

Benni Reznik

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,858
citations

279701

23
h-index

302012

39
g-index

42
all docs

42
docs citations

42
times ranked

1430
citing authors

#	ARTICLE	IF	CITATIONS
1	Entanglement on curved hypersurfaces: A field-discretizer approach. Physical Review D, 2021, 103, .	1.6	0
2	Simulating lattice gauge theories within quantum technologies. European Physical Journal D, 2020, 74, 1.	0.6	272
3	Digital Quantum Simulation of Z^2 Lattice Gauge Theories with Dynamical Fermionic Matter. Physical Review Letters, 2017, 118, 070501.	2.9	81
4	Charged particles in an external field: A QED analog with Bose-Einstein condensates. Physical Review A, 2017, 95, .	1.0	0
5	Digital lattice gauge theories. Physical Review A, 2017, 95, .	1.0	90
6	Quantum simulations of lattice gauge theories using ultracold atoms in optical lattices. Reports on Progress in Physics, 2016, 79, 014401.	8.1	301
7	Superoscillations underlying remote state preparation for relativistic fields. Physical Review A, 2015, 91, .	1.0	7
8	Continuous input nonlocal games. Natural Computing, 2013, 12, 5-8.	1.8	2
9	Quantum simulations of gauge theories with ultracold atoms: Local gauge invariance from angular-momentum conservation. Physical Review A, 2013, 88, .	1.0	148
10	Cold-Atom Quantum Simulator for SU(2) Yang-Mills Lattice Gauge Theory. Physical Review Letters, 2013, 110, 125304.	2.9	185
11	Simulating Lattice QED with Dynamical Matter Using Ultracold Atoms. Physical Review Letters, 2013, 110, 055302.	2.9	98
12	Topological Wilson-loop area law manifested using a superposition of loops. New Journal of Physics, 2013, 15, 043041.	1.2	16
13	Simulating Compact Quantum Electrodynamics with Ultracold Atoms: Probing Confinement and Nonperturbative Effects. Physical Review Letters, 2012, 109, 125302.	2.9	184
14	Confinement and Lattice Quantum-Electrodynamic Electric Flux Tubes Simulated with Ultracold Atoms. Physical Review Letters, 2011, 107, 275301.	2.9	122
15	Entanglement and the speed of evolution in mixed states. Physical Review A, 2008, 78, .	1.0	27
16	Combined electric and magnetic Aharonov-Bohm effects. American Journal of Physics, 2007, 75, 1141-1146.	0.3	2
17	Many-region vacuum entanglement: Distilling aWstate. Physical Review A, 2005, 71, .	1.0	14
18	Deterministic dense coding with partially entangled states. Physical Review A, 2005, 71, .	1.0	61

#	ARTICLE	IF	CITATIONS
19	Implementing nonlocal gates with nonmaximally entangled states. Physical Review A, 2005, 71, .	1.0	30
20	Violating Bell's inequalities in vacuum. Physical Review A, 2005, 71, .	1.0	216
21	Correcting quantum errors with the Zeno effect. Physical Review A, 2004, 69, .	1.0	15
22	Classical Analog to Topological Nonlocal Quantum Interference Effects. Physical Review Letters, 2004, 92, 020401.	2.9	4
23	BCS-like modewise entanglement of fermion Gaussian states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 331, 39-44.	0.9	35
24	A lower bound on ground state entanglement between two regions for a free field. Journal of Modern Optics, 2004, 51, 833-840.	0.6	1
25	Spatial structures and localization of vacuum entanglement in the linear harmonic chain. Physical Review A, 2004, 70, .	1.0	108
26	A lower bound on ground state entanglement between two regions for a free field. Journal of Modern Optics, 2004, 51, 833-840.	0.6	2
27	Entanglement from the Vacuum. Foundations of Physics, 2003, 33, 167-176.	0.6	221
28	Modewise entanglement of Gaussian states. Physical Review A, 2003, 67, .	1.0	73
29	Superluminal tunnelling times as weak values. Journal of Modern Optics, 2003, 50, 1139-1149.	0.6	23
30	Instantaneous measurements of nonlocal variables. Journal of Modern Optics, 2003, 50, 943-949.	0.6	3
31	Instantaneous measurements of nonlocal variables. Journal of Modern Optics, 2003, 50, 943-949.	0.6	1
32	How macroscopic properties dictate microscopic probabilities. Physical Review A, 2002, 65, .	1.0	19
33	Measurements of semilocal and nonmaximally entangled states. Physical Review A, 2002, 66, .	1.0	30
34	Aharonov and Reznik Reply:. Physical Review Letters, 2002, 89, .	2.9	6
35	Remote operations and interactions for systems of arbitrary-dimensional Hilbert space: State-operator approach. Physical Review A, 2002, 65, .	1.0	51
36	Superoscillations and tunneling times. Physical Review A, 2002, 65, .	1.0	68

#	ARTICLE	IF	CITATIONS
37	Revisiting Hardy's paradox: counterfactual statements, real measurements, entanglement and weak values. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 301, 130-138.	0.9	241
38	Complementarity between Local and Nonlocal Topological Effects. Physical Review Letters, 2000, 84, 4790-4793.	2.9	11
39	“Weighing” a Closed System and the Time-Energy Uncertainty Principle. Physical Review Letters, 2000, 84, 1368-1370.	2.9	39
40	Quantum-communication protocol employing weak measurements. Physical Review A, 2000, 61, .	1.0	15
41	Interplay of Aharonov-Bohm and Berry Phases for a Quantum Cloud of Charge. Annals of the New York Academy of Sciences, 1995, 755, 882-887.	1.8	0
42	Aharonov-Bohm and Berry Phases for a Quantum Cloud of Charge. Physical Review Letters, 1994, 73, 918-921.	2.9	36