

Eric Poisson

List of Publications by Year in descending order

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69
papers

7,280
citations

147801

31
h-index

102487

66
g-index

71
all docs

71
docs citations

71
times ranked

3199
citing authors

#	ARTICLE	IF	CITATIONS
1	Compact body in a tidal environment: New types of relativistic Love numbers, and a post-Newtonian operational definition for tidally induced multipole moments. <i>Physical Review D</i> , 2021, 103, .	4.7	17
2	Particle hanging on a string near a Schwarzschild black hole. <i>Physical Review D</i> , 2021, 104, .	4.7	2
3	Tidally induced multipole moments of a nonrotating black hole vanish to all post-Newtonian orders. <i>Physical Review D</i> , 2021, 104, .	4.7	5
4	Gravitomagnetic Love tensor of a slowly rotating body: Post-Newtonian theory. <i>Physical Review D</i> , 2020, 102, .	4.7	25
5	Tidal driving of inertial modes of Maclaurin spheroids. <i>Physical Review D</i> , 2020, 102, .	4.7	7
6	Self-force from a conical singularity, without renormalization. <i>Physical Review D</i> , 2020, 101, .	4.7	7
7	Gravitomagnetic tidal resonance in neutron-star binary inspirals. <i>Physical Review D</i> , 2020, 101, .	4.7	29
8	Equilibrium and stability of thin spherical shells in Newtonian and relativistic gravity. <i>American Journal of Physics</i> , 2019, 87, 961-970.	0.7	12
9	Self-torque and angular momentum balance for a spinning charged sphere. <i>American Journal of Physics</i> , 2018, 86, 839-848.	0.7	5
10	EZ gauge is singular at the event horizon. <i>Classical and Quantum Gravity</i> , 2018, 35, 137001.	4.0	3
11	Nonrotating black hole in a post-Newtonian tidal environment. II.. <i>Physical Review D</i> , 2018, 97, .	4.7	10
12	Gravitomagnetic tidal currents in rotating neutron stars. <i>Physical Review D</i> , 2017, 95, .	4.7	13
13	Improved next-to-leading order tidal heating and torquing of a Kerr black hole. <i>Physical Review D</i> , 2016, 94, .	4.7	26
14	Gravitational action with null boundaries. <i>Physical Review D</i> , 2016, 94, .	4.7	238
15	Tidal deformation of a slowly rotating material body: External metric. <i>Physical Review D</i> , 2015, 91, .	4.7	84
16	Gravitomagnetic response of an irrotational body to an applied tidal field. <i>Physical Review D</i> , 2015, 91, .	4.7	42
17	Dynamical response to a stationary tidal field. <i>Physical Review D</i> , 2015, 92, .	4.7	25
18	Relativistic theory of surficial Love numbers. <i>Physical Review D</i> , 2014, 89, .	4.7	31

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19	Self-force on a charge outside a five-dimensional black hole. <i>Physical Review D</i> , 2014, 89, .	4.7	16
20	The Schwarzschild metric: It's the coordinates, stupid!. <i>American Journal of Physics</i> , 2014, 82, 295-300.	0.7	21
21	Electromagnetic self-force on a static charge in Schwarzschild-de Sitter spacetimes. <i>Classical and Quantum Gravity</i> , 2013, 30, 235033.	4.0	8
22	Tidal heating and torquing of a Kerr black hole to next-to-leading order in the tidal coupling. <i>Physical Review D</i> , 2013, 87, .	4.7	52
23	Self-force as probe of internal structure. <i>Classical and Quantum Gravity</i> , 2012, 29, 155012.	4.0	18
24	When action is not least for orbits in general relativity. <i>American Journal of Physics</i> , 2011, 79, 43-56.	0.7	2
25	Intrinsic and extrinsic geometries of a tidally deformed black hole. <i>Classical and Quantum Gravity</i> , 2011, 28, 175006.	4.0	27
26	The Motion of Point Particles in Curved Spacetime. <i>Living Reviews in Relativity</i> , 2011, 14, 7.	26.7	483
27	Geometry and dynamics of a tidally deformed black hole. <i>Physical Review D</i> , 2010, 81, .	4.7	55
28	A First Course in General Relativity (Second Edition). <i>Classical and Quantum Gravity</i> , 2010, 27, 109001.	4.0	0
29	Relativistic theory of tidal Love numbers. <i>Physical Review D</i> , 2009, 80, .	4.7	441
30	Nonrotating black hole in a post-Newtonian tidal environment. <i>Physical Review D</i> , 2008, 78, .	4.7	76
31	Gravitational Waves, Volume 1: Theory and Experiments. <i>Classical and Quantum Gravity</i> , 2008, 25, 209002.	4.0	2
32	Light-cone gauge for black-hole perturbation theory. <i>Physical Review D</i> , 2006, 74, .	4.7	21
33	Mass change and motion of a scalar charge in cosmological spacetimes. <i>Classical and Quantum Gravity</i> , 2005, 22, S739-S752.	4.0	24
34	Metric of a Tidally Distorted Nonrotating Black Hole. <i>Physical Review Letters</i> , 2005, 94, 161103.	7.8	54
35	THE GRAVITATIONAL SELF-FORCE. , 2005, , .		2
36	Gravitational perturbations of the Schwarzschild spacetime: A practical covariant and gauge-invariant formalism. <i>Physical Review D</i> , 2005, 71, .	4.7	178

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37	Radiation reaction of point particles in curved spacetime. <i>Classical and Quantum Gravity</i> , 2004, 21, R153-R232.	4.0	17
38	Absorption of mass and angular momentum by a black hole: Time-domain formalisms for gravitational perturbations, and the small-hole or slow-motion approximation. <i>Physical Review D</i> , 2004, 70, .	4.7	107
39	The Motion of Point Particles in Curved Spacetime. <i>Living Reviews in Relativity</i> , 2004, 7, 6.	26.7	294
40	Regular coordinate systems for Schwarzschild and other spherical spacetimes. <i>American Journal of Physics</i> , 2001, 69, 476-480.	0.7	186
41	Radiative falloff in black-hole spacetimesâ€”Part I. , 1999, , .		0
42	Quadrupole Moments of Rotating Neutron Stars. <i>Astrophysical Journal</i> , 1999, 512, 282-287.	4.5	174
43	Gravitational waves from binary systems in circular orbits: convergence of a partially bare multipole expansion. <i>Classical and Quantum Gravity</i> , 1998, 15, 2075-2081.	4.0	1
44	Gravitational waves from inspiraling compact binaries: The quadrupole-moment term. <i>Physical Review D</i> , 1998, 57, 5287-5290.	4.7	202
45	Gravitational waves from binary systems in circular orbits: does the post-Newtonian expansion converge?. <i>Classical and Quantum Gravity</i> , 1997, 14, 237-256.	4.0	11
46	Gravitational radiation from infall into a black hole: Regularization of the Teukolsky equation. <i>Physical Review D</i> , 1997, 55, 639-649.	4.7	15
47	Gravitational waves from inspiraling compact binaries: Second post-Newtonian waveforms as search templates. <i>Physical Review D</i> , 1997, 56, 4449-4454.	4.7	20
48	Erratum and Addendum: Gravitational radiation from a particle in circular orbit around a black hole. VI. Accuracy of the post-Newtonian expansion. <i>Physical Review D</i> , 1997, 55, 7980-7981.	4.7	42
49	Radiative multipole moments of integer-spin fields in curved spacetime. <i>Physical Review D</i> , 1997, 56, 4789-4814.	4.7	14
50	Measuring black-hole parameters and testing general relativity using gravitational-wave data from space-based interferometers. <i>Physical Review D</i> , 1996, 54, 5939-5953.	4.7	22
51	Gravitational radiation from a particle in circular orbit around a black hole. VI. Accuracy of the post-Newtonian expansion. <i>Physical Review D</i> , 1995, 52, 5719-5723.	4.7	103
52	Head-on collision of compact objects in general relativity: Comparison of post-Newtonian and perturbation approaches. <i>Physical Review D</i> , 1995, 52, 4481-4496.	4.7	18
53	Gravitational waves from inspiraling compact binaries: Parameter estimation using second-post-Newtonian waveforms. <i>Physical Review D</i> , 1995, 52, 848-855.	4.7	378
54	Gravitational radiation from a particle in circular orbit around a black hole. V. Black-hole absorption and tail corrections. <i>Physical Review D</i> , 1995, 51, 5753-5767.	4.7	119

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55	Thin-shell wormholes: Linearization stability. <i>Physical Review D</i> , 1995, 52, 7318-7321.	4.7	342
56	Classical Stability and Quantum Instability of Black-Hole Cauchy Horizons. <i>Physical Review Letters</i> , 1995, 74, 1280-1283.	7.8	22
57	Death of cosmological white holes. <i>Physical Review D</i> , 1994, 50, 6150-6157.	4.7	8
58	Gravitational radiation reaction for bound motion around a Schwarzschild black hole. <i>Physical Review D</i> , 1994, 50, 3816-3835.	4.7	192
59	Gravitational radiation from a particle in circular orbit around a black hole. IV. Analytical results for the slowly rotating case. <i>Physical Review D</i> , 1993, 48, 1860-1863.	4.7	37
60	Mass inflation: The semiclassical regime. <i>Physical Review Letters</i> , 1993, 70, 13-16.	7.8	57
61	Gravitational radiation from a particle in circular orbit around a black hole. III. Stability of circular orbits under radiation reaction. <i>Physical Review D</i> , 1993, 47, 5376-5388.	4.7	48
62	Death of white holes. <i>Physical Review D</i> , 1993, 47, 2383-2387.	4.7	11
63	Gravitational radiation from a particle in circular orbit around a black hole. II. Numerical results for the nonrotating case. <i>Physical Review D</i> , 1993, 47, 1511-1518.	4.7	129
64	Gravitational radiation from a particle in circular orbit around a black hole. I. Analytical results for the nonrotating case. <i>Physical Review D</i> , 1993, 47, 1497-1510.	4.7	181
65	The last three minutes: Issues in gravitational-wave measurements of coalescing compact binaries. <i>Physical Review Letters</i> , 1993, 70, 2984-2987.	7.8	431
66	Stability of a shell around a black hole. <i>Physical Review D</i> , 1991, 44, 1891-1894.	4.7	92
67	Quadratic gravity and the black-hole singularity. <i>Physical Review D</i> , 1991, 43, 3923-3928.	4.7	2
68	Stability of the Schwarzschild-de Sitter model. <i>Physical Review D</i> , 1990, 41, 395-402.	4.7	63
69	Internal structure of black holes. <i>Physical Review D</i> , 1990, 41, 1796-1809.	4.7	566