

Andrew Strominger

List of Publications by Year in descending order

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87
papers

14,714
citations

31976

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docs citations

89
times ranked

3086
citing authors

#	ARTICLE	IF	CITATIONS
1	Perturbatively exact $w_{1+\hat{z}}$ asymptotic symmetry of quantum self-dual gravity. Journal of High Energy Physics, 2022, 2022, 1.	4.7	43
2	(2, 2) Scattering and the celestial torus. Journal of High Energy Physics, 2021, 2021, 1.	4.7	45
3	Infinite-dimensional fermionic symmetry in supersymmetric gauge theories. Journal of High Energy Physics, 2021, 2021, 1.	4.7	15
4	State-operator correspondence in celestial conformal field theory. Journal of High Energy Physics, 2021, 2021, 1.	4.7	29
5	$w_{1+\hat{z}}$ Algebra and the Celestial Sphere: Infinite Towers of Soft Graviton, Photon, and Gluon Symmetries. Physical Review Letters, 2021, 127, 221601.	4.7	46
6	Conformal block expansion in celestial CFT. Physical Review D, 2021, 104, .	4.7	37
7	Islands in asymptotically flat 2D gravity. Journal of High Energy Physics, 2020, 2020, 1.	4.7	109
8	Universal polarimetric signatures of the black hole photon ring. Physical Review D, 2020, 101, .	4.7	66
9	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
10	Celestial current algebra from Low's subleading soft theorem. Physical Review D, 2019, 100, .	4.7	31
11	Uplifting AdS3/CFT2 to flat space holography. Journal of High Energy Physics, 2019, 2019, 1.	4.7	54
12	Conformally soft theorem in gauge theory. Physical Review D, 2019, 100, .	4.7	79
13	Measuring color memory in a color glass condensate at electron-ion colliders. Annals of Physics, 2019, 407, 15-28.	2.8	18
14	Conformally soft photons and gravitons. Journal of High Energy Physics, 2019, 2019, 1.	4.7	117
15	Observational signature of high spin at the Event Horizon Telescope. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3829-3853.	4.4	59
16	Soft factorization in QED from 2D Kac-Moody symmetry. Journal of High Energy Physics, 2018, 2018, 1.	4.7	46
17	Black hole entropy and soft hair. Journal of High Energy Physics, 2018, 2018, 1.	4.7	106
18	Gravitational memory in higher dimensions. Journal of High Energy Physics, 2018, 2018, 1.	4.7	49

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19	Superrotations and black hole pair creation. <i>Classical and Quantum Gravity</i> , 2017, 34, 064002.	4.0	57
20	Photon emission near extreme Kerr black holes. <i>Physical Review D</i> , 2017, 95, .	4.7	37
21	Superrotation charge and supertranslation hair on black holes. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	227
22	Infrared divergences in QED revisited. <i>Physical Review D</i> , 2017, 96, .	4.7	97
23	Flat space amplitudes and conformal symmetry of the celestial sphere. <i>Physical Review D</i> , 2017, 96, .	4.7	179
24	2D Stress Tensor for 4D Gravity. <i>Physical Review Letters</i> , 2017, 119, 121601.	7.8	124
25	Logarithmic corrections to black hole entropy from Kerr/CFT. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	18
26	Area, entanglement entropy and supertranslations at null infinity. <i>Classical and Quantum Gravity</i> , 2017, 34, 165007.	4.0	9
27	Gluon amplitudes as $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:mn}>2\langle \text{mml:mn}>\langle \text{mml:mi}>d\langle \text{mml:mi}>\langle \text{mml:math}>$ conformal correlators. <i>Physical Review D</i> , 2017, 96, .	4.7	122
28	Color Memory: A Yang-Mills Analog of Gravitational Wave Memory. <i>Physical Review Letters</i> , 2017, 119, 261602.	7.8	50
29	Asymptotic symmetries of massless QED in even dimensions. <i>Advances in Theoretical and Mathematical Physics</i> , 2017, 21, 1747-1767.	0.6	43
30	New symmetries of QED. <i>Advances in Theoretical and Mathematical Physics</i> , 2017, 21, 1769-1785.	0.6	91
31	New gravitational memories. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	159
32	Near-horizon Kerr magnetosphere. <i>Physical Review D</i> , 2016, 93, .	4.7	33
33	Magnetic Corrections to the Soft Photon Theorem. <i>Physical Review Letters</i> , 2016, 116, 031602.	7.8	69
34	Soft Hair on Black Holes. <i>Physical Review Letters</i> , 2016, 116, 231301.	7.8	514
35	2D Kac-Moody symmetry of 4D Yang-Mills theory. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	125
36	Gravitational memory, BMS supertranslations and soft theorems. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	371

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37	BMS supertranslations and Weinberg's soft graviton theorem. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	424
38	Fast plunges into Kerr black holes. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	32
39	Quasinormal quantization in de Sitter spacetime. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	13
40	Gravity waves from the Kerr/CFT correspondence. <i>Physical Review D</i> , 2014, 90, .	4.7	45
41	New symmetries of massless QED. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	245
42	Force-free electrodynamics around extreme Kerr black holes. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	32
43	Low-energy Subleading Soft Theorem as a Symmetry of QED. <i>Physical Review Letters</i> , 2014, 113, 111601.	7.8	137
44	Asymptotic symmetries of Yang-Mills theory. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	224
45	On BMS invariance of gravitational scattering. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	503
46	Semiclassical Virasoro symmetry of the quantum gravity S-matrix. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	243
47	Chiral Liouville gravity. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	31
48	New boundary conditions for AdS3. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	110
49	The spectrum of strings on warped AdS3 \tilde{A} -S3. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	39
50	State/operator correspondence in higher-spin dS/CFT. <i>Classical and Quantum Gravity</i> , 2013, 30, 104002.	4.0	41
51	Black holes as incompressible fluids on the sphere. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	22
52	Warped AdS3/dipole-CFT duality. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	56
53	From Navier-Stokes to Einstein. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	94
54	Future boundary conditions in de Sitter space. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	26

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55	Chiral Scale and Conformal Invariance in 2D Quantum Field Theory. <i>Physical Review Letters</i> , 2011, 107, 161601.	7.8	97
56	Microscopic realization of the Kerr/CFT correspondence. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	45
57	Wilsonian approach to fluid/gravity duality. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	115
58	Lectures on the Kerr/CFT Correspondence. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2011, 216, 194-210.	0.4	80
59	Asymptotic symmetries and charges in de Sitter space. <i>Classical and Quantum Gravity</i> , 2011, 28, 175019.	4.0	48
60	Holographic derivation of Kerr-Newman scattering amplitudes for general charge and spin. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	100
61	Black hole superradiance from Kerr/CFT. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	137
62	Wrapped M2/M5 duality. <i>Journal of High Energy Physics</i> , 2009, 2009, 036-036.	4.7	10
63	Central charge for AdS_2 quantum gravity. <i>Journal of High Energy Physics</i> , 2009, 2009, 026-026.	4.7	83
64	Warped AdS_3 black holes. <i>Journal of High Energy Physics</i> , 2009, 2009, 130-130.	4.7	284
65	CFT duals for extreme black holes. <i>Journal of High Energy Physics</i> , 2009, 2009, 019-019.	4.7	172
66	Black hole non-formation in the matrix model. <i>Journal of High Energy Physics</i> , 2006, 2006, 039-039.	4.7	37
67	Nonsingular solutions for branes. <i>Physical Review D</i> , 2004, 69, .	4.7	18
68	Conformal vacua and entropy in de Sitter space. <i>Physical Review D</i> , 2002, 65, .	4.7	248
69	The dS/CFT correspondence. <i>Journal of High Energy Physics</i> , 2001, 2001, 034-034.	4.7	837
70	Inflation and the dS/CFT Correspondence. <i>Journal of High Energy Physics</i> , 2001, 2001, 049-049.	4.7	233
71	OM theory in diverse dimensions. <i>Journal of High Energy Physics</i> , 2000, 2000, 008-008.	4.7	117
72	AdS_2 quantum gravity and string theory. <i>Journal of High Energy Physics</i> , 1999, 1999, 007-007.	4.7	224

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73	Anti-de Sitter fragmentation. Journal of High Energy Physics, 1999, 1999, 011-011.	4.7	365
74	AdS3 black holes and a stringy exclusion principle. Journal of High Energy Physics, 1998, 1998, 005-005.	4.7	545
75	Black hole entropy from near-horizon microstates. Journal of High Energy Physics, 1998, 1998, 009-009.	4.7	774
76	Semiclassical decay of near extremal fivebranes. Journal of High Energy Physics, 1997, 1997, 008-008.	4.7	96
77	Black hole entropy in M-Theory. Journal of High Energy Physics, 1997, 1997, 002-002.	4.7	422
78	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
79	Counting States of Near-Extremal Black Holes. Physical Review Letters, 1996, 77, 2368-2371.	7.8	273
80	Statistical Hair on Black Holes. Physical Review Letters, 1996, 77, 3498-3501.	7.8	15
81	Conformally invariant boundary conditions for dilaton gravity. Physical Review D, 1994, 50, 5177-5187.	4.7	21
82	Black hole thermodynamics and information loss in two dimensions. Physical Review D, 1994, 50, 3987-4014.	4.7	177
83	Possible resolution of the black hole information puzzle. Physical Review D, 1994, 50, 7403-7409.	4.7	72
84	Numerical analysis of black hole evaporation. Physical Review D, 1993, 48, 4729-4734.	4.7	46
85	Quantum theories of dilaton gravity. Physical Review D, 1993, 47, 2454-2460.	4.7	55
86	Information consumption by Reissner-Nordström black holes. Physical Review D, 1993, 48, 5778-5783.	4.7	69
87	Evanescent black holes. Physical Review D, 1992, 45, R1005-R1009.	4.7	848