

Xue-xiang Xu

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum-enhanced SU(1,1) interferometry via a Fock state and an arbitrary state. Optics Communications, 2022, 505, 127592.	2.1	3
2	Multi-Headed Symmetrical Superpositions of Coherent States. International Journal of Theoretical Physics, 2022, 61, .	1.2	0
3	Can orthogonalization enhance the EPR correlation and the teleportation fidelity of a two-mode squeezed vacuum?. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 1497.	2.1	1
4	Amplified thermal state: Properties and decoherence. Modern Physics Letters B, 2021, 35, 2150448.	1.9	1
5	Signal characters and non-classical properties of quadratically amplified squeezed vacuum. Modern Physics Letters B, 2021, 35, 2150028.	1.9	2
6	Photon-catalyzed optical coherent states generated via a non-degenerate parametric amplifier with quantum-optical catalysis. Canadian Journal of Physics, 2020, 98, 119-124.	1.1	2
7	Changing Fock matrix elements of two-mode squeezed vacuum state by employing three conditional operations in one-sided lossy channel. Physica Scripta, 2020, 95, 045101.	2.5	5
8	Comparative analysis of properties for amplified coherent state and amplified squeezed vacuum. Modern Physics Letters B, 2020, 34, 2050377.	1.9	3
9	Conditional generation of multiphoton-subtracted squeezed vacuum states: loss consideration and operator description. Quantum Information Processing, 2020, 19, 1.	2.2	3
10	Finite-dimensional quantum states generated by conditional measurements on beam splitters. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1054.	2.1	6
11	Dynamical evolution of photon-added thermal state in thermal reservoir*. Chinese Physics B, 2019, 28, 110301.	1.4	2
12	Entanglement properties of a tunable non-Gaussian quantum state by virtue of multi-photon conditional measurement. Laser Physics, 2019, 29, 115204.	1.2	5
13	Orthogonal state of coherent state based on Hermite-excited superposition operator: Production and Wigner function. Modern Physics Letters B, 2019, 33, 1950320.	1.9	2
14	Single-mode squeezed vacuum state orthogonalization via photon-addition operation. Optik, 2019, 183, 1043-1047.	2.9	0
15	Induced States from Coherent State via Photon-Addition Operations. International Journal of Theoretical Physics, 2019, 58, 1908-1926.	1.2	6
16	Nonclassical properties of induced states from single-mode squeezed vacuum state related with Hermite excited elementary superposition operation. European Physical Journal Plus, 2019, 134, 1.	2.6	5
17	Nonclassical properties of coherent state orthogonalization via Hermite polynomial excited operation. Laser Physics Letters, 2019, 16, 055203.	1.4	4
18	Measurement-induced nonclassical state from two-mode squeezed vacuum states via beam splitter and its entanglement properties. Laser Physics Letters, 2019, 16, 105202.	1.4	11

#	ARTICLE	IF	CITATIONS
19	Orthogonalization of coherent state and generation of continuous-variable qubit state via a coherent superposition of photon addition and subtraction. <i>Modern Physics Letters A</i> , 2018, 33, 1850172.	1.2	4
20	Quantum-Catalyzed Squeezed Vacuum State with Single-Photon Measurement and its Nonclassicality. <i>International Journal of Theoretical Physics</i> , 2018, 57, 2892-2903.	1.2	3
21	Generating two-variable Hermite polynomial excited squeezed vacuum states by conditional measurement on beam splitters. <i>Optik</i> , 2018, 172, 1034-1039.	2.9	3
22	Some Evolution Formulas on the Optical Fields Propagation in Realistic Environments. <i>International Journal of Theoretical Physics</i> , 2017, 56, 791-801.	1.2	3
23	Thermal state truncation by using quantum-scissors device. <i>Optics Communications</i> , 2017, 382, 127-131.	2.1	13
24	Measurement-induced nonclassical states from a coherent state heralded by Knill-Lafamme-Milburn-type interference. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 1322.	2.1	10
25	Generating single-photon catalyzed coherent states with quantum-optical catalysis. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 2342-2348.	2.1	18
26	Dynamics and nonclassical properties of an opto-mechanical system prepared in four-headed cat state and number state. <i>Optics Communications</i> , 2016, 369, 179-188.	2.1	7
27	Enhancing quantum entanglement and quantum teleportation for two-mode squeezed vacuum state by local quantum-optical catalysis. <i>Physical Review A</i> , 2015, 92, .	2.5	40
28	Squeezed vacuum state in lossy channel as a squeezed thermal state. <i>Modern Physics Letters B</i> , 2015, 29, 1550219.	1.9	3
29	M Times Photon Subtraction-Addition Coherent Superposition Operated Odd-Schrodinger-cat State: Nonclassicality and Decoherence. <i>International Journal of Theoretical Physics</i> , 2015, 54, 2952-2968.	1.2	2
30	Synthesis of Hermite polynomial excited squeezed vacuum states from two separate single-mode squeezed vacuum states. <i>Optics Communications</i> , 2015, 356, 223-229.	2.1	20
31	An easy measure of quantum correlation. <i>Quantum Information Processing</i> , 2015, 14, 4103-4112.	2.2	6
32	Quantum phase estimation with local amplified 1001 state based on Wigner-function method. <i>Quantum Information Processing</i> , 2015, 14, 411-424.	2.2	4
33	Optical Parametric Amplification of Single Photon: Statistical Properties and Quantum Interference. <i>International Journal of Theoretical Physics</i> , 2014, 53, 1601-1613.	1.2	10
34	Nonclassicality and Decoherence of the Variable Arcsine State in a Thermal Environment. <i>International Journal of Theoretical Physics</i> , 2014, 53, 3970-3980.	1.2	1
35	Nonlocality of High-Order Superposition Photon Addition Two-Mode Thermal State. <i>International Journal of Theoretical Physics</i> , 2013, 52, 2784-2795.	1.2	1
36	Nonclassicality and Decoherence of Generalized Photon-Modulated Squeezed Thermal State. <i>International Journal of Theoretical Physics</i> , 2013, 52, 3543-3559.	1.2	1

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37	Nonclassicality of Coherent Photon-Subtracted Two Single-Modes Squeezed Vacuum State. International Journal of Theoretical Physics, 2013, 52, 2886-2903.	1.2	6
38	Nonclassicality and Decoherence of Photon-Subtraction Squeezing-Enhanced Thermal State. International Journal of Theoretical Physics, 2012, 51, 3330-3343.	1.2	11
39	Quantum interference between an arbitrary-photon Fock state and a coherent state. Journal of Modern Optics, 2012, 59, 1624-1633.	1.3	16
40	The Squeezing Effect of Three-Mode Operator as an Extension from Two-Mode Squeezing Operator. International Journal of Theoretical Physics, 2012, 51, 2056-2065.	1.2	3
41	Kraus Operator-Sum Representation and Time Evolution of Distribution Functions in Phase-Sensitive Reservoirs. International Journal of Theoretical Physics, 2012, 51, 331-349.	1.2	11
42	FRACTIONAL HADAMARD TRANSFORM WITH CONTINUOUS VARIABLES IN THE CONTEXT OF QUANTUM OPTICS. International Journal of Quantum Information, 2011, 09, 1147-1155.	1.1	0
43	Wigner Function, Husimi Function and Tomogram of Atomic Coherent State as Energy Eigenstate of Two Coupled Oscillators. International Journal of Theoretical Physics, 2011, 50, 1643-1655.	1.2	0
44	FLUCTUATION OF MESOSCOPIC RLC CIRCUIT AT PHOTON-SUBTRACTED AND PHOTON-ADDED THERMO VACUUM STATES WITH FINITE TEMPERATURE. Modern Physics Letters B, 2011, 25, 31-39.	1.9	5
45	FLUCTUATIONS AT FINITE TEMPERATURE AND THERMODYNAMICS OF MESOSCOPIC RLC CIRCUIT CALCULATED BY USING GENERALIZED THERMAL VACUUM STATE. Modern Physics Letters B, 2011, 25, 2353-2361.	1.9	10
46	Time Evolution of Husimi Function for Photon-Added Squeezed Vacuum State in Dissipative Channel. International Journal of Theoretical Physics, 2010, 49, 2200-2209.	1.2	2
47	Application of Generalized EPR Entangled State in Quantum Teleportation. International Journal of Theoretical Physics, 2010, 49, 2486-2498.	1.2	2
48	Photon-added squeezed thermal states: Statistical properties and its decoherence in a photon-loss channel. Optics Communications, 2010, 283, 1801-1809.	2.1	40
49	NONCLASSICALITY AND DECOHERENCE OF PHOTON-ADDED THERMAL STATE. International Journal of Quantum Information, 2010, 08, 1373-1387.	1.1	1
50	Generalized Hellmann-Feynman Theorem for Coupled Anisotropic Two-Mode Boson System. International Journal of Theoretical Physics, 2010, 49, 1200-1211.	1.2	1
51	Photon-subtracted squeezed thermal state: Nonclassicality and decoherence. Physical Review A, 2010, 82, .	2.5	104
52	SEARCHING FOR PSEUDO-INVARIANT EIGEN-OPERATOR OF THE \hat{s} -TYPE THREE-LEVEL JAYNES-CUMMINGS MODEL. International Journal of Modern Physics B, 2010, 24, 6203-6210.	2.0	3