

Jutta

List of Publications by Year in descending order

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123
papers

5,577
citations

94433

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82547

72
g-index

124
all docs

124
docs citations

124
times ranked

2459
citing authors

#	ARTICLE	IF	CITATIONS
1	Testing general relativity with present and future astrophysical observations. Classical and Quantum Gravity, 2015, 32, 243001.	4.0	943
2	Black holes, gravitational waves and fundamental physics: a roadmap. Classical and Quantum Gravity, 2019, 36, 143001.	4.0	451
3	Rotating Black Holes in Dilatonic Einstein-Gauss-Bonnet Theory. Physical Review Letters, 2011, 106, 151104.	7.8	219
4	Wormholes in Dilatonic Einstein-Gauss-Bonnet Theory. Physical Review Letters, 2011, 107, 271101.	7.8	216
5	Shadows of Einstein-dilaton-Gauss-Bonnet black holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 373-379.	4.1	163
6	Rotating boson stars and Q-balls. Physical Review D, 2005, 72, .	4.7	162
7	Perturbed black holes in Einstein-dilaton-Gauss-Bonnet gravity: Stability, ringdown, and gravitational-wave emission. Physical Review D, 2016, 94, .	4.7	152
8	Stable Lorentzian wormholes in dilatonic Einstein-Gauss-Bonnet theory. Physical Review D, 2012, 85, .	4.7	134
9	Radial perturbations of the scalarized Einstein-Gauss-Bonnet black holes. Physical Review D, 2018, 98, .	4.7	126
10	Spin-Induced Black Hole Scalarization in Einstein-Scalar-Gauss-Bonnet Theory. Physical Review Letters, 2021, 126, 011104.	7.8	115
11	Spinning black holes in Einstein-Gauss-Bonnet-dilaton theory: Nonperturbative solutions. Physical Review D, 2016, 93, .	4.7	105
12	Rotating boson stars and Q -balls. II. Negative parity and ergoregions. Physical Review D, 2008, 77, .	4.7	100
13	Quasinormal modes of Einstein-Gauss-Bonnet-dilaton black holes. Physical Review D, 2017, 96, .	4.7	96
14	Quadrupole moments of rapidly rotating compact objects in dilatonic Einstein-Gauss-Bonnet theory. Physical Review D, 2014, 90, .	4.7	80
15	Spinning and excited black holes in Einstein-scalar-Gauss-Bonnet theory. Classical and Quantum Gravity, 2020, 37, 075018.	4.0	77
16	Scalarized hairy black holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 406-412.	4.1	75
17	Search for astrophysical rotating Ellis wormholes with x-ray reflection spectroscopy. Physical Review D, 2016, 94, .	4.7	75
18	Monopole-antimonopole solution of the SU(2) Yang-Mills-Higgs model. Physical Review D, 1999, 61, .	4.7	74

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19	Rotating Hairy Black Holes. <i>Physical Review Letters</i> , 2001, 86, 3704-3707.	7.8	74
20	Monopole-antimonopole chains. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 570, 237-243.	4.1	62
21	Stable phases of boson stars. <i>Physical Review D</i> , 2012, 85, .	4.7	61
22	Monopoles, antimonopoles, and vortex rings. <i>Physical Review D</i> , 2003, 68, .	4.7	60
23	Monopole-antimonopole chains and vortex rings. <i>Physical Review D</i> , 2004, 70, .	4.7	60
24	Modified gravity from the quantum part of the metric. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	58
25	Einstein-Maxwell-scalar black holes: The hot, the cold and the bald. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 806, 135493.	4.1	57
26	Novel Einstein-scalar-Gauss-Bonnet wormholes without exotic matter. <i>Physical Review D</i> , 2020, 101, .	4.7	55
27	Rotating Ellis wormholes in four dimensions. <i>Physical Review D</i> , 2014, 90, .	4.7	50
28	Scalar and axial quasinormal modes of massive static phantom wormholes. <i>Physical Review D</i> , 2018, 98, .	4.7	50
29	Charged boson stars and black holes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 675, 102-109.	4.1	49
30	Rotating boson stars in five dimensions. <i>Physical Review D</i> , 2010, 82, .	4.7	49
31	Modified gravity from the nonperturbative quantization of a metric. <i>European Physical Journal C</i> , 2015, 75, 157.	3.9	49
32	Monopole-Antimonopole Solutions of Einstein-Yang-Mills-Higgs Theory. <i>Physical Review Letters</i> , 2000, 85, 2430-2433.	7.8	48
33	Myers-Perry black holes with scalar hair and a mass gap: Unequal spins. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 748, 30-36.	4.1	48
34	Geometry of spinning Ellis wormholes. <i>Physical Review D</i> , 2016, 94, .	4.7	47
35	Axial perturbations of the scalarized Einstein-Gauss-Bonnet black holes. <i>Physical Review D</i> , 2020, 101, .	4.7	44
36	Polar quasinormal modes of the scalarized Einstein-Gauss-Bonnet black holes. <i>Physical Review D</i> , 2020, 102, .	4.7	40

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37	Scalarization of neutron stars with realistic equations of state. <i>Physical Review D</i> , 2017, 96, .	4.7	39
38	Gravitating stationary dyons and rotating vortex rings. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 623, 171-178.	4.1	37
39	Quasinormal modes of hot, cold and bald Einstein-Maxwell-scalar black holes. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	34
40	Gravitating monopole-antimonopole chains and vortex rings. <i>Physical Review D</i> , 2005, 71, .	4.7	32
41	Transitions between vortex rings, and monopole-antimonopole chains. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 640, 57-63.	4.1	32
42	Excited boson stars. <i>Physical Review D</i> , 2017, 96, .	4.7	32
43	Multipolar boson stars: Macroscopic Bose-Einstein condensates akin to hydrogen orbitals. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 812, 136027.	4.1	32
44	Quasinormal modes of compact objects in alternative theories of gravity. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	31
45	Boson shells harboring charged black holes. <i>Physical Review D</i> , 2010, 82, .	4.7	30
46	Rotating wormholes in five dimensions. <i>Physical Review D</i> , 2013, 88, .	4.7	30
47	Ultra-long-lived quasi-normal modes of neutron stars in massive scalar-tensor gravity. <i>Europhysics Letters</i> , 2020, 130, 50002.	2.0	30
48	Observational signatures of strongly naked singularities: image of the thin accretion disk. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	29
49	Dynamics of test particles in the general five-dimensional Myers-Perry spacetime. <i>Physical Review D</i> , 2014, 89, .	4.7	27
50	A star harbouring a wormhole at its core. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 031-031.	5.4	26
51	Testing Einstein-dilaton-Gauss-Bonnet gravity with the reflection spectrum of accreting black holes. <i>Physical Review D</i> , 2017, 95, .	4.7	26
52	Particle-like ultracompact objects in Einstein-scalar-Gauss-Bonnet theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 804, 135401.	4.1	26
53	Boson stars with nontrivial topology. <i>Physical Review D</i> , 2014, 90, .	4.7	25
54	Particle motion in Horava-Lifshitz black hole space-times. <i>Physical Review D</i> , 2011, 84, .	4.7	24

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55	Mixed neutron-star-plus-wormhole systems: Linear stability analysis. <i>Physical Review D</i> , 2013, 87, .	4.7	24
56	Spinning wormholes in scalar-tensor theory. <i>Physical Review D</i> , 2018, 97, .	4.7	24
57	Static Orbits in Rotating Spacetimes. <i>Physical Review Letters</i> , 2018, 120, 201103.	7.8	24
58	Non-abelian black holes with magnetic dipole hair. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 494, 130-134.	4.1	22
59	Mixed neutron-star-plus-wormhole systems: Equilibrium configurations. <i>Physical Review D</i> , 2012, 85, .	4.7	22
60	Hiding a neutron star inside a wormhole. <i>Physical Review D</i> , 2014, 89, .	4.7	21
61	Multiple shadows from distorted static black holes. <i>Physical Review D</i> , 2018, 97, .	4.7	19
62	Axial quasinormal modes of neutron stars in R2 gravity. <i>Physical Review D</i> , 2018, 98, .	4.7	19
63	Black holes in Einstein-Gauß-Bonnet-dilaton theory. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 265-272.	0.0	18
64	Axial quasinormal modes of scalarized neutron stars with massive self-interacting scalar field. <i>Physical Review D</i> , 2019, 99, .	4.7	18
65	Quasinormal modes of dilatonic Reissner-Nordström black holes. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	18
66	Spontaneously vectorized Einstein-Gauss-Bonnet black holes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 817, 136336.	4.1	18
67	Compact (A)dS boson stars and shells. <i>Physical Review D</i> , 2013, 88, .	4.7	17
68	Probing the universality of synchronised hair around rotating black holes with Q-clouds. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 779, 151-159.	4.1	17
69	Kerr black holes with parity-odd scalar hair. <i>Physical Review D</i> , 2019, 100, .	4.7	17
70	Properties of ultracompact particlelike solutions in Einstein-scalar-Gauss-Bonnet theories. <i>Physical Review D</i> , 2020, 102, .	4.7	17
71	Kerr black holes with synchronised scalar hair and boson stars in the Einstein-Friedberg-Lee-Sirlin model. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	16
72	Structure of rotating charged boson stars. <i>Physical Review D</i> , 2019, 99, .	4.7	16

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73	Squashed, magnetized black holes in $D = 5$ minimal gauged supergravity. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	15
74	Wormholes immersed in rotating matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 778, 161-166.	4.1	15
75	Chains of boson stars. <i>Physical Review D</i> , 2021, 103, .	4.7	15
76	Gravitating monopole-antimonopole systems at large scalar coupling. <i>Physical Review D</i> , 2007, 75, .	4.7	14
77	Sphalerons, antisphalerons and vortex rings. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 663, 438-444.	4.1	14
78	Can mixed star-plus-wormhole systems mimic black holes?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 030-030.	5.4	14
79	Wormholes in Einstein-scalar-Gauss-Bonnet theories with a scalar self-interaction potential. <i>Physical Review D</i> , 2020, 102, .	4.7	14
80	Quasiperiodic oscillations around rotating traversable wormholes. <i>Physical Review D</i> , 2021, 104, .	4.7	14
81	Radial perturbations of scalar-Gauss-Bonnet black holes beyond spontaneous scalarization. <i>Physical Review D</i> , 2022, 105, .	4.7	14
82	Magnetic fields in mixed neutron-star-plus-wormhole systems. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 005-005.	5.4	13
83	Rotating black holes with non-Abelian hair. <i>Classical and Quantum Gravity</i> , 2016, 33, 234002.	4.0	13
84	Spontaneous symmetry breaking in wormholes spacetimes with matter. <i>Physical Review D</i> , 2017, 95, .	4.7	13
85	Symmetric and asymmetric wormholes immersed in rotating matter. <i>Physical Review D</i> , 2018, 97, .	4.7	12
86	Black ringoids: spinning balanced black objects in $d \neq 5$ dimensions – the codimension-two case. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	11
87	Properties of the distorted Kerr black hole. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 009-009.	5.4	10
88	Retrograde polish doughnuts around boson stars. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 063.	5.4	10
89	Quasiperiodic oscillations in rotating Ellis wormhole spacetimes. <i>Physical Review D</i> , 2021, 104, .	4.7	10
90	Non-Abelian fields in AdS_4 spacetime: Axially symmetric, composite configurations. <i>Physical Review D</i> , 2014, 90, .	4.7	9

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91	Critical Solutions of Scalarized Black Holes. Symmetry, 2020, 12, 2057.	2.2	9
92	Polar Quasinormal Modes of Neutron Stars in Massive Scalar-Tensor Theories. Frontiers in Physics, 2021, 9, .	2.1	9
93	Ellis wormholes in anti-de Sitter space. European Physical Journal C, 2021, 81, 1.	3.9	9
94	Magnetized black holes in an external gravitational field. Physical Review D, 2017, 96, .	4.7	8
95	$U_1 = 0.784314 r_{\text{g}} \text{BT} / \text{Overlock } 10^5 \text{Tf} 50 \text{ } 5774 d \text{ (stretchy="false")}$ Einstein-Friedberg-Lee-Sirlin model. Physical Review D, 2022, 105, .	4.7	7
96	Gravitating sphaleron-antisphaleron systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 663, 136-140.	4.1	7
97	Rotating electroweak sphaleron-antisphaleron systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 686, 298-306.	4.1	7
98	Myers-Perry black hole in an external gravitational field. Physical Review D, 2015, 91, .	4.7	7
99	Horndeski-Proca stars with vector hair. Physical Review D, 2022, 105, .	4.7	7
100	Scalarized Nutty Wormholes. Symmetry, 2021, 13, 89.	2.2	6
101	Compact Objects in Alternative Gravities. Universe, 2022, 8, 153.	2.5	6
102	Thick toroidal configurations around scalarized Kerr black holes. Physical Review D, 2021, 104, .	4.7	6
103	Axially symmetric Yang-Mills-Higgs solutions in AdS spacetime. Physical Review D, 2012, 86, .	4.7	5
104	Balancing a static black ring with a phantom scalar field. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134892.	4.1	5
105	Thin-shell toroidal wormhole. Physical Review D, 2019, 99, .	4.7	5
106	Mass gap for a monopole interacting with a nonlinear spinor field. Physical Review D, 2021, 104, .	4.7	5
107	Properties of charged rotating electroweak sphaleron-antisphaleron systems. Physical Review D, 2010, 82, .	4.7	4
108	Rotating Wormholes. Fundamental Theories of Physics, 2017, , 35-61.	0.3	4

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109	Phase diagrams of charged compact boson stars. European Physical Journal C, 2019, 79, 1.	3.9	4
110	Tidal effects in the motion of gas clouds around boson stars. Physical Review D, 2021, 103, .	4.7	3
111	Wormhole solutions with NUT charge in higher curvature theories. Arabian Journal of Mathematics, 2022, 11, 31-41.	0.9	3
112	Quasiperiodic oscillations from the accretion disk around distorted black holes. Physical Review D, 2020, 102, .	4.7	2
113	Scalarized black holes. Arabian Journal of Mathematics, 2022, 11, 17-30.	0.9	2
114	Axial perturbations of hairy Gauss-Bonnet black holes with a massive self-interacting scalar field. Physical Review D, 2022, 105, .	4.7	2
115	ANALYTIC SOLUTION OF GEODESIC EQUATIONS IN HIGHER DIMENSIONAL SPHERICALLY SYMMETRIC SPACE-TIMES. , 2012, , .		1
116	CHARGED PARTICLE INTERFEROMETRY IN PLEBAŃSKI-DEMIAŃSKI BLACK HOLE SPACE-TIMES. , 2012, , .		0
117	Radial excitations of non-static $J = 0$ black holes in Einstein-Maxwell-Chern-Simons gravity. , 2017, , .		0
118	Distorted black holes in an external magnetic field. AIP Conference Proceedings, 2019, , .	0.4	0
119	Energy conditions for a $T_{mn} > 2$ wormhole at the center. Physical Review D, 2019, 100, .	4.7	0
120	Rotating wormholes supported by a complex phantom scalar field with Mexican hat potential. AIP Conference Proceedings, 2021, , .	0.4	0
121	COMPLETE SET OF ANALYTIC SOLUTIONS FOR THE GEODESIC EQUATION IN PLEBAŃSKI-DEMIAŃSKI SPACE-TIMES. , 2012, , .		0
122	(Un)balanced Holographic Superconductors with Electric and Spin Motive Force Coupling. Universe, 2022, 8, 107.	2.5	0
123	Hyperelliptic Functions and Motion in General Relativity. Mathematics, 2022, 10, 1958.	2.2	0