

# Shiraz Minwalla

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

6,390  
citations

87888

38  
h-index

133252

59  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1645  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear fluid dynamics from gravity. Journal of High Energy Physics, 2008, 2008, 045-045.	4.7	822
2	An Index for 4 Dimensional Super Conformal Theories. Communications in Mathematical Physics, 2007, 275, 209-254.	2.2	528
3	The Hagedorn/Deconfinement Phase Transition in Weakly Coupled Large N Gauge Theories. Advances in Theoretical and Mathematical Physics, 2004, 8, 603-696.	0.6	444
4	Three-point functions of chiral operators in $D = 4$ , $\mathcal{N} = 4$ SYM at large $N$ . Advances in Theoretical and Mathematical Physics, 1998, 2, 697-718.	0.6	374
5	Noncommutative solitons. Journal of High Energy Physics, 2000, 2000, 020-020.	4.7	321
6	Chern-Simons theory with vector fermion matter. European Physical Journal C, 2012, 72, 1.	3.9	299
7	Restrictions imposed by superconformal invariance on quantum field theories. Advances in Theoretical and Mathematical Physics, 1998, 2, 783-851.	0.6	272
8	Constraints on fluid dynamics from equilibrium partition functions. Journal of High Energy Physics, 2012, 2012, 1.	4.7	235
9	Indices for superconformal field theories in 3, 5 and 6 dimensions. Journal of High Energy Physics, 2008, 2008, 064-064.	4.7	184
10	Local fluid dynamical entropy from gravity. Journal of High Energy Physics, 2008, 2008, 055-055.	4.7	165
11	Conformal nonlinear fluid dynamics from gravity in arbitrary dimensions. Journal of High Energy Physics, 2008, 2008, 116-116.	4.7	155
12	Weak field black hole formation in asymptotically AdS spacetimes. Journal of High Energy Physics, 2009, 2009, 034-034.	4.7	153
13	Black-hole/black-string phase transitions in thermal $(1 + 1)$ -dimensional supersymmetric Yang-Mills theory on a circle. Classical and Quantum Gravity, 2004, 21, 5169-5191.	4.0	127
14	Forced fluid dynamics from gravity. Journal of High Energy Physics, 2009, 2009, 018-018.	4.7	121
15	First order deconfinement transition in large $N$ Yang-Mills theory on a small $S^3$ . Physical Review D, 2005, 71, .	4.7	109
16	Superconformal indices for $d = 6$ Chern Simons theories. Journal of High Energy Physics, 2009, 2009, 014-014.	4.7	107
17	Chern Simons duality with a fundamental boson and fermion. Journal of High Energy Physics, 2013, 2013, 1.	4.7	101
18	The incompressible non-relativistic Navier-Stokes equation from gravity. Journal of High Energy Physics, 2009, 2009, 059-059.	4.7	100

#	ARTICLE	IF	CITATIONS
19	A theory of first order dissipative superfluid dynamics. Journal of High Energy Physics, 2014, 2014, 1.	4.7	93
20	Plasma balls in large- N gauge theories and localized black holes. Classical and Quantum Gravity, 2006, 23, 2171-2210.	4.0	92
21	Large rotating AdS black holes from fluid mechanics. Journal of High Energy Physics, 2008, 2008, 054-054.	4.7	92
22	Hairy black holes and solitons in global AdS5. Journal of High Energy Physics, 2012, 2012, 1.	4.7	88
23	Phases of large N vector Chern-Simons theories on $S^2 \times S^1$ . Journal of High Energy Physics, 2013, 2013, 1.	4.7	79
24	Small hairy black holes in global AdS spacetime. Journal of High Energy Physics, 2010, 2010, 1.	4.7	77
25	ABJ triality: from higher spin fields to strings. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 214009.	2.1	75
26	The phase structure of low dimensional large N gauge theories on tori. Journal of High Energy Physics, 2006, 2006, 140-140.	4.7	74
27	Closed string tachyon condensation: an overview. Classical and Quantum Gravity, 2004, 21, S1539-S1565.	4.0	70
28	Supersymmetric states of $d = 4$ Yang-Mills from giant gravitons. Journal of High Energy Physics, 2007, 2007, 006-006.	4.7	66
29	Unitarity, crossing symmetry and duality of the S-matrix in large N Chern-Simons theories with fundamental matter. Journal of High Energy Physics, 2015, 2015, 1.	4.7	66
30	Dissipative superfluid dynamics from gravity. Journal of High Energy Physics, 2011, 2011, 1.	4.7	62
31	Small hairy black holes in AdS $S^5 \times S^1$ . Journal of High Energy Physics, 2011, 2011, 1.	4.7	59
32	Closed String Tachyon Condensation on Twisted Circles. Journal of High Energy Physics, 2002, 2002, 041-041.	4.7	56
33	Notes on melonic $O(N) \times U(1)$ tensor models. Journal of High Energy Physics, 2018, 2018, 1.	4.7	50
34	Particles on AdS4/7 and primary operators on M2/5 brane worldvolumes. Journal of High Energy Physics, 1998, 1998, 002-002.	4.7	49
35	Comments on 1/16 BPS quantum states and classical configurations. Journal of High Energy Physics, 2008, 2008, 049-049.	4.7	48
36	Unitarity, crossing symmetry and duality in the scattering of $N = 1$ susy matter Chern-Simons theories. Journal of High Energy Physics, 2015, 2015, 1.	4.7	47

#	ARTICLE	IF	CITATIONS
37	Constraints on superfluid hydrodynamics from equilibrium partition functions. Journal of High Energy Physics, 2013, 2013, 1.	4.7	42
38	The large D black hole membrane paradigm at first subleading order. Journal of High Energy Physics, 2016, 2016, 1.	4.7	39
39	Chern Simons bosonization along RG flows. Journal of High Energy Physics, 2016, 2016, 1.	4.7	37
40	Flows, fixed points and duality in Chern-Simons-matter theories. Journal of High Energy Physics, 2018, 2018, 1.	4.7	34
41	Plasmarings as dual black rings. Journal of High Energy Physics, 2008, 2008, 001-001.	4.7	33
42	Currents and radiation from the large D black hole membrane. Journal of High Energy Physics, 2017, 2017, 1.	4.7	32
43	Unstable "black branes"™ from scaled membranes at large D. Journal of High Energy Physics, 2016, 2016, 1.	4.7	31
44	Supersymmetric states in M5/M2 CFTs. Journal of High Energy Physics, 2007, 2007, 004-004.	4.7	29
45	The fluid/gravity correspondence. , 2012, , 348-386.		28
46	Supersymmetric states in large N Chern-Simons-matter theories. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
47	Poles in the S-matrix of relativistic Chern-Simons matter theories from quantum mechanics. Journal of High Energy Physics, 2015, 2015, 1.	4.7	26
48	A membrane paradigm at large D. Journal of High Energy Physics, 2016, 2016, 1-38.	4.7	22
49	Bounds on Regge growth of flat space scattering from bounds on chaos. Journal of High Energy Physics, 2021, 2021, 1.	4.7	21
50	Evolution of D-branes under closed string tachyon condensation. Journal of High Energy Physics, 2003, 2003, 011-011.	4.7	20
51	An action for and hydrodynamics from the improved Large D membrane. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
52	Bose-Fermi Chern-Simons dualities in the Higgsed phase. Journal of High Energy Physics, 2018, 2018, 1.	4.7	19
53	A charged membrane paradigm at large D. Journal of High Energy Physics, 2016, 2016, 1-54.	4.7	15
54	Duality and an exact Landau-Ginzburg potential for quasi-bosonic Chern-Simons-Matter theories. Journal of High Energy Physics, 2018, 2018, 1.	4.7	15

#	ARTICLE	IF	CITATIONS
55	Matter Chern Simons theories in a background magnetic field. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
56	The large N phase diagram of $\mathcal{N} = 2$ SU(N) Chern-Simons theory with one fundamental chiral multiplet. Journal of High Energy Physics, 2019, 2019, 1.	4.7	10
57	Fermi seas from Bose condensates in Chern-Simons matter theories and a bosonic exclusion principle. Journal of High Energy Physics, 2020, 2020, 1.	4.7	9
58	The deconfinement and Hagedorn phase transitions in weakly coupled large N gauge theories. Comptes Rendus Physique, 2004, 5, 945-954.	0.9	7
59	Black holes in large N gauge theories. Classical and Quantum Gravity, 2006, 23, S927-S956.	4.0	3
60	Applications of the AdS/CFT correspondence. Pramana - Journal of Physics, 2012, 79, 1075-1090.	1.8	1