

Christopher John Fewster

List of Publications by Year in descending order

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69
papers

1,611
citations

236925

25
h-index

330143

37
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72
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72
docs citations

72
times ranked

366
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrals of incomplete beta functions, with applications to order statistics, random walks and string enumeration. <i>Brazilian Journal of Probability and Statistics</i> , 2022, 36, .	0.4	1
2	A semiclassical singularity theorem. <i>Classical and Quantum Gravity</i> , 2022, 39, 075028.	4.0	6
3	Relative Cauchy Evolution for Linear Homotopy AQFTs. <i>Communications in Mathematical Physics</i> , 2022, 392, 621-657.	2.2	3
4	Impossible measurements require impossible apparatus. <i>Physical Review D</i> , 2021, 103, .	4.7	31
5	Local structure of sprinkled causal sets. <i>Physical Review D</i> , 2021, 103, .	4.7	0
6	Quantum Fields and Local Measurements. <i>Communications in Mathematical Physics</i> , 2020, 378, 851-889.	2.2	44
7	Explicit examples of probability distributions for the energy density in two-dimensional conformal field theory. <i>Physical Review D</i> , 2020, 101, .	4.7	1
8	Probability distributions for space and time averaged quantum stress tensors. <i>Physical Review D</i> , 2020, 101, .	4.7	12
9	Algebraic classical and quantum field theory on causal sets. <i>Physical Review D</i> , 2020, 101, .	4.7	10
10	A new derivation of singularity theorems with weakened energy hypotheses. <i>Classical and Quantum Gravity</i> , 2020, 37, 065010.	4.0	10
11	Algebraic Quantum Field Theory. , 2020, , 1-61.		9
12	A Generally Covariant Measurement Scheme for Quantum Field Theory in Curved Spacetimes. , 2020, , 253-268.		5
13	Probability distributions for the stress tensor in conformal field theories. <i>Letters in Mathematical Physics</i> , 2019, 109, 747-780.	1.1	11
14	Quantum strong energy inequalities. <i>Physical Review D</i> , 2019, 99, .	4.7	10
15	Quantum energy inequalities in premetric electrodynamics. <i>Physical Review D</i> , 2018, 97, .	4.7	7
16	An Analogue of the Colemanâ€Mandula Theorem for Quantum Field Theory in Curved Spacetimes. <i>Communications in Mathematical Physics</i> , 2018, 357, 353-378.	2.2	3
17	The art of the state. <i>International Journal of Modern Physics D</i> , 2018, 27, 1843007.	2.1	11
18	A singularity theorem for Einsteinâ€Kleinâ€Gordon theory. <i>General Relativity and Gravitation</i> , 2018, 50, 1.	2.0	13

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19	Vacuum quantum stress tensor fluctuations: A diagonalization approach. <i>Physical Review D</i> , 2018, 97, .	4.7	9
20	Quantum Energy Inequalities. <i>Fundamental Theories of Physics</i> , 2017, , 215-254.	0.3	11
21	Locally covariant quantum field theory and the spin-statistics connection. , 2017, , .		0
22	Locally covariant quantum field theory and the spin-statistics connection. <i>International Journal of Modern Physics D</i> , 2016, 25, 1630015.	2.1	2
23	Waiting for Unruh. <i>Classical and Quantum Gravity</i> , 2016, 33, 165003.	4.0	52
24	The split property for quantum field theories in flat and curved spacetimes. <i>Abhandlungen Aus Dem Mathematischen Seminar Der Universitat Hamburg</i> , 2016, 86, 153-175.	0.2	8
25	Dynamical Locality of the Free Maxwell Field. <i>Annales Henri Poincare</i> , 2016, 17, 401-436.	1.7	10
26	On the Spin-Statistics Connection in Curved Spacetimes. , 2016, , 1-18.		4
27	Probability distributions for quantum stress tensors measured in a finite time interval. <i>Physical Review D</i> , 2015, 92, .	4.7	31
28	Locally Covariant Quantum Field Theory with External Sources. <i>Annales Henri Poincare</i> , 2015, 16, 2303-2365.	1.7	9
29	Pure quasifree states of the Dirac field from the fermionic projector. <i>Classical and Quantum Gravity</i> , 2015, 32, 095001.	4.0	9
30	Locally covariant quantum field theory and the problem of formulating the same physics in all spacetimes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140238.	3.4	22
31	The Split Property for Locally Covariant Quantum Field Theories in Curved Spacetime. <i>Letters in Mathematical Physics</i> , 2015, 105, 1633-1661.	1.1	11
32	Algebraic Quantum Field Theory in Curved Spacetimes. <i>Letters in Mathematical Physics</i> , 2015, , 125-189.	0.6	36
33	Quantum fields in curved spacetime, semiclassical gravity, quantum gravity phenomenology, and analogue models: parallel session D4. <i>General Relativity and Gravitation</i> , 2014, 46, 1.	2.0	0
34	Enumerating Permutations by their Run Structure. <i>Electronic Journal of Combinatorics</i> , 2014, 21, .	0.4	4
35	QUANTIZATION OF LINEARIZED GRAVITY IN COSMOLOGICAL VACUUM SPACETIMES. <i>Reviews in Mathematical Physics</i> , 2013, 25, 1330003.	1.7	43
36	The necessity of the Hadamard condition. <i>Classical and Quantum Gravity</i> , 2013, 30, 235027.	4.0	54

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37	Quantum energy inequality for the massive Ising model. <i>Physical Review D</i> , 2013, 88, .	4.7	14
38	ENDOMORPHISMS AND AUTOMORPHISMS OF LOCALLY COVARIANT QUANTUM FIELD THEORIES. <i>Reviews in Mathematical Physics</i> , 2013, 25, 1350008.	1.7	19
39	On a recent construction of $\hat{\rho}$ -vacuum-like TM quantum field states in curved spacetime. <i>Classical and Quantum Gravity</i> , 2012, 29, 205017.	4.0	31
40	Probability distributions for quantum stress tensors in four dimensions. <i>Physical Review D</i> , 2012, 85, .	4.7	59
41	Dynamical Locality and Covariance: What Makes a Physical Theory the Same in all Spacetimes?. <i>Annales Henri Poincare</i> , 2012, 13, 1613-1674.	1.7	55
42	Dynamical Locality of the Free Scalar Field. <i>Annales Henri Poincare</i> , 2012, 13, 1675-1709.	1.7	18
43	On the Notion of $\hat{\rho}$ -the Same Physics in All Spacetimes TM . , 2012, , 207-227.		6
44	Singularity theorems from weakened energy conditions. <i>Classical and Quantum Gravity</i> , 2011, 28, 125009.	4.0	39
45	Probability distributions of smeared quantum stress tensors. <i>Physical Review D</i> , 2010, 81, .	4.7	60
46	Quantum Inequalities from Operator Product Expansions. <i>Communications in Mathematical Physics</i> , 2009, 292, 761-795.	2.2	17
47	Absolute Quantum Energy Inequalities in Curved Spacetime. <i>Annales Henri Poincare</i> , 2008, 9, 425-455.	1.7	41
48	Phase space quantization and loop quantum cosmology: a Wigner function for the Bohr-compactified real line. <i>Classical and Quantum Gravity</i> , 2008, 25, 225015.	4.0	16
49	Quantum energy inequalities for the non-minimally coupled scalar field. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 025402.	2.1	26
50	RECENT DEVELOPMENTS IN QUANTUM ENERGY INEQUALITIES. , 2008, , .		0
51	Mass dependence of quantum energy inequality bounds. <i>Journal of Mathematical Physics</i> , 2007, 48, 093506.	1.1	6
52	Averaged null energy condition in spacetimes with boundaries. <i>Physical Review D</i> , 2007, 75, .	4.7	31
53	Quantum energy inequalities and local covariance II: categorical formulation. <i>General Relativity and Gravitation</i> , 2007, 39, 1855-1890.	2.0	25
54	Quantum Energy Inequalities and Stability Conditions in Quantum Field Theory. <i>Progress in Mathematics</i> , 2007, , 95-111.	0.3	4

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55	Averaged energy inequalities for the nonminimally coupled classical scalar field. <i>Physical Review D</i> , 2006, 74, .	4.7	13
56	Quantum energy inequalities and local covariance. I. Globally hyperbolic spacetimes. <i>Journal of Mathematical Physics</i> , 2006, 47, 082303.	1.1	33
57	Energy inequalities in quantum field theory. , 2006, , .		10
58	Quantum Inequalities in Quantum Mechanics. <i>Annales Henri Poincare</i> , 2005, 6, 1-30.	1.7	39
59	p-Nuclearity in a New Perspective. <i>Letters in Mathematical Physics</i> , 2005, 73, 1-15.	1.1	8
60	QUANTUM ENERGY INEQUALITIES IN TWO-DIMENSIONAL CONFORMAL FIELD THEORY. <i>Reviews in Mathematical Physics</i> , 2005, 17, 577-612.	1.7	106
61	On wormholes with arbitrarily small quantities of exotic matter. <i>Physical Review D</i> , 2005, 72, .	4.7	35
62	Quantum energy inequalities in two dimensions. <i>Physical Review D</i> , 2004, 70, .	4.7	8
63	Stability of Quantum Systems at Three Scales: Passivity, Quantum Weak Energy Inequalities and the Microlocal Spectrum Condition. <i>Communications in Mathematical Physics</i> , 2003, 240, 329-375.	2.2	27
64	Null energy conditions in quantum field theory. <i>Physical Review D</i> , 2003, 67, .	4.7	56
65	A quantum weak energy inequality for spin-one fields in curved space-time. <i>Journal of Mathematical Physics</i> , 2003, 44, 4480.	1.1	68
66	A Quantum Weak Energy Inequality for Dirac Fields in Curved Spacetime. <i>Communications in Mathematical Physics</i> , 2002, 225, 331-359.	2.2	53
67	Quantum inequalities and "quantum interest" as eigenvalue problems. <i>Physical Review D</i> , 2000, 61, .	4.7	23
68	A general worldline quantum inequality. <i>Classical and Quantum Gravity</i> , 2000, 17, 1897-1911.	4.0	101
69	Bounds on negative energy densities in static space-times. <i>Physical Review D</i> , 1999, 59, .	4.7	42