

Stanley Gudder

List of Publications by Year in descending order

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74
papers

878
citations

516710

16
h-index

526287

27
g-index

75
all docs

75
docs citations

75
times ranked

233
citing authors

#	ARTICLE	IF	CITATIONS
1	Fixed points of quantum operations. <i>Journal of Mathematical Physics</i> , 2002, 43, 5872-5881.	1.1	96
2	On Hidden-Variable Theories. <i>Journal of Mathematical Physics</i> , 1970, 11, 431-436.	1.1	92
3	Quantum Computational Logic. <i>International Journal of Theoretical Physics</i> , 2003, 42, 39-47.	1.2	52
4	Noncommutative Probability on von Neumann Algebras. <i>Journal of Mathematical Physics</i> , 1972, 13, 799-806.	1.1	40
5	Quotients of partial abelian monoids. <i>Algebra Universalis</i> , 1997, 38, 395-421.	0.3	40
6	A Superposition Principle in Physics. <i>Journal of Mathematical Physics</i> , 1970, 11, 1037-1040.	1.1	35
7	Inner Product Spaces. <i>American Mathematical Monthly</i> , 1974, 81, 29-36.	0.3	31
8	Probability manifolds. <i>Journal of Mathematical Physics</i> , 1984, 25, 2397-2401.	1.1	31
9	Lattice properties of quantum effects. <i>Journal of Mathematical Physics</i> , 1996, 37, 2637-2642.	1.1	29
10	Realistic quantum probability. <i>International Journal of Theoretical Physics</i> , 1988, 27, 193-209.	1.2	25
11	Examples, problems, and results in effect algebras. <i>International Journal of Theoretical Physics</i> , 1996, 35, 2365-2376.	1.2	25
12	Quantum Computers. <i>International Journal of Theoretical Physics</i> , 2000, 39, 2151-2177.	1.2	20
13	A general theory of convexity. <i>Milan Journal of Mathematics</i> , 1979, 49, 89-96.	0.1	18
14	A theory of amplitudes. <i>Journal of Mathematical Physics</i> , 1988, 29, 2020-2035.	1.1	18
15	Basic Properties of Quantum Automata. <i>Foundations of Physics</i> , 2000, 30, 301-319.	1.3	17
16	Generalized measure theory. <i>Foundations of Physics</i> , 1973, 3, 399-411.	1.3	16
17	What Is Fuzzy Probability Theory?. <i>Foundations of Physics</i> , 2000, 30, 1663-1678.	1.3	16
18	Reality, locality, and probability. <i>Foundations of Physics</i> , 1984, 14, 997-1010.	1.3	15

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19	Sharp and Unsharp Quantum Effects. <i>Advances in Applied Mathematics</i> , 1998, 20, 169-187.	0.7	15
20	Correction to: "Inner Product Spaces". <i>American Mathematical Monthly</i> , 1975, 82, 251-252.	0.3	13
21	Second Correction to "Inner Product Spaces". <i>American Mathematical Monthly</i> , 1975, 82, 818-818.	0.3	13
22	Generalized monotone convergence and Radon-Nikodym theorems. <i>Journal of Mathematical Physics</i> , 1981, 22, 2553-2561.	1.1	12
23	Probability models. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1984, 79, 291-301.	0.2	12
24	Discrete quantum mechanics. <i>Journal of Mathematical Physics</i> , 1986, 27, 1782-1790.	1.1	12
25	A histories approach to quantum mechanics. <i>Journal of Mathematical Physics</i> , 1998, 39, 5772-5788.	1.1	12
26	Quantum probability and operational statistics. <i>Foundations of Physics</i> , 1990, 20, 499-527.	1.3	11
27	D-algebras. <i>Foundations of Physics</i> , 1996, 26, 813-822.	1.3	10
28	The mixture of quantum states. <i>Journal of Mathematical Physics</i> , 1974, 15, 842-850.	1.1	9
29	A logical explanation for quarks. <i>Foundations of Physics</i> , 1982, 12, 419-431.	1.3	8
30	Effect test spaces. <i>International Journal of Theoretical Physics</i> , 1997, 36, 2681-2705.	1.2	8
31	Observables, Calibration, and Effect Algebras. <i>Foundations of Physics</i> , 2001, 31, 1515-1544.	1.3	8
32	Properties of Quantum Languages. <i>International Journal of Theoretical Physics</i> , 2002, 41, 569-591.	1.2	8
33	An uncertainty relation for joint position-momentum measurements. <i>Foundations of Physics Letters</i> , 1988, 1, 287-292.	0.6	7
34	Effect test spaces and effect algebras. <i>Foundations of Physics</i> , 1997, 27, 287-304.	1.3	7
35	Quantum Computational Semantics on Fock Space. <i>International Journal of Theoretical Physics</i> , 2005, 44, 2219-2230.	1.2	7
36	Plane frame functions and pure states in Hilbert space. <i>International Journal of Theoretical Physics</i> , 1972, 6, 369-375.	1.2	6

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37	Semi-orthoposets. <i>International Journal of Theoretical Physics</i> , 1996, 35, 1141-1173.	1.2	6
38	Two-site quantum random walk. <i>General Relativity and Gravitation</i> , 2011, 43, 3451-3475.	2.0	6
39	Projective representations of quantum logics. <i>International Journal of Theoretical Physics</i> , 1970, 3, 99-108.	1.2	5
40	Amplitudes and the universal influence function. <i>Journal of Mathematical Physics</i> , 1991, 32, 2106-2113.	1.1	5
41	Sensitivity of entanglement measures in bipartite pure quantum states. <i>Modern Physics Letters B</i> , 2022, 36, .	1.9	5
42	A Converse of Pythagoras' Theorem. <i>American Mathematical Monthly</i> , 1977, 84, 551-553.	0.3	4
43	Geometric properties of transition amplitude spaces. <i>Journal of Mathematical Physics</i> , 1987, 28, 2393-2399.	1.1	4
44	Regular quantum Markov processes. <i>Journal of Mathematical Physics</i> , 1991, 32, 656-668.	1.1	4
45	New formulation of quantum mechanics. <i>International Journal of Theoretical Physics</i> , 1992, 31, 15-29.	1.2	4
46	Foundations of quantum probability. <i>International Journal of Theoretical Physics</i> , 1993, 32, 1747-1762.	1.2	4
47	Nonstandard scalar quantum fields. <i>Journal of Mathematical Physics</i> , 1994, 35, 3817-3844.	1.1	4
48	Effect algebras and tensor products of S-sets. <i>International Journal of Theoretical Physics</i> , 1995, 34, 2395-2407.	1.2	4
49	Algebraic conditions for a function on an abelian group. <i>Letters in Mathematical Physics</i> , 1979, 3, 127-133.	1.1	3
50	A finite-dimensional quark model. <i>International Journal of Theoretical Physics</i> , 1983, 22, 947-970.	1.2	3
51	An approach to measurement. <i>Foundations of Physics</i> , 1983, 13, 35-49.	1.3	3
52	Finite quantum processes. <i>Journal of Mathematical Physics</i> , 1984, 25, 456-465.	1.1	3
53	Chain tensor products and interval effect algebras. <i>International Journal of Theoretical Physics</i> , 1997, 36, 1085-1098.	1.2	3
54	Contexts in Quantum Measurement Theory. <i>Foundations of Physics</i> , 2019, 49, 647-662.	1.3	3

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55	Schrödinger and Dirac quantum random walks. International Journal of Theoretical Physics, 1992, 31, 1973-1991.	1.2	2
56	Computational Logic on Fock Space. International Journal of Theoretical Physics, 2004, 43, 1409-1422.	1.2	2
57	Models for Discrete Quantum Gravity. Reports on Mathematical Physics, 2012, 70, 15-26.	0.8	2
58	Parts and Composites of Quantum Systems. Symmetry, 2021, 13, 1031.	2.2	2
59	Linearity of expectation functionals. Foundations of Physics, 1985, 15, 101-111.	1.3	1
60	Quantum stochastic processes. Foundations of Physics, 1990, 20, 1345-1363.	1.3	1
61	Convergence of observables on quantum logics. Foundations of Physics, 1990, 20, 417-434.	1.3	1
62	We don't do things like that in our set. Mathematical Gazette, 1976, 60, 273-283.	0.0	0
63	Four of a Kind in Pinochle. American Mathematical Monthly, 1980, 87, 297-299.	0.3	0
64	Systems of covariance in quantum probability. International Journal of Theoretical Physics, 1992, 31, 825-834.	1.2	0
65	Quantum probability model for spin. Foundations of Physics Letters, 1992, 5, 1-13.	0.6	0
66	Event structures in nonstandard quantum mechanics. Journal of Mathematical Physics, 1994, 35, 6332-6343.	1.1	0
67	Some recent quantum structures. Soft Computing, 2001, 5, 134-134.	3.6	0
68	Title is missing!. Foundations of Physics, 2001, 31, 863-865.	1.3	0
69	Title is missing!. Foundations of Physics Letters, 2001, 14, 195-198.	0.6	0
70	Title is missing!. Foundations of Physics, 2001, 31, 1665-1667.	1.3	0
71	A Dynamics for Discrete Quantum Gravity. International Journal of Theoretical Physics, 2014, 53, 3575-3586.	1.2	0
72	An Isometric Dynamics for a Causal Set Approach to Discrete Quantum Gravity. International Journal of Theoretical Physics, 2015, 54, 4214-4228.	1.2	0

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73	Reconditioning in Discrete Quantum Field Theory. International Journal of Theoretical Physics, 2017, 56, 3838-3851.	1.2	0
74	Paul Busch 1955â€“2018. International Journal of Theoretical Physics, 2021, 60, 426-428.	1.2	0