

# David Berenstein

## List of Publications by Year in descending order

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70  
papers

3,855  
citations

236833

25  
h-index

118793

62  
g-index

70  
all docs

70  
docs citations

70  
times ranked

893  
citing authors

#	ARTICLE	IF	CITATIONS
1	Operator product expansions and recoil. <i>Physical Review D</i> , 2022, 105, .	1.6	1
2	Bootstrapping more QM systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 275304.	0.7	11
3	Open giant magnons on LLM geometries. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	8
4	The tortoise and the hare: a causality puzzle in AdS/CFT. <i>Classical and Quantum Gravity</i> , 2021, 38, 105008.	1.5	6
5	ISCOs in AdS/CFT. <i>Classical and Quantum Gravity</i> , 2021, 38, 045009.	1.5	19
6	Localized states in global AdS space. <i>Physical Review D</i> , 2020, 101, .	1.6	7
7	Open giant magnons suspended between dual giant gravitons in $\mathcal{N} = 4$ SYM. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	6
8	Logarithmic enhancements in conformal perturbation theory and their real time interpretation. <i>International Journal of Modern Physics A</i> , 2020, 35, 2050184.	0.5	6
9	Emergent classical spacetime from microstates of an incipient black hole. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	8
10	Gauged fermionic matrix quantum mechanics. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	5
11	Negative specific heat from non-planar interactions and small black holes in AdS/CFT. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	7
12	Quenches on thermofield double states and time reversal symmetry. <i>Physical Review D</i> , 2019, 100, .	1.6	3
13	Code subspaces for LLM geometries. <i>Classical and Quantum Gravity</i> , 2018, 35, 065003.	1.5	13
14	Submatrix deconfinement and small black holes in AdS. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	30
15	Smallest matrix black hole model in the classical limit. <i>Physical Review D</i> , 2017, 95, .	1.6	10
16	Can Topology and Geometry be Measured by an Operator Measurement in Quantum Gravity?. <i>Physical Review Letters</i> , 2017, 118, 261601.	2.9	15
17	Superposition induced topology changes in quantum gravity. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	22
18	Reconstructing spacetime from the hologram, even in the classical limit, requires physics beyond the Planck scale. <i>International Journal of Modern Physics D</i> , 2016, 25, 1644012.	0.9	9

#	ARTICLE	IF	CITATIONS
19	Entanglement entropy converges to classical entropy around periodic orbits. <i>Annals of Physics</i> , 2016, 366, 113-132.	1.0	14
20	Extremal chiral ring states in the AdS/CFT correspondence are described by free fermions for a generalized oscillator algebra. <i>Physical Review D</i> , 2015, 92, .	1.6	8
21	Spinning the fuzzy sphere. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	4
22	On the central charge extension of the $N = 4$ SYM spin chain. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	17
23	Giant gravitons and the emergence of geometric limits in $\hat{t}^2$ -deformations of $N = 4$ SYM. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	20
24	TeV-Scale Strings. <i>Annual Review of Nuclear and Particle Science</i> , 2014, 64, 197-219.	3.5	9
25	Conformal perturbation theory, dimensional regularization, and AdS/CFT correspondence. <i>Physical Review D</i> , 2014, 90, .	1.6	22
26	Sketches of emergent geometry in the gauge/gravity duality. <i>Fortschritte Der Physik</i> , 2014, 62, 776-785.	1.5	12
27	S-duality and the giant magnon dispersion relation. <i>European Physical Journal C</i> , 2014, 74, 1.	1.4	5
28	Open spin chains for giant gravitons and relativity. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	24
29	Giant gravitons: A collective coordinate approach. <i>Physical Review D</i> , 2013, 87, .	1.6	23
30	Multiple-jets reveal top superpartners and the 125 GeV Higgs. <i>Physical Review D</i> , 2013, 87, .	1.6	4
31	Large $N$ classical dynamics of holographic matrix models. <i>Physical Review D</i> , 2013, 87, .	1.6	22
32	Matrix embeddings on flat $R^3$ and the geometry of membranes. <i>Physical Review D</i> , 2012, 86, .	1.6	30
33	Open string axions and the flavor problem. <i>Physical Review D</i> , 2012, 86, .	1.6	8
34	Monopole operators, moduli spaces and dualities. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	6
35	Dynamical tachyons on fuzzy spheres. <i>Physical Review D</i> , 2011, 83, .	1.6	6
36	Evidence for Fast Thermalization in the Plane-Wave Matrix Model. <i>Physical Review Letters</i> , 2011, 107, 171602.	2.9	53

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37	The BPS spectrum of monopole operators in ABJM: towards a field theory description of the giant torus.. Journal of High Energy Physics, 2010, 2010, 1.	1.6	23
38	Aspects of ABJM orbifolds. Advances in Theoretical and Mathematical Physics, 2010, 14, 1717-1778.	0.4	5
39	Small AdS black holes from SYM. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 673, 264-267.	1.5	30
40	$\langle \text{Tr} Z^2 \rangle$ boson detection in the minimal quiver standard model. Physical Review D, 2009, 79, .	1.6	15
41	Numerical tests of AdS/CFT at strong coupling. Physical Review D, 2008, 78, .	1.6	10
42	Three-dimensional $\mathcal{N}=6$ superconformal field theories and their membrane dynamics. Physical Review D, 2008, 78, .	1.6	60
43	Giant magnon bound states from strongly coupled $\mathcal{N}=4$ super Yang-Mills theory. Physical Review D, 2008, 77, .	1.6	12
44	A STRONG COUPLING EXPANSION FOR $\mathcal{N} = 4$ SYM THEORY AND OTHER SCFT's. International Journal of Modern Physics A, 2008, 23, 2143-2152.	0.5	8
45	Strings on conifolds from strong coupling dynamics, part I. Journal of High Energy Physics, 2008, 2008, 002-002.	1.6	22
46	A Monte-Carlo study of the AdS/CFT correspondence: an exploration of quantum gravity effects. Journal of High Energy Physics, 2007, 2007, 071-071.	1.6	25
47	Aspects of emergent geometry in the AdS/CFT context. Physical Review D, 2006, 74, .	1.6	25
48	A study of open strings ending on giant gravitons, spin chains and integrability. Journal of High Energy Physics, 2006, 2006, 065-065.	1.6	72
49	Emergent geometry from $q$ -deformations of $\mathcal{N} = 4$ super Yang-Mills. Journal of High Energy Physics, 2006, 2006, 006-006.	1.6	26
50	Large $\mathcal{N}$ BPS states and emergent quantum gravity. Journal of High Energy Physics, 2006, 2006, 125-125.	1.6	131
51	All loop BMN state energies from matrices. Journal of High Energy Physics, 2006, 2006, 048-048.	1.6	58
52	D-branes in Yang-Mills theory and Emergent Gauge Symmetry. Journal of High Energy Physics, 2005, 2005, 006-006.	1.6	35
53	Integrable open spin chains from giant gravitons. Journal of High Energy Physics, 2005, 2005, 059-059.	1.6	99
54	Quantizing Open Spin Chains with Variable Length and Giant Gravitons in the Anti-de Sitter-Space/Conformal Field-Theory Correspondence. Physical Review Letters, 2005, 95, 191601.	2.9	79

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55	Matrix model for a quantum Hall droplet with manifest particle-hole symmetry. Physical Review D, 2005, 71, .	1.6	25
56	A toy model for the AdS/CFT correspondence. Journal of High Energy Physics, 2004, 2004, 018-018.	1.6	281
57	Deformations of SYM and integrable spin chain models. Nuclear Physics B, 2004, 702, 49-85.	0.9	117
58	Shape and holography: studies of dual operators to giant gravitons. Nuclear Physics B, 2003, 675, 179-204.	0.9	71
59	Strings in flat space and pp waves from Script N = 4 Super Yang Mills. Journal of High Energy Physics, 2002, 2002, 013-013.	1.6	1,483
60	Baryon Spectra and AdS/CFT Correspondence. Journal of High Energy Physics, 2002, 2002, 047-047.	1.6	104
61	Reverse geometric engineering of singularities. Journal of High Energy Physics, 2002, 2002, 052-052.	1.6	34
62	Resolution of stringy singularities by non-commutative algebras. Journal of High Energy Physics, 2001, 2001, 030-030.	1.6	43
63	Non-commutative moduli spaces, dielectric tori and T-duality. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 493, 162-168.	1.5	24
64	Discrete torsion, AdS/CFT and duality. Journal of High Energy Physics, 2000, 2000, 038-038.	1.6	87
65	Marginal and relevant deformations of field theories and non-commutative moduli spaces of vacua. Nuclear Physics B, 2000, 589, 196-248.	0.9	105
66	Operator product expansion for Wilson loops and surfaces in the large N limit. Physical Review D, 1999, 59, .	1.6	215
67	M(atr ix)-theory in various dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 406, 37-43.	1.5	33
68	Virtual D-branes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 384, 93-97.	1.5	18
69	The equivalence between the Mandelstam and the Cayley-Hamilton identities. Journal of Mathematical Physics, 1994, 35, 1922-1930.	0.5	5
70	Improved semiclassical model for real-time evaporation of matrix black holes. International Journal of Modern Physics A, 0, , .	0.5	2