

Fotue Alain Jerve

List of Publications by Year in descending order

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38
papers

188
citations

1163117

8
h-index

1199594

12
g-index

40
all docs

40
docs citations

40
times ranked

53
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable potentials and decoherence effect on polaron in nanostructures. European Physical Journal Plus, 2016, 131, 1.	2.6	24
2	Effects of Spin Orbit Interaction (SOI) on the Thermodynamic Properties of a Quantum Pseudodot. Journal of Low Temperature Physics, 2021, 204, 206-222.	1.4	18
3	Shannon entropy and decoherence of bound magnetopolaron in a modified cylindrical quantum dot. Modern Physics Letters B, 2015, 29, 1550241.	1.9	16
4	Temperature, impurity and electromagnetic field effects on the transition of a two-level system in a triangular potential. European Physical Journal Plus, 2016, 131, 1.	2.6	11
5	Cumulative effects of magnetic field and spin-orbit interaction (SOI) on excited binding energy of magnetopolaron in RbCl semi-exponential quantum well. European Physical Journal Plus, 2021, 136, 1.	2.6	11
6	The effect of electromagnetic field and Coulomb impurity on polaron in RbCl triangular quantum dot qubit. Indian Journal of Physics, 2016, 90, 1049-1054.	1.8	10
7	Lifetime and dynamics of polaron and bipolaron in graphene nanoribbon under laser. European Physical Journal Plus, 2020, 135, 1.	2.6	10
8	Effect of Bound Polaron and Electromagnetic Field on Thermodynamic Properties of GaAs Quadratic Quantum Dot. Journal of Low Temperature Physics, 2021, 203, 112-126.	1.4	10
9	Spin-orbit interaction on the thermodynamics of three-dimensional impurity magnetopolaron under strong parabolic potential. European Physical Journal Plus, 2020, 135, 1.	2.6	8
10	Thermodynamic properties of electron-phonon in a GaAs quadratic quantum dot potential in the presence of impurity and external fields. European Physical Journal Plus, 2022, 137, .	2.6	8
11	Polaron in an Asymmetric Cylindrical Quantum Dot Qubit under an Electromagnetic Field. Iranian Journal of Science and Technology, Transaction A: Science, 2018, 42, 933-939.	1.5	7
12	Thermodynamic Properties and Optical Absorption of Polaron in Monolayer Graphene Under Laser Field. Journal of Low Temperature Physics, 2021, 203, 327-344.	1.4	6
13	Cumulative Effects of Laser and Spin-Orbit Interaction (SOI) on the Thermal Properties of Quantum Pseudo-dot. Journal of Low Temperature Physics, 2022, 206, 63-79.	1.4	6
14	Quantum transition and decoherence of levitating polaron on helium film thickness under an electromagnetic field. Indian Journal of Physics, 2017, 91, 1525-1531.	1.8	5
15	Optical Absorption and Tsallis Entropy of Polaron in Monolayer Graphene. Journal of Low Temperature Physics, 2020, 200, 173-186.	1.4	5
16	Radiation dose evaluation of pediatric patients in CT brain examination: multi-center study. Scientific Reports, 2021, 11, 4663.	3.3	5
17	Electric and magnetic optical polaron in quantum dot-Part 1: strong coupling. Journal of Semiconductors, 2015, 36, 072001.	3.7	3
18	Application of entropies to the study of the decoherence of magnetopolaron in 0-D nanosystem. Optical and Quantum Electronics, 2018, 50, 1.	3.3	3

#	ARTICLE	IF	CITATIONS
19	Laser control of polariton using Landau-Zener-Stückelberg interferometry theory. European Physical Journal Plus, 2020, 135, 1.	2.6	3
20	Modulation of the spin-orbit interaction and the transition probability of polaron in disk quantum dot under electromagnetic field. European Physical Journal Plus, 2020, 135, 1.	2.6	3
21	Decoherence of Magneto-Bipolaron with Strong Coupling in a Quantum Dot Qubit Under Applied Electric Field. Journal of Low Temperature Physics, 2021, 205, 11-28.	1.4	3
22	Polaron State Screening by Plasmons in a Spherical Nanocrystal. Journal of Low Temperature Physics, 2008, 152, 71-87.	1.4	2
23	Thermodynamics Properties and Optical Conductivity of Bipolaron in Graphene Nanoribbon Under Laser Irradiation. Journal of Low Temperature Physics, 2021, 203, 204-224.	1.4	2
24	Dynamics of exciton polaron in microtubule. Heliyon, 2022, 8, e08897.	3.2	2
25	Joint entropy and decoherence without dissipation in a driven harmonic oscillator. European Physical Journal Plus, 2016, 131, 1.	2.6	1
26	Gaussian, Shannon, and Tsallis entropies of bound magnetopolaron in Gaussian and asymmetric quantum qubit. Indian Journal of Physics, 2020, 94, 333-340.	1.8	1
27	The Electrical Analogue Computer of Microtubule's Protofilament. Discrete Dynamics in Nature and Society, 2020, 2020, 1-10.	0.9	1
28	Information processing and thermodynamic properties of microtubules. Pramana - Journal of Physics, 2021, 95, 1.	1.8	1
29	Dynamics and Decoherence of Polaron in Monolayer Graphene Under Magnetic Field. Journal of Low Temperature Physics, 2021, 205, 29-44.	1.4	1
30	Electron-phonon coupling contribution on the optical absorption and the dynamic of exciton-polaron in monolayer Transition Metal Dichalcogenides. Optical and Quantum Electronics, 2021, 53, 1.	3.3	1
31	Dynamic behaviour of microtubules around the critical temperature and effect of the electric field produced by these vibrations on its environment. European Physical Journal Plus, 2021, 136, 1.	2.6	1
32	Evaluation of radiotherapy facilities in Cameroon: case of the general hospital of Yaounde; how good are we?. Journal of Radiation Research and Applied Sciences, 2019, 12, 166-176.	1.2	0
33	Stability and decoherence of optical bipolaron in symmetric quantum dot. European Physical Journal Plus, 2020, 135, 1.	2.6	0
34	Study of thermodynamic fluctuations of two-dimensional multiferroic systems using the renormalized Gaussian approach. European Physical Journal Plus, 2021, 136, 1.	2.6	0
35	Optimization of the scan length of head traumas on the pediatric and adult CT scan and proposition of a new acquisition limit. Scientific Reports, 2021, 11, 10958.	3.3	0
36	Probability density of bipolaron in a parabolic potential two-dimensional quantum dot under external magnetic and electric fields. Physica Scripta, 2021, 96, 115308.	2.5	0

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37	Influence of surface parameters and Poisson's ratio on the buckling growth rate of a microtubule system using the modified couple stress theory. <i>Pramana - Journal of Physics</i> , 2022, 96, 1.	1.8	0
38	Impacts of an initial axial force and surface effects on the dynamic characteristics of a bioliquid-filled microtubule in cytosol. <i>Indian Journal of Physics</i> , 0, , .	1.8	0