

Ruediger Schack

List of Publications by Year in descending order

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44
papers

2,225
citations

279798

23
h-index

265206

42
g-index

46
all docs

46
docs citations

46
times ranked

965
citing authors

#	ARTICLE	IF	CITATIONS
1	Respecting One's Fellow: QBism's Analysis of Wigner's Friend. Foundations of Physics, 2020, 50, 1859-1874.	1.3	18
2	Homer Nodded: Von Neumann's Surprising Oversight. Foundations of Physics, 2018, 48, 1007-1020.	1.3	11
3	QBism and the Greeks: why a quantum state does not represent an element of physical reality. Physica Scripta, 2015, 90, 015104.	2.5	44
4	Reply to Nauenberg. American Journal of Physics, 2015, 83, 198-198.	0.7	3
5	An introduction to QBism with an application to the locality of quantum mechanics. American Journal of Physics, 2014, 82, 749-754.	0.7	233
6	Quantum-Bayesian coherence. Reviews of Modern Physics, 2013, 85, 1693-1715.	45.6	181
7	A Quantum-Bayesian Route to Quantum-State Space. Foundations of Physics, 2011, 41, 345-356.	1.3	100
8	Priors in Quantum Bayesian Inference. , 2009, , .		7
9	Bayesian versus Frequentist Predictions in Quantum Tomography. AIP Conference Proceedings, 2007, , .	0.4	2
10	Finite de Finetti Theorem for Infinite-Dimensional Systems. Physical Review Letters, 2007, 98, 160406.	7.8	12
11	Subjective probability and quantum certainty. Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics, 2007, 38, 255-274.	1.4	125
12	Simulation on a quantum computer. Computer Science - Research and Development, 2006, 21, 21-27.	0.9	4
13	Properties of the frequency operator do not imply the quantum probability postulate. Annals of Physics, 2005, 315, 123-146.	2.8	18
14	Hypothesis Elimination on a Quantum Computer. AIP Conference Proceedings, 2004, , .	0.4	1
15	A simple necessary decoherence condition for a set of histories. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 326, 307-314.	2.1	4
16	De Finetti representation theorem for quantum-process tomography. Physical Review A, 2004, 69, .	2.5	22
17	Quantum Theory from Four of Hardy's Axioms. Foundations of Physics, 2003, 33, 1461-1468.	1.3	24
18	Unknown quantum states: The quantum de Finetti representation. Journal of Mathematical Physics, 2002, 43, 4537-4559.	1.1	257

#	ARTICLE	IF	CITATIONS
19	Quantum probabilities as Bayesian probabilities. Physical Review A, 2002, 65, .	2.5	280
20	Conditions for compatibility of quantum-state assignments. Physical Review A, 2002, 66, .	2.5	60
21	Quantum Bayes rule. Physical Review A, 2001, 64, .	2.5	100
22	Entanglement purification of unknown quantum states. Physical Review A, 2001, 63, .	2.5	24
23	Shifts on a Finite Qubit String: A Class of Quantum Baker's Maps. Applicable Algebra in Engineering, Communications and Computing, 2000, 10, 305-310.	0.5	29
24	Explicit product ensembles for separable quantum states. Journal of Modern Optics, 2000, 47, 387-399.	1.3	32
25	Classical limit in terms of symbolic dynamics for the quantum baker's map. Physical Review E, 2000, 61, 5108-5114.	2.1	20
26	Preparation information and optimal decompositions for mixed quantum states. Journal of Modern Optics, 2000, 47, 2265-2276.	1.3	1
27	Explicit product ensembles for separable quantum states. Journal of Modern Optics, 2000, 47, 387-399.	1.3	1
28	Realizing the quantum baker's map on a NMR quantum computer. Physical Review A, 1999, 59, 2649-2658.	2.5	26
29	Classical model for bulk-ensemble NMR quantum computation. Physical Review A, 1999, 60, 4354-4362.	2.5	62
30	Using a quantum computer to investigate quantum chaos. Physical Review A, 1998, 57, 1634-1635.	2.5	76
31	Effects of noise on quantum error correction algorithms. Physical Review A, 1997, 56, 1177-1188.	2.5	17
32	Algorithmic information and simplicity in statistical physics. International Journal of Theoretical Physics, 1997, 36, 209-226.	1.2	11
33	A C++ library using quantum trajectories to solve quantum master equations. Computer Physics Communications, 1997, 102, 210-228.	7.5	59
34	Information-theoretic characterization of quantum chaos. Physical Review E, 1996, 53, 3257-3270.	2.1	66
35	Quantum-state diffusion with a moving basis: Computing quantum-optical spectra. Physical Review A, 1996, 53, 2694-2697.	2.5	24
36	Chaos for Liouville probability densities. Physical Review E, 1996, 53, 3387-3401.	2.1	37

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37	Comment on "Exponential Sensitivity and Chaos in Quantum Systems" Physical Review Letters, 1995, 75, 581-581.	7.8	10
38	Hypersensitivity to perturbation in the quantum kicked top. Physical Review E, 1994, 50, 972-987.	2.1	56
39	Hypersensitivity to perturbations in the quantum baker's map. Physical Review Letters, 1993, 71, 525-528.	7.8	55
40	Information and entropy in the baker's map. Physical Review Letters, 1992, 69, 3413-3416.	7.8	20
41	Quantum-nondemolition measurement of small photon numbers and the preparation of number states. Physical Review A, 1992, 45, 3260-3267.	2.5	13
42	Positive Representation. Physical Review A, 1991, 44, 682-687.	2.5	29
43	Moment hierarchies and cumulants in quantum optics. Physical Review A, 1990, 41, 3847-3852.	2.5	35
44	5 Unknown Quantum States and Operations, a Bayesian View. Lecture Notes in Physics, 0, , 147-187.	0.7	12