

Hirosi Ooguri

List of Publications by Year in descending order

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84
papers

12,738
citations

50276

46
h-index

62596

80
g-index

84
all docs

84
docs citations

84
times ranked

3268
citing authors

#	ARTICLE	IF	CITATIONS
1	Large N field theories, string theory and gravity. Physics Reports, 2000, 323, 183-386.	25.6	4,041
2	Kodaira-Spencer theory of gravity and exact results for quantum string amplitudes. Communications in Mathematical Physics, 1994, 165, 311-427.	2.2	803
3	On the geometry of the string landscape and the swampland. Nuclear Physics B, 2007, 766, 21-33.	2.5	711
4	Strings in AdS3 and the SL(2,R) WZW model. I: The spectrum. Journal of Mathematical Physics, 2001, 42, 2929-2960.	1.1	434
5	Knot invariants and topological strings. Nuclear Physics B, 2000, 577, 419-438.	2.5	368
6	Black hole attractors and the topological string. Physical Review D, 2004, 70, .	4.7	336
7	Two-dimensional black hole and singularities of CY manifolds. Nuclear Physics B, 1996, 463, 55-72.	2.5	290
8	Hidden SL(n) symmetry in conformal field theories. Communications in Mathematical Physics, 1989, 126, 49-83.	2.2	283
9	D-branes on Calabi-Yau spaces and their mirrors. Nuclear Physics B, 1996, 477, 407-430.	2.5	250
10	Holography and defect conformal field theories. Physical Review D, 2002, 66, .	4.7	234
11	Non-supersymmetric AdS and the swampland. Advances in Theoretical and Mathematical Physics, 2017, 21, 1787-1801.	0.6	223
12	Glueball mass spectrum from supergravity. Journal of High Energy Physics, 1999, 1999, 017-017.	4.7	213
13	Strings in AdS3 and the SL(2,R) WZW model. II: Euclidean black hole. Journal of Mathematical Physics, 2001, 42, 2961-2977.	1.1	213
14	Nonrelativistic closed string theory. Journal of Mathematical Physics, 2001, 42, 3127-3151.	1.1	196
15	Permeable conformal walls and holography. Journal of High Energy Physics, 2002, 2002, 027-027.	4.7	184
16	Superconformal algebras and string compactification on manifolds with SU(n) holonomy. Nuclear Physics B, 1989, 315, 193-221.	2.5	173
17	Notes on the K3 Surface and the Mathieu Group M_{24} . Experimental Mathematics, 2011, 20, 91-96.	0.7	173
18	Strings in AdS3 and the SL(2,R) WZW model. III. Correlation functions. Physical Review D, 2002, 65, .	4.7	171

#	ARTICLE	IF	CITATIONS
19	Worldsheet derivation of a large N duality. Nuclear Physics B, 2002, 641, 3-34.	2.5	165
20	Mirror symmetry in three-dimensional gauge theories, quivers and D-branes. Nuclear Physics B, 1997, 493, 101-147.	2.5	158
21	Black holes, q-deformed 2d Yang-Mills, and non-perturbative topological strings. Nuclear Physics B, 2005, 715, 304-348.	2.5	157
22	The ϵ -deformation of gluino and non-planar diagrams. Advances in Theoretical and Mathematical Physics, 2003, 7, 53-85.	0.6	153
23	Symmetries in Quantum Field Theory and Quantum Gravity. Communications in Mathematical Physics, 2021, 383, 1669-1804.	2.2	140
24	Inside the horizon with AdS/CFT. Physical Review D, 2003, 67, .	4.7	139
25	Mirror symmetry in three-dimensional gauge theories, and D-brane moduli spaces. Nuclear Physics B, 1997, 493, 148-176.	2.5	137
26	Summing up Dirichlet Instantons. Physical Review Letters, 1996, 77, 3296-3298.	7.8	128
27	String theory on AdS ₃ . Journal of High Energy Physics, 1998, 1998, 026-026.	4.7	128
28	Strong coupling dynamics of four-dimensional $N = 1$ gauge theories from M-theory fivebrane. Advances in Theoretical and Mathematical Physics, 1997, 1, 1-52.	0.6	125
29	Constraints on Symmetries from Holography. Physical Review Letters, 2019, 122, 191601.	7.8	113
30	The holographic entropy cone. Journal of High Energy Physics, 2015, 2015, 1.	4.7	109
31	Meta-stable supersymmetry breaking vacua on intersecting branes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 641, 323-328.	4.1	96
32	Hartle's Hawking Wave-Function for Flux Compactifications: the Entropic Principle. Letters in Mathematical Physics, 2005, 74, 311-342.	1.1	95
33	Penrose limit of gauge theories. Nuclear Physics B, 2002, 635, 106-126.	2.5	92
34	Gravity Induced ϵ -Deformation. Advances in Theoretical and Mathematical Physics, 2003, 7, 405-417.	0.6	91
35	SOLITON EQUATIONS AND FREE FERMIONS ON RIEMANN SURFACES. Modern Physics Letters A, 1987, 02, 119-132.	1.2	80
36	Supersymmetric cycles in exceptional holonomy manifolds and Calabi-Yau four-folds. Nuclear Physics B, 1996, 480, 225-238.	2.5	79

#	ARTICLE	IF	CITATIONS
37	Exact solution to the Seiberg-Witten equation of noncommutative gauge theory. Physical Review D, 2001, 64, .	4.7	71
38	Landscape of supersymmetry breaking vacua in geometrically realized gauge theories. Nuclear Physics B, 2006, 755, 239-253.	2.5	68
39	Crystal Melting and Toric Calabi-Yau Manifolds. Communications in Mathematical Physics, 2009, 292, 179-199.	2.2	62
40	Locality of Gravitational Systems from Entanglement of Conformal Field Theories. Physical Review Letters, 2015, 114, 221601.	7.8	61
41	Light-cone modular bootstrap and pure gravity. Physical Review D, 2019, 100, .	4.7	60
42	Bulk locality and boundary creating operators. Journal of High Energy Physics, 2015, 2015, 1.	4.7	59
43	Boundary states for AdS2 branes in AdS3. Nuclear Physics B, 2002, 632, 283-302.	2.5	55
44	Spectrum of Large N Gauge Theory from Supergravity. Physical Review Letters, 1998, 80, 4116-4118.	7.8	51
45	Baby universes in string theory. Physical Review D, 2006, 73, .	4.7	51
46	How noncommutative gauge theories couple to gravity. Nuclear Physics B, 2001, 599, 55-82.	2.5	50
47	Issues in M(atr ix) theory compactification. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 402, 36-42.	4.1	45
48	Instability in Magnetic Materials with a Dynamical Axion Field. Physical Review Letters, 2012, 108, 161803.	7.8	45
49	Modular Constraints on Calabi-Yau Compactifications. Communications in Mathematical Physics, 2013, 324, 107-127.	2.2	40
50	Why matrix theory is hard. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 425, 71-76.	4.1	39
51	Gravitational positive energy theorems from information inequalities. Progress of Theoretical and Experimental Physics, 2016, 2016, 12C109.	6.6	34
52	KÄhler potential and higher derivative terms from M-theory fivebrane. Nuclear Physics B, 1998, 518, 173-211.	2.5	33
53	Spectrum of Hawking radiation and the Huygens principle. Physical Review D, 1986, 33, 3573-3580.	4.7	32
54	New Kaluza-Klein instantons and the decay of AdS vacua. Physical Review D, 2017, 96, .	4.7	32

#	ARTICLE	IF	CITATIONS
55	Branes and dynamical supersymmetry breaking. Nuclear Physics B, 1998, 522, 20-68.	2.5	31
56	Open strings on AdS2 branes. Nuclear Physics B, 2001, 610, 3-48.	2.5	30
57	Supersymmetry Breaking and Gauge Mediation. Annual Review of Nuclear and Particle Science, 2010, 60, 491-511.	10.2	30
58	Seiberg-Witten transforms of noncommutative solitons. Physical Review D, 2001, 64, .	4.7	29
59	Duality and axionic weak gravity. Physical Review D, 2020, 102, .	4.7	27
60	Bulk local states and crosscaps in holographic CFT. Journal of High Energy Physics, 2016, 2016, 1.	4.7	24
61	Metastable Vacua in Perturbed Seiberg-Witten Theories. Advances in Theoretical and Mathematical Physics, 2008, 12, 405-427.	0.6	21
62	Wall Crossing as Seen by Matrix Models. Communications in Mathematical Physics, 2011, 307, 429-462.	2.2	19
63	On the Worldsheet Derivation of Large N Dualities for the Superstring. Communications in Mathematical Physics, 2004, 252, 259-274.	2.2	18
64	Narain to Narnia. Communications in Mathematical Physics, 2022, 390, 425-470.	2.2	16
65	Quantum entanglement of baby universes. Nuclear Physics B, 2007, 778, 36-68.	2.5	14
66	Shortening anomalies in supersymmetric theories. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
67	Quantum aspects of the Seiberg-Witten map in noncommutative Chern-Simons theory. Nuclear Physics B, 2003, 663, 33-59.	2.5	12
68	SUPERCONFORMAL SYMMETRY AND GEOMETRY OF RICCI-FLAT KÄHLER MANIFOLDS. International Journal of Modern Physics A, 1989, 04, 4303-4324.	1.5	11
69	Reflections on conformal spectra. Journal of High Energy Physics, 2016, 2016, 1-25.	4.7	11
70	Singularities of thermal correlators at strong coupling. Physical Review D, 2021, 103, .	4.7	11
71	Twist gap and global symmetry in two dimensions. Physical Review D, 2020, 101, .	4.7	10
72	Nambu-Goldstone bosons in curved spacetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 163, 101-105.	4.1	9

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73	Modular invariant partition functions for the doubly extended $N = 4$ superconformal algebras. Nuclear Physics B, 1992, 368, 611-624.	2.5	7
74	A universal formula for the density of states in theories with finite-group symmetry. Classical and Quantum Gravity, 2022, 39, 134003.	4.0	6
75	High-energy behavior of Mellin amplitudes. Physical Review D, 2020, 101, .	4.7	5
76	Membrane scattering in curved space with M-momentum transfer. Nuclear Physics B, 1998, 525, 257-283.	2.5	4
77	BABY UNIVERSES AND STRING THEORY. International Journal of Modern Physics D, 2006, 15, 1581-1586.	2.1	4
78	D-branes and phases on string worldsheet. Nuclear Physics B, 2004, 699, 135-150.	2.5	3
79	M theory fivebrane and SQCD. Nuclear Physics, Section B, Proceedings Supplements, 1998, 68, 84-91.	0.4	2
80	On rational points in CFT moduli spaces. Journal of High Energy Physics, 2021, 2021, 1.	4.7	2
81	Gauge theories on branes. Nuclear Physics, Section B, Proceedings Supplements, 1998, 67, 172-179.	0.4	0
82	CHIRAL BOSONIZATION ON A RIEMANN SURFACE. , 1994, , 284-291.		0
83	Quantization of Mirror Symmetry. NATO ASI Series Series B: Physics, 1995, , 261-272.	0.2	0
84	The Mathematics of the Universe. Inference, 2018, 4, .	0.0	0