

Yaron Oz

List of Publications by Year in descending order

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74
papers

5,955
citations

218381

26
h-index

85405

71
g-index

74
all docs

74
docs citations

74
times ranked

2927
citing authors

#	ARTICLE	IF	CITATIONS
1	Large N field theories, string theory and gravity. <i>Physics Reports</i> , 2000, 323, 183-386.	10.3	4,041
2	Glueball mass spectrum from supergravity. <i>Journal of High Energy Physics</i> , 1999, 1999, 017-017.	1.6	213
3	Relativistic hydrodynamics with general anomalous charges. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	1.6	182
4	Strong coupling dynamics of four-dimensional $N = 1$ gauge theories from M-theory fivebrane. <i>Advances in Theoretical and Mathematical Physics</i> , 1997, 1, 1-52.	0.4	125
5	The incompressible Navier-Stokes equations from black hole membrane dynamics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 680, 496-499.	1.5	67
6	M theory on $AdS_5 \times S^1$ and superconformal field theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 430, 87-93.	1.5	65
7	Conformal Field Theory as Microscopic Dynamics of Incompressible Euler and Navier-Stokes Equations. <i>Physical Review Letters</i> , 2008, 101, 261602.	2.9	54
8	Relativistic CFT hydrodynamics from the membrane paradigm. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	1.6	52
9	Supergravity description of non-Bogomol'nyi-Prasad-Sommerfield branes. <i>Physical Review D</i> , 2001, 63, .	1.6	51
10	Orbifolds of $AdS_5 \times S^5$ and 4d conformal field theories. <i>Nuclear Physics B</i> , 1998, 532, 163-180.	0.9	47
11	Large N QCD from rotating branes. <i>Physical Review D</i> , 1999, 59, .	1.6	46
12	Lifshitz hydrodynamics. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	46
13	A novel formula for bulk viscosity from the null horizon focusing equation. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	1.6	42
14	Non-relativistic branes. <i>Journal of High Energy Physics</i> , 2009, 2009, 073-073.	1.6	41
15	Anomalies in superfluids and a chiral electric effect. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	1.6	40
16	On the fermionic T-duality of the $AdS_4 \times CP^3$ sigma-model. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	1.6	39
17	The relativistic Rindler hydrodynamics. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	35
18	Lifshitz field theories at non-zero temperature, hydrodynamics and gravity. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	35

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19	Lifshitz scale anomalies. Journal of High Energy Physics, 2015, 2015, 1.	1.6	35
20	Integrability of Green-Schwarz sigma models with boundaries. Journal of High Energy Physics, 2011, 2011, 1.	1.6	34
21	Direct mediation and a visible metastable supersymmetry breaking sector. Journal of High Energy Physics, 2008, 2008, 099-099.	1.6	31
22	Fluid/gravity correspondence, local Wald entropy current and gravitational anomaly. Journal of High Energy Physics, 2012, 2012, 1.	1.6	31
23	On the membrane paradigm and spontaneous breaking of horizon BMS symmetries. Journal of High Energy Physics, 2016, 2016, 1.	1.6	31
24	Non-relativistic scale anomalies. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
25	Hydrodynamics and the detection of the QCD axial anomaly in heavy ion collisions. Journal of High Energy Physics, 2010, 2010, 1.	1.6	28
26	Self-duality of Green-Schwarz sigma-models. Journal of High Energy Physics, 2011, 2011, 1.	1.6	28
27	Supergravity, nonconformal field theories, and brane-worlds. Physical Review D, 2002, 65, .	1.6	24
28	Horava-Lifshitz black hole hydrodynamics. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
29	Entanglement and thermal entropy of gauge fields. Journal of High Energy Physics, 2013, 2013, 1.	1.6	21
30	CFT hydrodynamics: symmetries, exact solutions and gravity. Journal of High Energy Physics, 2009, 2009, 120-120.	1.6	20
31	Holographic non-abelian charged hydrodynamics from the dynamics of null horizons. Journal of High Energy Physics, 2010, 2010, 1.	1.6	20
32	Holographic Screens and Transport Coefficients in the Fluid-Gravity Correspondence. Physical Review Letters, 2011, 107, 201602.	2.9	19
33	Liouville conformal field theories in higher dimensions. Journal of High Energy Physics, 2018, 2018, 1.	1.6	19
34	The anomalous scaling exponents of turbulence in general dimension from random geometry. Journal of High Energy Physics, 2015, 2015, 1.	1.6	18
35	Lifshitz anomalies, Ward identities and split dimensional regularization. Journal of High Energy Physics, 2017, 2017, 1.	1.6	18
36	Penrose limit and six-dimensional gauge theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 544, 321-328.	1.5	16

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37	Supersymmetric sound in fluids. Journal of High Energy Physics, 2012, 2012, 1.	1.6	16
38	Large spin strings in AdS3. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 557, 253-262.	1.5	15
39	Local entropy current in higher curvature gravity and Rindler hydrodynamics. Journal of High Energy Physics, 2012, 2012, 1.	1.6	15
40	Conformal anomalies in hydrodynamics. Journal of High Energy Physics, 2013, 2013, 1.	1.6	13
41	Lifshitz superfluid hydrodynamics. Journal of High Energy Physics, 2014, 2014, 1.	1.6	13
42	Holographic vorticity in the fluid/gravity correspondence. Journal of High Energy Physics, 2013, 2013, 1.	1.6	12
43	The slow gravitino. Journal of High Energy Physics, 2014, 2014, 1.	1.6	12
44	Odd parity transport in non-Abelian superfluids from symmetry locking. Journal of High Energy Physics, 2014, 2014, 1.	1.6	12
45	On supersymmetric Lifshitz field theories. Journal of High Energy Physics, 2015, 2015, 1.	1.6	12
46	Gluon scattering in deformed $N=4$ SYM. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 662, 297-301.	1.5	11
47	Spontaneous breaking of non-relativistic scale symmetry. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
48	Ward identities for Hall transport. Journal of High Energy Physics, 2014, 2014, 1.	1.6	9
49	Spontaneous symmetry breaking, conformal anomaly and incompressible fluid turbulence. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
50	Branes and theta dependence. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 444, 318-326.	1.5	8
51	A search for heavy Kaluza-Klein electroweak gauge bosons at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	1.6	8
52	Gravity and a geometrisation of turbulence: an intriguing correspondence. Contemporary Physics, 2011, 52, 43-54.	0.8	8
53	The Penrose inequality and the fluid/gravity correspondence. Journal of High Energy Physics, 2011, 2011, 1.	1.6	8
54	Penrose inequality for asymptotically AdS spaces. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 307-308.	1.5	8

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55	$\mathcal{N}=1$ Liouville SCFT in four dimensions. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
56	Holomorphic structure and quantum critical points in supersymmetric Lifshitz field theories. Journal of High Energy Physics, 2019, 2019, 1.	1.6	8
57	Stability of asymptotically Schrödinger RN black hole and superconductivity. Journal of High Energy Physics, 2010, 2010, 1.	1.6	7
58	Constraints on Rindler hydrodynamics. Journal of High Energy Physics, 2013, 2013, 1.	1.6	7
59	Scaling relations in two-dimensional relativistic hydrodynamic turbulence. Journal of High Energy Physics, 2015, 2015, 1-31.	1.6	7
60	On non-relativistic supersymmetry and its spontaneous breaking. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7
61	The super-Higgs mechanism in fluids. Journal of High Energy Physics, 2014, 2014, 1.	1.6	6
62	Superfluid Kubo formulas from partition function. Journal of High Energy Physics, 2014, 2014, 1.	1.6	6
63	Ward identities for transport in 2+1 dimensions. Journal of High Energy Physics, 2015, 2015, 1.	1.6	6
64	Shocks and universal statistics in (1+1)-dimensional relativistic turbulence. Journal of High Energy Physics, 2011, 2011, 1.	1.6	5
65	Parity breaking transport in Lifshitz hydrodynamics. Journal of High Energy Physics, 2015, 2015, 1.	1.6	5
66	On scale versus conformal symmetry in turbulence. European Physical Journal C, 2018, 78, 1.	1.4	5
67	$\mathcal{N} = 2$ Liouville SCFT in four dimensions. Journal of High Energy Physics, 2019, 2019, 1.	1.6	4
68	The D1-D5 brane system in Type I String Theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 451, 336-342.	1.5	3
69	The sound of topology in the AdS/CFT correspondence. Journal of High Energy Physics, 2012, 2012, 1.	1.6	3
70	Jeans instability in superfluids. European Physical Journal C, 2014, 74, 1.	1.4	2
71	Exact anomalous dimensions for Script $\mathcal{N} = 2$ ADE SCFTs. Journal of High Energy Physics, 2003, 2003, 044-044.	1.6	1
72	Turbulence and Random Geometry. , 2019, , 203-215.		1

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73	Open/closed topological $\mathbb{C}\mathbb{P}^1$ sigma model revisited. Journal of High Energy Physics, 2012, 2012, 1.	1.6	0
74	ASPECTS OF TACHYON CONDENSATION IN STRING THEORY. , 2002, , 774-793.		0