

# Ian Moss

## List of Publications by Year in descending order

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49  
papers

1,657  
citations

331670

21  
h-index

276875

41  
g-index

49  
all docs

49  
docs citations

49  
times ranked

750  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bubble collisions in the very early universe. <i>Physical Review D</i> , 1982, 26, 2681-2693.	4.7	417
2	Gravitational quasinormal modes for anti-de Sitter black holes. <i>Classical and Quantum Gravity</i> , 2002, 19, 2323-2332.	4.0	136
3	Stability of black holes in de Sitter space. <i>Physical Review D</i> , 1990, 41, 403-409.	4.7	110
4	Black holes and gravitational instantons. <i>Classical and Quantum Gravity</i> , 1989, 6, 1379-1385.	4.0	74
5	Singularity formation from colliding bubbles. <i>Physical Review D</i> , 1994, 50, 676-681.	4.7	73
6	Boundary terms in the heat kernel expansion. <i>Classical and Quantum Gravity</i> , 1989, 6, 759-765.	4.0	72
7	Quantized bulk fermions in the Randall-Sundrum brane model. <i>Physical Review D</i> , 2001, 64, .	4.7	57
8	Gravitational quasinormal modes for Kerr anti-de Sitter black holes. <i>Classical and Quantum Gravity</i> , 2005, 22, 1803-1824.	4.0	57
9	Effective action at finite temperature. <i>Physical Review D</i> , 1992, 46, 1671-1679.	4.7	47
10	Stability of the Cauchy horizon in Kerr-de Sitter spacetimes. <i>Classical and Quantum Gravity</i> , 1994, 11, 1035-1054.	4.0	46
11	The quantum geometry of random surfaces and spinning membranes. <i>Classical and Quantum Gravity</i> , 1989, 6, 1993-2027.	4.0	41
12	Local approximations for effective scalar field equations of motion. <i>Physical Review D</i> , 2007, 76, .	4.7	36
13	Particle production and reheating of the inflationary universe. <i>Physical Review D</i> , 2008, 78, .	4.7	35
14	Black-hole bubbles. <i>Physical Review D</i> , 1985, 32, 1333-1344.	4.7	33
15	Constraining warm inflation with the cosmic microwave background. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 589, 1-6.	4.1	33
16	A reassessment of the stability of the Cauchy horizon in de Sitter space. <i>Classical and Quantum Gravity</i> , 1992, 9, L43-L46.	4.0	30
17	Bulk quantum effects for de Sitter branes in AdS5. <i>Physical Review D</i> , 2003, 67, .	4.7	30
18	Wave function of the inflationary universe. <i>Physical Review D</i> , 1984, 29, 1067-1075.	4.7	28

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19	Simulating seeded vacuum decay in a cold atom system. <i>Physical Review D</i> , 2019, 100, .	4.7	28
20	Boundary terms for supergravity and low energy heterotic M-theory. <i>Nuclear Physics B</i> , 2005, 729, 179-202.	2.5	27
21	Black hole formation from massive scalar fields. <i>Classical and Quantum Gravity</i> , 1997, 14, 2607-2615.	4.0	26
22	Cosmological No-Hair Theorem. <i>Physical Review Letters</i> , 1994, 73, 617-620.	7.8	20
23	Diagrams for heat kernel expansions. <i>Classical and Quantum Gravity</i> , 1999, 16, 2611-2624.	4.0	18
24	Non-minimal Coupling of the Higgs Boson to Curvature in an Inflationary Universe. <i>Foundations of Physics</i> , 2018, 48, 110-120.	1.3	14
25	Gravitational corrections to Higgs potentials. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	14
26	Simulating cosmological supercooling with a cold-atom system. <i>Physical Review A</i> , 2020, 102, .	2.5	14
27	Black hole thermodynamics and quantum hair. <i>Physical Review Letters</i> , 1992, 69, 1852-1855.	7.8	13
28	Balancing the vacuum energy in heterotic M-theory. <i>Nuclear Physics B</i> , 2010, 833, 133-152.	2.5	12
29	Black hole evaporation in de Sitter space. <i>Classical and Quantum Gravity</i> , 2021, 38, 185005.	4.0	12
30	Monopole black hole skyrmions. <i>Classical and Quantum Gravity</i> , 2000, 17, 4161-4174.	4.0	10
31	Black holes and sphalerons. <i>Physical Review D</i> , 1992, 46, R1215-R1218.	4.7	9
32	Higgs vacuum decay in a braneworld. <i>International Journal of Modern Physics D</i> , 2020, 29, 2050005.	2.1	9
33	Topological symmetry breaking by quantum wormholes. <i>Physical Review D</i> , 1993, 48, 3725-3730.	4.7	8
34	False-vacuum decay in an ultracold spin-1 Bose gas. <i>Physical Review A</i> , 2022, 105, .	2.5	7
35	Improved effective potential. <i>Physical Review D</i> , 1994, 49, 4113-4121.	4.7	6
36	Derivative expansions of the non-equilibrium effective action. <i>Nuclear Physics B</i> , 2002, 631, 500-516.	2.5	6

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37	Cosmological bounds on tachyonic neutrinos. <i>Astroparticle Physics</i> , 2012, 35, 679-680.	4.3	6
38	Invariants of the heat equation for non-minimal operators. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 215401.	2.1	6
39	Finite-temperature effective actions for gauge fields. <i>Physical Review D</i> , 1993, 47, 5477-5486.	4.7	5
40	BRST-invariant boundary conditions and strong ellipticity. <i>Physical Review D</i> , 2013, 88, .	4.7	5
41	Higgs boson cosmology. <i>Contemporary Physics</i> , 2015, 56, 468-476.	1.8	5
42	Simulating cosmological supercooling with a cold atom system. II. Thermal damping and parametric instability. <i>Physical Review A</i> , 2021, 104, .	2.5	5
43	Anomalies, boundaries and the inâ€“in formalism. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 374022.	2.1	4
44	Journey through a black hole. <i>Classical and Quantum Gravity</i> , 1989, 6, L173-L177.	4.0	3
45	Cauchy horizon stability and cosmic censorship. <i>Classical and Quantum Gravity</i> , 2001, 18, 5097-5101.	4.0	3
46	Brane inflation with dark reheating. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 607, 214-218.	4.1	3
47	Black holes with current loops revisited. <i>Physical Review D</i> , 2011, 83, .	4.7	3
48	Quantum corrections to the kinetic term in the Randallâ€“Sundrum model. <i>Classical and Quantum Gravity</i> , 2004, 21, 1187-1196.	4.0	1
49	Reducing heterotic M-theory to five dimensional supergravity on a manifold with boundary. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	0