# Chang-shui Yu

List of Publications by Year
in descending order



| 79 | 1,333 | 394421 19 | 395702 33 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 81 | 81 | 81 | 653 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Quantum coherence via skew information and its polygamy. Physical Review A, 2017, 95, . | 2.5 | 158 |
| 2 | Remote preparation of a qudit using maximally entangled states of qubits. Physical Review A, 2006, 73, . | 2.5 | 89 |
| 3 | Uncertainty-induced quantum nonlocality. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 344-347. | 2.1 | 79 |
| 4 | Entropic Uncertainty Relation and Information Exclusion Relation for multiple measurements in the presence of quantum memory. Scientific Reports, 2015, 5, 11701. | 3.3 | 66 |
| 5 | RÃ©nyi entropy uncertainty relation for successive projective measurements. Quantum Information Processing, 2015, 14, 2239-2253. | 2.2 | 45 |
| 6 | Coherence measure in terms of the Tsallis relative Î± entropy. Scientific Reports, 2018, 8, 299. | 3.3 | 42 |
| 7 | Quantum speed limit for a mixed initial state. Physical Review A, 2018, 98, . | 2.5 | 40 |
| 8 | Quantum thermal transistor based on qubit-qutrit coupling. Physical Review E, 2018, 98, 022118. | 2.1 | 40 |
| 9 | Separability criterion of tripartite qubit systems. Physical Review A, 2005, 72, . | 2.5 | 37 |
| 10 | Optomechanically induced transparency in multi-cavity optomechanical system with and without one two-level atom. Scientific Reports, 2016, 6, 28830. | 3.3 | 36 |
| 11 | The initial-state dependence of the quantum speed limit. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 045301. | 2.1 | 35 |
| 12 | Measurable entanglement for tripartite quantum pure states of qubits. Physical Review A, 2007, 76, . | 2.5 | 34 |
| 13 | Multifunctional quantum thermal device utilizing three qubits. Physical Review E, 2019, 99, 032112. | 2.1 | 31 |
| 14 | Bipartite concurrence and localized coherence. Physical Review A, 2009, 80, . | 2.5 | 30 |
| 15 | Direct scheme for measuring the geometric quantum discord. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 115308. | 2.1 | 28 |
| 16 | Total quantum coherence and its applications. Quantum Information Processing, 2016, 15, 3773-3784. | 2.2 | 28 |
| 17 | Re-examining the self-contained quantum refrigerator in the strong-coupling regime. Physical Review E, 2014, 90, 052142. | 2.1 | 27 |
| 18 | Evolution of entanglement for quantum mixed states. Physical Review A, 2008, 78, . | 2.5 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Quantum correlation measure in arbitrary bipartite systems. Europhysics Letters, 2014, 107, 10007. | 2.0 | 20 |
| 20 | Enhancement of mechanical entanglement in hybrid optomechanical system. Quantum Information Processing, 2020, 19, 1. | 2.2 | 20 |
| 21 | Free entanglement measure of multiparticle quantum states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 330, 377-383. | 2.1 | 19 |
| 22 | Controllable optomechanically induced transparency in coupled optomechanical systems. European Physical Journal D, 2017, 71, 1. | 1.3 | 19 |
| 23 | The classical correlation limits the ability of the measurement-induced average coherence. Scientific Reports, 2017, 7, 45598. | 3.3 | 19 |
| 24 | Direct measure of quantum correlation. Physical Review A, 2011, 84, . | 2.5 | 18 |
| 25 | Local quantum uncertainty guarantees the measurement precision for two coupled two-level systems in non-Markovian environment. Annals of Physics, 2018, 390, 71-82. | 2.8 | 18 |
| 26 | Tunable Optomechanically Induced Transparency and Fano Resonance in Optomechanical System with Levitated Nanosphere. International Journal of Theoretical Physics, 2018, 57, 2814-2827. | 1.2 | 17 |
| 27 | Enhanced entanglement and quantum steering of directly and indirectly coupled modes in a magnomechanical system. Physica Scripta, 2022, 97, 075102. | 2.5 | 16 |
| 28 | Enhanced entanglement induced by Coulomb interaction in coupled optomechanical systems. Physica Scripta, 2020, 95, 035108. | 2.5 | 14 |
| 29 | Quantifying coherence in terms of the pure-state coherence. Physical Review A, 2020, 101, . | 2.5 | 14 |
| 30 | Quantum speed limit based on the bound of Bures angle. Scientific Reports, 2020, 10, 5500. | 3.3 | 14 |
| 31 | Resource speed limits: maximal rate of resource variation. New Journal of Physics, 2022, 24, 065001. | 2.9 | 14 |
| 32 | Generation of enhanced entanglement of directly and indirectly coupled modes in a two-cavity magnomechanical system. Quantum Information Processing, 2022, 21, . | 2.2 | 14 |
| 33 | Quantum correlation via quantum coherence. Quantum Information Processing, 2014, 13, 1437-1456. | 2.2 | 13 |
| 34 | Enabling the self-contained refrigerator to work beyond its limits by filtering the reservoirs. Physical Review E, 2017, 96, 052126. | 2.1 | 13 |
| 35 | Operational resource theory of total quantum coherence. Annals of Physics, 2018, 388, 305-314. | 2.8 | 13 |
| 36 | Circuit QED: cross-Kerr effect induced by a superconducting qutrit without classical pulses. Quantum Information Processing, 2017, 16, 1. | 2.2 | 12 |

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| 37 | Common Environmental Effects on Quantum Thermal Transistor. Entropy, 2022, 24, 32. | 2.2 | 12 |
| 38 | Genuine tripartite entanglement monotone of(2âŠ—2âŠ—n)-dimensional systems. Physical Review A, 2008, 77, . | 2.5 | 11 |
| 39 | Tunable optical response of an optomechanical system with two mechanically driven resonators. Physica Scripta, 2020, 95, 045105. | 2.5 | 11 |
| 40 | Photon statistics on the extreme entanglement. Scientific Reports, 2016, 6, 24098. | 3.3 | 10 |
| 41 | Stronger uncertainty relations with improvable upper and lower bounds. Quantum Information Processing, 2017, 16, 1. | 2.2 | 10 |
| 42 | One-step implementation of a multi-target-qubit controlled phase gate in a multi-resonator circuit QED system. Quantum Information Processing, 2018, 17, 1. | 2.2 | 9 |
| 43 | Switchable and Enhanced Absorption via Qubit-Mechanical Nonlinear Interaction in a Hybrid Optomechanical System. International Journal of Theoretical Physics, 2021, 60, 739-753. | 1.2 | 9 |
| 44 | Quantum dissonance is rejected in an overlap measurement scheme. Physical Review A, 2012, 86, . | 2.5 | 8 |
| 45 | Dual roles of quantum discord in a nondemolition probing task. Physical Review A, 2013, 87, . | 2.5 | 8 |
| 46 | Perfect photon absorption in hybrid atom-optomechanical system. Europhysics Letters, 2016, 115, 64002. | 2.0 | 8 |
| 47 | The Roles of a Quantum Channel on a Quantum State. International Journal of Theoretical Physics, 2014, 53, 715-726. | 1.2 | 7 |
| 48 | Existence criterion of genuine tripartite entanglement. Physical Review A, 2006, 73, . | 2.5 | 6 |
| 49 | Entangling power in deterministic quantum computation with one qubit. Physical Review A, 2013, 87, . | 2.5 | 6 |
| 50 | The multistability in the coupled semiconductor microcavities. International Journal of Quantum Information, 2015, 13, 1550053. | 1.1 | 6 |
| 51 | The Precision of Parameter Estimation for Dephasing Model Under Squeezed Reservoir. International Journal of Theoretical Physics, 2017, 56, 1198-1207. | 1.2 | 5 |
| 52 | Optical response mediated by a two-level system in the hybrid optomechanical system. Quantum Information Processing, 2018, 17, 1. | 2.2 | 5 |
| 53 | Margolusâ€“Levitin speed limit across quantum to classical regimes based on trace distance*. Chinese Physics B, 2020, 29, 050302. | 1.4 | 5 |
| 54 | The effect of center-of-mass motion on photon statistics. Annals of Physics, 2015, 361, 563-573. | 2.8 | 4 |

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|---|---|---|---|
| 55 | Measurement-induced nonlocality in arbitrary dimensions in terms of the inverse approximate joint diagonalization. Physical Review A, 2018, 97, . | 2.5 | 4 |
| 56 | Quantum speed limit for the maximum coherent state under the squeezed environment*. Chinese Physics B, 2021, 30, 090308. | 1.4 | 4 |
| 57 | Generalization of concurrence vectors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 333, 364-370. | 2.1 | 3 |
| 58 | Non-classicalities via perturbing local unitary operations. European Physical Journal D, 2013, 67, 1. | 1.3 | 3 |
| 59 | Quantum correlation cost of the weak measurement. Annals of Physics, 2014, 351, 104-111. | 2.8 | 3 |
| 60 | The Measurement-Disturbance Relation and the Disturbance Trade-off Relation in Terms of Relative Entropy. International Journal of Theoretical Physics, 2016, 55, 3943-3953. | 1.2 | 3 |
| 61 | Quantum acceleration by an ancillary system in non-Markovian environments. Quantum Information Processing, 2021, 20, 1. | 2.2 | 3 |
| 62 | The optimal approximation of qubit states with limited quantum states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 398, 127286. | 2.1 | 3 |
| 63 | Photon and phonon statistics in a qubit-plasmon-phonon ultrastrong-coupling system. Physical Review A, 2022, 105, . | 2.5 | 3 |
| 64 | Deterministic transfer of an unknown qutrit state assisted by the low- Q microwave resonators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1727-1731. | 2.1 | 2 |
| 65 | Analytically Computable Symmetric Quantum Correlations. Annalen Der Physik, 2019, 531, 1800178. | 2.4 | 2 |
| 66 | Distribution of standard deviation of an observable among superposed states. Annals of Physics, 2016, 373, 43-51. | 2.8 | 1 |
| 67 | Optimal Photon Blockade on the Maximal Atomic Coherence. International Journal of Theoretical Physics, 2016, 55, 5239-5249. | 1.2 | 1 |
| 68 | Weak Measurements Destroy Too Much Quantum Correlation. International Journal of Theoretical Physics, 2016, 55, 62-70. | 1.2 | 1 |
| 69 | Effects of the Coherence on the Parameter Estimation in a Quantum Metrology Scheme with Driving Fields. International Journal of Theoretical Physics, 2020, 59, 993-1008. | 1.2 | 1 |
| 70 | Nondestructive Probing Scheme of Quantum State Without Quantum Correlation. International Journal of Theoretical Physics, 2013, 52, 3676-3682. | 1.2 | 0 |
| 71 | QUANTUM CORRELATIONS IN THE ENTANGLEMENT DISTILLATION PROTOCOLS. International Journal of Quantum Information, 2013, 11, 1350029. | 1.1 | 0 |
| 72 | The roles of quantum correlations in quantum cloning. European Physical Journal D, 2014, 68, 1. | 1.3 | 0 |

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| 73 | Heat Current and Quantum Correlation Subject to the Nonequilibrium Squeezed Reservoirs. International Journal of Theoretical Physics, 2015, 54, 2942-2951. | 1.2 | 0 |
| 74 | Complementarity relations of the measurement-induced average total coherence. Physica Scripta, 2019, 94, 025102. | 2.5 | 0 |
| 75 | The bounds of Fisher information induced by the superposed input states. Quantum Information Processing, 2020, 19, 1. | 2.2 | 0 |
| 76 | Extremal photon statistics signal the extremal entanglement. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 155501. | 1.5 | 0 |
| 77 | The best approximation of a given qubit state with the limited pure-state set. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 085205. | 2.1 | 0 |
| 78 | Quantifying entanglement in terms of an operational way*. Chinese Physics B, 2021, 30, 020302. | 1.4 | 0 |
| 79 | The Best Approximation of an Objective State With a Given Set of Quantum States. Annalen Der Physik, 2022, 534, 2100407. | 2.4 | 0 |