

# 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  | Sensitivity of entanglement measures in bipartite pure quantum states. Modern Physics Letters B, 2022, 36, .                                    | 1.9 | 5         |
| 2  | Paul Busch 1955â€“2018. International Journal of Theoretical Physics, 2021, 60, 426-428.  | 1.2 | 0         |
| 3  | Parts and Composites of Quantum Systems. Symmetry, 2021, 13, 1031.  | 2.2 | 2         |
| 4  | Contexts in Quantum Measurement Theory. Foundations of Physics, 2019, 49, 647-662.  | 1.3 | 3         |
| 5  | Reconditioning in Discrete Quantum Field Theory. International Journal of Theoretical Physics, 2017, 56, 3838-3851.                             | 1.2 | 0         |
| 6  | An Isometric Dynamics for a Causal Set Approach to Discrete Quantum Gravity. International Journal of Theoretical Physics, 2015, 54, 4214-4228. | 1.2 | 0         |
| 7  | A Dynamics for Discrete Quantum Gravity. International Journal of Theoretical Physics, 2014, 53, 3575-3586.                                     | 1.2 | 0         |
| 8  | Models for Discrete Quantum Gravity. Reports on Mathematical Physics, 2012, 70, 15-26.  | 0.8 | 2         |
| 9  | Two-site quantum random walk. General Relativity and Gravitation, 2011, 43, 3451-3475.  | 2.0 | 6         |
| 10 | Quantum Computational Semantics on Fock Space. International Journal of Theoretical Physics, 2005, 44, 2219-2230.                               | 1.2 | 7         |
| 11 | Computational Logic on Fock Space. International Journal of Theoretical Physics, 2004, 43, 1409-1422.   | 1.2 | 2         |
| 12 | Quantum Computational Logic. International Journal of Theoretical Physics, 2003, 42, 39-47.   | 1.2 | 52        |
| 13 | Fixed points of quantum operations. Journal of Mathematical Physics, 2002, 43, 5872-5881.   | 1.1 | 96        |
| 14 | Properties of Quantum Languages. International Journal of Theoretical Physics, 2002, 41, 569-591.   | 1.2 | 8         |
| 15 | Some recent quantum structures. Soft Computing, 2001, 5, 134-134.   | 3.6 | 0         |
| 16 | Title is missing!. Foundations of Physics, 2001, 31, 863-865.   | 1.3 | 0         |
| 17 | Title is missing!. Foundations of Physics Letters, 2001, 14, 195-198.   | 0.6 | 0         |
| 18 | Title is missing!. Foundations of Physics, 2001, 31, 1665-1667.   | 1.3 | 0         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Observables, Calibration, and Effect Algebras. Foundations of Physics, 2001, 31, 1515-1544.                            | 1.3 | 8         |
| 20 | Basic Properties of Quantum Automata. Foundations of Physics, 2000, 30, 301-319.                                       | 1.3 | 17        |
| 21 | Quantum Computers. International Journal of Theoretical Physics, 2000, 39, 2151-2177.                                  | 1.2 | 20        |
| 22 | What Is Fuzzy Probability Theory?. Foundations of Physics, 2000, 30, 1663-1678.  | 1.3 | 16        |
| 23 | Sharp and Unsharp Quantum Effects. Advances in Applied Mathematics, 1998, 20, 169-187.                                 | 0.7 | 15        |
| 24 | A histories approach to quantum mechanics. Journal of Mathematical Physics, 1998, 39, 5772-5788.                       | 1.1 | 12        |
| 25 | Effect test spaces. International Journal of Theoretical Physics, 1997, 36, 2681-2705.                                 | 1.2 | 8         |
| 26 | Chain tensor products and interval effect algebras. International Journal of Theoretical Physics, 1997, 36, 1085-1098. | 1.2 | 3         |
| 27 | Effect test spaces and effect algebras. Foundations of Physics, 1997, 27, 287-304.                                     | 1.3 | 7         |
| 28 | Quotients of partial abelian monoids. Algebra Universalis, 1997, 38, 395-421.  | 0.3 | 40        |
| 29 | D-algebras. Foundations of Physics, 1996, 26, 813-822.   | 1.3 | 10        |
| 30 | Semi-orthoposets. International Journal of Theoretical Physics, 1996, 35, 1141-1173.                                   | 1.2 | 6         |
| 31 | Examples, problems, and results in effect algebras. International Journal of Theoretical Physics, 1996, 35, 2365-2376. | 1.2 | 25        |
| 32 | Lattice properties of quantum effects. Journal of Mathematical Physics, 1996, 37, 2637-2642.                           | 1.1 | 29        |
| 33 | Effect algebras and tensor products of S-sets. International Journal of Theoretical Physics, 1995, 34, 2395-2407.      | 1.2 | 4         |
| 34 | Event structures in nonstandard quantum mechanics. Journal of Mathematical Physics, 1994, 35, 6332-6343.               | 1.1 | 0         |
| 35 | Nonstandard scalar quantum fields. Journal of Mathematical Physics, 1994, 35, 3817-3844.                               | 1.1 | 4         |
| 36 | Foundations of quantum probability. International Journal of Theoretical Physics, 1993, 32, 1747-1762.                 | 1.2 | 4         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Schrödinger and Dirac quantum random walks. International Journal of Theoretical Physics, 1992, 31, 1973-1991.  | 1.2 | 2         |
| 38 | New formulation of quantum mechanics. International Journal of Theoretical Physics, 1992, 31, 15-29.  | 1.2 | 4         |
| 39 | Systems of covariance in quantum probability. International Journal of Theoretical Physics, 1992, 31, 825-834.  | 1.2 | 0         |
| 40 | Quantum probability model for spin. Foundations of Physics Letters, 1992, 5, 1-13.  | 0.6 | 0         |
| 41 | Amplitudes and the universal influence function. Journal of Mathematical Physics, 1991, 32, 2106-2113.  | 1.1 | 5         |
| 42 | Regular quantum Markov processes. Journal of Mathematical Physics, 1991, 32, 656-668.   | 1.1 | 4         |
| 43 | Quantum probability and operational statistics. Foundations of Physics, 1990, 20, 499-527.  | 1.3 | 11        |
| 44 | Quantum stochastic processes. Foundations of Physics, 1990, 20, 1345-1363.  | 1.3 | 1         |
| 45 | Convergence of observables on quantum logics. Foundations of Physics, 1990, 20, 417-434.  | 1.3 | 1         |
| 46 | Realistic quantum probability. International Journal of Theoretical Physics, 1988, 27, 193-209.   | 1.2 | 25        |
| 47 | An uncertainty relation for joint position-momentum measurements. Foundations of Physics Letters, 1988, 1, 287-292.   | 0.6 | 7         |
| 48 | A theory of amplitudes. Journal of Mathematical Physics, 1988, 29, 2020-2035.   | 1.1 | 18        |
| 49 | Geometric properties of transition amplitude spaces. Journal of Mathematical Physics, 1987, 28, 2393-2399.  | 1.1 | 4         |
| 50 | Discrete quantum mechanics. Journal of Mathematical Physics, 1986, 27, 1782-1790.   | 1.1 | 12        |
| 51 | Linearity of expectation functionals. Foundations of Physics, 1985, 15, 101-111.  | 1.3 | 1         |
| 52 | Finite quantum processes. Journal of Mathematical Physics, 1984, 25, 456-465.   | 1.1 | 3         |
| 53 | Probability models. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1984, 79, 291-301. | 0.2 | 12        |
| 54 | Reality, locality, and probability. Foundations of Physics, 1984, 14, 997-1010.   | 1.3 | 15        |

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|----|---|-----|-----------|
| 55 | Probability manifolds. <i>Journal of Mathematical Physics</i> , 1984, 25, 2397-2401.  | 1.1 | 31        |
| 56 | A finite-dimensional quark model. <i>International Journal of Theoretical Physics</i> , 1983, 22, 947-970.                      | 1.2 | 3         |
| 57 | An approach to measurement. <i>Foundations of Physics</i> , 1983, 13, 35-49.  | 1.3 | 3         |
| 58 | A logical explanation for quarks. <i>Foundations of Physics</i> , 1982, 12, 419-431.  | 1.3 | 8         |
| 59 | Generalized monotone convergence and Radon-Nikodym theorems. <i>Journal of Mathematical Physics</i> , 1981, 22, 2553-2561.      | 1.1 | 12        |
| 60 | Four of a Kind in Pinochle. <i>American Mathematical Monthly</i> , 1980, 87, 297-299.   | 0.3 | 0         |
| 61 | Algebraic conditions for a function on an abelian group. <i>Letters in Mathematical Physics</i> , 1979, 3, 127-133.             | 1.1 | 3         |
| 62 | A general theory of convexity. <i>Milan Journal of Mathematics</i> , 1979, 49, 89-96.   | 0.1 | 18        |
| 63 | A Converse of Pythagoras' Theorem. <i>American Mathematical Monthly</i> , 1977, 84, 551-553.                                    | 0.3 | 4         |
| 64 | We don't do things like that in our set. <i>Mathematical Gazette</i> , 1976, 60, 273-283.                                       | 0.0 | 0         |
| 65 | Correction to: "Inner Product Spaces". <i>American Mathematical Monthly</i> , 1975, 82, 251-252.                                | 0.3 | 13        |
| 66 | Second Correction to "Inner Product Spaces". <i>American Mathematical Monthly</i> , 1975, 82, 818-818.                          | 0.3 | 13        |
| 67 | Inner Product Spaces. <i>American Mathematical Monthly</i> , 1974, 81, 29-36.   | 0.3 | 31        |
| 68 | The mixture of quantum states. <i>Journal of Mathematical Physics</i> , 1974, 15, 842-850.                                      | 1.1 | 9         |
| 69 | Generalized measure theory. <i>Foundations of Physics</i> , 1973, 3, 399-411.   | 1.3 | 16        |
| 70 | Noncommutative Probability on von Neumann Algebras. <i>Journal of Mathematical Physics</i> , 1972, 13, 799-806.                 | 1.1 | 40        |
| 71 | Plane frame functions and pure states in Hilbert space. <i>International Journal of Theoretical Physics</i> , 1972, 6, 369-375. | 1.2 | 6         |
| 72 | Projective representations of quantum logics. <i>International Journal of Theoretical Physics</i> , 1970, 3, 99-108.            | 1.2 | 5         |

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|----|---|-----|-----------|
| 73 | On Hidden-Variable Theories. <i>Journal of Mathematical Physics</i> , 1970, 11, 431-436.            | 1.1 | 92        |
| 74 | A Superposition Principle in Physics. <i>Journal of Mathematical Physics</i> , 1970, 11, 1037-1040. | 1.1 | 35        |