Steven Carlip

List of Publications by Year
in descending order

73 papers	4,324 citations	159585 30 h-index	114465 63 g-index
76 all docs	76 docs citations	76 times ranked	1472 citing authors

#	Article	IF	Citations
1	Midisuperspace foam and the cosmological constant. Classical and Quantum Gravity, 2022, 39, 025012.	4.0	2
2	A Schwarzian on the stretched horizon. General Relativity and Gravitation, 2022, 54, .	2.0	2
3	Spacetime Foam, Midisuperspace, and the Cosmological Constant. Universe, 2021, 7, 495.	2.5	1
4	Carlip Replies:. Physical Review Letters, 2020, 125, 089002.	7.8	2
5	Quantum fields, geometric fluctuations, and the structure of spacetime. Physical Review D, 2020, 102, .	4.7	4
6	Near-horizon Bondi-Metzner-Sachs symmetry, dimensional reduction, and black hole entropy. Physical Review D, 2020, 101, .	4.7	26
7	Hiding the Cosmological Constant. Physical Review Letters, 2019, 123, 131302.	7.8	38
8	Dimension and Dimensional Reduction in Quantum Gravity. Universe, 2019, 5, 83.	2.5	20
9	How to hide a cosmological constant. International Journal of Modern Physics D, 2019, 28, 1943004.	2.1	2
10	Black Hole Entropy from Bondi-Metzner-Sachs Symmetry at the Horizon. Physical Review Letters, 2018, 120, 101301.	7.8	46
11	Suppression of non-manifold-like sets in the causal set path integral. Classical and Quantum Gravity, 2018, 35, 024002.	4.0	13
12	The dynamics of supertranslations and superrotations in 2â€‰â€‰+â€‰â€‰1 dimensions. Classical and Quantum Gravity, 2018, 35, 014001.	4.0	10
13	Quantum gravity: A brief history of ideas and some prospects. , 2017, , 325-347.		2
14	Black hole thermodynamics. , 2017, , 415-465.		0
15	Dimension and dimensional reduction in quantum gravity. Classical and Quantum Gravity, 2017, 34, 193001.	4.0	93
16	Spontaneous dimensional reduction in quantum gravity. International Journal of Modern Physics D, 2016, 25, 1643003.	2.1	16
17	Four-Dimensional Entropy from Three-Dimensional Gravity. Physical Review Letters, 2015, 115, 071302.	7.8	5
18	Dimensional reduction in causal set gravity. Classical and Quantum Gravity, 2015, 32, 232001.	4.0	30

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19	Lorentz invariance in shape dynamics. Classical and Quantum Gravity, 2015, 32, 015021.	4.0	4
20	A note on black hole entropy in loop quantum gravity. Classical and Quantum Gravity, 2015, 32, 155009.	4.0	10
21	Quantum gravity: A brief history of ideas and some prospects. International Journal of Modern Physics D, 2015, 24, 1530028.	2.1	33
22	Black hole thermodynamics. International Journal of Modern Physics D, 2014, 23, 1430023.	2.1	119
23	Effective conformal descriptions of black hole entropy: A review. AIP Conference Proceedings, 2012, , .	0.4	17
24	Spontaneous dimensional reduction?. , 2012, , .		10
25	Extremal and nonextremal Kerr/CFT correspondences. Journal of High Energy Physics, 2011, 2011, 1.	4.7	45
26	Vacuum Fluctuations and the Small Scale Structure of Spacetime. Physical Review Letters, 2011, 107, 021303.	7.8	37
27	Lower bound on the spectral dimension near a black hole. Physical Review D, 2011, 84, .	4.7	21
28	Effective Conformal Descriptions of Black Hole Entropy. Entropy, 2011, 13, 1355-1379.	2.2	41
29	Spontaneous Dimensional Reduction in Short-Distance Quantum Gravity?. , 2009, , .		70
30	Cosmological topologically massive gravitons and photons. Classical and Quantum Gravity, 2009, 26, 075008.	4.0	142
31	Black Hole Thermodynamics and Statistical Mechanics. Lecture Notes in Physics, 2009, , 89-123.	0.7	28
32	SYMMETRIES, HORIZONS AND BLACK HOLE ENTROPY. International Journal of Modern Physics D, 2008, 17, 659-664.	2.1	11
33	Black Hole Thermodynamics from Euclidean Horizon Constraints. Physical Review Letters, 2007, 99, 021301.	7.8	18
34	Black hole entropy and the problem of universality. Journal of Physics: Conference Series, 2007, 67, 012022.	0.4	13
35	Symmetries, horizons, and black hole entropy. General Relativity and Gravitation, 2007, 39, 1519-1523.	2.0	45
36	Horizons, Constraints, and Black Hole Entropy. International Journal of Theoretical Physics, 2007, 46, 2192-2203.	1.2	8

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37	Black hole entropy, universality, and horizon constraints. Journal of Physics: Conference Series, 2006, 33, 73-82.	0.4	4
38	A SHORT COMMENT ON THE JUPITER TIME-DELAY CONTROVERSIES. International Journal of Modern Physics D, 2006, 15, 291-293.	2.1	2
39	Quantum Gravity in 2 + 1 Dimensions: The Case of a Closed Universe. Living Reviews in Relativity, 2005, 8, 1.	26.7	81
40	Horizon constraints and black-hole entropy. Classical and Quantum Gravity, 2005, 22, 1303-1311.	4.0	35
41	Dynamics of asymptotic diffeomorphisms in (2+1)-dimensional gravity. Classical and Quantum Gravity, 2005, 22, 3055-3060.	4.0	49
42	Conformal field theory, (2 + 1)-dimensional gravity and the BTZ black hole. Classical and Quantum Gravity, 2005, 22, R85-R123.	4.0	231
43	Peaks in the Hartleâ€“Hawking wavefunction from sums over topologies. Classical and Quantum Gravity, 2004, 21, 729-741.	4.0	22
44	Do black holes constrain varying constants?. Nature, 2003, 421, 498-498.	27.8	8
45	Near-Horizon Conformal Symmetry and Black Hole Entropy. Physical Review Letters, 2002, 88, 241301.	7.8	102
46	Quantum gravity: a progress report. Reports on Progress in Physics, 2001, 64, 885-942.	20.1	262
47	Entropy from conformal field theory at Killing horizons. Classical and Quantum Gravity, 1999, 16, 3327-3348.	4.0	275
48	REMARKS ON THE "NEW REDSHIFT INTERPRETATION". Modern Physics Letters A, 1999, 14, 71-80.	1.2	1
49	Black Hole Entropy from Conformal Field Theory in Any Dimension. Physical Review Letters, 1999, 82, 2828-2831.	7.8	361
50	What we don't know about BTZ black hole entropy. Classical and Quantum Gravity, 1998, 15, 3609-3625.	4.0	181
51	Dominant topologies in Euclidean quantum gravity. Classical and Quantum Gravity, 1998, 15, 2629-2638.	4.0	35
52	Quantum modular group in (2+1)-dimensional gravity. Physical Review D, 1998, 59, .	4.7	10
53	Kinetic energy and the equivalence principle. American Journal of Physics, 1998, 66, 409-413.	0.7	26
54	Spacetime Foam and the Cosmological Constant. Physical Review Letters, 1997, 79, 4071-4074.	7.8	34

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55	Statistical mechanics and black hole thermodynamics. Nuclear Physics, Section B, Proceedings Supplements, 1997, 57, 8-12.	0.4	26
56	Comparative quantizations of (2+1)-dimensional gravity. Physical Review D, 1995, 51, 5643-5653.	4.7	24
57	Statistical mechanics of the (2+1)-dimensional black hole. Physical Review D, 1995, 51, 632-637.	4.7	205
58	The (2 + 1)-dimensional black hole. Classical and Quantum Gravity, 1995, 12, 2853-2879.	4.0	446
59	The off-shell black hole. Classical and Quantum Gravity, 1995, 12, 1699-1704.	4.0	105
60	A phase space path integral for (2+1)-dimensional gravity. Classical and Quantum Gravity, 1995, 12, 2201-2207.	4.0	8
61	Equivalent quantisations of (2+1)-dimensional gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 324, 299-302.	4.1	18
62	Notes on the (2+1)-dimensional Wheeler--DeWitt equation. Classical and Quantum Gravity, 1994, 11, 31-39.	4.0	15
63	Topology change in (2+1)â€dimensional gravity. Journal of Mathematical Physics, 1994, 35, 5477-5493.	1.1	19
64	The sum over topologies in three-dimensional Euclidean quantum gravity. Classical and Quantum Gravity, 1993, 10, 207-218.	4.0	28
65	Modular group, operator ordering, and time in (2+1)-dimensional gravity. Physical Review D, 1993, 47, 4520-4524.	4.7	22
66	(2+1)-dimensional Chern-Simons gravity as a Dirac square root. Physical Review D, 1992, 45, 3584-3590.	4.7	36
67	Entropy versus action in the (2 + 1)-dimensional Hartle-Hawking wave function. Physical Review D, 1992, 46, 4387-4395.	4.7	18
68	Gravitating topological matter in 2+1 dimensions. Physical Review D, 1991, 44, 424-428.	4.7	37
69	Inducing Liouville theory from topologically massive gravity. Nuclear Physics B, 1991, 362, 111-124.	2.5	58
70	Measuring the metric in (2+1)-dimensional quantum gravity. Classical and Quantum Gravity, 1991, 8, 5-17.	4.0	27
71	THREE-DIMENSIONAL TOPOLOGICAL FIELD THEORIES AND STRINGS. Modern Physics Letters A, 1991, 06, 171-181.	1.2	23
72	Observables, gauge invariance, and time in (2+1)-dimensional quantum gravity. Physical Review D, 1990, 42, 2647-2654.	4.7	82

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73	Exact quantum scattering in 2 + 1 dimensional gravity. Nuclear Physics B, 1989, 324, 106-122.	2.5	136