

David Tong

List of Publications by Year in descending order

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88
papers

5,347
citations

109264

35
h-index

79644

73
g-index

88
all docs

88
docs citations

88
times ranked

1869
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalar speed limits and cosmology: Acceleration from D-acceleration. Physical Review D, 2004, 70, .	1.6	592
2	Vortices, instantons and branes. Journal of High Energy Physics, 2003, 2003, 037-037.	1.6	404
3	Towards strange metallic holography. Journal of High Energy Physics, 2010, 2010, 1.	1.6	312
4	Vortex Strings and Four-Dimensional Gauge Dynamics. Journal of High Energy Physics, 2004, 2004, 066-066.	1.6	274
5	Optical conductivity with holographic lattices. Journal of High Energy Physics, 2012, 2012, 1.	1.6	228
6	Particle-Vortex Duality from 3D Bosonization. Physical Review X, 2016, 6, .	2.8	221
7	Holographic Lattices Give the Graviton an Effective Mass. Physical Review Letters, 2014, 112, 071602.	2.9	162
8	NS5-Branes, T-Duality and Worldsheet Instantons. Journal of High Energy Physics, 2002, 2002, 013-013.	1.6	143
9	Universal resistivity from holographic massive gravity. Physical Review D, 2013, 88, .	1.6	142
10	Monopoles in the Higgs phase. Physical Review D, 2004, 69, .	1.6	136
11	Membranes on an Orbifold. Physical Review Letters, 2008, 101, 041602.	2.9	133
12	Further evidence for lattice-induced scaling. Journal of High Energy Physics, 2012, 2012, 1.	1.6	132
13	Quantum vortex strings: A review. Annals of Physics, 2009, 324, 30-52.	1.0	128
14	The dS/dS Correspondence. AIP Conference Proceedings, 2004, , .	0.3	120
15	Aspects of non-abelian gauge dynamics in two-dimensional Script N = (2,2) theories. Journal of High Energy Physics, 2007, 2007, 079-079.	1.6	110
16	D-brane solitons in supersymmetric sigma models. Physical Review D, 2001, 63, .	1.6	99
17	Moduli space of BPS domain walls. Physical Review D, 2002, 66, .	1.6	93
18	The holographic dual of AdS 3 \tilde{A} – S3 \tilde{A} – S3 \tilde{A} – S1. Journal of High Energy Physics, 2014, 2014, 1.	1.6	93

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19	The BPS spectra of gauge theories in two and four dimensions. <i>Journal of High Energy Physics</i> , 1999, 1999, 006-006.	1.6	89
20	Multidomain walls in massive supersymmetric sigma models. <i>Physical Review D</i> , 2001, 64, .	1.6	87
21	Monopoles, Vortices, Domain Walls and D-Branes: The Rules of Interaction. <i>Journal of High Energy Physics</i> , 2005, 2005, 019-019.	1.6	72
22	Dyonic instantons in five-dimensional gauge theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 462, 89-94.	1.5	71
23	A web of 2d dualities: \mathbb{Z}_2 gauge fields and Arf invariants. <i>SciPost Physics</i> , 2019, 7, .	1.5	70
24	Reconnection of non-abelian cosmic strings. <i>Journal of Cosmology and Astroparticle Physics</i> , 2005, 2005, 004-004.	1.9	69
25	More Abelian dualities in 2 + 1 dimensions. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	65
26	Skyrmions from Instantons inside Domain Walls. <i>Physical Review Letters</i> , 2005, 95, 252003.	2.9	62
27	Heterotic vortex strings. <i>Journal of High Energy Physics</i> , 2007, 2007, 005-005.	1.6	59
28	Supersymmetric intersecting domain walls in massive hyper-Kähler sigma models. <i>Physical Review D</i> , 2001, 63, .	1.6	55
29	Mirror mirror on the wall (On two-dimensional black holes and Liouville theory). <i>Journal of High Energy Physics</i> , 2003, 2003, 031-031.	1.6	55
30	Dynamics of Script $N = 2$ supersymmetric Chern-Simons theories. <i>Journal of High Energy Physics</i> , 2000, 2000, 019-019.	1.6	46
31	Mirror symmetry and toric geometry in three-dimensional gauge theories. <i>Journal of High Energy Physics</i> , 2000, 2000, 018-018.	1.6	43
32	D-Brane probes of Special Holonomy Manifolds, and Dynamics of Script $N = 1$ Three-Dimensional Gauge Theories. <i>Journal of High Energy Physics</i> , 2002, 2002, 050-050.	1.6	42
33	Non-abelian 3D bosonization and quantum Hall states. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	42
34	Mirror symmetry in 2+1 and 1+1 dimensions. <i>Journal of High Energy Physics</i> , 2001, 2001, 022-022.	1.6	40
35	Line operators in the Standard Model. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	36
36	A note on 1/4-BPS states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 460, 295-301.	1.5	35

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37	Kinky D-strings. Nuclear Physics B, 2000, 569, 606-624.	0.9	34
38	Vortices and impurities. Journal of High Energy Physics, 2014, 2014, 1.	1.6	33
39	The quantum dynamics of heterotic vortex strings. Journal of High Energy Physics, 2007, 2007, 022-022.	1.6	32
40	A holographic flat band. Journal of High Energy Physics, 2011, 2011, 1.	1.6	32
41	Monopoles and holography. Journal of High Energy Physics, 2011, 2011, 1.	1.6	30
42	Confinement in anti-de Sitter space. Journal of High Energy Physics, 2013, 2013, 1.	1.6	30
43	Fluctuation and Dissipation at a Quantum Critical Point. Physical Review Letters, 2013, 110, 061602.	2.9	28
44	Comments on condensates in non-supersymmetric orbifold field theories. Journal of High Energy Physics, 2003, 2003, 022-022.	1.6	25
45	Magnetic catalysis in AdS 4 . Classical and Quantum Gravity, 2012, 29, 194003.	1.5	25
46	Gapped Chiral Fermions. Physical Review X, 2021, 11, .	2.8	25
47	Conifold transitions and five-brane condensation in M-theory on Spin (7) manifolds. Classical and Quantum Gravity, 2003, 20, 665-705.	1.5	24
48	On Monopoles and Domain Walls. Communications in Mathematical Physics, 2006, 266, 647-663.	1.0	23
49	Quantum Hall effect in supersymmetric Chern-Simons theories. Physical Review B, 2015, 92, .	1.1	23
50	Instantons, fermions and Chern-Simons terms. Journal of High Energy Physics, 2008, 2008, 015-015.	1.6	21
51	Comments on symmetric mass generation in 2d and 4d. Journal of High Energy Physics, 2022, 2022, .	1.6	21
52	Superconformal vortex strings. Journal of High Energy Physics, 2006, 2006, 051-051.	1.6	20
53	Flowing between fermionic fixed points. Journal of High Energy Physics, 2011, 2011, 1.	1.6	20
54	Holographic charge oscillations. Journal of High Energy Physics, 2015, 2015, 1.	1.6	18

#	ARTICLE	IF	CITATIONS
55	Mirror symmetry and bosonization in 2d and 3d. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
56	Evidence for a non-supersymmetric 5d CFT from deformations of 5d SU(2) SYM. Journal of High Energy Physics, 2020, 2020, 1.	1.6	17
57	A quantum Hall fluid of vortices. Journal of High Energy Physics, 2004, 2004, 046-046.	1.6	16
58	Dynamics of Chern-Simons vortices. Physical Review D, 2008, 78, .	1.6	16
59	Instantons, Wilson lines, and D-branes. Physical Review D, 2015, 91, .	1.6	15
60	Matrix model for non-Abelian quantum Hall states. Physical Review B, 2016, 94, .	1.1	15
61	Instantons, three dimensional gauge theories, and monopole moduli spaces. Physical Review D, 1998, 58, .	1.6	13
62	A gapless hard wall: magnetic catalysis in bulk and boundary. Journal of High Energy Physics, 2012, 2012, 1.	1.6	13
63	Monopoles and Wilson lines. Journal of High Energy Physics, 2014, 2014, 1.	1.6	13
64	D-branes in field theory. Journal of High Energy Physics, 2006, 2006, 030-030.	1.6	12
65	Scheme for Building a \hat{t} -Hooft-Polyakov Monopole. Physical Review Letters, 2009, 102, 191801.	2.9	12
66	Holographic dual of the lowest Landau level. Journal of High Energy Physics, 2012, 2012, 1.	1.6	12
67	On superconformal anyons. Journal of High Energy Physics, 2016, 2016, 1.	1.6	12
68	Geometric phase in supersymmetric quantum mechanics. Physical Review D, 2008, 77, .	1.6	11
69	A matrix model for WZW. Journal of High Energy Physics, 2016, 2016, 1.	1.6	11
70	Instantons and emergent AdS ₃ -S ³ geometry. Journal of High Energy Physics, 2006, 2006, 017-017.	1.6	10
71	Berry phase and supersymmetry. Journal of High Energy Physics, 2009, 2009, 063-063.	1.6	10
72	D-brane probes of G ₂ holonomy manifolds. Physical Review D, 2002, 66, .	1.6	9

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73	The moduli space of noncommutative vortices. <i>Journal of Mathematical Physics</i> , 2003, 44, 3509-3516.	0.5	9
74	Quantum dynamics of supergravity on $R^3 \tilde{\times} S^1$. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	9
75	Intersecting branes, domain walls and superpotentials in 3d gauge theories. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	9
76	On discrete anomalies in chiral gauge theories. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	9
77	Three-dimensional gauge theories and ADE monopoles. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 448, 33-36.	1.5	8
78	Hall viscosity in the non-Abelian quantum Hall matrix model. <i>Physical Review B</i> , 2018, 98, .	1.1	8
79	Boundary states for chiral symmetries in two dimensions. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	7
80	Geometric phase and gravitational precession of D-branes. <i>Physical Review D</i> , 2007, 76, .	1.6	6
81	The Conformal Spectrum of Non-Abelian Anyons. <i>SciPost Physics</i> , 2018, 4, .	1.5	6
82	Notes on 8 Majorana Fermions. <i>SciPost Physics Lecture Notes</i> , 0, , .	0.0	6
83	ADHM and the 4d quantum Hall effect. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	5
84	THE INNARDS OF AN INSTANTON. <i>International Journal of Modern Physics A</i> , 2010, 25, 269-277.	0.5	3
85	Gauge dynamics and topological insulators. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	2
86	Vortices and monopoles in a harmonic trap. <i>Journal of High Energy Physics</i> , 2015, 2015, 1-30.	1.6	2
87	The Innards of an Instanton. , 2010, , .		0
88	AN OPEN-CLOSED STRING DUALITY IN FIELD THEORY?. , 2007, , .		0