

Samir D Mathur

List of Publications by Year in descending order

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85
papers

4,583
citations

116194

36
h-index

111975

67
g-index

86
all docs

86
docs citations

86
times ranked

1136
citing authors

#	ARTICLE	IF	CITATIONS
1	The elastic vacuum. International Journal of Modern Physics D, 2021, 30, .	0.9	1
2	Three puzzles in cosmology. International Journal of Modern Physics D, 2020, 29, 2030013.	0.9	6
3	Lifting of level-1 states in the D1D5 CFT. Journal of High Energy Physics, 2020, 2020, 1.	1.6	16
4	Thermalization in the D1D5 CFT. Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
5	Lifting at higher levels in the D1D5 CFT. Journal of High Energy Physics, 2020, 2020, 1.	1.6	16
6	The vecro hypothesis. International Journal of Modern Physics D, 2020, 29, 2030009.	0.9	7
7	Lifting of D1-D5-P states. Journal of High Energy Physics, 2019, 2019, 1.	1.6	26
8	The fuzzball nature of two-charge black hole microstates. Nuclear Physics B, 2019, 945, 114684.	0.9	12
9	Resolving the black hole causality paradox. General Relativity and Gravitation, 2019, 51, 1.	0.7	9
10	The nature of the gravitational vacuum. International Journal of Modern Physics D, 2019, 28, 1944005.	0.9	2
11	Lifting of states in 2-dimensional N = 4 supersymmetric CFTs. Journal of High Energy Physics, 2019, 2019, 1.	1.6	15
12	Can the universe be described by a wave function?. International Journal of Modern Physics D, 2018, 27, 1847004.	0.9	1
13	Can we observe fuzzballs or firewalls?. Journal of High Energy Physics, 2018, 2018, 1.	1.6	44
14	Spacetime has a "thickness". International Journal of Modern Physics D, 2017, 26, 1742002.	0.9	3
15	Full action of two deformation operators in the D1D5 CFT. Journal of High Energy Physics, 2017, 2017, 1.	1.6	21
16	One-loop transition amplitudes in the D1D5 CFT. Journal of High Energy Physics, 2017, 2017, 1.	1.6	16
17	Is entropy really proportional to area?. , 2017, , .		0
18	What are fuzzballs, and do they have to behave as firewalls?. , 2017, , .		0

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19	What prevents gravitational collapse in string theory?. International Journal of Modern Physics D, 2016, 25, 1644018.	0.9	7
20	Second order effect of twist deformations in the D1D5 CFT. Journal of High Energy Physics, 2016, 2016, 1-51.	1.6	4
21	Analyzing the squeezed state generated by a twist deformation. Physical Review D, 2015, 91, .	1.6	15
22	Nature abhors a horizon. International Journal of Modern Physics D, 2015, 24, 1543003.	0.9	14
23	Effect of the deformation operator in the D1D5 CFT. Journal of High Energy Physics, 2015, 2015, 1.	1.6	39
24	Remnants, fuzzballs or wormholes?. International Journal of Modern Physics D, 2014, 23, 1442024.	0.9	2
25	Bogoliubov coefficients for the twist operator in the D1D5 CFT. Nuclear Physics B, 2014, 889, 443-485.	0.9	29
26	An equation of state in the limit of high densities. Physical Review D, 2014, 90, .	1.6	8
27	Comments on black holes I: the possibility of complementarity. Journal of High Energy Physics, 2014, 2014, 1.	1.6	75
28	Oscillating supertubes and neutral rotating black hole microstates. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
29	Effect of the twist operator in the D1D5 CFT. Journal of High Energy Physics, 2014, 2014, 1.	1.6	32
30	The flaw in the firewall argument. Nuclear Physics B, 2014, 884, 566-611.	0.9	42
31	A toy black hole S-matrix in the D1-D5 CFT. Journal of High Energy Physics, 2013, 2013, 1.	1.6	8
32	D1-D5-P microstates at the cap. Journal of High Energy Physics, 2013, 2013, 1.	1.6	67
33	Adding momentum to supersymmetric geometries. Nuclear Physics B, 2013, 868, 383-415.	0.9	53
34	WHAT HAPPENS AT THE HORIZON?. International Journal of Modern Physics D, 2013, 22, 1341016.	0.9	6
35	Black holes and holography. Journal of Physics: Conference Series, 2012, 405, 012005.	0.3	11
36	WHAT CAN THE INFORMATION PARADOX TELL US ABOUT THE EARLY UNIVERSE?. International Journal of Modern Physics D, 2012, 21, 1241002.	0.9	3

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37	Momentum-carrying waves on D1&D5 microstate geometries. Nuclear Physics B, 2012, 862, 764-780.	0.9	32
38	Black holes and beyond. Annals of Physics, 2012, 327, 2760-2793.	1.0	49
39	The information paradox: Conflicts and resolutions. Pramana - Journal of Physics, 2012, 79, 1059-1073.	0.9	23
40	Microstates at the boundary of AdS. Journal of High Energy Physics, 2012, 2012, 1.	1.6	42
41	Effective information loss outside the horizon. General Relativity and Gravitation, 2011, 43, 2561-2566.	0.7	0
42	Correlations in Hawking radiation and the infall problem. Journal of High Energy Physics, 2011, 2011, 1.	1.6	40
43	The information paradox and the infall problem. Classical and Quantum Gravity, 2011, 28, 125010.	1.5	36
44	EFFECTIVE INFORMATION LOSS OUTSIDE THE HORIZON. International Journal of Modern Physics D, 2011, 20, 2881-2886.	0.9	0
45	Deforming the D1D5 CFT away from the orbifold point. Journal of High Energy Physics, 2010, 2010, 1.	1.6	59
46	Excitations in the deformed D1D5 CFT. Journal of High Energy Physics, 2010, 2010, 1.	1.6	49
47	Unwinding of strings thrown into a fuzzball. Journal of High Energy Physics, 2010, 2010, 1.	1.6	1
48	Tunneling into fuzzball states. General Relativity and Gravitation, 2010, 42, 113-118.	0.7	44
49	Membrane paradigm realized?. General Relativity and Gravitation, 2010, 42, 2331-2336.	0.7	10
50	MEMBRANE PARADIGM REALIZED?. International Journal of Modern Physics D, 2010, 19, 2423-2428.	0.9	2
51	HOW FAST CAN A BLACK HOLE RELEASE ITS INFORMATION?. International Journal of Modern Physics D, 2009, 18, 2215-2219.	0.9	28
52	Emission from the D1D5 CFT. Journal of High Energy Physics, 2009, 2009, 065-065.	1.6	46
53	Non-extremal fuzzballs and ergoregion emission. Classical and Quantum Gravity, 2009, 26, 035006.	1.5	41
54	The information paradox: a pedagogical introduction. Classical and Quantum Gravity, 2009, 26, 224001.	1.5	613

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55	FALLING INTO A BLACK HOLE. International Journal of Modern Physics D, 2008, 17, 583-589.	0.9	1
56	Radiation from the non-extremal fuzzball. Classical and Quantum Gravity, 2008, 25, 135005.	1.5	81
57	Pair creation in non-extremal fuzzball geometries. Classical and Quantum Gravity, 2008, 25, 225021.	1.5	38
58	A microstate for the 3-charge black ring. Nuclear Physics B, 2007, 763, 60-90.	0.9	15
59	Fuzzball geometries and higher derivative corrections for extremal holes. Nuclear Physics B, 2006, 738, 48-75.	0.9	23
60	3-charge geometries and their CFT duals. Nuclear Physics B, 2005, 710, 425-463.	0.9	151
61	Geometry of $D1\hat{\times}D5\hat{\times}P$ bound states. Nuclear Physics B, 2005, 729, 203-220.	0.9	77
62	Constructing $\tilde{\text{hair}}^{\text{TM}}$ for the three charge hole. Nuclear Physics B, 2004, 680, 415-449.	0.9	109
63	Dual geometries for a set of 3-charge microstates. Nuclear Physics B, 2004, 701, 357-379.	0.9	179
64	WHERE ARE THE STATES OF A BLACK HOLE?. , 2004, , .		3
65	What is the gravity dual of a chiral primary?. Nuclear Physics B, 2003, 655, 185-217.	0.9	91
66	HOW DOES THE UNIVERSE EXPAND?. International Journal of Modern Physics D, 2003, 12, 1681-1685.	0.9	10
67	Statistical Interpretation of the Bekenstein Entropy for Systems with a Stretched Horizon. Physical Review Letters, 2002, 88, 211303.	2.9	204
68	A PROPOSAL TO RESOLVE THE BLACK HOLE INFORMATION PARADOX. International Journal of Modern Physics D, 2002, 11, 1537-1540.	0.9	20
69	AdS/CFT duality and the black hole information paradox. Nuclear Physics B, 2002, 623, 342-394.	0.9	412
70	Rotating deformations of $AdS_3\hat{\times}S^3$, the orbifold CFT and strings in the pp-wave limit. Nuclear Physics B, 2002, 642, 91-113.	0.9	48
71	Three-Point Functions for $M N / S N$ Orbifolds $\hat{\times}$ with $\mathcal{N} = 4$ Supersymmetry. Communications in Mathematical Physics, 2002, 227, 385-419.	1.0	130
72	Metric of the multiply wound rotating string. Nuclear Physics B, 2001, 610, 49-76.	0.9	192

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73	The slowly rotating near extremal D1-D5 system as a "hot tube". Nuclear Physics B, 2001, 615, 285-312.	0.9	43
74	Correlation Functions for M N / S N Orbifolds. Communications in Mathematical Physics, 2001, 219, 399-442.	1.0	191
75	CORRELATION FUNCTIONS FOR MN/SN ORBIFOLDS. International Journal of Modern Physics A, 2001, 16, 967-969.	0.5	5
76	A COMMENT ON THE BLACK HOLE INFORMATION PARADOX. International Journal of Modern Physics A, 2001, 16, 1001-1004.	0.5	0
77	RESOLVING THE BLACK HOLE INFORMATION PARADOX. International Journal of Modern Physics A, 2000, 15, 4877-4882.	0.5	10
78	The Quantum Physics of Black Holes: Results from String Theory. Annual Review of Nuclear and Particle Science, 2000, 50, 153-206.	3.5	38
79	EXTREMAL CORRELATORS IN THE ADS/CFT CORRESPONDENCE. , 2000, , 332-360.		30
80	Emission rates, the correspondence principle and the information paradox. Nuclear Physics B, 1998, 529, 295-320.	0.9	37
81	Universality of Low Energy Absorption Cross Sections for Black Holes. Physical Review Letters, 1997, 78, 417-419.	2.9	256
82	Comparing decay rates for black holes and D-branes. Nuclear Physics B, 1996, 478, 561-576.	0.9	236
83	Interactions involving D-branes. Nuclear Physics B, 1996, 482, 153-172.	0.9	81
84	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.	1.5	24
85	Excitations of D-strings, entropy and duality. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 375, 103-110.	1.5	91