

# Adam Pound

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29  
papers

1,274  
citations

21  
h-index

33  
g-index

33  
ext. papers

1,569  
ext. citations

6  
avg, IF

5.58  
L-index

#	Paper	IF	Citations
29	The Motion of Point Particles in Curved Spacetime. <i>Living Reviews in Relativity</i> , <b>2011</b> , 14, 7	32.5	378
28	Self-force and radiation reaction in general relativity. <i>Reports on Progress in Physics</i> , <b>2019</b> , 82, 016904	14.4	92
27	Second-order gravitational self-force. <i>Physical Review Letters</i> , <b>2012</b> , 109, 051101	7.4	85
26	Self-consistent gravitational self-force. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	84
25	Osculating orbits in Schwarzschild spacetime, with an application to extreme mass-ratio inspirals. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	82
24	Gravitational self-force from radiation-gauge metric perturbations. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	50
23	Nonlinear gravitational self-force: Field outside a small body. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	49
22	Practical, covariant puncture for second-order self-force calculations. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	41
21	Research Update on Extreme-Mass-Ratio Inspirals. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 610, 0120023	2.3	38
20	Linear-in-mass-ratio contribution to spin precession and tidal invariants in Schwarzschild spacetime at very high post-Newtonian order. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	32
19	Magneto-optical conductivity in graphene including electron-phonon coupling. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	32
18	Multiscale analysis of the electromagnetic self-force in a weak gravitational field. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	32
17	Completion of metric reconstruction for a particle orbiting a Kerr black hole. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	31
16	Second-order perturbation theory: Problems on large scales. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	31
15	Conservative effect of the second-order gravitational self-force on quasicircular orbits in Schwarzschild spacetime. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	28
14	Singular perturbation techniques in the gravitational self-force problem. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	28
13	Second-Order Self-Force Calculation of Gravitational Binding Energy in Compact Binaries. <i>Physical Review Letters</i> , <b>2020</b> , 124, 021101	7.4	25

12	Nonlinear gravitational self-force: Second-order equation of motion. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	23
11	Effects of electron-phonon coupling on Landau levels in graphene. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	22
10	Motion of Small Objects in Curved Spacetimes: An Introduction to Gravitational Self-Force. <i>Fundamental Theories of Physics</i> , <b>2015</b> , 399-486	0.8	22
9	Second-order perturbation theory: The problem of infinite mode coupling. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	21
8	Gauge and motion in perturbation theory. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	18
7	Two-timescale evolution of extreme-mass-ratio inspirals: Waveform generation scheme for quasicircular orbits in Schwarzschild spacetime. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	14
6	Second-order gravitational self-force in a highly regular gauge. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	5
5	Gravitational-Wave Energy Flux for Compact Binaries through Second Order in the Mass Ratio. <i>Physical Review Letters</i> , <b>2021</b> , 127, 151102	7.4	4
4	Black Hole Perturbation Theory and Gravitational Self-Force <b>2021</b> , 1-119		2
3	Self-force calculations with a spinning secondary. <i>Physical Review D</i> , <b>2022</b> , 105,	4.9	2
2	New metric reconstruction scheme for gravitational self-force calculations. <i>Classical and Quantum Gravity</i> ,	3.3	1
1	Black Hole Perturbation Theory and Gravitational Self-Force <b>2022</b> , 1411-1529		