

Andrew Strominger

List of Publications by Year in descending order

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87
papers

14,714
citations

31976
53
h-index

49909
87
g-index

89
all docs

89
docs citations

89
times ranked

3086
citing authors

#	ARTICLE	IF	CITATIONS
1	Microscopic origin of the Bekenstein-Hawking entropy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 379, 99-104.	4.1	2,379
2	Evanescent black holes. Physical Review D, 1992, 45, R1005-R1009.	4.7	848
3	The dS/CFT correspondence. Journal of High Energy Physics, 2001, 2001, 034-034.	4.7	837
4	Black hole entropy from near-horizon microstates. Journal of High Energy Physics, 1998, 1998, 009-009.	4.7	774
5	AdS3 black holes and a stringy exclusion principle. Journal of High Energy Physics, 1998, 1998, 005-005.	4.7	545
6	Soft Hair on Black Holes. Physical Review Letters, 2016, 116, 231301.	7.8	514
7	On BMS invariance of gravitational scattering. Journal of High Energy Physics, 2014, 2014, 1.	4.7	503
8	BMS supertranslations and Weinberg's soft graviton theorem. Journal of High Energy Physics, 2015, 2015, 1.	4.7	424
9	Black hole entropy in M-Theory. Journal of High Energy Physics, 1997, 1997, 002-002.	4.7	422
10	Gravitational memory, BMS supertranslations and soft theorems. Journal of High Energy Physics, 2016, 2016, 1.	4.7	371
11	Anti-de Sitter fragmentation. Journal of High Energy Physics, 1999, 1999, 011-011.	4.7	365
12	Warped AdS ₃ black holes. Journal of High Energy Physics, 2009, 2009, 130-130.	4.7	284
13	Counting States of Near-Extremal Black Holes. Physical Review Letters, 1996, 77, 2368-2371.	7.8	273
14	Conformal vacua and entropy in de Sitter space. Physical Review D, 2002, 65, .	4.7	248
15	New symmetries of massless QED. Journal of High Energy Physics, 2014, 2014, 1.	4.7	245
16	Semiclassical Virasoro symmetry of the quantum gravity S-matrix. Journal of High Energy Physics, 2014, 2014, 1.	4.7	243
17	Inflation and the dS/CFT Correspondence. Journal of High Energy Physics, 2001, 2001, 049-049.	4.7	233
18	Superrotation charge and supertranslation hair on black holes. Journal of High Energy Physics, 2017, 2017, 1.	4.7	227

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19	AdS ₂ quantum gravity and string theory. Journal of High Energy Physics, 1999, 1999, 007-007.	4.7	224
20	Asymptotic symmetries of Yang-Mills theory. Journal of High Energy Physics, 2014, 2014, 1.	4.7	224
21	Flat space amplitudes and conformal symmetry of the celestial sphere. Physical Review D, 2017, 96, .	4.7	179
22	Black hole thermodynamics and information loss in two dimensions. Physical Review D, 1994, 50, 3987-4014.	4.7	177
23	CFT duals for extreme black holes. Journal of High Energy Physics, 2009, 2009, 019-019.	4.7	172
24	New gravitational memories. Journal of High Energy Physics, 2016, 2016, 1.	4.7	159
25	Black hole superradiance from Kerr/CFT. Journal of High Energy Physics, 2010, 2010, 1.	4.7	137
26	Low-energy Subleading Soft Theorem as a Symmetry of QED. Physical Review Letters, 2014, 113, 111601.	7.8	137
27	2D Kac-Moody symmetry of 4D Yang-Mills theory. Journal of High Energy Physics, 2016, 2016, 1.	4.7	125
28	2D Stress Tensor for 4D Gravity. Physical Review Letters, 2017, 119, 121601.	7.8	124
29	Gluon amplitudes as $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle d \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ conformal correlators. Physical Review D, 2017, 96, .	4.7	122
30	OM theory in diverse dimensions. Journal of High Energy Physics, 2000, 2000, 008-008.	4.7	117
31	Conformally soft photons and gravitons. Journal of High Energy Physics, 2019, 2019, 1.	4.7	117
32	Wilsonian approach to fluid/gravity duality. Journal of High Energy Physics, 2011, 2011, 1.	4.7	115
33	New boundary conditions for AdS ₃ . Journal of High Energy Physics, 2013, 2013, 1.	4.7	110
34	Islands in asymptotically flat 2D gravity. Journal of High Energy Physics, 2020, 2020, 1.	4.7	109
35	Black hole entropy and soft hair. Journal of High Energy Physics, 2018, 2018, 1.	4.7	106
36	Holographic derivation of Kerr-Newman scattering amplitudes for general charge and spin. Journal of High Energy Physics, 2010, 2010, 1.	4.7	100

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37	Chiral Scale and Conformal Invariance in 2D Quantum Field Theory. Physical Review Letters, 2011, 107, 161601.	7.8	97
38	Infrared divergences in QED revisited. Physical Review D, 2017, 96, .	4.7	97
39	Semiclassical decay of near extremal fivebranes. Journal of High Energy Physics, 1997, 1997, 008-008.	4.7	96
40	From Navier-Stokes to Einstein. Journal of High Energy Physics, 2012, 2012, 1.	4.7	94
41	New symmetries of QED. Advances in Theoretical and Mathematical Physics, 2017, 21, 1769-1785.	0.6	91
42	Central charge for AdS_{2+2} quantum gravity. Journal of High Energy Physics, 2009, 2009, 026-026.	4.7	83
43	Lectures on the Kerr/CFT Correspondence. Nuclear Physics, Section B, Proceedings Supplements, 2011, 216, 194-210.	0.4	80
44	Conformally soft theorem in gauge theory. Physical Review D, 2019, 100, .	4.7	79
45	Possible resolution of the black hole information puzzle. Physical Review D, 1994, 50, 7403-7409.	4.7	72
46	Information consumption by Reissner-Nordström black holes. Physical Review D, 1993, 48, 5778-5783.	4.7	69
47	Magnetic Corrections to the Soft Photon Theorem. Physical Review Letters, 2016, 116, 031602.	7.8	69
48	Universal polarimetric signatures of the black hole photon ring. Physical Review D, 2020, 101, .	4.7	66
49	Observational signature of high spin at the Event Horizon Telescope. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3829-3853.	4.4	59
50	Superrotations and black hole pair creation. Classical and Quantum Gravity, 2017, 34, 064002.	4.0	57
51	Warped AdS_3 /dipole-CFT duality. Journal of High Energy Physics, 2012, 2012, 1.	4.7	56
52	Quantum theories of dilaton gravity. Physical Review D, 1993, 47, 2454-2460.	4.7	55
53	Uplifting $\text{AdS}_3/\text{CFT}_2$ to flat space holography. Journal of High Energy Physics, 2019, 2019, 1.	4.7	54
54	Color Memory: A Yang-Mills Analog of Gravitational Wave Memory. Physical Review Letters, 2017, 119, 261602.	7.8	50

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55	Gravitational memory in higher dimensions. Journal of High Energy Physics, 2018, 2018, 1.	4.7	49
56	Asymptotic symmetries and charges in de Sitter space. Classical and Quantum Gravity, 2011, 28, 175019.	4.0	48
57	Numerical analysis of black hole evaporation. Physical Review D, 1993, 48, 4729-4734.	4.7	46
58	Soft factorization in QED from 2D Kac-Moody symmetry. Journal of High Energy Physics, 2018, 2018, 1.	4.7	46
59	$w \langle \mathcal{M}_1 \mathcal{M}_2 \mathcal{M}_3 \mathcal{M}_4 \rangle = \langle \mathcal{M}_1 \mathcal{M}_2 \mathcal{M}_3 \mathcal{M}_4 \rangle + \langle \mathcal{M}_1 \mathcal{M}_2 \mathcal{M}_3 \mathcal{M}_4 \rangle + \langle \mathcal{M}_1 \mathcal{M}_2 \mathcal{M}_3 \mathcal{M}_4 \rangle + \langle \mathcal{M}_1 \mathcal{M}_2 \mathcal{M}_3 \mathcal{M}_4 \rangle$ Algebra and the Celestial Sphere: Infinite Towers of Soft Graviton, Photon, and Gluon Symmetries. Physical Review Letters, 2021, 127, 221601.	4.7	46
60	Microscopic realization of the Kerr/CFT correspondence. Journal of High Energy Physics, 2011, 2011, 1.	4.7	45
61	Gravity waves from the Kerr/CFT correspondence. Physical Review D, 2014, 90, .	4.7	45
62	(2, 2) Scattering and the celestial torus. Journal of High Energy Physics, 2021, 2021, 1.	4.7	45
63	Asymptotic symmetries of massless QED in even dimensions. Advances in Theoretical and Mathematical Physics, 2017, 21, 1747-1767.	0.6	43
64	Perturbatively exact $w_1 + \hat{a}^z$ asymptotic symmetry of quantum self-dual gravity. Journal of High Energy Physics, 2022, 2022, 1.	4.7	43
65	State/operator correspondence in higher-spin dS/CFT. Classical and Quantum Gravity, 2013, 30, 104002.	4.0	41
66	The spectrum of strings on warped $\text{AdS}_3 \times S^3$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
67	Black hole non-formation in the matrix model. Journal of High Energy Physics, 2006, 2006, 039-039.	4.7	37
68	Photon emission near extreme Kerr black holes. Physical Review D, 2017, 95, .	4.7	37
69	Conformal block expansion in celestial CFT. Physical Review D, 2021, 104, .	4.7	37
70	Near-horizon Kerr magnetosphere. Physical Review D, 2016, 93, .	4.7	33
71	Force-free electrodynamics around extreme Kerr black holes. Journal of High Energy Physics, 2014, 2014, 1.	4.7	32
72	Fast plunges into Kerr black holes. Journal of High Energy Physics, 2015, 2015, 1.	4.7	32

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73	Chiral Liouville gravity. Journal of High Energy Physics, 2013, 2013, 1.	4.7	31
74	Celestial current algebra from Low ϵ 's subleading soft theorem. Physical Review D, 2019, 100, .	4.7	31
75	State-operator correspondence in celestial conformal field theory. Journal of High Energy Physics, 2021, 2021, 1.	4.7	29
76	Future boundary conditions in de Sitter space. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
77	Black holes as incompressible fluids on the sphere. Journal of High Energy Physics, 2012, 2012, 1.	4.7	22
78	Conformally invariant boundary conditions for dilaton gravity. Physical Review D, 1994, 50, 5177-5187.	4.7	21
79	Nonsingular solutions for branes. Physical Review D, 2004, 69, .	4.7	18
80	Logarithmic corrections to black hole entropy from Kerr/CFT. Journal of High Energy Physics, 2017, 2017, 1.	4.7	18
81	Measuring color memory in a color glass condensate at electron-ion colliders. Annals of Physics, 2019, 407, 15-28.	2.8	18
82	Statistical Hair on Black Holes. Physical Review Letters, 1996, 77, 3498-3501.	7.8	15
83	Infinite-dimensional fermionic symmetry in supersymmetric gauge theories. Journal of High Energy Physics, 2021, 2021, 1.	4.7	15
84	Quasinormal quantization in de Sitter spacetime. Journal of High Energy Physics, 2015, 2015, 1.	4.7	13
85	Polarization whorls from M87* at the event horizon telescope. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20190618.	2.1	11
86	Wrapped M2/M5 duality. Journal of High Energy Physics, 2009, 2009, 036-036.	4.7	10
87	Area, entanglement entropy and supertranslations at null infinity. Classical and Quantum Gravity, 2017, 34, 165007.	4.0	9