Dong Wang

List of Publications by Year
in descending order

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113 papers	2,256 citations	201674 27 h-index	276875 41 g-index
114 all docs	114 docs citations	114 times ranked	456 citing authors

#	Article	IF	Citations
1	Comment on â€œQuantum direct communication with authenticationâ€. Physical Review A, 2007, 75, .	2.5	106
2	Remote preparation of a class of three-qubit states. Optics Communications, 2008, 281, 871-875.	2.1	78
3	Quantumâ€Memoryâ€Assisted Entropic Uncertainty Relations. Annalen Der Physik, 2019, 531, 1900124.	2.4	73
4	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
5	Improved tripartite uncertainty relation with quantum memory. Physical Review A, 2020, 102, .	2.5	69
6	Entropic uncertainty relations for Markovian and non-Markovian processes under a structured bosonic reservoir. Scientific Reports, 2017, 7, 1066.	3.3	67
7	Multiparty-controlled joint remote state preparation. Quantum Information Processing, 2013, 12, 3223-3237.	2.2	64
8	Characterization of dynamical measurement's uncertainty in a two-qubit system coupled with bosonic reservoirs. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 977-984.	2.1	56
9	Efficient and faithful remote preparation of arbitrary three- and four-particle $$W$$ W -class entangled states. Quantum Information Processing, 2015, 14, 2135-2151.	2.2	53
10	Dynamical characteristic of measurement uncertainty under Heisenberg spin models with Dzyaloshinskiiâ€“Moriya interactions. Frontiers of Physics, 2019, 14, 1.	5.0	52
11	Entropic uncertainty relation in neutrino oscillations. European Physical Journal C, 2020, 80, 1.	3.9	52
12	Quantum-memory-assisted entropic uncertainty relation in a HeisenbergXYZchain with an inhomogeneous magnetic field. Laser Physics Letters, 2017, 14, 065203.	1.4	51
13	Exploration quantum steering, nonlocality and entanglement of two-qubit X-state in structured reservoirs. Scientific Reports, 2017, 7, 39651.	3.3	49
14	Exploration of quantum-memory-assisted entropic uncertainty relations in a noninertial frame. Laser Physics Letters, 2017, 14, 055205.	1.4	49
15	Joint remote state preparation of arbitrary two-qubit state with six-qubit state. Optics Communications, 2011, 284, 5853-5855.	2.1	48
16	Steering quantum-memory-assisted entropic uncertainty under unital and nonunital noises via filtering operations. Quantum Information Processing, 2017, 16, 1.	2.2	48
17	Effects of Hawking Radiation on the Entropic Uncertainty in a Schwarzschild Spaceâ€Time. Annalen Der Physik, 2018, 530, 1800080.	2.4	48
18	Quantification of quantumness in neutrino oscillations. European Physical Journal C, 2020, 80, 1.	3.9	46

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19	Entropic uncertainty for spin-1/2XXXchains in the presence of inhomogeneous magnetic fields and its steering via weak measurement reversals. Laser Physics Letters, 2017, 14, 095204.	1.4	44
20	Exploring entropic uncertainty relation in the Heisenberg XX model with inhomogeneous magnetic field. Quantum Information Processing, 2017, 16, 1.	2.2	41
21	Entropic uncertainty relations in the Heisenberg XXZ model and its controlling via filtering operations. Quantum Information Processing, 2018, 17, 1.	2.2	36
22	Decoherence effect on quantum-memory-assisted entropic uncertainty relations. Quantum Information Processing, 2018, 17, 1.	2.2	34
23	Exploring uncertainty relation and its connection with coherence under the Heisenberg spin model with the Dzyaloshinskiiâ€“Moriya interaction. Quantum Information Processing, 2018, 17, 1.	2.2	34
24	Optimized entropic uncertainty relations for multiple measurements. Physical Review A, 2021, 104, .	2.5	31
25	Optimizing Scheme for Remote Preparation of Four-particle Cluster-like Entangled States. International Journal of Theoretical Physics, 2011, 50, 2748-2757.	1.2	28
26	Probabilistic Joint Remote Preparation of Four-Particle Cluster-Type States with Quaternate Partially Entangled Channels. International Journal of Theoretical Physics, 2012, 51, 3376-3386.	1.2	28
27	Enhancement of multipartite entanglement in an open system under non-inertial frames. Quantum Information Processing, 2017, 16, 1.	2.2	28
28	Probing entropic uncertainty relations under a two-atom system coupled with structured bosonic reservoirs. Quantum Information Processing, 2018, 17, 1.	2.2	28
29	Experimental investigation of entropic uncertainty relations and coherence uncertainty relations. Physical Review A, 2020, 101, .	2.5	28
30	Practical single-photon-assisted remote state preparation with non-maximally entanglement. Quantum Information Processing, 2016, 15, 3367-3381.	2.2	27
31	Multiparty semiquantum secret sharing based on rearranging orders of qubits. Modern Physics Letters B, 2016, 30, 1650130.	1.9	27
32	Dynamical Measurement's Uncertainty in the Curved Spaceâ€Time. Annalen Der Physik, 2019, 531, 1900014.	2.4	27
33	Joint Remote Preparation of a Class of Four-Qubit Cluster-Like States with Tripartite Entanglements and Positive Operator-Valued Measurements. International Journal of Theoretical Physics, 2013, 52, 3075-3085.	1.2	26
34	Experimental investigation of the nonlocal advantage of quantum coherence. Physical Review A, 2019, 100, .	2.5	26
35	Observation of quantum-memory-assisted entropic uncertainty relation under open systems, and its steering. Laser Physics Letters, 2018, 15, 015206.	1.4	24
36	Generalized Remote Preparation of Arbitrary m-qubit Entangled States via Genuine Entanglements. Entropy, 2015, 17, 1755-1774.	2.2	23

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37	Unveiling the decoherence effect of noise on the entropic uncertainty relation and its control by partially collapsed operations. Laser Physics Letters, 2018, 15, 015207.	1.4	23
38	Universal complementarity between coherence and intrinsic concurrence for two-qubit states. New Journal of Physics, 2019, 21, 093053.	2.9	22
39	Quantum Fisher information, quantum entanglement and correlation close to quantum critical phenomena. Quantum Information Processing, 2017, 16, 1.	2.2	20
40	How relativistic motion affects Einsteinâ€“Podolskyâ€“Rosen steering. Laser Physics Letters, 2017, 14, 095205.	1.4	19
41	The effect of non-Markovianity on the measurement-based uncertainty. European Physical Journal D, 2019, 73, 1.	1.3	19
42	Tripartite entropic uncertainty in an open system under classical environmental noise. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2620.	2.1	19
43	REVISITING NASERI'S SECURE QUANTUM SEALED-BID AUCTION. International Journal of Quantum Information, 2009, 07, 1295-1301.	1.1	18
44	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
45	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
46	REMOTE PREPARATION OF AN ARBITRARY TWO-PARTICLE PURE STATE VIA NONMAXIMALLY ENTANGLED STATES AND POSITIVE OPERATOR-VALUED MEASUREMENT. International Journal of Quantum Information, 2010, 08, 1265-1275.	1.1	16
47	Entropic uncertainty relations in the spin-1 Heisenberg model. Quantum Information Processing, 2019, 18, 1.	2.2	16
48	Dynamics and Recovery of Genuine Multipartite Einsteinâ€“Podolskyâ€“Rosen Steering and Genuine Multipartite Nonlocality for a Dissipative Dirac System via the Unruh Effect. Annalen Der Physik, 2018, 530, 1700442.	2.4	15
49	Dynamics of the measurement uncertainty in an open system and its controlling. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 035501.	1.5	15
50	Entanglement witness via quantum-memory-assisted entropic uncertainty relation. Laser Physics Letters, 2017, 14, 125208.	1.4	14
51	Experimental certification of the steering criterion based on a general entropic uncertainty relation. Physical Review A, 2020, 101, .	2.5	14
52	Robust stimulated Raman shortcut-to-adiabatic passage with invariant-based optimal control. Optics Express, 2021, 29, 7998.	3.4	14
53	Characterizing entanglement and measurementâ€™s uncertainty in neutrino oscillations. European Physical Journal C, 2021, 81, 1.	3.9	14
54	Effect of local noise for achieving nonlocal advantage of quantum coherence. Quantum Information Processing, 2017, 16, 1.	2.2	13

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55	Tradeoff Relations in Quantum Resource Theory. Advanced Quantum Technologies, 2021, 4, 2100036.	3.9	13
56	Enhancing quantum correlation in open-system dynamics by reliable quantum operations. Quantum Information Processing, 2015, 14, 3569-3579.	2.2	12
57	Exploring the global entanglement and quantum phase transition in the spin 1/2 XXZ model with Dzyaloshinskiiâ€“Moriya interaction. Quantum Information Processing, 2016, 15, 245-253.	2.2	12
58	How the Relativistic Motion Affect Quantum Fisher Information and Bell Non-locality for Multipartite state. Scientific Reports, 2017, 7, 38456.	3.3	12
59	Comment on â€˜Authenticated quantum secret sharing with quantum dialogue based on Bell statesâ€™. Physica Scripta, 2018, 93, 027002.	2.5	12
60	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
61	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
62	Comparative explorations of the revival and robustness for quantum dynamics under decoherence channels. Quantum Information Processing, 2016, 15, 1649-1659.	2.2	11
63	Cryptanalysis of a semi-quantum secret sharing scheme based on Bell states. Modern Physics Letters B, 2018, 32, 1850117.	1.9	11
64	Experimental investigation of linear-entropy-based uncertainty relations in all-optical systems. Physical Review A, 2020, 101, .	2.5	11
65	Measurement uncertainty and entanglement in the hybrid-spin Heisenberg model. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 133, 114802.	2.7	11
66	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
67	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
68	Measurement Uncertainty and Its Connection to Quantum Coherence in an Inertial Unruhâ€“DeWitt Detector. Annalen Der Physik, 2020, 532, 2000062.	2.4	10
69	Genuine multipartite entanglement as the indicator of quantum phase transition in spin systems. Quantum Information Processing, 2016, 15, 4629-4640.	2.2	9
70	Steering the measured uncertainty under decoherence through local ${mathcal{P}mathcal{T}}$ -symmetric operations. Laser Physics Letters, 2018, 15, 075202.	1.4	9
71	Cryptanalysis and improvement of dynamic quantum secret sharing protocol based on two-particle transform of Bell states. Quantum Information Processing, 2019, 18, 1.	2.2	9
72	Experimental observation of Einstein-Podolsky-Rosen steering via entanglement detection. Physical Review A, 2020, 101, .	2.5	9

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73	Constraint Relation Between Steerability and Concurrence for Twoâ€Qubit States. Annalen Der Physik, 2021, 533, 2100098.	2.4	9
74	Complementary relation between quantum entanglement and entropic uncertainty. Communications in Theoretical Physics, 2021, 73, 015101.	2.5	9
75	Enhancing the nonlocal advantage of quantum coherence by local parity-time (PT)-symmetric operation. Laser Physics Letters, 2019, 16, 055204.	1.4	8
76	Verification of complementarity relations between quantum steering criteria using an optical system. Physical Review A, 2021, 103, .	2.5	8
77	Relationship Between Entanglement and Coherence in Some Two-Qubit States. International Journal of Theoretical Physics, 2022, 61, 1.	1.2	8
78	Intrinsic Relations of Bipartite Quantum Resources in Tripartite Systems. Annalen Der Physik, 2019, 531, 1800358.	2.4	7
79	Effective entanglement recovery via operators. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 215302.	2.1	7
80	Entanglement revive and information flow within the decoherent environment. Scientific Reports, 2016, 6, 30710.	3.3	6
81	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
82	How Unruh effect affects freezing coherence in decoherence. Quantum Information Processing, 2017, 16, 1.	2.2	6
83	Teleportation of an Arbitrary Two-Atom Entangled State via Thermal Cavity. Communications in Theoretical Physics, 2007, 47, 437-440.	2.5	5
84	The dynamic behaviors of complementary correlations under decoherence channels. Scientific Reports, 2017, 7, 40934.	3.3	5
85	How the Hawking radiation affect quantum Fisher information of Dirac particles in the background of a Schwarzschild black hole. Quantum Information Processing, 2018, 17, 1.	2.2	5
86	Quantum distinguishability and geometric discord in the background of Schwarzschild spaceâ€“time. Physica A: Statistical Mechanics and Its Applications, 2018, 510, 649-657.	2.6	5
87	Estimating quantum steering and Bell nonlocality through quantum entanglement in two-photon systems. Optics Express, 2021, 29, 26822.	3.4	5
88	Proposal for Remotely Realizing Multi-qubit Controlled-Phase Gates. International Journal of Theoretical Physics, 2014, 53, 350-358.	1.2	3
89	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
90	Renormalization of global entanglement and Bell nonlocality in the Ising model with a transverse field. Quantum Information Processing, 2017, 16, 1.	2.2	3

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91	Quantum dynamics characteristic and the flow of information for an open quantum system under relativistic motion. Laser Physics Letters, 2018, 15, 035203.	1.4	3
92	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
93	Robust coherent control in three-level quantum systems using composite pulses. Optics Express, 2022, 30, 3125.	3.4	3
94	Remote Implementation of Multi-qubit Quantum Phase Gates. International Journal of Theoretical Physics, 2010, 49, 777-785.	1.2	2
95	Preparation and transmission of diversified multi-particle entanglements with spatially separate cavities. European Physical Journal D, 2015, 69, 1.	1.3	2
96	Controllable quantum correlation of the Heisenberg models with inhomogeneous magnetic field. Physica A: Statistical Mechanics and Its Applications, 2016, 442, 373-379.	2.6	2
97	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
98	Dynamical behavior of maximal steered coherence and concurrence under decoherence. Laser Physics Letters, 2018, 15, 125201.	1.4	2
99	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
100	Visualizing coherence, Bell-nonlocality and their interrelation for two-qubit X states in quantum steering ellipsoid formalism. Quantum Information Processing, 2019, 18, 1.	2.2	2
101	Characterizing the dynamics of entropic uncertainty for multi-measurement. European Physical Journal Plus, 2020, 135, 1.	2.6	2
102	Experimental certification of the steering criterion based on the local uncertainty relation. Physical Review A, 2021, 104, .	2.5	2
103	Nonlocal advantage of quantum coherence under relativistic frame. Modern Physics Letters B, 2018, 32, 1850377.	1.9	1
104	Exploring maximal steered coherence and entanglement via quantum steering ellipsoid framework. Quantum Information Processing, 2019, 18, 1.	2.2	1
105	Restoration of Coherence by Local PT-Symmetric Operator. International Journal of Theoretical Physics, 2019, 58, 4184-4193.	1.2	1
106	How Stochastic Strictly Incoherent Operations Affect Coherence in Decoherence Channels. International Journal of Theoretical Physics, 2019, 58, 3667-3676.	1.2	1
107	Mutual Restriction between Concurrence and Intrinsic Concurrence for Arbitrary Two-Qubit States. Chinese Physics Letters, 2020, 37, 110302.	3.3	1
108	Generation of three-atom Greenbergerâ€“Horneâ€“Zeilinger entangled states based on separate cavities. Optics Communications, 2013, 297, 204-209.	2.1	0

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109	The Transfer and Monogamy of Quantum Correlations for Two Qubits. International Journal of Theoretical Physics, 2014, 53, 4141-4152.	1.2	0
110	Universal Controlled-Phase Gates Between Distant Atoms Separately Trapped in Thermal Cavities. International Journal of Theoretical Physics, 2015, 54, 1380-1387.	1.2	0
111	Nearly deterministic Bell measurement using quantum communication bus. Quantum Information Processing, 2017, 16, 1.	2.2	0
112	Coherence of two-level atoms within cavity QED. Modern Physics Letters B, 2017, 31, 1750330.	1.9	0
113	Quantum Resources in Heisenberg XX Model Under Noisy Environment. International Journal of Theoretical Physics, 2021, 60, 2412-2422.	1.2	0