Koji Nagata

List of Publications by Year
in descending order

64 papers	493 citations	687363 13 h-index	752698 20 g-index
66 all docs	66 docs citations	66 times ranked	333 citing authors

#	Article	IF	Citations
1	Configuration of Separability and Tests for Multipartite Entanglement in Bell-Type Experiments. Physical Review Letters, 2002, 89, 260401.	7.8	48
2	Quantum Cryptography Based on the Deutsch-Jozsa Algorithm. International Journal of Theoretical Physics, 2017, 56, 2887-2897.	1.2	44
3	Creating Very True Quantum Algorithms for Quantum Energy Based Computing. International Journal of Theoretical Physics, 2018, 57, 973-980.	1.2	37
4	Theoretical Study of Lithium-Doped Polycyclic Aromatic Hydrocarbons. Bulletin of the Chemical Society of Japan, 1997, 70, 1717-1726.	3.2	30
5	Multisetting Bell inequality for qudits. Physical Review A, 2008, 78, .	2.5	29
6	RotationalInvariance as an Additional Constraint on Local Realism. Physical Review Letters, 2004, 93, 230403.	7.8	26
7	Kochen-Specker theorem as a precondition for secure quantum key distribution. Physical Review A, 2005, 72, .	2.5	22
8	Bell inequality with an arbitrary number of settings and its applications. Physical Review A, 2006, 74, .	2.5	21
9	Quantum Selective Encryption for Medical Images. International Journal of Theoretical Physics, 2019, 58, 3908-3926.	1.2	19
10	A Robust Blind Quantum Copyright Protection Method for Colored Images Based on Owner's Signature. International Journal of Theoretical Physics, 2017, 56, 2562-2578.	1.2	17
11	Quantum Cryptography, Quantum Communication, and Quantum Computer in a Noisy Environment. International Journal of Theoretical Physics, 2017, 56, 2086-2100.	1.2	15
12	Can von Neumann's Theory Meet the Deutsch-Jozsa Algorithm?. International Journal of Theoretical Physics, 2010, 49, 162-170.	1.2	14
13	Observables suitable for restricting the fidelity to multipartite maximally entangled states. Physical Review A, 2002, 65, .	2.5	13
14	Boolean approach to dichotomic quantum measurement theories. Journal of the Korean Physical Society, 2017, 70, 229-235.	0.7	11
15	The Deutsch-Jozsa Algorithm Can Be Used for Quantum Key Distribution. Open Access Library Journal (oalib), 2015, 02, 1-6.	0.2	11
16	There is No Axiomatic System for the Quantum Theory. International Journal of Theoretical Physics, 2009, 48, 3532-3536.	1.2	10
17	Some Theoretically Organized Algorithm for Quantum Computers. International Journal of Theoretical Physics, 2020, 59, 611-621.	1.2	8
18	Classification of mixed high-dimensional multiparticle systems. Physical Review A, 2002, 66, .	2.5	6

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19	Inequalities for experimental tests of the Kochen-Specker theorem. Journal of Mathematical Physics, 2005, 46, 102101.	1.1	6
20	Classification of local realistic theories. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 155308.	2.1	6
21	New Method of Calculating a Multiplication by using the Generalized Bernstein-Vazirani Algorithm. International Journal of Theoretical Physics, 2018, 57, 1605-1611.	1.2	6
22	Generalization of the Bernstein–Vazirani algorithm beyond qubit systems. Quantum Studies: Mathematics and Foundations, 2020, 7, 17-21.	0.9	6
23	Multipartite omnidirectional generalized Bell inequality. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 13101-13106.	2.1	5
24	Time Invariance as an Additional Constraint on Nonlocal Realism. International Journal of Theoretical Physics, 2009, 48, 3287-3292.	1.2	5
25	Measurement Theory in Deutsch's Algorithm Based on the Truth Values. International Journal of Theoretical Physics, 2016, 55, 3616-3621.	1.2	5
26	Efficient Quantum Algorithms of Finding the Roots of a Polynomial Function. International Journal of Theoretical Physics, 2018, 57, 2546-2555.	1.2	5
27	Physics' Evolution Toward Computing. International Journal of Theoretical Physics, 2021, 60, 70-79.	1.2	5
28	Comment on "All quantum observables in a hidden-variable model must commute simultaneously". Physical Review A, 2006, 73, .	2.5	4
29	THE CONFLICT BETWEEN BELL–ŻUKOWSKI INEQUALITY AND BELL–MERMIN INEQUALITY. Modern Physics Letters A, 2008, 23, 2967-2977.	1.2	4
30	Necessary and Sufficient Condition for Greenberger-Horne-Zeilinger Diagonal States to Be Full N-partite Entangled. International Journal of Theoretical Physics, 2009, 48, 3358-3364.	1.2	4
31	An additional condition for Bell experiments for accepting local realistic theories. Quantum Information Processing, 2013, 12, 3785-3789.	2.2	4
32	Multipartite positive-partial-transpose inequalities exponentially stronger than local reality inequalities. Physical Review A, 2007, 76, .	2.5	3
33	Quantum algorithm for the root-finding problem. Quantum Studies: Mathematics and Foundations, 2019, 6, 135-139.	0.9	3
34	No-Cloning Theorem, Kochen-Specker Theorem, and Quantum Measurement Theories. International Journal of Theoretical Physics, 2019, 58, 1845-1853.	1.2	3
35	Incompleteness in the Bell Theorem Using Non-contextual Local Realistic Model. International Journal of Theoretical Physics, 2020, 59, 313-320.	1.2	3
36	Generalization of Deutsch's Algorithm. International Journal of Theoretical Physics, 2020, 59, 2557-2561.	1.2	3

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37	Continuous-Variable Quantum Computing and its Applications to Cryptography. International Journal of Theoretical Physics, 2020, 59, 3184-3188.	1.2	3
38	Establishing a Private Shared Reference Frame viaÂtheÂDistillation of Entanglement. International Journal of Theoretical Physics, 2009, 48, 3353-3357.	1.2	2
39	Kochen-Specker Theorem as a Precondition for Quantum Computing. International Journal of Theoretical Physics, 2016, 55, 5193-5201.	1.2	2
40	Efficient Quantum Algorithm for the Parity Problem of a Certain Function. International Journal of Theoretical Physics, 2018, 57, 3098-3103.	1.2	2
41	Quantum Cryptography Based on an Algorithm for Determining a Function Using Qudit Systems. International Journal of Theoretical Physics, 2020, 59, 2875-2879.	1.2	2
42	A Quantum Algorithm for a FULL Adder Operation Based on Registers of the CPU in a Quantum-gated Computer. International Journal of Theoretical Physics, 2021, 60, 2986-2994.	1.2	2
43	Violation of Rotational Invariance of Local Realistic Models with Two Settings. Journal of the Korean Physical Society, 2008, 53, 2216-2219.	0.7	2
44	The CHSH Bell Inequality: A Critical Look at Its Mathematics and Some Consequences for Physical Chemistry. Russian Journal of Physical Chemistry B, 2021, 15, S68-S80.	1.3	2
45	Additional information decreases the estimated entanglement using the Jaynes principle. Journal of Statistical Mechanics: Theory and Experiment, 2008, 2008, P03020.	2.3	1
46	Multipartite Generalized Bell Inequality withÂanÂArbitrary Number of Settings. International Journal of Theoretical Physics, 2009, 48, 3293-3303.	1.2	1
47	Local realism does not impose the commutative algebraic structure into all quantum observables. Physica Scripta, 2013, 88, 015007.	2.5	1
48	Measurement Theory Based on the Truth Values Violates Local Realism. International Journal of Theoretical Physics, 2017, 56, 372-376.	1.2	1
49	Better Entanglement Witness for Genuine Multipartite Entanglement. International Journal of Theoretical Physics, 2018, 57, 2116-2120.	1.2	1
50	Quantum Algorithm for Determining a Complex Number String. International Journal of Theoretical Physics, 2019, 58, 3694-3701.	1.2	1
51	The Supposition for the Kochen and Specker Theorem Using Sum rule and Product rule. International Journal of Theoretical Physics, 2019, 58, 4008-4011.	1.2	1
52	The Kochen-Specker Theorem Based on the Kronecker Delta. International Journal of Theoretical Physics, 2019, 58, 1311-1314.	1.2	1
53	Quantum Communication Based on an Algorithm of Determining a Matrix. International Journal of Theoretical Physics, 2019, 58, 247-254.	1.2	1
54	Quantum Algorithm for Evaluating Two of Logical Functions Simultaneously. International Journal of Theoretical Physics, 2020, 59, 2191-2197.	1.2	1

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55	Quantum state engineering with entangled squeezed states and photon number detector. , 2005, , .		0
56	Elaboration of Linear-optical Implementations of Quantum Algorithms with Single and Double-photon Entangled States. , 2007, , .		0
57	NONLOCALITY IMPROVES DEUTSCH ALGORITHM. International Journal of Quantum Information, 2009, 07, 603-614.	1.1	0
58	Bell Operator Method to Classify Local Realistic Theories. Chinese Physics Letters, 2010, 27, 030305.	3.3	0
59	A classical probability space exists for the measurement theory based on the truth values. Quantum Studies: Mathematics and Foundations, 2017, 4, 7-11.	0.9	0
60	Multipartite quantum correlations in the extended J_1–J_2 Heisenberg model. International Journal of Modern Physics B, 2017, 31, 1750206.	2.0	0
61	Using Inequalities as Tests for the Kochen-Specker Theorem for Multiparticle States. International Journal of Theoretical Physics, 2019, 58, 2327-2330.	1.2	0
62	Necessary and Sufficient Condition for Quantum Computing. International Journal of Theoretical Physics, 2019, 58, 136-142.	1.2	0
63	Incompleteness in the Bell Theorem with an Arbitrary Number of Settings. International Journal of Theoretical Physics, 2020, 59, 3426-3435.	1.2	0
64	New Method to Reveal the Conflict Between Local Realism and Quantum Mechanics. Journal of the Korean Physical Society, 2008, 53, 3793-3797.	0.7	0