

Ashoke Sen

List of Publications by Year in descending order

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70
papers

6,684
citations

66343

42
h-index

106344

65
g-index

70
all docs

70
docs citations

70
times ranked

1326
citing authors

#	ARTICLE	IF	CITATIONS
1	BPS state counting in N=8 supersymmetric string theory for pure D-brane configurations. Journal of High Energy Physics, 2014, 2014, 1.	4.7	8
2	Black hole bound state metamorphosis. Journal of High Energy Physics, 2013, 2013, 1.	4.7	4
3	Logarithmic corrections to $\mathcal{N} = 2$ black hole entropy: an infrared window into the microstates. General Relativity and Gravitation, 2012, 44, 1207-1266.	2.0	83
4	Logarithmic corrections to rotating extremal black hole entropy in four and five dimensions. General Relativity and Gravitation, 2012, 44, 1947-1991.	2.0	92
5	How do black holes predict the sign of the Fourier coefficients of siegel modular forms?. General Relativity and Gravitation, 2011, 43, 2171-2183.	2.0	23
6	Logarithmic corrections to extremal black hole entropy from quantum entropy function. Journal of High Energy Physics, 2011, 2011, 1.	4.7	96
7	Supersymmetric index from black hole entropy. Journal of High Energy Physics, 2011, 2011, 1.	4.7	58
8	Negative discriminant states in $\mathcal{N} = 4$ supersymmetric string theories. Journal of High Energy Physics, 2011, 2011, 1.	4.7	8
9	Logarithmic corrections to $\mathcal{N} = 4$ and $\mathcal{N} = 8$ black hole entropy: a one loop test of quantum gravity. Journal of High Energy Physics, 2011, 2011, 1.	4.7	87
10	Black Hole Microstate Counting and its Macroscopic Counterpart. Nuclear Physics, Section B, Proceedings Supplements, 2011, 216, 147-168.	0.4	35
11	Black hole hair removal: non-linear analysis. Journal of High Energy Physics, 2010, 2010, 1.	4.7	28
12	Supersymmetry, localization and quantum entropy function. Journal of High Energy Physics, 2010, 2010, 1.	4.7	40
13	A twist in the dyon partition function. Journal of High Energy Physics, 2010, 2010, 1.	4.7	23
14	Two charge system revisited: small black holes or horizonless solutions?. Journal of High Energy Physics, 2010, 2010, 1.	4.7	31
15	Discrete information from CHL black holes. Journal of High Energy Physics, 2010, 2010, 1.	4.7	18
16	Black hole microstate counting and its macroscopic counterpart. Classical and Quantum Gravity, 2010, 27, 214003.	4.0	31
17	Genus two surface and quarter BPS dyons: the contour prescription. Journal of High Energy Physics, 2009, 2009, 151-151.	4.7	16
18	Asymptotic expansion of the $\tau = 4$ dyon degeneracy. Journal of High Energy Physics, 2009, 2009, 121-121.	4.7	52

#	ARTICLE	IF	CITATIONS
19	Arithmetic of quantum entropy function. Journal of High Energy Physics, 2009, 2009, 068-068.	4.7	80
20	$\text{AdS}_3/\text{CFT}_2$ to $\text{AdS}_2/\text{CFT}_1$. Journal of High Energy Physics, 2009, 2009, 034-034.	4.7	41
21	Black hole entropy function, attractors and precision counting of microstates. General Relativity and Gravitation, 2008, 40, 2249-2431.	2.0	296
22	Spinning strings as small black rings. Journal of High Energy Physics, 2007, 2007, 017-017.	4.7	22
23	Black hole microstates and attractor without supersymmetry. Journal of High Energy Physics, 2007, 2007, 096-096.	4.7	90
24	Dyon spectrum in CHL models. Journal of High Energy Physics, 2006, 2006, 018-018.	4.7	117
25	Entropy function for heterotic black holes. Journal of High Energy Physics, 2006, 2006, 008-008.	4.7	157
26	Rotating attractors. Journal of High Energy Physics, 2006, 2006, 058-058.	4.7	187
27	Higher derivative corrections to non-supersymmetric extremal black holes in Script N = 2 supergravity. Journal of High Energy Physics, 2006, 2006, 029-029.	4.7	73
28	Product representation of dyon partition function in CHL models. Journal of High Energy Physics, 2006, 2006, 064-064.	4.7	83
29	BTZ black hole with Chern-Simons and higher derivative terms. Journal of High Energy Physics, 2006, 2006, 008-008.	4.7	94
30	Stretching the horizon of a higher dimensional small black hole. Journal of High Energy Physics, 2005, 2005, 073-073.	4.7	71
31	Black holes, elementary strings and holomorphic anomaly. Journal of High Energy Physics, 2005, 2005, 063-063.	4.7	58
32	Black hole entropy function and the attractor mechanism in higher derivative gravity. Journal of High Energy Physics, 2005, 2005, 038-038.	4.7	360
33	How does a fundamental string stretch its horizon?. Journal of High Energy Physics, 2005, 2005, 059-059.	4.7	99
34	TACHYON DYNAMICS IN OPEN STRING THEORY. International Journal of Modern Physics A, 2005, 20, 5513-5656.	1.5	366
35	Moduli Space of Unstable D-branes on a Circle of Critical Radius. Journal of High Energy Physics, 2004, 2004, 070-070.	4.7	14
36	Symmetries, Conserved Charges and (Black) Holes in Two Dimensional String Theory. Journal of High Energy Physics, 2004, 2004, 053-053.	4.7	9

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37	OPEN-CLOSED DUALITY: LESSONS FROM MATRIX MODEL. Modern Physics Letters A, 2004, 19, 841-853.	1.2	66
38	Tachyon dynamics in string theory. Pramana - Journal of Physics, 2004, 62, 403-413.	1.8	0
39	Open and closed strings from unstable D-branes. Physical Review D, 2003, 68, .	4.7	63
40	Dirac-Born-Infeld action on the tachyon kink and vortex. Physical Review D, 2003, 68, .	4.7	152
41	Tachyons in String Theory. , 2003, , 31-42.		0
42	Decay of Unstable D-branes with Electric Field. Journal of High Energy Physics, 2002, 2002, 047-047.	4.7	95
43	FIELD THEORY OF TACHYON MATTER. Modern Physics Letters A, 2002, 17, 1797-1804.	1.2	482
44	Supersymmetric world-volume action for non-BPS D-branes. Journal of High Energy Physics, 1999, 1999, 008-008.	4.7	323
45	Black holes and elementary string states in N = 2 supersymmetric string theories. Journal of High Energy Physics, 1998, 1998, 011-011.	4.7	17
46	Stable non-BPS bound states of BPS D-branes. Journal of High Energy Physics, 1998, 1998, 010-010.	4.7	253
47	Kaluza-Klein Dyons in String Theory. Physical Review Letters, 1997, 79, 1619-1621.	7.8	47
48	Rotating black holes which saturate a Bogomol'nyi bound. Physical Review D, 1996, 53, 808-815.	4.7	53
49	EXTREMAL BLACK HOLES AND ELEMENTARY STRING STATES. Modern Physics Letters A, 1995, 10, 2081-2093.	1.2	319
50	String-string duality conjecture in six dimensions and charged solitonic strings. Nuclear Physics B, 1995, 450, 103-114.	2.5	123
51	Dual pairs of type II string compactification. Nuclear Physics B, 1995, 455, 165-187.	2.5	90
52	STRONG-WEAK COUPLING DUALITY IN FOUR-DIMENSIONAL STRING THEORY. International Journal of Modern Physics A, 1994, 09, 3707-3750.	1.5	358
53	Macroscopic charged heterotic string. Nuclear Physics B, 1992, 388, 457-473.	2.5	58
54	Twisted black p-brane solutions in string theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 274, 34-40.	4.1	61

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55	Some all-order classical solutions in non-polynomial closed string field theory. Nuclear Physics B, 1991, 363, 639-664.	2.5	14
56	Equations of motion in non-polynomial closed string field theory and conformal invariance of two dimensional field theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 350-356.	4.1	24
57	On the background independence of string field theory. Nuclear Physics B, 1990, 345, 551-583.	2.5	65
58	Open string field theory in a non-trivial background field. Nuclear Physics B, 1990, 334, 350-394.	2.5	16
59	Exactly solvable string compactification on Calabi-Yau manifolds in the Green-Schwarz formalism. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 224, 278-284.	4.1	0
60	Heterotic String Theory on Calabi-Yau Manifolds in the Green-Schwarz Formalism. Current Physics Sources and Comments, 1988, 1, 139-164.	0.0	0
61	(2,0) Supersymmetry and Space-Time Supersymmetry in the Heterotic String Theory. Current Physics Sources and Comments, 1988, , 119-138.	0.0	0
62	Heterotic string theory on Calabi-Yau manifolds in the Green-Schwarz formalism. Nuclear Physics B, 1987, 284, 423-448.	2.5	60
63	(2, 0) supersymmetry and space-time supersymmetry in the heterotic string theory. Nuclear Physics B, 1986, 278, 289-308.	2.5	156
64	Dilaton coupling and BRST quantization of bosonic strings. Nuclear Physics B, 1986, 277, 67-86.	2.5	140
65	Local gauge and Lorentz invariance of the heterotic string theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 166, 300-304.	4.1	45
66	Superspace analysis of local Lorentz and gauge anomalies in the heterotic string theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 174, 277-279.	4.1	18
67	Central charge of the Virasoro algebra for supersymmetric sigma models on Calabi-Yau manifolds. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 178, 370-372.	4.1	23
68	Equations of Motion for the Heterotic String Theory from the Conformal Invariance of the Sigma Model. Physical Review Letters, 1985, 55, 1846-1849.	7.8	317
69	Heterotic string in an arbitrary background field. Physical Review D, 1985, 32, 2102-2112.	4.7	220
70	Naturally light Higgs doublet in supersymmetric E6 grand unified theory. Physical Review Letters, 1985, 55, 33-35.	7.8	76