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List of Publications by Year
in descending order

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153	6,766	57758	64796
papers	citations	44 h-index	79 g-index

157	157	157	2181
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Black holes, gravitational waves and fundamental physics: a roadmap. Classical and Quantum Gravity, 2019, 36, 143001.	4.0	451
2	Scalar, electromagnetic, and Weyl perturbations of BTZ black holes: Quasinormal modes. Physical Review D, 2001, 63, .	4.7	297
3	Morris-Thorne wormholes with a cosmological constant. Physical Review D, 2003, 68, .	4.7	282
4	Quasinormal modes of Schwarzschildâ€“anti-de Sitter black holes: Electromagnetic and gravitational perturbations. Physical Review D, 2001, 64, .	4.7	277
5	Rotating charged black strings and three-dimensional black holes. Physical Review D, 1996, 54, 3840-3853.	4.7	259
6	Black-hole bomb and superradiant instabilities. Physical Review D, 2004, 70, .	4.7	242
7	Electrically charged compact stars and formation of charged black holes. Physical Review D, 2003, 68, .	4.7	206
8	Quasinormal frequencies of Schwarzschild black holes in antiâ€“de Sitter spacetimes: A complete study of the overtone asymptotic behavior. Physical Review D, 2003, 68, .	4.7	175
9	Two-dimensional black holes and planar general relativity. Classical and Quantum Gravity, 1995, 12, 1081-1086.	4.0	167
10	Quasinormal modes of the near extremal Schwarzschildâ€“de Sitter black hole. Physical Review D, 2003, 67, .	4.7	165
11	Gravitational radiation inD-dimensional spacetimes. Physical Review D, 2003, 67, .	4.7	154
12	Quasinormal modes and classical wave propagation in analogue black holes. Physical Review D, 2004, 70, .	4.7	133
13	Thermodynamics of Reissnerâ€“NordstrÃ¶mâ€“anti-de Sitter black holes in the grand canonical ensemble. Physical Review D, 1999, 59, .	4.7	128
14	Publisherâ€™s Note: Black-hole bomb and superradiant instabilities [Phys. Rev. D70, 044039 (2004)]. Physical Review D, 2004, 70, .	4.7	126
15	Quasinormal modes of regular black holes. Physical Review D, 2013, 87, .	4.7	126
16	Plane symmetric thin-shell wormholes: Solutions and stability. Physical Review D, 2008, 78, .	4.7	124
17	Regular black holes: Electrically charged solutions, Reissner-NordstrÃ¶m outside a deÂSitter core. Physical Review D, 2011, 83, .	4.7	122
18	Thin-shell wormholes ind-dimensional general relativity: Solutions, properties, and stability. Physical Review D, 2010, 82, .	4.7	119

#	Article	IF	Citations
19	Quasinormal modes of Schwarzschild black holes in four and higher dimensions. Physical Review D, 2004, 69, .	4.7	116
20	Plane symmetric traversable wormholes in an antiâ€“de Sitter background. Physical Review D, 2004, 69, .	4.7	104
21	Non-minimal coupling for the gravitational and electromagnetic fields: a general system of equations. Classical and Quantum Gravity, 2005, 22, 1867-1880.	4.0	89
22	Quasi-normal modes of toroidal, cylindrical and planar black holes in anti-de Sitter spacetimes: scalar, electromagnetic and gravitational perturbations. Classical and Quantum Gravity, 2001, 18, 5257-5267.	4.0	87
23	Exact general relativistic thin disks around black holes. Physical Review D, 1994, 49, 5135-5143.	4.7	86
24	Cylindrical wormholes. Physical Review D, 2009, 79, .	4.7	81
25	Pair of accelerated black holes in an antiâ€“de Sitter background: The AdSCmetric. Physical Review D, 2003, 67, .	4.7	80
26	Nariai, Bertotti-Robinson, and anti-Nariai solutions in higher dimensions. Physical Review D, 2004, 70, .	4.7	78
27	Naked singularities: Gravitationally collapsing configurations of dust or radiation in spherical symmetry, a unified treatment. Physical Review Letters, 1992, 68, 1447-1450.	7.8	69
28	Rotating magnetic solution in three dimensional Einstein gravity. Journal of High Energy Physics, 2002, 2002, 006-006.	4.7	65
29	Wormholes in generalized hybrid metric-Palatini gravity obeying the matter null energy condition everywhere. Physical Review D, 2018, 98, .	4.7	65
30	Lensing and shadow of a black hole surrounded by a heavy accretion disk. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 035-035.	5.4	64
31	Cosmological solutions in generalized hybrid metric-Palatini gravity. Physical Review D, 2017, 95, .	4.7	62
32	Black hole mimickers: Regular versus singular behavior. Physical Review D, 2008, 78, .	4.7	60
33	Quasinormal modes and stability of the rotating acoustic black hole: Numerical analysis. Physical Review D, 2004, 70, .	4.7	58
34	Polytropic spheres with electric charge: Compact stars, the Oppenheimer-Volkoff and Buchdahl limits, and quasiblack holes. Physical Review D, 2013, 88, .	4.7	58
35	Gravitational collapse to toroidal, cylindrical, and planar black holes. Physical Review D, 1998, 57, 4600-4605.	4.7	54
36	Rotating cylindrical wormholes. Physical Review D, 2013, 87, .	4.7	53

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37	Nonminimal coupling for the gravitational and electromagnetic fields: Black hole solutions and solitons. Physical Review D, 2008, 77, .	4.7	50
38	Pair of accelerated black holes in a de Sitter background: The dSCmetric. Physical Review D, 2003, 67, .	4.7	49
39	Late-time tails of wave propagation in higher dimensional spacetimes. Physical Review D, 2003, 68, .	4.7	48
40	New instability for rotating black branes and strings. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 621, 219-223.	4.1	48
41	Quasi-black holes: Definition and general properties. Physical Review D, 2007, 76, .	4.7	48
42	Black holes of a general two-dimensional dilaton gravity theory. Physical Review D, 1994, 49, 2897-2908.	4.7	47
43	Collapsing shells of radiation in antiâ€“de Sitter spacetimes and the hoop and cosmic censorship conjectures. Physical Review D, 1999, 59, .	4.7	46
44	Magnetic strings in anti-de Sitter general relativity. Classical and Quantum Gravity, 2002, 19, 2265-2276.	4.0	44
45	Gravitational radiation from collisions at the speed of light: a massless particle falling into a Schwarzschild black hole. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 538, 1-5.	4.1	44
46	Quasiblack holes from extremal charged dust. Physical Review D, 2004, 69, .	4.7	43
47	Thermodynamics of toroidal black holes. Journal of Mathematical Physics, 2000, 41, 4783-4789.	1.1	42
48	Black holes in three-dimensional dilaton gravity theories. Classical and Quantum Gravity, 1996, 13, 125-137.	4.0	38
49	Regular nonminimal magnetic black holes in spacetimes with a cosmological constant. Physical Review D, 2016, 93, .	4.7	38
50	Nonminimal coupling for the gravitational and electromagnetic fields: Traversable electric wormholes. Physical Review D, 2010, 81, .	4.7	37
51	Extremal limits of theCmetric: Nariai, Bertotti-Robinson, and anti-NariaiCmetrics. Physical Review D, 2003, 68, .	4.7	35
52	Scalar-gravitational perturbations and quasinormal modes in the five dimensional Schwarzschild black hole. Journal of High Energy Physics, 2003, 2003, 041-041.	4.7	33
53	COLLAPSING AND STATIC THIN MASSIVE CHARGED DUST SHELLS IN A REISSNERâ€“NORDSTRÃ–M BLACK HOLE BACKGROUND IN HIGHER DIMENSIONS. International Journal of Modern Physics A, 2008, 23, 2943-2960.	1.5	33
54	Global embedding ofD-dimensional black holes with a cosmological constant in Minkowskian spacetimes: Matching between Hawking temperature and Unruh temperature. Physical Review D, 2004, 70, .	4.7	32

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55	Thermodynamics of the two-dimensional black hole in the Teitelboim-Jackiw theory. Physical Review D, 1996, 54, 6206-6212.	4.7	31
56	Einstein-aether theory with a Maxwell field: General formalism. Annals of Physics, 2014, 350, 454-484.	2.8	29
57	Quasiblack holes with pressure: Relativistic charged spheres as the frozen stars. Physical Review D, 2010, 81, .	4.7	28
58	Entropy of quasiblack holes. Physical Review D, 2010, 81, .	4.7	27
59	Gravitational radiation from the radial infall of highly relativistic point particles into Kerr black holes. Physical Review D, 2003, 67, .	4.7	25
60	Gravitational magnetic monopoles and Majumdar-Papapetrou stars. Journal of Mathematical Physics, 2006, 47, 042504.	1.1	25
61	Bonnor stars in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>spacetime dimensions. Physical Review D, 2008, 77, .	4.7	25
62	Stability of Kerr black holes in generalized hybrid metric-Palatini gravity. Physical Review D, 2020, 101, .	4.7	24
63	Entropy of extremal black holes from entropy of quasiblack holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 37-40.	4.1	22
64	Incompressible relativistic spheres: Electrically charged stars, compactness bounds, and quasiblack hole configurations. Physical Review D, 2014, 89, .	4.7	22
65	Thermodynamics of rotating thin shells in the BTZ spacetime. Physical Review D, 2015, 92, .	4.7	22
66	Cosmological phase space of generalized hybrid metric-Palatini theories of gravity. Physical Review D, 2020, 101, .	4.7	22
67	Magnetic point sources in three-dimensional Brans-Dicke gravity theories. Physical Review D, 2002, 66, .	4.7	20
68	Electromagnetic radiation from collisions at almost the speed of light: An extremely relativistic charged particle falling into a Schwarzschild black hole. Physical Review D, 2003, 68, .	4.7	20
69	Compact stars with a small electric charge: the limiting radius to mass relation and the maximum mass for incompressible matter. European Physical Journal C, 2015, 75, 1.	3.9	20
70	Magnetic black holes and monopoles in a nonminimal Einstein-Yang-Mills theory with a cosmological constant: Exact solutions. Physical Review D, 2016, 93, .	4.7	20
71	Stationary black holes in a generalized three-dimensional theory of gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 423, 49-53.	4.1	19
72	Class of exact solutions of Einsteinâ€™s field equations in higher dimensional spacetimes,dâ‰¥4: Majumdar-Papapetrou solutions. Physical Review D, 2005, 71, .	4.7	19

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73	Electrically charged fluids with pressure in Newtonian gravitation and general relativity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>spacetime dimensions: Theorems and results for Weyl type systems. Physical Review D, 2009, 80, .	4.7	19
74	Three-dimensional BTZ black hole as a cylindrical system in four-dimensional general relativity. Physical Review D, 1996, 53, 4684-4686.	4.7	18
75	Singular behaviour of electric and magnetic fields in dielectric media in a nonlinear gravitational wave background. Classical and Quantum Gravity, 2001, 18, 941-953.	4.0	18
76	Pair creation of de Sitter black holes on a cosmic string background. Physical Review D, 2004, 69, .	4.7	18
77	OF CHARGED STARS AND CHARGED BLACK HOLES. International Journal of Modern Physics D, 2004, 13, 1375-1379.	2.1	18
78	Entropy of a self-gravitating electrically charged thin shell and the black hole limit. Physical Review D, 2015, 91, .	4.7	18
79	Thermodynamics of five-dimensional Schwarzschild black holes in the canonical ensemble. Physical Review D, 2020, 102, .	4.7	18
80	Static and rotating electrically charged black holes in three-dimensional Brans-Dicke gravity theories. Physical Review D, 2001, 64, .	4.7	17
81	Entropy of thin shells in a (2+1)-dimensional asymptotically AdS spacetime and the BTZ black hole limit. Physical Review D, 2014, 89, .	4.7	17
82	The two-dimensional analogue of general relativity. Classical and Quantum Gravity, 1994, 11, L11-L14.	4.0	16
83	No-go theorem for false vacuum black holes. Classical and Quantum Gravity, 2001, 18, 1715-1726.	4.0	16
84	Hamiltonian thermodynamics of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>-dimensional (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 312 Td (xmlns:mml	4.7	16
85	Reissner-NordstrÃ¶m-anti-de Sitter black holes with spherical, planar, and hyperbolic topology. Physical Review D, 2009, 79, . Entropy of an extremal electrically charged thin shell and the extremal black hole. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 306-311.	4.1	16
86	DeWitt-Schwinger renormalization and vacuum polarization in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>dimensions. Physical Review D, 2009, 80, .	4.7	15
87	Charged shells in Lovelock gravity: Hamiltonian treatment and physical implications. Physical Review D, 2007, 75, .	4.7	14
88	Quasiblack holes with pressure: General exact results. Physical Review D, 2010, 82, .	4.7	14
89	Junction conditions for generalized hybrid metric-Palatini gravity with applications. Physical Review D, 2021, 104, .	4.7	14
90	NON-SINGULAR CONSTANT CURVATURE TWO-DIMENSIONAL BLACK HOLE. Modern Physics Letters A, 1994, 09, 771-774.	1.2	13

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91	Cherenkov radiation in a gravitational-wave background. Classical and Quantum Gravity, 2001, 18, 2217-2232.	4.0	13
92	Entropy of extremal black holes: Horizon limits through charged thin shells in a unified approach. Physical Review D, 2016, 93, .	4.7	13
93	Regular black holes: Guilfoyleâ€™s electrically charged solutions with a perfect fluid phantom core. Physical Review D, 2016, 93, .	4.7	13
94	Black hole collision with a scalar particle in four-, five-, and seven-dimensional antiâ€“de Sitter spacetimes: Ringing and radiation. Physical Review D, 2002, 66, .	4.7	12
95	Angular momentum and mass formulas for rotating stationary quasiblack holes. Physical Review D, 2009, 79, .	4.7	12
96	Black hole thermodynamics with the cosmological constant as independent variable: Bridge between the enthalpy and the Euclidean path integral approaches. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 296-299.	4.1	12
97	Cosmology of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>f</mml:mi><mml:mo mathvariant="bold" stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo>,</mml:mo><mml:mi>â</mml:mi><mml:mi>R</mml:mi><mml:mo) Tj ET 2019, 99, .	4.7	12
98	Thermodynamics of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math> -dimensional Schwarzschild black holes in the canonical ensemble. Physical Review D, 2021, 103, .	4.7	12
99	A general class of spherical Newtonian self-similar solutions for a cold fluid â€“ II. Solutions with gravity. Monthly Notices of the Royal Astronomical Society, 1989, 240, 317-327.	4.4	11
100	Scalar synchrotron radiation in the Schwarzschildâ€“antiâ€“de Sitter geometry. Physical Review D, 2002, 65, .	4.7	11
101	Letter: The Radial Infall of a Highly Relativistic Point Particle into a Kerr Black Hole Along the Symmetry Axis. General Relativity and Gravitation, 2003, 35, 327-333.	2.0	11
102	Conformal entropy from horizon states: Solodukhinâ€™s method for spherical, toroidal, and hyperbolic black holes inD-dimensional anti-de Sitter spacetimes. Physical Review D, 2006, 74, .	4.7	11
103	Mass formula for quasi-black holes. Physical Review D, 2008, 78, .	4.7	11
104	Extremal Myers-Perry black holes coupled to Born-Infeld electrodynamics in five dimensions. Physical Review D, 2013, 87, .	4.7	11
105	EXTREMAL MYERSâ€“PERRY BLACK HOLES COUPLED TO BORNâ€“INFELD ELECTRODYNAMICS IN ODD DIMENSIONS. International Journal of Modern Physics D, 2014, 23, 1450032.	2.1	11
106	Sharp bounds on the radius of relativistic charged spheres: Guilfoyle's stars saturate the Buchdahlâ€“AndrÃ©asson bound. Classical and Quantum Gravity, 2015, 32, 135009.	4.0	11
107	Unified approach to the entropy of an extremal rotating BTZ black hole: Thin shells and horizon limits. Physical Review D, 2017, 96, .	4.7	11
108	Covariant action for bouncing cosmologies in modified Gaussâ€“Bonnet gravity. Annals of Physics, 2019, 404, 39-46.	2.8	11

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109	Pair creation of higher dimensional black holes on a de Sitter background. Physical Review D, 2004, 70, .	4.7	10
110	Holographic charge transport in Lifshitz black hole backgrounds. Journal of High Energy Physics, 2011, 2011, 1.	4.7	10
111	Supergravityp-branes reexamined: Extra parameters, uniqueness, and topological censorship. Physical Review D, 2004, 70, .	4.7	9
112	Thermodynamics of extremal rotating thin shells in an extremal BTZ spacetime and the extremal black hole entropy. Physical Review D, 2017, 95, .	4.7	9
113	Supersymmetry of the extreme rotating toroidal black hole. Nuclear Physics B, 2001, 600, 272-284.	2.5	8
114	False vacuum decay: Effective one-loop action for pair creation of domain walls. Journal of Mathematical Physics, 2001, 42, 3292-3298.	1.1	8
115	Light propagation with nonminimal couplings in a two-component cosmic dark fluid with an Archimedean-type force, and unlighted cosmological epochs. Physical Review D, 2012, 85, .	4.7	8
116	Thermodynamics and entropy of self-gravitating matter shells and black holes in d dimensions. Physical Review D, 2019, 99, .	4.7	8
117	Compact objects in general relativity: From Buchdahl stars to quasiblack holes. International Journal of Modern Physics D, 2020, 29, 2041019.	2.1	8
118	Tolman-Bondi-Vaidya spacetime: Matching timelike dust to null dust. Physical Review D, 2005, 71, .	4.7	7
119	Hamiltonian thermodynamics of charged three-dimensional dilatonic black holes. Physical Review D, 2008, 78, .	4.7	7
120	Plethora of relativistic charged spheres: The full spectrum of Guifoyleâ€™s static, electrically charged spherical solutions. Physical Review D, 2017, 95, .	4.7	7
121	Quasinormal modes of Proca fields in a Schwarzschild-AdS spacetime. Physical Review D, 2022, 105, .	4.7	7
122	Planar and axisymmetric walls in general relativity, a comparison. Journal of Mathematical Physics, 1994, 35, 3604-3611.	1.1	6
123	Thermodynamics, entropy, and stability of thin shells in2+1flat spacetimes. Physical Review D, 2013, 88, .	4.7	6
124	All fundamental electrically charged thin shells in general relativity: From star shells to tension shell black holes, regular black holes, and beyond. Physical Review D, 2021, 103, .	4.7	6
125	Maximal extension of the Schwarzschild metric: From PainlevÃ©â€“Gullstrand to Kruskalâ€“Szekeres. Annals of Physics, 2021, 430, 168497.	2.8	6
126	Membrane paradigm and entropy of black holes in the Euclidean action approach. Physical Review D, 2011, 84, .	4.7	5

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127	Rotating thin shells in (2 + 1)-dimensional asymptotically AdS spacetimes: Mechanical properties, machian effects, and energy conditions. International Journal of Modern Physics D, 2015, 24, 1542022.	2.1	5
128	Vacuum polarization in asymptotically Lifshitz black holes. Physical Review D, 2016, 93, .	4.7	5
129	Self-collision of a portal wormhole. Physical Review D, 2021, 103, .	4.7	5
130	Extraction of energy from an extremal rotating electrovacuum black hole: Particle collisions in the equatorial plane. Physical Review D, 2022, 105, .	4.7	5
131	Local conditions for the generalized covariant entropy bound. Physical Review D, 2005, 71, .	4.7	4
132	Geometric parametrization of binary elastic collisions. American Journal of Physics, 2006, 74, 584-590.	0.7	4
133	Four-dimensional antiâ€“de Sitter toroidal black holes from a three-dimensional perspective: Full complexity. Physical Review D, 2002, 66, .	4.7	3
134	Black-hole collision with a scalar particle in three-dimensional antiâ€“de Sitter spacetime. Physical Review D, 2002, 65, .	4.7	3
135	Binary collisions and the slingshot effect. Celestial Mechanics and Dynamical Astronomy, 2008, 100, 191-208.	1.4	3
136	Black hole quantum vacuum polarization in higher dimensions. Physical Review D, 2016, 94, .	4.7	3
137	Black hole mass formula in the membrane paradigm. Physical Review D, 2018, 97, .	4.7	3
138	Bubble universes and traversable wormholes. Physical Review D, 2022, 105, .	4.7	3
139	Gravitational instabilities in helicity-1 waves propagating through matter in equilibrium. Classical and Quantum Gravity, 2000, 17, L117-L124.	4.0	2
140	Hamiltonian thermodynamics of three-dimensional dilatonic black holes. Physical Review D, 2008, 78, .	4.7	2
141	New regular black hole solutions. , 2011, , .		2
142	Newtonian wormholes. General Relativity and Gravitation, 2014, 46, 1.	2.0	2
143	Stratified scalar field theories of gravitation with self-energy term and effective particle Lagrangian. European Physical Journal C, 2018, 78, 1.	3.9	2
144	Shadow of the Moon and general relativity: Einstein, Dyson, Eddington and the 1919 light deflection. Revista Brasileira De Ensino De Fisica, 2019, 41, .	0.2	2

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145	Interaction between gravitational waves and domain walls. Physical Review D, 2001, 64, .	4.7	1
146	Newtonian wormholes with spherical symmetry and tidal forces on test particles. International Journal of Modern Physics D, 2015, 24, 1542020.	2.1	1
147	QUASIBLACK HOLES: PROPERTIES AND CARTER-PENROSE DIAGRAMS. , 2015, , .		1
148	Spontaneously broken symmetry restoration of quantum fields in the vicinity of neutral and electrically charged black holes. Journal of High Energy Physics, 2019, 2019, 1.	4.7	1
149	Gravitational field of a pit and maximal mass defects. Physical Review D, 2020, 102, .	4.7	1
150	QUASI-NORMAL MODES OF SCHWARZSCHILDâ€“ANTI-DE SITTER BLACK HOLES: ELECTROMAGNETIC AND GRAVITATIONAL PERTURBATIONS. International Journal of Modern Physics A, 2002, 17, 2752-2752.	1.5	0
151	RADIATION GENERATED BY THE INFALL OF A SCALAR PARTICLE IN A SCHWARZSCHILDâ€“ANTI-DE SITTER BACKGROUND. International Journal of Modern Physics A, 2002, 17, 2767-2767.	1.5	0
152	Publisherâ€™s Note: Nonminimal coupling for the gravitational and electromagnetic fields: Traversable electric wormholes [Phys. Rev. D81, 084015 (2010)]. Physical Review D, 2010, 81, .	4.7	0
153	Quantum vacuum polarization around a Reissner-NordstrÃ¶m black hole in five dimensions. Physical Review D, 2018, 97, .	4.7	0