

# Brett McInnes

## List of Publications by Year in descending order

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83  
papers

1,052  
citations

567144

15  
h-index

477173

29  
g-index

83  
all docs

83  
docs citations

83  
times ranked

488  
citing authors

#	ARTICLE	IF	CITATIONS
1	The dS/CFT Correspondence and the Big Smash. <i>Journal of High Energy Physics</i> , 2002, 2002, 029-029.	1.6	232
2	The phantom divide in string gas cosmology. <i>Nuclear Physics B</i> , 2005, 718, 55-82.	0.9	98
3	Exploring the similarities of the dS/CFT and AdS/CFT correspondences. <i>Nuclear Physics B</i> , 2002, 627, 311-329.	0.9	36
4	De Sitter and Schwarzschild-de Sitter according to Schwarzschild and de Sitter. <i>Journal of High Energy Physics</i> , 2003, 2003, 009-009.	1.6	25
5	Angular momentum in QGP holography. <i>Nuclear Physics B</i> , 2014, 887, 246-264.	0.9	24
6	Inverse magnetic/shear catalysis. <i>Nuclear Physics B</i> , 2016, 906, 40-59.	0.9	23
7	A rotation/magnetism analogy for the quark-gluon plasma. <i>Nuclear Physics B</i> , 2016, 911, 173-190.	0.9	22
8	Bounding the temperatures of black holes dual to strongly coupled field theories on flat spacetime. <i>Journal of High Energy Physics</i> , 2009, 2009, 048-048.	1.6	20
9	A note on physical mass and the thermodynamics of AdS-Kerr black holes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 004-004.	1.9	20
10	Generalized planar black holes and the holography of hydrodynamic shear. <i>Nuclear Physics B</i> , 2014, 878, 186-213.	0.9	19
11	Quintessential Maldacena-Maoz Cosmologies. <i>Journal of High Energy Physics</i> , 2004, 2004, 036-036.	1.6	18
12	Pre-inflationary spacetime in string cosmology. <i>Nuclear Physics B</i> , 2006, 748, 309-332.	0.9	18
13	Black hole final state conspiracies. <i>Nuclear Physics B</i> , 2009, 807, 33-55.	0.9	18
14	Inflation, large branes, and the shape of space. <i>Nuclear Physics B</i> , 2005, 709, 213-240.	0.9	17
15	Understanding the difficulties faced by engineering undergraduates in learning mathematical modelling. <i>International Journal of Mathematical Education in Science and Technology</i> , 2011, 42, 1023-1039.	0.8	16
16	Applied holography of the AdS <sub>5</sub> -Kerr space-time. <i>International Journal of Modern Physics A</i> , 2019, 34, 1950138.	0.5	16
17	The Covariant Entropy Bound, Brane Cosmology, and the Null Energy Condition. <i>Journal of High Energy Physics</i> , 2002, 2002, 053-053.	1.6	15
18	Arrow of time in string theory. <i>Nuclear Physics B</i> , 2007, 782, 1-25.	0.9	15

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19	When is holography consistent?. Nuclear Physics B, 2015, 898, 197-219.	0.9	15
20	Holography of the quark matter triple point. Nuclear Physics B, 2010, 832, 323-341.	0.9	14
21	Methods of holonomy theory for Ricci-flat Riemannian manifolds. Journal of Mathematical Physics, 1991, 32, 888-896.	0.5	13
22	Topologically induced instability in string theory. Journal of High Energy Physics, 2001, 2001, 031-031.	1.6	13
23	Orbifold physics and de Sitter spacetime. Nuclear Physics B, 2004, 692, 270-300.	0.9	13
24	Shearing black holes and scans of the quark matter phase diagram. Classical and Quantum Gravity, 2014, 31, 025009.	1.5	13
25	Holography of the QGP Reynolds number. Nuclear Physics B, 2017, 921, 39-58.	0.9	13
26	Examples of Einstein manifolds with all possible holonomy groups in dimensions less than seven. Journal of Mathematical Physics, 1993, 34, 4287-4304.	0.5	12
27	Answering a Basic Objection to Bang/Crunch Holography. Journal of High Energy Physics, 2004, 2004, 018-018.	1.6	12
28	Cosmic censorship for AdS5-Kerr. Nuclear Physics B, 2020, 950, 114845.	0.9	12
29	AdS/CFT for non-boundary manifolds. Journal of High Energy Physics, 2000, 2000, 025-025.	1.6	11
30	Fragile black holes. Nuclear Physics B, 2011, 842, 86-106.	0.9	11
31	Fragile black holes and an angular momentum cutoff in peripheral heavy ion collisions. Nuclear Physics B, 2012, 861, 236-258.	0.9	11
32	Cold black holes in the Harlow-Hayden approach to firewalls. Nuclear Physics B, 2015, 891, 627-654.	0.9	11
33	Stringy instability of topologically non-trivial AdS black holes and of de Sitter S-brane spacetimes. Nuclear Physics B, 2003, 660, 373-388.	0.9	10
34	The most probable size of the Universe. Nuclear Physics B, 2005, 730, 50-81.	0.9	10
35	Inaccessible singularities in toral cosmology. Classical and Quantum Gravity, 2007, 24, 1605-1613.	1.5	10
36	Kerr black holes are not fragile. Nuclear Physics B, 2012, 857, 362-379.	0.9	10

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37	Spin Holonomy of Einstein Manifolds. Communications in Mathematical Physics, 1999, 203, 349-364.	1.0	9
38	The strong energy condition and the S-brane singularity problem. Journal of High Energy Physics, 2003, 2003, 043-043.	1.6	9
39	A universal lower bound on the specific temperatures of AdS-Reissner-Nordström black holes with flat event horizons. Nuclear Physics B, 2011, 848, 474-489.	0.9	9
40	Universality of the holographic angular momentum cutoff. Nuclear Physics B, 2012, 864, 722-744.	0.9	9
41	Gauge theory in Witten's approach to the generation problem. Communications in Mathematical Physics, 1991, 138, 107-136.	1.0	8
42	The geometry of the entropic principle and the shape of the universe. Journal of High Energy Physics, 2006, 2006, 029-029.	1.6	8
43	A holographic bound on cosmic magnetic fields. Nuclear Physics B, 2015, 892, 49-62.	0.9	8
44	The weak gravity conjecture requires the existence of exotic AdS black holes. Nuclear Physics B, 2021, 971, 115525.	0.9	8
45	Holonomy groups of compact Riemannian manifolds: A classification in dimensions up to ten. Journal of Mathematical Physics, 1993, 34, 4273-4286.	0.5	7
46	The semispin groups in string theory. Journal of Mathematical Physics, 1999, 40, 4699-4712.	0.5	7
47	The quotient construction for a class of compact Einstein manifolds. Communications in Mathematical Physics, 1993, 154, 307-312.	1.0	6
48	The topology of the AdS/CFT/Randall-Sundrum complementarity. Nuclear Physics B, 2001, 602, 132-146.	0.9	6
49	APS instability and the topology of the brane-world. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 593, 10-16.	1.5	6
50	Holography of low-centrality heavy ion collisions. International Journal of Modern Physics A, 2019, 34, 1950174.	0.5	6
51	Hosotani breaking of E6 to a subgroup of rank five. Journal of Mathematical Physics, 1990, 31, 2094-2104.	0.5	5
52	Existence of parallel spinors on nonsimply connected Riemannian manifolds. Journal of Mathematical Physics, 1998, 39, 2362-2366.	0.5	5
53	Initial conditions for bubble universes. Physical Review D, 2008, 77, .	1.6	5
54	Holography of Little Inflation. Nuclear Physics B, 2015, 894, 553-568.	0.9	5

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55	Trajectory of the cosmic plasma through the quark matter phase diagram. <i>Physical Review D</i> , 2016, 93, .	1.6	5
56	Holographic dual of the weak gravity conjecture. <i>Nuclear Physics B</i> , 2020, 961, 115270.	0.9	5
57	Complex symplectic geometry and compact locally hyperbolic manifolds. <i>Journal of Mathematical Physics</i> , 1993, 34, 4857-4871.	0.5	4
58	Holonomy groups and holonomy representations. <i>Journal of Mathematical Physics</i> , 1995, 36, 4450-4460.	0.5	4
59	Spontaneous compactification and Ricci-flat manifolds with torsion. <i>Journal of Mathematical Physics</i> , 1986, 27, 2029-2038.	0.5	3
60	Alice universes. <i>Classical and Quantum Gravity</i> , 1997, 14, 2527-2538.	1.5	3
61	Gauge spinors and string duality. <i>Nuclear Physics B</i> , 2000, 577, 439-460.	0.9	3
62	A positive cosmological constant in string theory through AdS/CFT wormholes. <i>Nuclear Physics B</i> , 2001, 609, 325-343.	0.9	3
63	Field theories without a holographic dual. <i>Nuclear Physics B</i> , 2016, 913, 852-876.	0.9	3
64	Viscosity vs. vorticity in the quark-gluon plasma. <i>Nuclear Physics B</i> , 2020, 953, 114951.	0.9	3
65	About magnetic AdS black holes. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	3
66	Event horizon wrinklification. <i>Classical and Quantum Gravity</i> , 2021, 38, 034002.	1.5	3
67	Extremal bifurcations of rotating AdS <sub>4</sub> black holes. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	3
68	Disconnected forms of the standard group. <i>Journal of Mathematical Physics</i> , 1997, 38, 4354-4362.	0.5	2
69	Obtaining holonomy from curvature. <i>Journal of Physics A</i> , 1997, 30, 661-671.	1.6	2
70	Unitarity at infinity and topological holography. <i>Nuclear Physics B</i> , 2006, 754, 91-106.	0.9	2
71	On the existence of a holographic description of the LHC quark-gluon plasmas. <i>Nuclear Physics B</i> , 2017, 917, 86-104.	0.9	2
72	Extremal instability for topological black holes. <i>Nuclear Physics B</i> , 2022, 978, 115760.	0.9	2

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73	Gauging discrete symmetries. <i>Journal of Mathematical Physics</i> , 1995, 36, 5414-5430.	0.5	1
74	Metric symmetries and spin asymmetries of Ricci-flat Riemannian manifolds. <i>Journal of Mathematical Physics</i> , 1999, 40, 1255-1267.	0.5	1
75	How does the Quark-Gluon Plasma know the collision energy?. <i>Nuclear Physics B</i> , 2018, 927, 455-467.	0.9	1
76	Characterising the most rapidly rotating AdS <sub>5</sub> -Kerr black holes. <i>Classical and Quantum Gravity</i> , 2021, 38, 095001.	1.5	1
77	Large numbers in holography. <i>Nuclear Physics B</i> , 2022, 975, 115687.	0.9	1
78	Spontaneous splitting and internal isometries of superstring vacua. <i>Journal of Mathematical Physics</i> , 1987, 28, 2564-2568.	0.5	0
79	The geometry of gauge symmetry breaking in the superstring context. <i>Journal of Mathematical Physics</i> , 1989, 30, 498-505.	0.5	0
80	Calabi-Yau compactifications and the global structure of the standard group. <i>Journal of Mathematical Physics</i> , 1996, 37, 493-498.	0.5	0
81	On space forms of Grassmann manifolds. <i>Manuscripta Mathematica</i> , 1997, 93, 205-217.	0.3	0
82	Decoupling inflation from the string scale. <i>Classical and Quantum Gravity</i> , 2010, 27, 165001.	1.5	0
83	Fragmentation of AdS <sub>5</sub> -Kerr black holes. <i>Nuclear Physics B</i> , 2022, 982, 115897.	0.9	0