

Bao-Cang Ren

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,602
citations

471509

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h-index

454955

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docs citations

30
times ranked

370
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperentanglement-assisted hyperdistillation for hyper-encoding photon system. <i>Frontiers of Physics</i> , 2022, 17, 1.	5.0	11
2	Efficient quantum secure direct communication with complete Bell state measurement. <i>Quantum Engineering</i> , 2021, 3, e83.	2.5	19
3	General Quantum Entanglement Purification Protocol using a Controlled-Phase-Flip Gate. <i>Annalen Der Physik</i> , 2020, 532, 2000011.	2.4	7
4	Efficient quantum key distribution against collective noise using polarization and transverse spatial mode of photons. <i>Optics Express</i> , 2020, 28, 4611.	3.4	15
5	Imperfect-interaction-free entanglement purification on stationary systems for solid quantum repeaters. <i>Optics Express</i> , 2020, 28, 18693.	3.4	7
6	The Linear Optical Unambiguous Discrimination of Hyperentangled Bell States Assisted by Time Bin. <i>Annalen Der Physik</i> , 2019, 531, 1900201.	2.4	11
7	Complete analysis of hyperentangled Bell states assisted with auxiliary hyperentanglement. <i>Optics Express</i> , 2019, 27, 8994.	3.4	27
8	Three-Photon Polarization-Spatial Hyperparallel Quantum Fredkin Gate Assisted by Diamond Nitrogen Vacancy Center in Optical Cavity. <i>Annalen Der Physik</i> , 2018, 530, 1800043.	2.4	23
9	General hyperentanglement concentration for polarization-spatial-time-bin multi-photon systems with linear optics. <i>Frontiers of Physics</i> , 2018, 13, 1.	5.0	17
10	Quantum hyperentanglement and its applications in quantum information processing. <i>Science Bulletin</i> , 2017, 62, 46-68.	9.0	195
11	Hyperentanglement concentration for polarization-spatial-time-bin hyperentangled photon systems with linear optics. <i>Quantum Information Processing</i> , 2017, 16, 1.	2.2	8
12	Hyperentanglement concentration of nonlocal two-photon six-qubit systems with linear optics. <i>Annals of Physics</i> , 2017, 385, 86-94.	2.8	35
13	Robust hyperparallel photonic quantum entangling gate with cavity QED. <i>Optics Express</i> , 2017, 25, 10863.	3.4	54
14	Error-detected generation and complete analysis of hyperentangled Bell states for photons assisted by quantum-dot spins in double-sided optical microcavities. <i>Optics Express</i> , 2016, 24, 28444.	3.4	73
15	Universal hyperparallel hybrid photonic quantum gates with dipole-induced transparency in the weak-coupling regime. <i>Physical Review A</i> , 2015, 91, .	2.5	107
16	Hyper-parallel photonic quantum computation with coupled quantum dots. <i>Scientific Reports</i> , 2015, 4, 4623.	3.3	140
17	Highly efficient hyperentanglement concentration with two steps assisted by quantum swap gates. <i>Scientific Reports</i> , 2015, 5, 16444.	3.3	32
18	General hyperentanglement concentration for photon systems assisted by quantum-dot spins inside optical microcavities. <i>Optics Express</i> , 2014, 22, 6547.	3.4	96

#	ARTICLE	IF	CITATIONS
19	Correlation dynamics of a two-qubit system in a Bell-diagonal state under non-identical local noises. Quantum Information Processing, 2014, 13, 1175-1189.	2.2	8
20	Optimal multipartite entanglement concentration of electron-spin states based on charge detection and projection measurements. Quantum Information Processing, 2014, 13, 825-838.	2.2	5
21	Complete state analysis for four-qubit systems with optical property of quantum dots inside one-side optical microcavities. Quantum Information Processing, 2014, 13, 355-369.	2.2	3
22	Two-step hyperentanglement purification with the quantum-state-joining method. Physical Review A, 2014, 90, .	2.5	143
23	Complete Deterministic Analyzer for Multi-Electron Greenbergerâ€“Horneâ€“Zeilinger States Assisted by Double-Side Optical Microcavities. International Journal of Theoretical Physics, 2013, 52, 4045-4054.	1.2	6
24	Hyperentanglement concentration for two-photon four-qubit systems with linear optics. Physical Review A, 2013, 88, .	2.5	168
25	Hyperentanglement purification and concentration assisted by diamond NV centers inside photonic crystal cavities. Laser Physics Letters, 2013, 10, 115201.	1.4	110
26	Photonic spatial Bell-state analysis for robust quantum secure direct communication using quantum dot-cavity systems. European Physical Journal D, 2013, 67, 1.	1.3	70
27	High-efficiency multipartite entanglement purification of electron-spin states with charge detection. Quantum Information Processing, 2013, 12, 855-876.	2.2	15
28	Geometric measure of quantum discord for a two-parameter class of states in a qubitâ€“qutrit system under various dissipative channels. Quantum Information Processing, 2013, 12, 1109-1124.	2.2	28
29	Complete hyperentangled-Bell-state analysis for photon systems assisted by quantum-dot spins in optical microcavities. Optics Express, 2012, 20, 24664.	3.4	153
30	Faithful Entanglement Sharing for Quantum Communication Against Collective Noise. International Journal of Theoretical Physics, 2012, 51, 2346-2352.	1.2	16