

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
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84
all docs

84
docs citations

84
times ranked

3268
citing authors

#	ARTICLE	IF	CITATIONS
1	Narain to Narnia. <i>Communications in Mathematical Physics</i> , 2022, 390, 425-470.	2.2	16
2	A universal formula for the density of states in theories with finite-group symmetry. <i>Classical and Quantum Gravity</i> , 2022, 39, 134003.	4.0	6
3	Singularities of thermal correlators at strong coupling. <i>Physical Review D</i> , 2021, 103, .	4.7	11
4	Symmetries in Quantum Field Theory and Quantum Gravity. <i>Communications in Mathematical Physics</i> , 2021, 383, 1669-1804.	2.2	140
5	On rational points in CFT moduli spaces. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	2
6	High-energy behavior of Mellin amplitudes. <i>Physical Review D</i> , 2020, 101, .	4.7	5
7	Twist gap and global symmetry in two dimensions. <i>Physical Review D</i> , 2020, 101, .	4.7	10
8	Duality and axionic weak gravity. <i>Physical Review D</i> , 2020, 102, .	4.7	27
9	Constraints on Symmetries from Holography. <i>Physical Review Letters</i> , 2019, 122, 191601.	7.8	113
10	Light-cone modular bootstrap and pure gravity. <i>Physical Review D</i> , 2019, 100, .	4.7	60
11	The Mathematics of the Universe. <i>Inference</i> , 2018, 4, .	0.0	0
12	New Kaluza-Klein instantons and the decay of AdS vacua. <i>Physical Review D</i> , 2017, 96, .	4.7	32
13	Shortening anomalies in supersymmetric theories. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	13
14	Non-supersymmetric AdS and the swampland. <i>Advances in Theoretical and Mathematical Physics</i> , 2017, 21, 1787-1801.	0.6	223
15	Bulk local states and crosscaps in holographic CFT. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	24
16	Gravitational positive energy theorems from information inequalities. <i>Progress of Theoretical and Experimental Physics</i> , 2016, 2016, 12C109.	6.6	34
17	Reflections on conformal spectra. <i>Journal of High Energy Physics</i> , 2016, 2016, 1-25.	4.7	11
18	The holographic entropy cone. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	109

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19	Bulk locality and boundary creating operators. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	59
20	Locality of Gravitational Systems from Entanglement of Conformal Field Theories. <i>Physical Review Letters</i> , 2015, 114, 221601.	7.8	61
21	Modular Constraints on Calabi-Yau Compactifications. <i>Communications in Mathematical Physics</i> , 2013, 324, 107-127.	2.2	40
22	Instability in Magnetic Materials with a Dynamical Axion Field. <i>Physical Review Letters</i> , 2012, 108, 161803.	7.8	45
23	Notes on the K3 Surface and the Mathieu Group M_{24} . <i>Experimental Mathematics</i> , 2011, 20, 91-96.	0.7	173
24	Wall Crossing as Seen by Matrix Models. <i>Communications in Mathematical Physics</i> , 2011, 307, 429-462.	2.2	19
25	Supersymmetry Breaking and Gauge Mediation. <i>Annual Review of Nuclear and Particle Science</i> , 2010, 60, 491-511.	10.2	30
26	Crystal Melting and Toric Calabi-Yau Manifolds. <i>Communications in Mathematical Physics</i> , 2009, 292, 179-199.	2.2	62
27	Metastable Vacua in Perturbed Seiberg-Witten Theories. <i>Advances in Theoretical and Mathematical Physics</i> , 2008, 12, 405-427.	0.6	21
28	On the geometry of the string landscape and the swampland. <i>Nuclear Physics B</i> , 2007, 766, 21-33.	2.5	711
29	Quantum entanglement of baby universes. <i>Nuclear Physics B</i> , 2007, 778, 36-68.	2.5	14
30	Baby universes in string theory. <i>Physical Review D</i> , 2006, 73, .	4.7	51
31	Landscape of supersymmetry breaking vacua in geometrically realized gauge theories. <i>Nuclear Physics B</i> , 2006, 755, 239-253.	2.5	68
32	Meta-stable supersymmetry breaking vacua on intersecting branes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 641, 323-328.	4.1	96
33	BABY UNIVERSES AND STRING THEORY. <i>International Journal of Modern Physics D</i> , 2006, 15, 1581-1586.	2.1	4
34	Hartle's "Hawking Wave-Function for Flux Compactifications: the Entropic Principle. <i>Letters in Mathematical Physics</i> , 2005, 74, 311-342.	1.1	95
35	Black holes, q-deformed 2d Yang-Mills, and non-perturbative topological strings. <i>Nuclear Physics B</i> , 2005, 715, 304-348.	2.5	157
36	Black hole attractors and the topological string. <i>Physical Review D</i> , 2004, 70, .	4.7	336

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37	On the Worldsheet Derivation of Large N Dualities for the Superstring. Communications in Mathematical Physics, 2004, 252, 259-274.	2.2	18
38	D-branes and phases on string worldsheet. Nuclear Physics B, 2004, 699, 135-150.	2.5	3
39	Quantum aspects of the Seiberg-Witten map in noncommutative Chern-Simons theory. Nuclear Physics B, 2003, 663, 33-59.	2.5	12
40	Inside the horizon with AdS/CFT. Physical Review D, 2003, 67, .	4.7	139
41	The ϵ -deformation of gluino and non-planar diagrams. Advances in Theoretical and Mathematical Physics, 2003, 7, 53-85.	0.6	153
42	Gravity Induced ϵ -Deformation. Advances in Theoretical and Mathematical Physics, 2003, 7, 405-417.	0.6	91
43	Holography and defect conformal field theories. Physical Review D, 2002, 66, .	4.7	234
44	Permeable conformal walls and holography. Journal of High Energy Physics, 2002, 2002, 027-027.	4.7	184
45	Strings in AdS ₃ and the SL(2,R) WZW model. III. Correlation functions. Physical Review D, 2002, 65, .	4.7	171
46	Boundary states for AdS ₂ branes in AdS ₃ . Nuclear Physics B, 2002, 632, 283-302.	2.5	55
47	Penrose limit of gauge theories. Nuclear Physics B, 2002, 635, 106-126.	2.5	92
48	Worldsheet derivation of a large N duality. Nuclear Physics B, 2002, 641, 3-34.	2.5	165
49	Strings in AdS ₃ and the SL(2,R) WZW model. I: The spectrum. Journal of Mathematical Physics, 2001, 42, 2929-2960.	1.1	434
50	Strings in AdS ₃ and the SL(2,R) WZW model. II: Euclidean black hole. Journal of Mathematical Physics, 2001, 42, 2961-2977.	1.1	213
51	How noncommutative gauge theories couple to gravity. Nuclear Physics B, 2001, 599, 55-82.	2.5	50
52	Open strings on AdS ₂ branes. Nuclear Physics B, 2001, 610, 3-48.	2.5	30
53	Exact solution to the Seiberg-Witten equation of noncommutative gauge theory. Physical Review D, 2001, 64, .	4.7	71
54	Nonrelativistic closed string theory. Journal of Mathematical Physics, 2001, 42, 3127-3151.	1.1	196

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55	Seiberg-Witten transforms of noncommutative solitons. Physical Review D, 2001, 64, .	4.7	29
56	Large N field theories, string theory and gravity. Physics Reports, 2000, 323, 183-386.	25.6	4,041
57	Knot invariants and topological strings. Nuclear Physics B, 2000, 577, 419-438.	2.5	368
58	Glueball mass spectrum from supergravity. Journal of High Energy Physics, 1999, 1999, 017-017.	4.7	213
59	Gauge theories on branes. Nuclear Physics, Section B, Proceedings Supplements, 1998, 67, 172-179.	0.4	0
60	M theory fivebrane and SQCD. Nuclear Physics, Section B, Proceedings Supplements, 1998, 68, 84-91.	0.4	2
61	Why matrix theory is hard. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 425, 71-76.	4.1	39
62	Kähler potential and higher derivative terms from M-theory fivebrane. Nuclear Physics B, 1998, 518, 173-211.	2.5	33
63	Branes and dynamical supersymmetry breaking. Nuclear Physics B, 1998, 522, 20-68.	2.5	31
64	Membrane scattering in curved space with M-momentum transfer. Nuclear Physics B, 1998, 525, 257-283.	2.5	4
65	String theory on AdS3. Journal of High Energy Physics, 1998, 1998, 026-026.	4.7	128
66	Spectrum of Large N Gauge Theory from Supergravity. Physical Review Letters, 1998, 80, 4116-4118.	7.8	51
67	Mirror symmetry in three-dimensional gauge theories, and D-brane moduli spaces. Nuclear Physics B, 1997, 493, 148-176.	2.5	137
68	Mirror symmetry in three-dimensional gauge theories, quivers and D-branes. Nuclear Physics B, 1997, 493, 101-147.	2.5	158
69	Issues in M(atrrix) theory compactification. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 402, 36-42.	4.1	45
70	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
71	Two-dimensional black hole and singularities of CY manifolds. Nuclear Physics B, 1996, 463, 55-72.	2.5	290
72	D-branes on Calabi-Yau spaces and their mirrors. Nuclear Physics B, 1996, 477, 407-430.	2.5	250

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73	Supersymmetric cycles in exceptional holonomy manifolds and Calabi-Yau four-folds. Nuclear Physics B, 1996, 480, 225-238.	2.5	79
74	Summing up Dirichlet Instantons. Physical Review Letters, 1996, 77, 3296-3298.	7.8	128
75	Quantization of Mirror Symmetry. NATO ASI Series Series B: Physics, 1995, , 261-272.	0.2	0
76	Kodaira-Spencer theory of gravity and exact results for quantum string amplitudes. Communications in Mathematical Physics, 1994, 165, 311-427.	2.2	803
77	CHIRAL BOSONIZATION ON A RIEMANN SURFACE. , 1994, , 284-291.		0
78	Modular invariant partition functions for the doubly extended $N = 4$ superconformal algebras. Nuclear Physics B, 1992, 368, 611-624.	2.5	7
79	SUPERCONFORMAL SYMMETRY AND GEOMETRY OF RICCI-FLAT KÄHLER MANIFOLDS. International Journal of Modern Physics A, 1989, 04, 4303-4324.	1.5	11
80	Hidden $SL(n)$ symmetry in conformal field theories. Communications in Mathematical Physics, 1989, 126, 49-83.	2.2	283
81	Superconformal algebras and string compactification on manifolds with $SU(n)$ holonomy. Nuclear Physics B, 1989, 315, 193-221.	2.5	173
82	SOLITON EQUATIONS AND FREE FERMIONS ON RIEMANN SURFACES. Modern Physics Letters A, 1987, 02, 119-132.	1.2	80
83	Spectrum of Hawking radiation and the Huygens principle. Physical Review D, 1986, 33, 3573-3580.	4.7	32
84	Nambu-Goldstone bosons in curved spacetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 163, 101-105.	4.1	9