

# 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	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
2	Influence of surface parameters and Poisson's ratio on the buckling growth rate of a microtubule system using the modified couple stress theory. Pramana - Journal of Physics, 2022, 96, 1.	1.8	0
3	Dynamics of exciton polaron in microtubule. Heliyon, 2022, 8, e08897.	3.2	2
4	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
5	Radiation dose evaluation of pediatric patients in CT brain examination: multi-center study. Scientific Reports, 2021, 11, 4663.	3.3	5
6	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
7	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
8	Information processing and thermodynamic properties of microtubules. Pramana - Journal of Physics, 2021, 95, 1.	1.8	1
9	Study of thermodynamic fluctuations of two-dimensional multiferroic systems using the renormalized Gaussian approach. European Physical Journal Plus, 2021, 136, 1.	2.6	0
10	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
11	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
12	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
13	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
14	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
15	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
16	Dynamics and Decoherence of Polaron in Monolayer Graphene Under Magnetic Field. Journal of Low Temperature Physics, 2021, 205, 29-44.	1.4	1
17	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
18	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

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19	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
20	The Electrical Analogue Computer of Microtubule's Protofilament. Discrete Dynamics in Nature and Society, 2020, 2020, 1-10.	0.9	1
21	Laser control of polariton using Landau-Zener-Stückelberg interferometry theory. European Physical Journal Plus, 2020, 135, 1.	2.6	3
22	Stability and decoherence of optical bipolaron in symmetric quantum dot. European Physical Journal Plus, 2020, 135, 1.	2.6	0
23	Optical Absorption and Tsallis Entropy of Polaron in Monolayer Graphene. Journal of Low Temperature Physics, 2020, 200, 173-186.	1.4	5
24	Lifetime and dynamics of polaron and bipolaron in graphene nanoribbon under laser. European Physical Journal Plus, 2020, 135, 1.	2.6	10
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	Joint entropy and decoherence without dissipation in a driven harmonic oscillator. European Physical Journal Plus, 2016, 131, 1.	2.6	1
33	Tunable potentials and decoherence effect on polaron in nanostructures. European Physical Journal Plus, 2016, 131, 1.	2.6	24
34	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
35	Shannon entropy and decoherence of bound magnetopolaron in a modified cylindrical quantum dot. Modern Physics Letters B, 2015, 29, 1550241.	1.9	16
36	Electric and magnetic optical polaron in quantum dot—Part 1: strong coupling. Journal of Semiconductors, 2015, 36, 072001.	3.7	3

#	ARTICLE	IF	CITATIONS
37	Polaron State Screening by Plasmons in a Spherical Nanocrystal. Journal of Low Temperature Physics, 2008, 152, 71-87.	1.4	2
38	Impacts of an initial axial force and surface effects on the dynamic characteristics of a bioliquid-filled microtubule in cytosol. Indian Journal of Physics, 0, , .	1.8	0