

Joanna K Kalaga

List of Publications by Year in descending order

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34
papers

320
citations

1040056

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839539

18
g-index

34
all docs

34
docs citations

34
times ranked

188
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum steering and entanglement in three-mode triangle Bose-Hubbard system. Quantum Information Processing, 2017, 16, 1.	2.2	49
2	Quantum correlations and entanglement in a model comprised of a short chain of nonlinear oscillators. Physical Review A, 2016, 94, .	2.5	40
3	Einstein-Podolsky-Rosen steering and coherence in the family of entangled three-qubit states. Physical Review A, 2018, 97, .	2.5	40
4	Nonclassical light at exceptional points of a quantum χ -symmetric two-mode system. Physical Review A, 2019, 100, .	2.5	33
5	Long-time fidelity and chaos for a kicked nonlinear oscillator system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1334-1340.	2.1	28
6	Quantum steering borders in three-qubit systems. Quantum Information Processing, 2017, 16, 1.	2.2	26
7	Wigner-function nonclassicality as indicator of quantum chaos. Physical Review E, 2008, 78, 066219.	2.1	23
8	Kullback-Leibler quantum divergence as an indicator of quantum chaos. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1280-1286.	2.1	12
9	Anomalously high value of Coulomb pseudopotential for the H5S2 superconductor. Scientific Reports, 2018, 8, 11957.	3.3	9
10	Influence of external extrusion on stability of hydrogen molecule and its chaotic behavior. Chaos, 2018, 28, 013126.	2.5	8
11	Characteristics of Superconducting State in Vanadium: the Eliashberg Equations and Semi-analytical Formulas. Journal of Superconductivity and Novel Magnetism, 2018, 31, 1029-1034.	1.8	6
12	Enhancement of the entanglement generation via randomly perturbed series of external pulses in a nonlinear Bose-Hubbard dimer. Nonlinear Dynamics, 2019, 97, 1619-1633.	5.2	6
13	Mixedness, Coherence and Entanglement in a Family of Three-Qubit States. Entropy, 2022, 24, 324.	2.2	6
14	Generation of Squeezed States in a System of Nonlinear Quantum Oscillator as an Indicator of the Quantum-Chaotic Dynamics. Acta Physica Polonica A, 2019, 135, 270-272.	0.5	5
15	Quantum steering in an asymmetric chain of nonlinear oscillators. Photonics Letters of Poland, 2017, 9, 97.	0.4	5
16	The Entanglement Generation in χ -Symmetric Optical Quadrimer System. Symmetry, 2019, 11, 1110.	2.2	4
17	Quantum Steering in Two- and Three-Mode χ -Symmetric Systems. Symmetry, 2021, 13, 2201.	2.2	4
18	Quantum Chaos for Nonlinear Kerr-Like Oscillator. European Physical Journal A, 2005, 23, 61-66.	0.2	3

#	ARTICLE	IF	CITATIONS
19	Violation of Leggett's Inequalities in a Kerr-Type Chaotic System. <i>Photonics</i> , 2021, 8, 20.	2.0	3
20	The Bipartite and Tripartite Entanglement in PT-Symmetric System. <i>Symmetry</i> , 2021, 13, 203.	2.2	3
21	Pulsed Nonlinear Coupler as an Effective Tool for the Bell-Like States Generation. <i>Acta Physica Polonica A</i> , 2019, 135, 273-275.	0.5	2
22	Quantum Chaos Systems and Fidelity. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2006, 26, 237-241.	0.4	1
23	Quantum Nonlinear Oscillator, Chaos and Wigner Function. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2006, 26, 243-246.	0.4	1
24	System of nonlinear quantum oscillator and quantum correlations: proposal for quantum chaos indicator. , 2014, , .		1
25	Two proposals of quantum chaos indicators related to the mean number of photons: pulsed Kerr-like oscillator case. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
26	Chaotic evolution of the energy of the electron orbital and the hopping integral in diatomic molecule cations subjected to harmonic excitation. <i>Physica D: Nonlinear Phenomena</i> , 2021, 423, 132929.	2.8	1
27	Three-mode system of nonlinear quantum oscillators and quantum correlations. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
28	Thermodynamic Properties of the Superconducting State in Metallic Hydrogen: Electronic Correlations, Non-conventional Electron-Phonon Couplings and the Anharmonic Effects. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 2281-2291.	1.8	0
29	Projection, Entanglement and Nonlocality of Photon-Number Entangled States Generated in Kerr Media. <i>Acta Physica Polonica A</i> , 2021, 139, 610-612.	0.5	0
30	Quantum Correlations in System of Kerr Nonlinear Coupler. <i>Acta Physica Polonica A</i> , 2021, 139, 532-534.	0.5	0
31	Witnesses of Quantum Chaos and Nonlinear Kerr-Like Oscillator Model. , 0, , .		0
32	Einstein-Podolsky-Rosen steering and squeezing effect in system two coupled nonlinear oscillators. , 2018, , .		0
33	Kerr-type nonlinear quantum oscillator: quantum correlations, chaotic, and regular dynamics. , 2018, , .		0
34	Frequency variations in impulse excitations as a way of entanglement increase in the two-mode Bose-Hubbard model. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 2140.	2.1	0