

Dong Wang

List of Publications by Year in descending order

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113
papers

2,256
citations

201674

27
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276875

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114
all docs

114
docs citations

114
times ranked

456
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust coherent control in three-level quantum systems using composite pulses. <i>Optics Express</i> , 2022, 30, 3125.	3.4	3
2	Relationship Between Entanglement and Coherence in Some Two-Qubit States. <i>International Journal of Theoretical Physics</i> , 2022, 61, 1.	1.2	8
3	Quantum Resources in Heisenberg XX Model Under Noisy Environment. <i>International Journal of Theoretical Physics</i> , 2021, 60, 2412-2422.	1.2	0
4	Verification of complementarity relations between quantum steering criteria using an optical system. <i>Physical Review A</i> , 2021, 103, .	2.5	8
5	Robust stimulated Raman shortcut-to-adiabatic passage with invariant-based optimal control. <i>Optics Express</i> , 2021, 29, 7998.	3.4	14
6	Effective entanglement recovery via operators. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 215302.	2.1	7
7	Tradeoff Relations in Quantum Resource Theory. <i>Advanced Quantum Technologies</i> , 2021, 4, 2100036.	3.9	13
8	Constraint Relation Between Steerability and Concurrence for Two-Qubit States. <i>Annalen Der Physik</i> , 2021, 533, 2100098.	2.4	9
9	Estimating quantum steering and Bell nonlocality through quantum entanglement in two-photon systems. <i>Optics Express</i> , 2021, 29, 26822.	3.4	5
10	Tripartite entropic uncertainty in an open system under classical environmental noise. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 2620.	2.1	19
11	Characterizing entanglement and measurement's uncertainty in neutrino oscillations. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	14
12	Measurement uncertainty and entanglement in the hybrid-spin Heisenberg model. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 133, 114802.	2.7	11
13	Complementary relation between quantum entanglement and entropic uncertainty. <i>Communications in Theoretical Physics</i> , 2021, 73, 015101.	2.5	9
14	Experimental certification of the steering criterion based on the local uncertainty relation. <i>Physical Review A</i> , 2021, 104, .	2.5	2
15	Optimized entropic uncertainty relations for multiple measurements. <i>Physical Review A</i> , 2021, 104, .	2.5	31
16	Dynamics of the measurement uncertainty in an open system and its controlling. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 035501.	1.5	15
17	Entropic uncertainty relation in neutrino oscillations. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	52
18	Characterizing the dynamics of entropic uncertainty for multi-measurement. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	2

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19	Experimental investigation of linear-entropy-based uncertainty relations in all-optical systems. Physical Review A, 2020, 101, .	2.5	11
20	Experimental investigation of entropic uncertainty relations and coherence uncertainty relations. Physical Review A, 2020, 101, .	2.5	28
21	Measurement Uncertainty and Its Connection to Quantum Coherence in an Inertial Unruh-DeWitt Detector. Annalen Der Physik, 2020, 532, 2000062.	2.4	10
22	Improved tripartite uncertainty relation with quantum memory. Physical Review A, 2020, 102, .	2.5	69
23	Experimental certification of the steering criterion based on a general entropic uncertainty relation. Physical Review A, 2020, 101, .	2.5	14
24	Experimental observation of Einstein-Podolsky-Rosen steering via entanglement detection. Physical Review A, 2020, 101, .	2.5	9
25	Quantification of quantumness in neutrino oscillations. European Physical Journal C, 2020, 80, 1.	3.9	46
26	Mutual Restriction between Concurrence and Intrinsic Concurrence for Arbitrary Two-Qubit States. Chinese Physics Letters, 2020, 37, 110302.	3.3	1
27	Experimental investigation of the nonlocal advantage of quantum coherence. Physical Review A, 2019, 100, .	2.5	26
28	Quantum-Memory-Assisted Entropic Uncertainty Relations. Annalen Der Physik, 2019, 531, 1900124.	2.4	73
29	Exploring maximal steered coherence and entanglement via quantum steering ellipsoid framework. Quantum Information Processing, 2019, 18, 1.	2.2	1
30	Universal complementarity between coherence and intrinsic concurrence for two-qubit states. New Journal of Physics, 2019, 21, 093053.	2.9	22
31	Exploration of quantum correlations in an open system with Unruh effect under a Schwarzschild space-time. Laser Physics Letters, 2019, 16, 115201.	1.4	3
32	Restoration of Coherence by Local PT-Symmetric Operator. International Journal of Theoretical Physics, 2019, 58, 4184-4193.	1.2	1
33	How Stochastic Strictly Incoherent Operations Affect Coherence in Decoherence Channels. International Journal of Theoretical Physics, 2019, 58, 3667-3676.	1.2	1
34	Dynamical characteristic of measurement uncertainty under Heisenberg spin models with Dzyaloshinskii-Moriya interactions. Frontiers of Physics, 2019, 14, 1.	5.0	52
35	Entropic uncertainty relations in the spin-1 Heisenberg model. Quantum Information Processing, 2019, 18, 1.	2.2	16
36	Dynamical Measurement's Uncertainty in the Curved Space-Time. Annalen Der Physik, 2019, 531, 1900014.	2.4	27

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37	Cryptanalysis and improvement of dynamic quantum secret sharing protocol based on two-particle transform of Bell states. <i>Quantum Information Processing</i> , 2019, 18, 1.	2.2	9
38	The effect of non-Markovianity on the measurement-based uncertainty. <i>European Physical Journal D</i> , 2019, 73, 1.	1.3	19
39	Enhancing the nonlocal advantage of quantum coherence by local parity-time ($\langle i \rangle PT \langle /i \rangle$)-symmetric operation. <i>Laser Physics Letters</i> , 2019, 16, 055204.	1.4	8
40	Visualizing coherence, Bell-nonlocality and their interrelation for two-qubit X states in quantum steering ellipsoid formalism. <i>Quantum Information Processing</i> , 2019, 18, 1.	2.2	2
41	Intrinsic Relations of Bipartite Quantum Resources in Tripartite Systems. <i>Annalen Der Physik</i> , 2019, 531, 1800358.	2.4	7
42	Characterization of dynamical measurement's uncertainty in a two-qubit system coupled with bosonic reservoirs. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 977-984.	2.1	56
43	Entropic uncertainty relations in the Heisenberg XXZ model and its controlling via filtering operations. <i>Quantum Information Processing</i> , 2018, 17, 1.	2.2	36
44	Quantum dynamics characteristic and the flow of information for an open quantum system under relativistic motion. <i>Laser Physics Letters</i> , 2018, 15, 035203.	1.4	3
45	Decoherence effect on quantum-memory-assisted entropic uncertainty relations. <i>Quantum Information Processing</i> , 2018, 17, 1.	2.2	34
46	Comment on "Authenticated quantum secret sharing with quantum dialogue based on Bell states". <i>Physica Scripta</i> , 2018, 93, 027002.	2.5	12
47	Cryptanalysis of a semi-quantum secret sharing scheme based on Bell states. <i>Modern Physics Letters B</i> , 2018, 32, 1850117.	1.9	11
48	Unveiling the decoherence effect of noise on the entropic uncertainty relation and its control by partially collapsed operations. <i>Laser Physics Letters</i> , 2018, 15, 015207.	1.4	23
49	Observation of quantum-memory-assisted entropic uncertainty relation under open systems, and its steering. <i>Laser Physics Letters</i> , 2018, 15, 015206.	1.4	24
50	How the Hawking radiation affect quantum Fisher information of Dirac particles in the background of a Schwarzschild black hole. <i>Quantum Information Processing</i> , 2018, 17, 1.	2.2	5
51	Dynamical behavior of maximal steered coherence and concurrence under decoherence. <i>Laser Physics Letters</i> , 2018, 15, 125201.	1.4	2
52	Probing entropic uncertainty relations under a two-atom system coupled with structured bosonic reservoirs. <i>Quantum Information Processing</i> , 2018, 17, 1.	2.2	28
53	Nonlocal advantage of quantum coherence under relativistic frame. <i>Modern Physics Letters B</i> , 2018, 32, 1850377.	1.9	1
54	Exploring uncertainty relation and its connection with coherence under the Heisenberg spin model with the Dzyaloshinskii-Moriya interaction. <i>Quantum Information Processing</i> , 2018, 17, 1.	2.2	34

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55	Steering the measured uncertainty under decoherence through local $\{P\}\{T\}$ -symmetric operations. Laser Physics Letters, 2018, 15, 075202.	1.4	9
56	Dynamics and Recovery of Genuine Multipartite Einstein-Podolsky-Rosen Steering and Genuine Multipartite Nonlocality for a Dissipative Dirac System via the Unruh Effect. Annalen Der Physik, 2018, 530, 1700442.	2.4	15
57	Quantum distinguishability and geometric discord in the background of Schwarzschild space-time. Physica A: Statistical Mechanics and Its Applications, 2018, 510, 649-657.	2.6	5
58	The enhancement of quantum entanglement under an open Dirac system with the Hawking effect in Schwarzschild space-time. Laser Physics Letters, 2018, 15, 065210.	1.4	2
59	Effects of Hawking Radiation on the Entropic Uncertainty in a Schwarzschild Space-time. Annalen Der Physik, 2018, 530, 1800080.	2.4	48
60	Exploration quantum steering, nonlocality and entanglement of two-qubit X-state in structured reservoirs. Scientific Reports, 2017, 7, 39651.	3.3	49
61	Enhancement of multipartite entanglement in an open system under non-inertial frames. Quantum Information Processing, 2017, 16, 1.	2.2	28
62	The dynamic behaviors of complementary correlations under decoherence channels. Scientific Reports, 2017, 7, 40934.	3.3	5
63	Nearly deterministic Bell measurement using quantum communication bus. Quantum Information Processing, 2017, 16, 1.	2.2	0
64	How the Relativistic Motion Affect Quantum Fisher Information and Bell Non-locality for Multipartite state. Scientific Reports, 2017, 7, 38456.	3.3	12
65	Quantum-memory-assisted entropic uncertainty relation in a Heisenberg XYZ chain with an inhomogeneous magnetic field. Laser Physics Letters, 2017, 14, 065203.	1.4	51
66	Entropic uncertainty relations for Markovian and non-Markovian processes under a structured bosonic reservoir. Scientific Reports, 2017, 7, 1066.	3.3	67
67	Exploration of quantum-memory-assisted entropic uncertainty relations in a noninertial frame. Laser Physics Letters, 2017, 14, 055205.	1.4	49
68	Steering quantum-memory-assisted entropic uncertainty under unital and nonunital noises via filtering operations. Quantum Information Processing, 2017, 16, 1.	2.2	48
69	Entropic uncertainty for spin-1/2 XXX chains in the presence of inhomogeneous magnetic fields and its steering via weak measurement reversals. Laser Physics Letters, 2017, 14, 095204.	1.4	44
70	How relativistic motion affects Einstein-Podolsky-Rosen steering. Laser Physics Letters, 2017, 14, 095205.	1.4	19
71	Quantum coherence, uncertainty, nonlocal advantage of quantum coherence as indicators of quantum phase transition in the transverse Ising model. Laser Physics Letters, 2017, 14, 105202.	1.4	6
72	Exploring entropic uncertainty relation in the Heisenberg XX model with inhomogeneous magnetic field. Quantum Information Processing, 2017, 16, 1.	2.2	41

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73	Effect of local noise for achieving nonlocal advantage of quantum coherence. Quantum Information Processing, 2017, 16, 1.	2.2	13
74	Quantum Fisher information, quantum entanglement and correlation close to quantum critical phenomena. Quantum Information Processing, 2017, 16, 1.	2.2	20
75	Various quantum measures and quantum phase transition within one-dimensional anisotropic spin-1/2 Heisenberg XXZ model. Physica B: Condensed Matter, 2017, 524, 27-33.	2.7	2
76	How Unruh effect affects freezing coherence in decoherence. Quantum Information Processing, 2017, 16, 1.	2.2	6
77	Coherence of two-level atoms within cavity QED. Modern Physics Letters B, 2017, 31, 1750330.	1.9	0
78	Entanglement witness via quantum-memory-assisted entropic uncertainty relation. Laser Physics Letters, 2017, 14, 125208.	1.4	14
79	Recovering the lost steerability of quantum states within non-Markovian environments by utilizing quantum partially collapsing measurements. Laser Physics Letters, 2017, 14, 125204.	1.4	10
80	Renormalization of global entanglement and Bell nonlocality in the Ising model with a transverse field. Quantum Information Processing, 2017, 16, 1.	2.2	3
81	Entanglement revive and information flow within the decoherent environment. Scientific Reports, 2016, 6, 30710.	3.3	6
82	Practical single-photon-assisted remote state preparation with non-maximally entanglement. Quantum Information Processing, 2016, 15, 3367-3381.	2.2	27
83	Efficient Remote Preparation of Four-Qubit Cluster-Type Entangled States with Multi-Party Over Partially Entangled Channels. International Journal of Theoretical Physics, 2016, 55, 3454-3466.	1.2	17
84	Multiparty semiquantum secret sharing based on rearranging orders of qubits. Modern Physics Letters B, 2016, 30, 1650130.	1.9	27
85	Genuine multipartite entanglement as the indicator of quantum phase transition in spin systems. Quantum Information Processing, 2016, 15, 4629-4640.	2.2	9
86	Optimal Remote Preparation of a Four-Qubit Entangled Cluster-Type State Via Two Non-Maximally Entangled GHZ-Type States. International Journal of Theoretical Physics, 2016, 55, 4371-4383.	1.2	11
87	Entropic Uncertainty Relation Under Dissipative Environments and Its Steering by Local Non-unitary Operations. International Journal of Theoretical Physics, 2016, 55, 4641-4650.	1.2	3
88	Exploring the global entanglement and quantum phase transition in the spin 1/2 XXZ model with Dzyaloshinskii-Moriya interaction. Quantum Information Processing, 2016, 15, 245-253.	2.2	12
89	Comparative explorations of the revival and robustness for quantum dynamics under decoherence channels. Quantum Information Processing, 2016, 15, 1649-1659.	2.2	11
90	Revival and robustness of Bures distance discord under decoherence channels. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 843-847.	2.1	10

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91	Controllable quantum correlation of the Heisenberg models with inhomogeneous magnetic field. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 442, 373-379.	2.6	2
92	Preparation and transmission of diversified multi-particle entanglements with spatially separate cavities. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	2
93	Enhancing quantum correlation in open-system dynamics by reliable quantum operations. <i>Quantum Information Processing</i> , 2015, 14, 3569-3579.	2.2	12
94	Generalized Remote Preparation of Arbitrary m-qubit Entangled States via Genuine Entanglements. <i>Entropy</i> , 2015, 17, 1755-1774.	2.2	23
95	Universal Controlled-Phase Gates Between Distant Atoms Separately Trapped in Thermal Cavities. <i>International Journal of Theoretical Physics</i> , 2015, 54, 1380-1387.	1.2	0
96	Efficient and faithful remote preparation of arbitrary three- and four-particle W -class entangled states. <i>Quantum Information Processing</i> , 2015, 14, 2135-2151.	2.2	53
97	Proposal for Remotely Realizing Multi-qubit Controlled-Phase Gates. <i>International Journal of Theoretical Physics</i> , 2014, 53, 350-358.	1.2	3
98	The Transfer and Monogamy of Quantum Correlations for Two Qubits. <i>International Journal of Theoretical Physics</i> , 2014, 53, 4141-4152.	1.2	0
99	Multiparty-controlled joint remote state preparation. <i>Quantum Information Processing</i> , 2013, 12, 3223-3237.	2.2	64
100	Joint Remote Preparation of a Class of Four-Qubit Cluster-Like States with Tripartite Entanglements and Positive Operator-Valued Measurements. <i>International Journal of Theoretical Physics</i> , 2013, 52, 3075-3085.	1.2	26
101	Generation of three-atom Greenberger-Horne-Zeilinger entangled states based on separate cavities. <i>Optics Communications</i> , 2013, 297, 204-209.	2.1	0
102	Probabilistic Joint Remote Preparation of Four-Particle Cluster-Type States with Quaternate Partially Entangled Channels. <i>International Journal of Theoretical Physics</i> , 2012, 51, 3376-3386.	1.2	28
103	Joint remote state preparation of arbitrary two-qubit state with six-qubit state. <i>Optics Communications</i> , 2011, 284, 5853-5855.	2.1	48
104	Optimizing Scheme for Remote Preparation of Four-particle Cluster-like Entangled States. <i>International Journal of Theoretical Physics</i> , 2011, 50, 2748-2757.	1.2	28
105	Remote Implementation of Multi-qubit Quantum Phase Gates. <i>International Journal of Theoretical Physics</i> , 2010, 49, 777-785.	1.2	2
106	REMOTE PREPARATION OF AN ARBITRARY TWO-PARTICLE PURE STATE VIA NONMAXIMALLY ENTANGLED STATES AND POSITIVE OPERATOR-VALUED MEASUREMENT. <i>International Journal of Quantum Information</i> , 2010, 08, 1265-1275.	1.1	16
107	REVISITING NASERI'S SECURE QUANTUM SEALED-BID AUCTION. <i>International Journal of Quantum Information</i> , 2009, 07, 1295-1301.	1.1	18
108	Remote preparation of a class of three-qubit states. <i>Optics Communications</i> , 2008, 281, 871-875.	2.1	78

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109	MULTIPARTY QUANTUM SECRET SHARING SCHEME OF CLASSICAL MESSAGES BY SWAPPING QUDIT-STATE ENTANGLEMENT. International Journal of Modern Physics C, 2007, 18, 1885-1901.	1.7	16
110	Teleportation of an Arbitrary Two-Atom Entangled State via Thermal Cavity. Communications in Theoretical Physics, 2007, 47, 437-440.	2.5	5
111	Comment on "Quantum direct communication with authentication". Physical Review A, 2007, 75, .	2.5	106
112	Perfect teleportation of arbitrary n-qudit states using different quantum channels. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 372, 28-32.	2.1	70
113	Probabilistic Teleportation of an Arbitrary Unknown Two-Qubit State via Positive Operator-Valued Measure and Two Non-maximally Entangled States. Communications in Theoretical Physics, 2006, 46, 859-862.	2.5	11