

Christopher P Herzog

List of Publications by Year in descending order

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90
papers

7,268
citations

94433

37
h-index

53230

85
g-index

90
all docs

90
docs citations

90
times ranked

1994
citing authors

#	ARTICLE	IF	CITATIONS
1	Building a Holographic Superconductor. Physical Review Letters, 2008, 101, 031601.	7.8	1,317
2	Holographic superconductors. Journal of High Energy Physics, 2008, 2008, 015-015.	4.7	877
3	Energy loss of a heavy quark moving through Script N = 4 supersymmetric Yang-Mills plasma. Journal of High Energy Physics, 2006, 2006, 013-013.	4.7	557
4	Lectures on holographic superfluidity and superconductivity. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 343001.	2.1	458
5	Schwinger-Keldysh propagators from AdS/CFT correspondence. Journal of High Energy Physics, 2003, 2003, 046-046.	4.7	310
6	Heating up Galilean holography. Journal of High Energy Physics, 2008, 2008, 080-080.	4.7	249
7	Quantum critical transport, duality, and M theory. Physical Review D, 2007, 75, .	4.7	214
8	Superconductors from Superstrings. Physical Review Letters, 2009, 103, 141601.	7.8	200
9	Holographic Prediction for the Deconfinement Temperature. Physical Review Letters, 2007, 98, 091601.	7.8	196
10	The Hydrodynamics of M-Theory. Journal of High Energy Physics, 2002, 2002, 026-026.	4.7	127
11	Ohm's law at strong coupling: S duality and the cyclotron resonance. Physical Review D, 2007, 76, .	4.7	122
12	Baryon Spectra and AdS/CFT Correspondence. Journal of High Energy Physics, 2002, 2002, 047-047.	4.7	104
13	Analytic holographic superconductor. Physical Review D, 2010, 81, .	4.7	100
14	Energy loss of a heavy quark from asymptotically AdS geometries. Journal of High Energy Physics, 2006, 2006, 032-032.	4.7	98
15	Symmetry Breaking and Axionic Strings in the Warped Deformed Conifold. Journal of High Energy Physics, 2004, 2004, 036-036.	4.7	93
16	Boundary conformal field theory and a boundary central charge. Journal of High Energy Physics, 2017, 2017, 1.	4.7	93
17	Multimatrix models and tri-Sasaki Einstein spaces. Physical Review D, 2011, 83, .	4.7	92
18	Gauge gravity duality for d-wave superconductors: prospects and challenges. Journal of High Energy Physics, 2010, 2010, 1.	4.7	90

#	ARTICLE	IF	CITATIONS
19	Supersymmetry breaking from a Calabi-Yau singularity. <i>Journal of High Energy Physics</i> , 2005, 2005, 084-084.	4.7	86
20	Impure AdS/CFT correspondence. <i>Physical Review D</i> , 2008, 77, .	4.7	83
21	Restoration of chiral symmetry: a supergravity perspective. <i>Journal of High Energy Physics</i> , 2001, 2001, 028-028.	4.7	80
22	On string tensions in supersymmetric gauge theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 526, 388-392.	4.1	76
23	Universal entanglement and boundary geometry in conformal field theory. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	65
24	From necklace quivers to the F-theorem, operator counting, and T (U(N)). <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	64
25	The second sound of SU(2). <i>Journal of High Energy Physics</i> , 2009, 2009, 126-126.	4.7	62
26	Brane tilings and exceptional collections. <i>Journal of High Energy Physics</i> , 2006, 2006, 001-001.	4.7	60
27	Entanglement entropy of a massive fermion on a torus. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	55
28	Universal Thermal Corrections to Single Interval Entanglement Entropy for Two Dimensional Conformal Field Theories. <i>Physical Review Letters</i> , 2014, 112, 171603.	7.8	55
29	Sound of M theory. <i>Physical Review D</i> , 2003, 68, .	4.7	54
30	Transport in holographic superfluids. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	49
31	The Volume of some Non-spherical Horizons and the AdS/CFT Correspondence. <i>Journal of High Energy Physics</i> , 2002, 2002, 030-030.	4.7	48
32	Chaotic duality in string theory. <i>Physical Review D</i> , 2004, 70, .	4.7	47
33	Holographic Fermi arcs and a d-wave gap. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 701, 626-629.	4.1	46
34	Dibaryons from exceptional collections. <i>Journal of High Energy Physics</i> , 2003, 2003, 060-060.	4.7	45
35	Seiberg Duality is an Exceptional Mutation. <i>Journal of High Energy Physics</i> , 2004, 2004, 064-064.	4.7	42
36	Exceptional Collections and del Pezzo Gauge Theories. <i>Journal of High Energy Physics</i> , 2004, 2004, 069-069.	4.7	41

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37	Displacement Operators and Constraints on Boundary Central Charges. <i>Physical Review Letters</i> , 2018, 120, 021601.	7.8	41
38	The holographic dual of a Riemann problem in a large number of dimensions. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	37
39	Variations on the warped deformed conifold. <i>Comptes Rendus Physique</i> , 2004, 5, 1031-1038.	0.9	36
40	Universal thermal corrections to entanglement entropy for conformal field theories on spheres. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	36
41	Sum rules from an extra dimension. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	35
42	Gravity duals of fractional branes in various dimensions. <i>Physical Review D</i> , 2001, 63, .	4.7	33
43	The ABCDEF TM s of matrix models for supersymmetric Chern-Simons theories. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	32
44	Matrix models for supersymmetric Chern-Simons theories with an ADE classification. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	32
45	Sound modes in holographic superfluids. <i>Physical Review D</i> , 2009, 80, .	4.7	31
46	Bose-Einstein condensates in symmetry breaking states. <i>Comptes Rendus Physique</i> , 2001, 2, 419-443.	0.1	29
47	Emergent quantum near-criticality from baryonic black branes. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	29
48	Large $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ limit of Einstein TM s equations. <i>Reviews of Modern Physics</i> , 2020, 92, .	45.6	29
49	Numerical Kähler-Einstein Metric on the Third del Pezzo. <i>Communications in Mathematical Physics</i> , 2008, 282, 357-393.	2.2	27
50	Estimation for entanglement negativity of free fermions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 073102.	2.3	26
51	Dibaryon spectroscopy. <i>Journal of High Energy Physics</i> , 2003, 2003, 054-054.	4.7	25
52	Operator counting and eigenvalue distributions for 3D supersymmetric gauge theories. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	25
53	Losing forward momentum holographically. <i>Classical and Quantum Gravity</i> , 2014, 31, 125010.	4.0	25
54	On marginal operators in boundary conformal field theory. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	25

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55	Superconformal models for graphene and boundary central charges. Journal of High Energy Physics, 2018, 2018, 1.	4.7	21
56	Exceptional collections and D-branes probing toric singularities. Journal of High Energy Physics, 2006, 2006, 061-061.	4.7	20
57	Stress tensors from trace anomalies in conformal field theories. Physical Review D, 2013, 87, .	4.7	20
58	The $O(N)$ model with \mathbb{Z}_6 potential in $d=2$. Journal of High Energy Physics, 2020, 2020, 1.	4.7	20
59	String tensions and three dimensional confining gauge theories. Physical Review D, 2002, 66, .	4.7	18
60	Remarks on heavy-light mesons from AdS/CFT. Journal of High Energy Physics, 2008, 2008, 070-070.	4.7	17
61	Free energy of \widehat{D}_n quiver Chern-Simons theories. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17
62	The spin of holographic electrons at nonzero density and temperature. Journal of High Energy Physics, 2012, 2012, 1.	4.7	16
63	The large dimension limit of a small black hole instability in anti-de Sitter space. Journal of High Energy Physics, 2018, 2018, 1.	4.7	16
64	Holographic Bjorken flow at large-D. Journal of High Energy Physics, 2019, 2019, 1.	4.7	16
65	Two point functions in defect CFTs. Journal of High Energy Physics, 2021, 2021, 1.	4.7	16
66	Spinning dragging strings. Journal of High Energy Physics, 2007, 2007, 087-087.	4.7	15
67	Relativistic hydrodynamics and non-equilibrium steady states. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 103208.	2.3	14
68	Linear resistivity from non-abelian black holes. Journal of High Energy Physics, 2014, 2014, 1.	4.7	12
69	How α -Type Anomalies Can Depend on Marginal Couplings. Physical Review Letters, 2020, 124, 011601.	7.8	11
70	Thermal corrections to Rnyi entropies for conformal field theories. Journal of High Energy Physics, 2015, 2015, 1.	4.7	10
71	Weyl anomalies of four dimensional conformal boundaries and defects. Journal of High Energy Physics, 2022, 2022, 1.	4.7	10
72	Holographic double diffractive scattering. Journal of High Energy Physics, 2008, 2008, 010-010.	4.7	9

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73	Tracing through scalar entanglement. Physical Review D, 2013, 87, .	4.7	9
74	The edge of entanglement: getting the boundary right for non-minimally coupled scalar fields. Journal of High Energy Physics, 2016, 2016, 1.	4.7	9
75	On the geometry of quiver gauge theories. Advances in Theoretical and Mathematical Physics, 2009, 13, 599-636.	0.6	9
76	D-Branes On The Conifold And N = 1 Gauge/Gravity Dualities. , 2003, , 189-223.		8
77	Fractional D1-branes at finite temperature. Nuclear Physics B, 2001, 610, 97-116.	2.5	6
78	Stable massive states in(1+1)-dimensional noncommutative open string theory. Physical Review D, 2001, 63, .	4.7	6
79	The perfect atom: Bound states of supersymmetric quantum electrodynamics. Nuclear Physics B, 2010, 839, 129-156.	2.5	6
80	Interface conformal anomalies. Journal of High Energy Physics, 2020, 2020, 1.	4.7	6
81	Une transition liquide-gaz pour des bosons en interaction attractive Å une dimension. Comptes Rendus Physique, 2014, 15, 285-296.	0.9	5
82	Duality and transport for supersymmetric graphene from the hemisphere partition function. Journal of High Energy Physics, 2020, 2020, 1.	4.7	5
83	A sum rule for boundary contributions to the trace anomaly. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
84	Boundary fluctuations and a reduction entropy. Physical Review D, 2017, 95, .	4.7	4
85	Anomalies from correlation functions in defect conformal field theory. Journal of High Energy Physics, 2021, 2021, 1.	4.7	2
86	Thermal corrections to Rényi entropies for free fermions. Journal of High Energy Physics, 2016, 2016, 1-14.	4.7	1
87	Hydrodynamics of quantum spin liquids. Physical Review B, 2021, 104, .	3.2	1
88	Hyperfine splitting and the Zeeman effect in holographic heavy-light mesons. Physical Review D, 2010, 82, .	4.7	0
89	Applied Holography. , 2015, , .		0
90	Chaotic Cascades for D-Branes on Singularities. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2005, , 305-309.	0.1	0