

# Jutta

## List of Publications by Year in descending order

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Version: 2024-02-01

123  
papers

5,577  
citations

94433

37  
h-index

82547

72  
g-index

124  
all docs

124  
docs citations

124  
times ranked

2459  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wormhole solutions with NUT charge in higher curvature theories. Arabian Journal of Mathematics, 2022, 11, 31-41.	0.9	3
2	Scalarized black holes. Arabian Journal of Mathematics, 2022, 11, 17-30.	0.9	2
3	(Un)balanced Holographic Superconductors with Electric and Spin Motive Force Coupling. Universe, 2022, 8, 107.	2.5	0
4	Axial perturbations of hairy Gauss-Bonnet black holes with a massive self-interacting scalar field. Physical Review D, 2022, 105, .	4.7	2
5	Horndeski-Proca stars with vector hair. Physical Review D, 2022, 105, .	4.7	7
6	Compact Objects in Alternative Gravities. Universe, 2022, 8, 153.	2.5	6
7	$U = \int d^4x \sqrt{-g} \left[ -\frac{1}{2} \nabla_\mu \phi \nabla^\mu \phi - V(\phi) \right]$ Einstein-Friedberg-Lee-Silin model. Physical Review D, 2022, 105, .	4.7	14
8	Radial perturbations of scalar-Gauss-Bonnet black holes beyond spontaneous scalarization. Physical Review D, 2022, 105, .	4.7	14
9	Hyperelliptic Functions and Motion in General Relativity. Mathematics, 2022, 10, 1958.	2.2	0
10	Scalarized Nutty Wormholes. Symmetry, 2021, 13, 89.	2.2	6
11	Rotating wormholes supported by a complex phantom scalar field with Mexican hat potential. AIP Conference Proceedings, 2021, . .	0.4	0
12	Quasinormal modes of hot, cold and bald Einstein-Maxwell-scalar black holes. European Physical Journal C, 2021, 81, 1.	3.9	34
13	Retrograde polish doughnuts around boson stars. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 063.	5.4	10
14	Chains of boson stars. Physical Review D, 2021, 103, .	4.7	15
15	Tidal effects in the motion of gas clouds around boson stars. Physical Review D, 2021, 103, .	4.7	3
16	Spontaneously vectorized Einstein-Gauss-Bonnet black holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 817, 136336.	4.1	18
17	Quasiperiodic oscillations around rotating traversable wormholes. Physical Review D, 2021, 104, .	4.7	14
18	Polar Quasinormal Modes of Neutron Stars in Massive Scalar-Tensor Theories. Frontiers in Physics, 2021, 9, .	2.1	9

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19	Mass gap for a monopole interacting with a nonlinear spinor field. <i>Physical Review D</i> , 2021, 104, .	4.7	5
20	Ellis wormholes in anti-de Sitter space. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	9
21	Quasiperiodic oscillations in rotating Ellis wormhole spacetimes. <i>Physical Review D</i> , 2021, 104, .	4.7	10
22	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
23	Spin-Induced Black Hole Scalarization in Einstein-Scalar-Gauss-Bonnet Theory. <i>Physical Review Letters</i> , 2021, 126, 011104.	7.8	115
24	Thick toroidal configurations around scalarized Kerr black holes. <i>Physical Review D</i> , 2021, 104, .	4.7	6
25	Observational signatures of strongly naked singularities: image of the thin accretion disk. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	29
26	Properties of ultracompact particlelike solutions in Einstein-scalar-Gauss-Bonnet theories. <i>Physical Review D</i> , 2020, 102, .	4.7	17
27	Polar quasinormal modes of the scalarized Einstein-Gauss-Bonnet black holes. <i>Physical Review D</i> , 2020, 102, .	4.7	40
28	Novel Einstein-“scalar-Gauss-Bonnet wormholes without exotic matter. <i>Physical Review D</i> , 2020, 101, .	4.7	55
29	Wormholes in Einstein-scalar-Gauss-Bonnet theories with a scalar self-interaction potential. <i>Physical Review D</i> , 2020, 102, .	4.7	14
30	Quasiperiodic oscillations from the accretion disk around distorted black holes. <i>Physical Review D</i> , 2020, 102, .	4.7	2
31	Critical Solutions of Scalarized Black Holes. <i>Symmetry</i> , 2020, 12, 2057.	2.2	9
32	Axial perturbations of the scalarized Einstein-Gauss-Bonnet black holes. <i>Physical Review D</i> , 2020, 101, .	4.7	44
33	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
34	Ultra-long-lived quasi-normal modes of neutron stars in massive scalar-tensor gravity. <i>Europhysics Letters</i> , 2020, 130, 50002.	2.0	30
35	Spinning and excited black holes in Einstein-scalar-Gauss-“Bonnet theory. <i>Classical and Quantum Gravity</i> , 2020, 37, 075018.	4.0	77
36	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

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37	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
38	Balancing a static black ring with a phantom scalar field. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 797, 134892.	4.1	5
39	Kerr black holes with parity-odd scalar hair. <i>Physical Review D</i> , 2019, 100, .	4.7	17
40	Black holes, gravitational waves and fundamental physics: a roadmap. <i>Classical and Quantum Gravity</i> , 2019, 36, 143001.	4.0	451
41	Structure of rotating charged boson stars. <i>Physical Review D</i> , 2019, 99, .	4.7	16
42	Phase diagrams of charged compact boson stars. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	4
43	Axial quasinormal modes of scalarized neutron stars with massive self-interacting scalar field. <i>Physical Review D</i> , 2019, 99, .	4.7	18
44	Distorted black holes in an external magnetic field. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
45	Quasinormal modes of compact objects in alternative theories of gravity. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	31
46	Thin-shell toroidal wormhole. <i>Physical Review D</i> , 2019, 99, .	4.7	5
47	Quasinormal modes of dilatonic Reissner-Nordström black holes. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	18
48	Energy conditions for a $T^2$ wormhole at the center. <i>Physical Review D</i> , 2019, 100, .	4.7	0
49	Multiple shadows from distorted static black holes. <i>Physical Review D</i> , 2018, 97, .	4.7	19
50	Squashed, magnetized black holes in $D = 5$ minimal gauged supergravity. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	15
51	Spinning wormholes in scalar-tensor theory. <i>Physical Review D</i> , 2018, 97, .	4.7	24
52	Axial quasinormal modes of neutron stars in $R^2$ gravity. <i>Physical Review D</i> , 2018, 98, .	4.7	19
53	Radial perturbations of the scalarized Einstein-Gauss-Bonnet black holes. <i>Physical Review D</i> , 2018, 98, .	4.7	126
54	Static Orbits in Rotating Spacetimes. <i>Physical Review Letters</i> , 2018, 120, 201103.	7.8	24

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55	Wormholes immersed in rotating matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 161-166.	4.1	15
56	Probing the universality of synchronised hair around rotating black holes with Q-clouds. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 151-159.	4.1	17
57	Scalar and axial quasinormal modes of massive static phantom wormholes. Physical Review D, 2018, 98, .	4.7	50
58	Symmetric and asymmetric wormholes immersed in rotating matter. Physical Review D, 2018, 97, .	4.7	12
59	Rotating Wormholes. Fundamental Theories of Physics, 2017, , 35-61.	0.3	4
60	Shadows of Einsteinâ€“dilatonâ€“Gaussâ€“Bonnet black holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 373-379.	4.1	163
61	Spontaneous symmetry breaking in wormholes spacetimes with matter. Physical Review D, 2017, 95, .	4.7	13
62	Scalarization of neutron stars with realistic equations of state. Physical Review D, 2017, 96, .	4.7	39
63	Quasinormal modes of Einstein-Gauss-Bonnet-dilaton black holes. Physical Review D, 2017, 96, .	4.7	96
64	Testing Einstein-dilaton-Gauss-Bonnet gravity with the reflection spectrum of accreting black holes. Physical Review D, 2017, 95, .	4.7	26
65	Radial excitations of non-static $\langle i \rangle \langle /i \rangle = 0$ black holes in Einstein-Maxwell-Chern-Simons gravity. , 2017, , .		0
66	Excited boson stars. Physical Review D, 2017, 96, .	4.7	32
67	Magnetized black holes in an external gravitational field. Physical Review D, 2017, 96, .	4.7	8
68	Rotating black holes with non-Abelian hair. Classical and Quantum Gravity, 2016, 33, 234002.	4.0	13
69	Search for astrophysical rotating Ellis wormholes with x-ray reflection spectroscopy. Physical Review D, 2016, 94, .	4.7	75
70	Can mixed star-plus-wormhole systems mimic black holes?. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 030-030.	5.4	14
71	Spinning black holes in Einsteinâ€“Gauss-Bonnetâ€“dilaton theory: Nonperturbative solutions. Physical Review D, 2016, 93, .	4.7	105
72	Perturbed black holes in Einstein-dilaton-Gauss-Bonnet gravity: Stability, ringdown, and gravitational-wave emission. Physical Review D, 2016, 94, .	4.7	152

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73	Geometry of spinning Ellis wormholes. Physical Review D, 2016, 94, .	4.7	47
74	Black holes in Einstein-Gauss-Bonnet-dilaton theory. Proceedings of the International Astronomical Union, 2016, 12, 265-272.	0.0	18
75	Myers-Perry black holes with scalar hair and a mass gap: Unequal spins. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 30-36.	4.1	48
76	Modified gravity from the nonperturbative quantization of a metric. European Physical Journal C, 2015, 75, 157.	3.9	49
77	Testing general relativity with present and future astrophysical observations. Classical and Quantum Gravity, 2015, 32, 243001.	4.0	943
78	Properties of the distorted Kerr black hole. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 009-009.	5.4	10
79	Scalarized hairy black holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 406-412.	4.1	75
80	Myers-Perry black hole in an external gravitational field. Physical Review D, 2015, 91, .	4.7	7
81	Black ringoids: spinning balanced black objects in $d \geq 5$ dimensions – the codimension-two case. Journal of High Energy Physics, 2015, 2015, 1.	4.7	11
82	Magnetic fields in mixed neutron-star-plus-wormhole systems. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 005-005.	5.4	13
83	Boson stars with nontrivial topology. Physical Review D, 2014, 90, .	4.7	25
84	Rotating Ellis wormholes in four dimensions. Physical Review D, 2014, 90, .	4.7	50
85	Quadrupole moments of rapidly rotating compact objects in dilatonic Einstein-Gauss-Bonnet theory. Physical Review D, 2014, 90, .	4.7	80
86	Non-Abelian fields in AdS4 spacetime: Axially symmetric, composite configurations. Physical Review D, 2014, 90, .	4.7	9
87	Modified gravity from the quantum part of the metric. European Physical Journal C, 2014, 74, 1.	3.9	58
88	Hiding a neutron star inside a wormhole. Physical Review D, 2014, 89, .	4.7	21
89	Dynamics of test particles in the general five-dimensional Myers-Perry spacetime. Physical Review D, 2014, 89, .	4.7	27
90	Rotating wormholes in five dimensions. Physical Review D, 2013, 88, .	4.7	30

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91	Mixed neutron-star-plus-wormhole systems: Linear stability analysis. <i>Physical Review D</i> , 2013, 87, .	4.7	24
92	Compact (A)dS boson stars and shells. <i>Physical Review D</i> , 2013, 88, .	4.7	17
93	Mixed neutron-star-plus-wormhole systems: Equilibrium configurations. <i>Physical Review D</i> , 2012, 85, .	4.7	22
94	Stable phases of boson stars. <i>Physical Review D</i> , 2012, 85, .	4.7	61
95	ANALYTIC SOLUTION OF GEODESIC EQUATIONS IN HIGHER DIMENSIONAL SPHERICALLY SYMMETRIC SPACE-TIMES. , 2012, , .		1
96	CHARGED PARTICLE INTERFEROMETRY IN PLEBAŃSKI-DEMIAŃSKI BLACK HOLE SPACE-TIMES. , 2012, , .		0
97	Axially symmetric Yang-Mills-Higgs solutions in AdS spacetime. <i>Physical Review D</i> , 2012, 86, .	4.7	5
98	Stable Lorentzian wormholes in dilatonic Einstein-Gauss-Bonnet theory. <i>Physical Review D</i> , 2012, 85, .	4.7	134
99	COMPLETE SET OF ANALYTIC SOLUTIONS FOR THE GEODESIC EQUATION IN PLEBAŃSKI-DEMIAŃSKI SPACE-TIMES. , 2012, , .		0
100	A star harbouring a wormhole at its core. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 031-031.	5.4	26
101	Particle motion in Hořava-Lifshitz black hole space-times. <i>Physical Review D</i> , 2011, 84, .	4.7	24
102	Rotating Black Holes in Dilatonic Einstein-Gauss-Bonnet Theory. <i>Physical Review Letters</i> , 2011, 106, 151104.	7.8	219
103	Wormholes in Dilatonic Einstein-Gauss-Bonnet Theory. <i>Physical Review Letters</i> , 2011, 107, 271101.	7.8	216
104	Rotating electroweak sphaleron-antisphaleron systems. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 686, 298-306.	4.1	7
105	Rotating boson stars in five dimensions. <i>Physical Review D</i> , 2010, 82, .	4.7	49
106	Boson shells harboring charged black holes. <i>Physical Review D</i> , 2010, 82, .	4.7	30
107	Properties of charged rotating electroweak sphaleron-antisphaleron systems. <i>Physical Review D</i> , 2010, 82, .	4.7	4
108	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

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109	Gravitating sphaleron-antisphaleron systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 663, 136-140.	4.1	7
110	Sphalerons, antisphalerons and vortex rings. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 663, 438-444.	4.1	14
111	Rotating boson stars and $Q$ -balls. II. Negative parity and ergoregions. Physical Review D, 2008, 77, .	4.7	100
112	Gravitating monopole-antimonopole systems at large scalar coupling. Physical Review D, 2007, 75, .	4.7	14
113	Transitions between vortex rings, and monopole-antimonopole chains. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 640, 57-63.	4.1	32
114	Gravitating stationary dyons and rotating vortex rings. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 623, 171-178.	4.1	37
115	Gravitating monopole-antimonopole chains and vortex rings. Physical Review D, 2005, 71, .	4.7	32
116	Rotating boson stars and $Q$ -balls. Physical Review D, 2005, 72, .	4.7	162
117	Monopole-antimonopole chains and vortex rings. Physical Review D, 2004, 70, .	4.7	60
118	Monopole-antimonopole chains. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 570, 237-243.	4.1	62
119	Monopoles, antimonopoles, and vortex rings. Physical Review D, 2003, 68, .	4.7	60
120	Rotating Hairy Black Holes. Physical Review Letters, 2001, 86, 3704-3707.	7.8	74
121	Non-abelian black holes with magnetic dipole hair. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 494, 130-134.	4.1	22
122	Monopole-Antimonopole Solutions of Einstein-Yang-Mills-Higgs Theory. Physical Review Letters, 2000, 85, 2430-2433.	7.8	48
123	Monopole-antimonopole solution of the $SU(2)$ Yang-Mills-Higgs model. Physical Review D, 1999, 61, .	4.7	74