 387-394.	1.4	10
61	The data acquisition system for the ANTARES neutrino telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 570, 107-116.	1.6	138
62	\hat{A} Microscopic equation of state for protoneutron stars. , 2007, , 387-394.		0
63	Protoneutron stars within the Brueckner-Bethe-Goldstone theory. Astronomy and Astrophysics, 2006, 451, 213-222.	5.1	41
64	Flux predictions of high-energy neutrinos from pulsars. Monthly Notices of the Royal Astronomical Society, 2006, 371, 375-379.	4.4	11
65	High energy neutrino emission from young pulsars. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 567, 486-488.	1.6	0
66	First results of the Instrumentation Line for the deep-sea ANTARES neutrino telescope. Astroparticle Physics, 2006, 26, 314-324.	4.3	99
67	Hybrid protoneutron stars with the MIT bag model. Physical Review D, 2006, 74, .	4.7	70
68	Microscopic three-body forces and kaon condensation in cold neutrino-trapped matter. Physical Review C, 2006, 74, .	2.9	22
69	Galactic discrete sources of high energy neutrinos. New Astronomy Reviews, 2005, 49, 1-21.	12.8	46
70	Study of large hemispherical photomultiplier tubes for the ANTARES neutrino telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 555, 132-141.	1.6	71
71	The hadron-quark phase transition in neutron stars. Nuclear Physics A, 2005, 749, 337-340.	1.5	6
72	Transmission of light in deep sea water at the site of the Antares neutrino telescope. Astroparticle Physics, 2005, 23, 131-155.	4.3	101

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73	Publisher's Note: TeV Neutrinos from Young Neutron Stars [Phys. Rev. Lett. 94, 181101 (2005)]. Physical Review Letters, 2005, 94, .	7.8	2
74	TeV Neutrinos from Young Neutron Stars. Physical Review Letters, 2005, 94, 181101.	7.8	18
75	Three-body forces and neutron star structure. Physical Review C, 2004, 69, .	2.9	138
76	Hybrid stars with the color dielectric and the MIT bag models. Physical Review D, 2004, 70, .	4.7	77
77	Neutron stars and the transition to color superconducting quark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 562, 153-160.	4.1	139
78	THE BETHE-BRUECKNER-GOLDSTONE THEORY OF THE NUCLEAR EQUATION OF STATE AND NEUTRON STARS. International Journal of Modern Physics B, 2003, 17, 5127-5137.	2.0	2
79	On the maximum rotational frequency of neutron and hybrid stars. Astronomy and Astrophysics, 2003, 408, 675-680.	5.1	18
80	Radial Modes of Neutron Stars with a Quark Core. Astrophysical Journal, 2002, 566, L89-L92.	4.5	19
81	Hadron-quark phase transition in dense matter and neutron stars. Physical Review C, 2002, 66, .	2.9	187
82	Maximum mass of neutron stars with a quark core. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 526, 19-26.	4.1	76
83	Hyperon stars in the Brueckner-Bethe-Goldstone theory. Physical Review C, 2000, 61, .	2.9	284
84	Generalized entropy and temperature in nuclear multifragmentation. Physical Review C, 1998, 58, 2238-2248.	2.9	4
85	One-body dissipation and chaotic dynamics in a classical simulation of a nuclear gas. Physical Review C, 1998, 58, 2821-2830.	2.9	12
86	Onset of hyperon formation in neutron star matter from Brueckner theory. Physical Review C, 1998, 58, 3688-3695.	2.9	142
87	Chaos vs linear instability in the Vlasov equation: A fractal analysis characterization. Physical Review C, 1996, 53, 2556-2559.	2.9	10
88	Beyond linear response theory in multifragmentation. Nuclear Physics A, 1995, 583, 343-346.	1.5	4
89	Simulation of transport equations for unstable systems: Comparison between lattice and test-particle methods. Nuclear Physics A, 1995, 581, 356-372.	1.5	10
90	Chaoticity in vibrating nuclear billiards. Physical Review C, 1995, 52, 2475-2479.	2.9	17

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91	Dynamics of fragment formation in the nuclear spinodal region. <i>Physical Review C</i> , 1995, 51, 198-211.	2.9	24
92	Non-linear mean field dynamics in the nuclear spinodal zone. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 321, 307-311.	4.1	21
93	Cluster formation by a simple noise. <i>Progress in Particle and Nuclear Physics</i> , 1993, 30, 185-186.	14.4	2
94	Simulating the Langevin force by simple noise in nuclear one-body dynamics. <i>Physical Review C</i> , 1993, 47, 1395-1400.	2.9	44
95	Dynamical clusterization in the presence of instabilities. <i>Physical Review Letters</i> , 1992, 69, 885-888.	7.8	72
96	Fluctuations in nuclear dynamics: Comparison of different methods. <i>Nuclear Physics A</i> , 1992, 540, 227-260.	1.5	27
97	Phase space model of hard-photon production in heavy-ion collisions. <i>Il Nuovo Cimento A</i> , 1990, 103, 309-316.	0.2	11
98	Collisional width of giant resonances and interplay with Landau damping. <i>Physical Review C</i> , 1989, 39, 2385-2389.	2.9	9