Xiang-guo

List of Publications by Year in Descending Order

65 papers	**397** citations	**10** h-index	**15** g-index
66 ext. papers	**446** ext. citations	**1.5** avg, IF	**3.9** L-index

#	Paper	IF	Citations
65	Statistical properties of non-Gaussian quantum states generated via thermal state truncation. *Physica A: Statistical Mechanics and Its Applications*, **2022**, 596, 127127	3.3	0
64	Evolution of Quantum States Simultaneously Undergoing Two Kinds of Quantum Noises. *International Journal of Theoretical Physics*, **2021**, 60, 3115-3127	1.1	
63	Quantization of double enhanced charge phase-slip qubits and quantum entanglement control. *International Journal of Modern Physics B*, **2021**, 35, 2150041	1.1	
62	Quantum disentangling operator and squeezed vacuum state noise of a mesoscopic two-loop LC circuit with mutual inductance. *International Journal of Modern Physics B*, **2020**, 34, 2050121	1.1	
61	Squeezed Hermite polynomial state: nonclassical features and decoherence behavior. *Journal of Optics (United Kingdom)*, **2020**, 22, 015201	1.7	5
60	Wigner-function Evolution and Photon-number Decay of Quantum States in a Laser Cavity with the Kerr Medium. *International Journal of Theoretical Physics*, **2020**, 59, 350-360	1.1	2
59	Nonclassicality via the Superpositions of Photon Addition and Subtraction and Quantum Decoherence for Thermal Noise. *Annalen Der Physik*, **2020**, 532, 2000219	2.6	4
58	Multi-variable special polynomials using an operator ordering method. *Frontiers of Physics*, **2020**, 15, 1	3.7	5
57	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
56	Continuous-Variable Entanglement and Wigner-Function Negativity via Adding or Subtracting Photons. *Annalen Der Physik*, **2020**, 532, 1900585	2.6	7
55	Entanglement properties of a tunable non-Gaussian quantum state by virtue of multi-photon conditional measurement. *Laser Physics*, **2019**, 29, 115204	1.2	3
54	Wigner function for squeezed negative binomial state and evolution of density operator for amplitude decay. *Chinese Physics B*, **2019**, 28, 090302	1.2	3
53	Induced States from Coherent State via Photon-Addition Operations. *International Journal of Theoretical Physics*, **2019**, 58, 1908-1926	1.1	4
52	New generalized binomial theorems involving two-variable Hermite polynomials via quantum optics approach and their applications. *European Physical Journal D*, **2019**, 73, 1	1.3	10
51	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	3.1	5
50	Multiple-Photon-Added and -Subtracted Two-Mode Binomial States: Nonclassicality and Entanglement. *Communications in Theoretical Physics*, **2019**, 71, 807	2.4	4
49	Effects of decoherence on diabatic errors in Majorana braiding. *Physical Review A*, **2019**, 100,	2.6	6

48	Phase Space Analysis of the Two-mode Binomial State Produced by Quantum Entanglement in a Beamsplitter. *International Journal of Theoretical Physics*, **2019**, 58, 2521-2530	1.1	3
47	Time evolution of angular momentum coherent state derived by virtue of entangled state representation and a new binomial theorem. *Chinese Physics B*, **2019**, 28, 100301	1.2	4
46	Measurement-induced nonclassical state from two-mode squeezed vacuum states via beam splitter and its entanglement properties. *Laser Physics Letters*, **2019**, 16, 105202	1.5	6
45	Nonclassical thermal-state superpositions: Analytical evolution law and decoherence behavior. *Optics Communications*, **2018**, 411, 15-20	2	19
44	Nonclassicality of Photon-Added Displaced Thermal State via Quantum Phase-Space Distributions. *Journal of the Physical Society of Japan*, **2018**, 87, 024001	1.5	13
43	Optical Tomograms of Multiple-Photon-Added Gaussian States via the Intermediate State Representation Theory. *Journal of Experimental and Theoretical Physics*, **2018**, 127, 383-390	1	6
42	Evolution of a two-mode squeezed vacuum for amplitude decay via continuous-variable entangled state approach. *Frontiers of Physics*, **2018**, 13, 1	3.7	23
41	Statistical Properties of Photon-Added Two-Mode Squeezed Coherent States. *International Journal of Theoretical Physics*, **2017**, 56, 729-740	1.1	4
40	New relationship between quantum state tomogram and its wave function. *Journal of Modern Optics*, **2017**, 64, 1398-1403	1.1	8
39	Analytical and numerical investigations of displaced thermal state evolutions in a laser process. *Chinese Physics B*, **2017**, 26, 120301	1.2	7
38	A new kind of nonlinear coherent states and their properties. *Journal of Modern Optics*, **2016**, 63, 2367-2373	1.1	6
37	Kraus Operator-Sum Solution to the Master Equation Describing the Single-Mode Cavity Driven by an Oscillating External Field in the Heat Reservoir. *International Journal of Theoretical Physics*, **2016**, 55, 3630-3636	1.1	8
36	S -parameterized Weyl transformation and the corresponding quantization scheme. *Chinese Physics B*, **2015**, 24, 014203	1.2	6
35	Optical Tomography for Single- and Two-Mode Squeezed Chaotic Fields. *International Journal of Theoretical Physics*, **2014**, 53, 1239-1247	1.1	4
34	Nonclassical properties and decoherence of fields in photon-added squeezing-enhanced thermal states. *International Journal of Modern Physics B*, **2014**, 28, 1450115	1.1	5
33	Time-Evolution of Photon-Number Distribution and Density Operator of Squeezed Thermal State in the Thermal Environment. *International Journal of Theoretical Physics*, **2013**, 52, 4155-4162	1.1	3
32	Wigner Functions for Two-Variable Hermite Polynomial States and Their Time-Evolutions Under Thermal Environment. *International Journal of Theoretical Physics*, **2013**, 52, 3066-3074	1.1	2
31	New Parameterized Coherent-Entangled State Representation and Its Applications. *International Journal of Theoretical Physics*, **2013**, 52, 2255-2262	1.1	1

30	New approach for deriving the exact time evolution of the density operator for a diffusive anharmonic oscillator and its Wigner distribution function. *Chinese Physics B*, **2013**, 22, 030307	1.2	5
29	DECOHERENCE DYNAMICS OF A FLUX QUBIT RESPECTIVELY COUPLED TO A BOSON BATH AND A SPIN BATH. *International Journal of Modern Physics B*, **2013**, 27, 1350134	1.1	2
28	Wigner function, optical tomography of two-variable Hermite polynomial state, and its decoherence effects studied by the entangled-state representations. *Journal of the Optical Society of America B: Optical Physics*, **2013**, 30, 1614	1.7	18
27	Generation of a new bipartite coherent-entangled state and its applications. *Chinese Physics B*, **2012**, 21, 030304	1.2	7
26	Photon-subtracted squeezed coherent state: nonclassicality and decoherence in thermal environment. *Journal of the Optical Society of America B: Optical Physics*, **2012**, 29, 397	1.7	20
25	Nonclassical properties of photon-added two-mode squeezed thermal states and their decoherence in the thermal channel. *Journal of the Optical Society of America B: Optical Physics*, **2012**, 29, 1844	1.7	31
24	Nonclassicality and decoherence of photon-subtracted squeezed vacuum states. *Journal of the Optical Society of America B: Optical Physics*, **2012**, 29, 3141	1.7	32
23	Squeezed number state and squeezed thermal state: decoherence analysis and nonclassical properties in the laser process. *Journal of the Optical Society of America B: Optical Physics*, **2012**, 29, 1835	1.7	17
22	A generalized Weyl-Wigner quantization scheme unifying P Q and Q P ordering and Weyl ordering of operators. *Chinese Physics B*, **2012**, 21, 064204	1.2	14
21	A New Kind of Bipartite Coherent-Entangled State and Its Applications in Quantum Optics. *International Journal of Theoretical Physics*, **2011**, 50, 906-915	1.1	2
20	A New Kind of Bipartite Entangled State and Some of Its Applications. *International Journal of Theoretical Physics*, **2011**, 50, 3348-3356	1.1	6
19	New parameterized entangled state representation and its applications. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2011**, 44, 165506	1.3	4
18	A new finite-dimensional pair coherent state studied by virtue of the entangled state representation and its statistical behavior. *Optics Communications*, **2010**, 283, 4025-4031	2	10
17	Selection Rules of Energy-Level Transition for the Capacitance Coupling LC Mesoscopic Circuit by Using Invariant Eigen-Operator Method. *International Journal of Theoretical Physics*, **2010**, 49, 2313-2319	1.1	
16	Equivalent Analogy of Mesoscopic RLC Circuit and Its Thermal Effect. *International Journal of Theoretical Physics*, **2010**, 49, 1768-1774	1.1	
15	MODIFIED JOSEPHSON EQUATION AND MEASUREMENT DYNAMICS FOR THE JOSEPHSON TRANSMISSION LINE DETECTOR. *Modern Physics Letters B*, **2009**, 23, 2013-2019	1.6	
14	QUANTIZATION FOR THE MESOSCOPIC RLC CIRCUIT AND ITS THERMAL EFFECT BY VIRTUE OF GHFT. *Modern Physics Letters B*, **2009**, 23, 3621-3630	1.6	2
13	Wigner Functions and Tomograms of the Klauder-Perelomov Coherent States for the Pseudoharmonic Oscillator. *International Journal of Theoretical Physics*, **2009**, 48, 535-544	1.1	

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12	Wigner Functions and Tomograms of the Even and Odd Negative Binomial States. *International Journal of Theoretical Physics*, **2009**, 48, 803-814	1.1	
11	Thermal Effect for the Mesoscopic LC Circuits Including Complicated Coupling by Virtue of GHFT. *International Journal of Theoretical Physics*, **2009**, 48, 2319-2327	1.1	1
10	Quasiprobability Distribution Functions of Squeezed Pair Coherent States. *International Journal of Theoretical Physics*, **2009**, 48, 2390-2400	1.1	2
9	Two-variable Hermite Polynomial State and Its Wigner Function. *International Journal of Theoretical Physics*, **2009**, 48, 3268-3277	1.1	
8	Entangled State in Quantization of Magnetic Flux Qubits with Mutual Inductance Coupling. *International Journal of Theoretical Physics*, **2009**, 48, 1545-1553	1.1	
7	Quantum theory of a mutual-inductance-coupled LC circuit including Josephson junctions studied via the entangled state representation. *Solid State Communications*, **2009**, 149, 2027-2031	1.6	5
6	ATOMIC COHERENT STATES AS THE EIGENSTATES OF A TWO-DIMENSIONAL ANISOTROPIC HARMONIC OSCILLATOR IN A UNIFORM MAGNETIC FIELD. *Modern Physics Letters A*, **2009**, 24, 3129-3136	1.3	1
5	Wigner function and tomogram of the pair coherent state. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2007**, 363, 12-18	2.3	11
4	The q-Analogues of Squeezed States and Some Properties. *International Journal of Theoretical Physics*, **2007**, 46, 1307-1317	1.1	5
3	Quantization of the Single-qubit Structure with SQUID. *International Journal of Theoretical Physics*, **2007**, 46, 1416-1423	1.1	5
2	Entangled States in the Capacitance Coupling Double Josephson Junction Mesoscopic Circuit. *International Journal of Theoretical Physics*, **2007**, 46, 2901-2909	1.1	3
1	QUANTUM STATE OF JOSEPHSON JUNCTION AS COOPER PAIR NUMBER-PHASE ENTANGLED STATE IN THE BOSONIC OPERATOR JOSEPHSON MODEL. *International Journal of Modern Physics B*, **2007**, 21, 3697-3706	1.1	6