

# Sumit R Das

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6378356/publications.pdf>

Version: 2024-02-01

71  
papers

2,514  
citations

186265

28  
h-index

197818

49  
g-index

71  
all docs

71  
docs citations

71  
times ranked

767  
citing authors

#	ARTICLE	IF	CITATIONS
1	Path integral complexity and Kasner singularities. Journal of High Energy Physics, 2022, 2022, 1.	4.7	8
2	QCD, strings and emergent space. European Physical Journal: Special Topics, 2022, 231, 73-82.	2.6	2
3	Entanglement entropy and phase space density: lowest Landau levels and 1/2 BPS states. Journal of High Energy Physics, 2022, 2022, .	4.7	0
4	Gauge invariant target space entanglement in D-brane holography. Journal of High Energy Physics, 2021, 2021, 1.	4.7	13
5	Quantum quench in $c = 1$ matrix model and emergent space-times. Journal of High Energy Physics, 2020, 2020, 1.	4.7	3
6	Near conformal perturbation theory in SYK type models. Journal of High Energy Physics, 2020, 2020, 1.	4.7	6
7	Bulk entanglement entropy and matrices. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 444002.	2.1	19
8	Quantum quench in non-relativistic fermionic field theory: harmonic traps and 2d string theory. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
9	Three dimensional view of arbitrary $q$ SYK models. Journal of High Energy Physics, 2018, 2018, 1.	4.7	42
10	Path-integral complexity for perturbed CFTs. Journal of High Energy Physics, 2018, 2018, 1.	4.7	89
11	Space-time in the SYK model. Journal of High Energy Physics, 2018, 2018, 1.	4.7	50
12	Duality in the Sachdev-Ye-Kitaev Model. Springer Proceedings in Mathematics and Statistics, 2018, , 43-61.	0.2	3
13	Quantum quench and scaling of entanglement entropy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 53-57.	4.1	26
14	An exactly solvable quench protocol for integrable spin models. Journal of High Energy Physics, 2017, 2017, 1.	4.7	18
15	Three dimensional view of the SYK/AdS duality. Journal of High Energy Physics, 2017, 2017, 1.	4.7	93
16	Holographic entanglement entropy of a $1 + 1$ dimensional p-wave superconductor. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8
17	Old and new scaling laws in quantum quench. Progress of Theoretical and Experimental Physics, 2016, 2016, 12C107.	6.6	13
18	Fluctuations in a cosmology with a spacelike singularity and their gauge theory dual description. Physical Review D, 2016, 94, .	4.7	16

#	ARTICLE	IF	CITATIONS
19	Quantum quenches in free field theory: universal scaling at any rate. Journal of High Energy Physics, 2016, 2016, 1.	4.7	31
20	Smooth and fast versus instantaneous quenches in quantum field theory. Journal of High Energy Physics, 2015, 2015, 1.	4.7	36
21	Kibble-Zurek scaling in holographic quantum quench: backreaction. Journal of High Energy Physics, 2015, 2015, 1.	4.7	20
22	Universality in fast quantum quenches. Journal of High Energy Physics, 2015, 2015, 1.	4.7	56
23	Universal Scaling in Fast Quantum Quenches in Conformal Field Theories. Physical Review Letters, 2014, 112, 171601.	7.8	61
24	dS/CFT at uniform energy density and a de Sitter $\text{AdS/CFT}$ . Journal of High Energy Physics, 2014, 2014, 1.	4.7	7
25	Quantum quench across a zero temperature holographic superfluid transition. Journal of High Energy Physics, 2013, 2013, 1.	4.7	56
26	Quantum quench and double trace couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	23
27	Double trace flows and holographic RG in dS/CFT correspondence. Journal of High Energy Physics, 2013, 2013, 1.	4.7	11
28	Bi-local construction of $Sp(2N)/dS$ higher spin correspondence. Journal of High Energy Physics, 2013, 2013, 1.	4.7	28
29	Holographic quantum quench. Journal of Physics: Conference Series, 2012, 343, 012027.	0.4	36
30	Non-equilibrium dynamics of $O(N)$ nonlinear sigma models: a large- $N$ approach. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17
31	Quantum quench across a holographic critical point. Journal of High Energy Physics, 2012, 2012, 1.	4.7	69
32	On dumb holes and their gravity duals. Journal of High Energy Physics, 2011, 2011, 1.	4.7	12
33	Probe branes, time-dependent couplings and thermalization in AdS/CFT. Journal of High Energy Physics, 2010, 2010, 1.	4.7	96
34	Compact $U(1)$ gauge theory in $2+1$ dimensions: Electrostatics in $2+1$ dimensions: Confinement with Gapless Modes. Physical Review Letters, 2010, 104, 181601.	7.8	15
35	$CP^N$ models at a Lifshitz point. Physical Review D, 2009, 80, .	4.7	28
36	Slowly varying dilaton cosmologies and their field theory duals. Physical Review D, 2009, 80, .	4.7	14

#	ARTICLE	IF	CITATIONS
37	Gauge theories with time dependent couplings and their cosmological duals. Physical Review D, 2009, 79, .	4.7	36
38	Gauge theory duals of cosmological backgrounds and their energy momentum tensors. Physical Review D, 2008, 77, .	4.7	36
39	SINGULARITIES AND GAUGE-GRAVITY DUALITY. International Journal of Modern Physics A, 2008, 23, 2201-2210.	1.5	0
40	Big bang/big crunch cosmologies in matrix theory and AdS/CFT. Journal of Physics: Conference Series, 2008, 140, 012010.	0.4	1
41	HOLOGRAPHY AND COSMOLOGICAL SINGULARITIES. International Journal of Modern Physics A, 2007, 22, 5638-5655.	1.5	4
42	Cosmologies with null singularities and their gauge theory duals. Physical Review D, 2007, 75, .	4.7	46
43	Open string descriptions of spacelike singularities in two dimensional string theory. Physical Review D, 2007, 75, .	4.7	7
44	String theory and cosmological singularities. Pramana - Journal of Physics, 2007, 69, 93-108.	1.8	3
45	Time-dependent cosmologies and their duals. Physical Review D, 2006, 74, .	4.7	77
46	Matrix membrane big bangs and D-brane production. Physical Review D, 2006, 73, .	4.7	28
47	Branes wrapping black holes. Nuclear Physics B, 2006, 733, 297-333.	2.5	9
48	TIME-DEPENDENT 2D SPACETIMES FROM MATRICES. Modern Physics Letters A, 2005, 20, 2101-2118.	1.2	4
49	ppwave big bangs: Matrix strings and shrinking fuzzy spheres. Physical Review D, 2005, 72, .	4.7	39
50	Spacelike boundaries from the $c=1$ matrix model. Physical Review D, 2005, 71, .	4.7	20
51	Particle production in matrix cosmology. Physical Review D, 2004, 70, .	4.7	28
52	Large-N collective fields and holography. Physical Review D, 2003, 68, .	4.7	73
53	Giant gravitons, Bogomol'nyi-Prasad-Sommerfield bounds, and noncommutativity. Physical Review D, 2001, 63, .	4.7	60
54	The Quantum Physics of Black Holes: Results from String Theory. Annual Review of Nuclear and Particle Science, 2000, 50, 153-206.	10.2	38

#	ARTICLE	IF	CITATIONS
55	Magnetic moments of branes and giant gravitons. Journal of High Energy Physics, 2000, 2000, 037-037.	4.7	49
56	Vibration modes of giant gravitons. Physical Review D, 2000, 63, .	4.7	68
57	Holograms of branes in the bulk and acceleration terms in SYM effective action. Journal of High Energy Physics, 1999, 1999, 029-029.	4.7	8
58	Brane waves, Yang-Mills theories and causality. Journal of High Energy Physics, 1999, 1999, 012-012.	4.7	16
59	Comparing decay rates for black holes and D-branes. Nuclear Physics B, 1996, 478, 561-576.	2.5	236
60	Degrees of freedom in two dimensional string theory. Nuclear Physics, Section B, Proceedings Supplements, 1996, 45, 224-233.	0.4	13
61	Folds, bosonization and non-triviality of the classical limit of 2D string theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 365, 79-86.	4.1	24
62	Quark confinement and dual representation in (2+1)-dimensional pure Yang-Mills theory. Physical Review D, 1996, 53, 5856-5865.	4.7	8
63	Geometric entropy of nonrelativistic fermions and two-dimensional strings. Physical Review D, 1995, 51, 6901-6908.	4.7	23
64	MATRIX MODELS AND BLACK HOLES. Modern Physics Letters A, 1993, 08, 69-78.	1.2	24
65	BOSONIZATION OF NON-RELATIVISTIC FERMIONS AND W-INFINITY ALGEBRA. Modern Physics Letters A, 1992, 07, 71-83.	1.2	32
66	GAUGE THEORY FORMULATION OF THE $c=1$ MATRIX MODEL: SYMMETRIES AND DISCRETE STATES. International Journal of Modern Physics A, 1992, 07, 5165-5191.	1.5	39
67	STRING FIELD THEORY AND PHYSICAL INTERPRETATION OF D=1 STRINGS. Modern Physics Letters A, 1990, 05, 1639-1650.	1.2	262
68	QUANTIZATION OF THE LIOUVILLE MODE AND STRING THEORY. Modern Physics Letters A, 1989, 04, 1033-1041.	1.2	83
69	Some aspects of large-N theories. Reviews of Modern Physics, 1987, 59, 235-261.	45.6	65
70	Topology of quantum gauge fields and duality (I): Yang-Mills-Higgs system in 2 + 1 dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 106, 386-392.	4.1	18
71	Gauge Gravity Duality and String Cosmology. , 0, , 231-265.		1