Ashoke Sen

List of Publications by Year
in descending order

70	6,684	66343	106344
papers	citations	42	65
		h-index	g-index

70	70	70	1326
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	FIELD THEORY OF TACHYON MATTER. Modern Physics Letters A, 2002, 17, 1797-1804.	1.2	482
2	TACHYON DYNAMICS IN OPEN STRING THEORY. International Journal of Modern Physics A, 2005, 20, 5513-5656.	1.5	366
3	Black hole entropy function and the attractor mechanism in higher derivative gravity. Journal of High Energy Physics, 2005, 2005, 038-038.	4.7	360
4	STRONG–WEAK COUPLING DUALITY IN FOUR-DIMENSIONAL STRING THEORY. International Journal of Modern Physics A, 1994, 09, 3707-3750.	1.5	358
5	Supersymmetric world-volume action for non-BPS D-branes. Journal of High Energy Physics, 1999, 1999, 008-008.	4.7	323
6	EXTREMAL BLACK HOLES AND ELEMENTARY STRING STATES. Modern Physics Letters A, 1995, 10, 2081-2093.	1.2	319
7	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
8	Black hole entropy function, attractors and precision counting of microstates. General Relativity and Gravitation, 2008, 40, 2249-2431.	2.0	296
9	Stable non-BPS bound states of BPS D-branes. Journal of High Energy Physics, 1998, 1998, 010-010.	4.7	253
10	Heterotic string in an arbitrary background field. Physical Review D, 1985, 32, 2102-2112.	4.7	220
11	Rotating attractors. Journal of High Energy Physics, 2006, 2006, 058-058.	4.7	187
12	Entropy function for heterotic black holes. Journal of High Energy Physics, 2006, 2006, 008-008.	4.7	157
13	(2, 0) supersymmetry and space-time supersymmetry in the heterotic string theory. Nuclear Physics B, 1986, 278, 289-308.	2.5	156
14	Dirac-Born-Infeld action on the tachyon kink and vortex. Physical Review D, 2003, 68, .	4.7	152
15	Dilaton coupling and BRST quantization of bosonic strings. Nuclear Physics B, 1986, 277, 67-86.	2.5	140
16	String-string duality conjecture in six dimensions and charged solitonic strings. Nuclear Physics B, 1995, 450, 103-114.	2.5	123
17	Dyon spectrum in CHL models. Journal of High Energy Physics, 2006, 2006, 018-018.	4.7	117
18	How does a fundamental string stretch its horizon?. Journal of High Energy Physics, 2005, 2005, 059-059.	4.7	99

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19	Logarithmic corrections to extremal black hole entropy from quantum entropy function. Journal of High Energy Physics, 2011, 2011, 1.	4.7	96
20	Decay of Unstable D-branes with Electric Field. Journal of High Energy Physics, 2002, 2002, 047-047.	4.7	95
21	BTZ black hole with Chern-Simons and higher derivative terms. Journal of High Energy Physics, 2006, 2006, 008-008.	4.7	94
22	Logarithmic corrections to rotating extremal black hole entropy in four and five dimensions. General Relativity and Gravitation, 2012, 44, 1947-1991.	2.0	92
23	Dual pairs of type II string compactification. Nuclear Physics B, 1995, 455, 165-187.	2.5	90
24	Black hole microstates and attractor without supersymmetry. Journal of High Energy Physics, 2007, 2007, 096-096.	4.7	90
25	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
26	Product representation of dyon partition function in CHL models. Journal of High Energy Physics, 2006, 2006, 064-064.	4.7	83
27	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
28	Arithmetic of quantum entropy function. Journal of High Energy Physics, 2009, 2009, 068-068.	4.7	80
29	Naturally light Higgs doublet in supersymmetricE6grand unified theory. Physical Review Letters, 1985, 55, 33-35.	7.8	76
30	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
31	Stretching the horizon of a higher dimensional small black hole. Journal of High Energy Physics, 2005, 2005, 073-073.	4.7	71
32	OPEN-CLOSED DUALITY: LESSONS FROM MATRIX MODEL. Modern Physics Letters A, 2004, 19, 841-853.	1.2	66
33	On the background independence of string field theory. Nuclear Physics B, 1990, 345, 551-583.	2.5	65
34	Open and closed strings from unstable D-branes. Physical Review D, 2003, 68, .	4.7	63
35	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
36	Heterotic string theory on Calabi-Yau manifolds in the Green-Schwarz formalism. Nuclear Physics B, 1987, 284, 423-448.	2.5	60

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37	Macroscopic charged heterotic string. Nuclear Physics B, 1992, 388, 457-473.	2.5	58
38	Black holes, elementary strings and holomorphic anomaly. Journal of High Energy Physics, 2005, 2005, 063-063.	4.7	58
39	Supersymmetric index from black hole entropy. Journal of High Energy Physics, 2011, 2011, 1.	4.7	58
40	Rotating black holes which saturate a Bogomol€™nyi bound. Physical Review D, 1996, 53, 808-815.	4.7	53
41	Asymptotic expansion of the ? = 4 dyon degeneracy. Journal of High Energy Physics, 2009, 2009, 121-121.	4.7	52
42	Kaluza-Klein Dyons in String Theory. Physical Review Letters, 1997, 79, 1619-1621.	7.8	47
43	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
44	AdS_3/CFT_2 to AdS_2/CFT_1. Journal of High Energy Physics, 2009, 2009, 034-034.	4.7	41
45	Supersymmetry, localization and quantum entropy function. Journal of High Energy Physics, 2010, 2010, 1.	4.7	40
46	Black Hole Microstate Counting and its Macroscopic Counterpart. Nuclear Physics, Section B, Proceedings Supplements, 2011, 216, 147-168.	0.4	35
47	Two charge system revisited: small black holes or horizonless solutions?. Journal of High Energy Physics, 2010, 2010, 1.	4.7	31
48	Black hole microstate counting and its macroscopic counterpart. Classical and Quantum Gravity, 2010, 27, 214003.	4.0	31
49	Black hole hair removal: non-linear analysis. Journal of High Energy Physics, 2010, 2010, 1.	4.7	28
50	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
51	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
52	A twist in the dyon partition function. Journal of High Energy Physics, 2010, 2010, 1.	4.7	23
53	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
54	Spinning strings as small black rings. Journal of High Energy Physics, 2007, 2007, 017-017.	4.7	22

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55	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
56	Discrete information from CHL black holes. Journal of High Energy Physics, 2010, 2010, 1.	4.7	18
57	Black holes and elementary string states in N = 2 supersymmetric string theories. Journal of High Energy Physics, 1998, 1998, 011-011.	4.7	17
58	Open string field theory in a non-trivial background field. Nuclear Physics B, 1990, 334, 350-394.	2.5	16
59	Genus two surface and quarter BPS dyons: the contour prescription. Journal of High Energy Physics, 2009, 2009, 151-151.	4.7	16
60	Some all-order classical solutions in non-polynomial closed string field theory. Nuclear Physics B, 1991, 363, 639-664.	2.5	14
61	Moduli Space of Unstable D-branes on a Circle of Critical Radius. Journal of High Energy Physics, 2004, 2004, 070-070.	4.7	14
62	Symmetries, Conserved Charges and (Black) Holes in Two Dimensional String Theory. Journal of High Energy Physics, 2004, 2004, 053-053.	4.7	9
63	Negative discriminant states in $\mathcal{N} = 4$ supersymmetric string theories. Journal of High Energy Physics, 2011, 2011, 1.	4.7	8
64	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
65	Black hole bound state metamorphosis. Journal of High Energy Physics, 2013, 2013, 1.	4.7	4
66	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
67	Tachyon dynamics in string theory. Pramana - Journal of Physics, 2004, 62, 403-413.	1.8	0
68	Tachyons in String Theory. , 2003, , 31-42.		0
69	Heterotic String Theory on Calabi-Yau Manifolds in the Green-Schwarz Formalism. Current Physics Sources and Comments, 1988, 1, 139-164.	0.0	0
70	(2,0) Supersymmetry and Space-Time Supersymmetry in the Heterotic String Theory. Current Physics Sources and Comments, 1988, , 119-138.	0.0	0