Harvey S Reall

List of Publications by Year
in descending order

70 papers	6,374 citations	81900 39 h-index	102487 66 g-index
71 all docs	71 docs citations	71 times ranked	1772 citing authors

#	Article	IF	Citations
1	A Rotating Black Ring Solution in Five Dimensions. Physical Review Letters, 2002, 88, 101101.	7.8	795
2	Black Holes in Higher Dimensions. Living Reviews in Relativity, 2008, 11, 6.	26.7	548
3	All supersymmetric solutions of minimal supergravity in five dimensions. Classical and Quantum Gravity, 2003, 20, 4587-4634.	4.0	468
4	General supersymmetricAdS5black holes. Journal of High Energy Physics, 2004, 2004, 048-048.	4.7	273
5	A Supersymmetric Black Ring. Physical Review Letters, 2004, 93, 211302.	7.8	271
6	Near-horizon symmetries of extremal black holes. Classical and Quantum Gravity, 2007, 24, 4169-4189.	4.0	253
7	SupersymmetricAdS5black holes. Journal of High Energy Physics, 2004, 2004, 006-006.	4.7	221
8	Generalized Weyl solutions. Physical Review D, 2002, 65, .	4.7	212
9	Black rings. Classical and Quantum Gravity, 2006, 23, R169-R197.	4.0	183
10	All supersymmetric solutions of minimal supergravity in six dimensions. Classical and Quantum Gravity, 2003, 20, 5049-5078.	4.0	175
11	Local fluid dynamical entropy from gravity. Journal of High Energy Physics, 2008, 2008, 055-055.	4.7	165
12	Higher dimensional black holes and supersymmetry. Physical Review D, 2003, 68, .	4.7	161
13	Supersymmetric black rings and three-charge supertubes. Physical Review D, 2005, 71, .	4.7	152
14	Classical and thermodynamic stability of black branes. Physical Review D, 2001, 64, .	4.7	142
15	Supersymmetric multi-chargeAdS5black holes. Journal of High Energy Physics, 2006, 2006, 036-036.	4.7	142
16	Charged brane-world black holes. Physical Review D, 2001, 63, .	4.7	123
17	Gravitational perturbations of higher dimensional rotating black holes: Tensor perturbations. Physical Review D, 2006, 74, .	4.7	118
18	An instability of higher-dimensional rotating black holes. Journal of High Energy Physics, 2010, 2010, 1.	4.7	110

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19	Kerr-CFT and gravitational perturbations. Journal of High Energy Physics, 2009, 2009, 101-101.	4.7	105
20	Supersymmetric 4D rotating black holes from 5D black rings. Journal of High Energy Physics, 2005, 2005, 042-042.	4.7	90
21	On the local well-posedness of Lovelock and Horndeski theories. Physical Review D, 2017, 96, .	4.7	79
22	On the horizon instability of an extreme Reissner-Nordström black hole. Journal of High Energy Physics, 2013, 2013, 1.	4.7	77
23	Strong cosmic censorship: taking the rough with the smooth. Journal of High Energy Physics, 2018, 2018, 1.	4.7	70
24	Gravitational instability of an extreme Kerr black hole. Physical Review D, 2012, 86, .	4.7	68
25	Strong cosmic censorship in de Sitter space. Physical Review D, 2018, 97, .	4.7	67
26	Generalization of the Geroch–Held–Penrose formalism to higher dimensions. Classical and Quantum Gravity, 2010, 27, 215010.	4.0	65
27	A scalar field condensation instability of rotating Anti-de Sitter black holes. Journal of High Energy Physics, 2010, 2010, 1.	4.7	64
28	Causality and hyperbolicity of Lovelock theories. Classical and Quantum Gravity, 2014, 31, 205005.	4.0	64
29	Well-posed formulation of Lovelock and Horndeski theories. Physical Review D, 2020, 101, .	4.7	62
30	On non-existence of static vacuum black holes with degenerate components of the event horizon. Classical and Quantum Gravity, 2006, 23, 549-554.	4.0	60
31	Do supersymmetric anti-de Sitter black rings exist?. Journal of High Energy Physics, 2007, 2007, 026-026.	4.7	58
32	Strong cosmic censorship for charged de Sitter black holes with a charged scalar field. Classical and Quantum Gravity, 2019, 36, 045005.	4.0	58
33	What happens at the horizon(s) of an extreme black hole?. Classical and Quantum Gravity, 2013, 30, 235007.	4.0	57
34	Instability of supersymmetric microstate geometries. Journal of High Energy Physics, 2016, 2016, 1.	4.7	53
35	NR/HEP: roadmap for the future. Classical and Quantum Gravity, 2012, 29, 244001.	4.0	50
36	Graviton time delay and a speed limit for small black holes in Einstein-Gauss-Bonnet theory. Journal of High Energy Physics, 2015, 2015, 1.	4.7	48

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37	Higher derivative corrections to Kerr black hole thermodynamics. Journal of High Energy Physics, 2019, 2019, 1.	4.7	45
38	Well-Posed Formulation of Scalar-Tensor Effective Field Theory. Physical Review Letters, 2020, 124, 221101.	7.8	45
39	The BTZ black hole violates strong cosmic censorship. Journal of High Energy Physics, 2019, 2019, 1.	4.7	40
40	Stable non-uniform black strings below the critical dimension. Journal of High Energy Physics, 2012, 2012, 1.	4.7	38
41	Perturbations of near-horizon geometries and instabilities of Myers-Perry black holes. Physical Review D, 2011, 83, .	4.7	37
42	On Israel–Wilson–Perjés black holes. Classical and Quantum Gravity, 2006, 23, 2519-2540.	4.0	33
43	How hairy can a black ring be?. Classical and Quantum Gravity, 2005, 22, 1289-1302.	4.0	30
44	Black hole instabilities and local Penrose inequalities. Classical and Quantum Gravity, 2011, 28, 225030.	4.0	30
45	Perturbations of higher-dimensional spacetimes. Classical and Quantum Gravity, 2011, 28, 035011.	4.0	29
46	Peeling of the Weyl tensor and gravitational radiation in higher dimensions. Physical Review D, 2012, 85, .	4.7	28
47	On the smoothness of static multi-black hole solutions of higher dimensional Einstein–Maxwell theory. Classical and Quantum Gravity, 2007, 24, 6025-6039.	4.0	27
48	Algebraically special axisymmetric solutions of the higher-dimensional vacuum Einstein equation. Classical and Quantum Gravity, 2009, 26, 165009.	4.0	26
49	Algebraically special solutions in AdS/CFT. Journal of High Energy Physics, 2014, 2014, 1.	4.7	22
50	On a five-dimensional version of the Goldberg–Sachs theorem. Classical and Quantum Gravity, 2012, 29, 205002.	4.0	20
51	Causality in gravitational theories with second order equations of motion. Physical Review D, 2021, 103, .	4.7	20
52	Is there a breakdown of effective field theory at the horizon of an extremal black hole?. Journal of High Energy Physics, 2017, 2017, 1.	4.7	18
53	A higher dimensional generalization of the geodesic part of the Goldberg–Sachs theorem. Classical and Quantum Gravity, 2009, 26, 245005.	4.0	17
54	Shock formation in Lovelock theories. Physical Review D, 2015, 91, .	4.7	17

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55	On the stability and spectrum of non-supersymmetric AdS_5 solutions of M-theory compactified on Kähler-Einstein spaces. Journal of High Energy Physics, 2009, 2009, 002-002.	4.7	15
56	Counting the microstates of a vacuum black ring. Journal of High Energy Physics, 2008, 2008, 013-013.	4.7	13
57	HIGHER DIMENSIONAL BLACK HOLES. International Journal of Modern Physics D, 2012, 21, 1230001.	2.1	13
58	Uniqueness of the Kerr–de Sitter Spacetime as an Algebraically Special Solution in Five Dimensions. Communications in Mathematical Physics, 2015, 340, 291-323.	2.2	11
59	Charged Randall-Sundrum black holes and ? = 4 super Yang-Mills in $AdS_2 \times S^2$. Journal of High Energy Physics, 2009, 2009, 032-032.	4.7	10
60	On algebraically special vacuum spacetimes in five dimensions. Classical and Quantum Gravity, 2013, 30, 055004.	4.0	8
61	Algebraically special perturbations of the Schwarzschild solution in higher dimensions. Classical and Quantum Gravity, 2013, 30, 095003.	4.0	8
62	Evanescent ergosurfaces and ambipolar hyperkähler metrics. Journal of High Energy Physics, 2016, 2016, 1-35.	4.7	8
63	Essay: The End of Black Hole Uniqueness. General Relativity and Gravitation, 2002, 34, 2057-2062.	2.0	7
64	Algebraically special solutions in higher dimensions. , 2012, , 213-232.		4
65	Effective field theory and classical equations of motion. Journal of Mathematical Physics, 2022, 63, .	1.1	3
66	Black rings. , 0, , 134-156.		1
67	Predictability of Subluminal and Superluminal Wave Equations. Communications in Mathematical Physics, 2019, 368, 585-626.	2.2	1
68	Higher-Dimensional Black Holes. , 2014, , 245-260.		0
69	HIGHER DIMENSIONAL BLACK HOLES. , 2015, , .		0
70	On a Five-Dimensional Version of the Goldberg-Sachs Theorem. Springer Proceedings in Physics, 2014, , 185-190.	0.2	0