Edgar A Gmez

List of Publications by Year in Descending Order

16 papers	77 citations	5 h-index	8 g-index
16 ext. papers	86 ext. citations	2.3 avg, IF	2.51 L-index

#	Paper	IF	Citations
16	Entanglement generation between two solid-state qubits mediated by microwave photons. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2021**, 388, 127045	2.3	0
15	Formation of spectral triplets induced by parity deformation in a quantum dot–cavity system. *Physica B: Condensed Matter*, **2021**, 604, 412698	2.8	0
14	Magnetic control of biexcitons in a quantum dot-cavity system. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2021**, 409, 127512	2.3	1
13	Dynamic Recognition and Classification of Trajectories in SLRecon Adopted Artificial Intelligence in Kinect. *Communications in Computer and Information Science*, **2021**, 84-96	0.3	
12	The strange attraction phenomenon induced by phonon-mediated off-resonant coupling in a biexciton-cavity system. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126481	2.3	2
11	Pure dephasing vs. Phonon mediated off-resonant coupling in a quantum-dot-cavity system. *Optics Communications*, **2020**, 460, 125115	2	1
10	Transmittance spectrum in a semiconductor-superconductor quasi-periodic Thue-Morse one-dimensional photonic crystal. *Physica C: Superconductivity and Its Applications*, **2020**, 579, 1353768	1.3	3
9	The strange attraction phenomenon in cQED: The intermediate quantum coupling regime. *Optik*, **2019**, 183, 389-394	2.5	2
8	A comparative study on different non-Hermitian approaches for modeling open quantum systems. *Optik*, **2019**, 180, 505-510	2.5	3
7	Explanation of the quantum phenomenon of off-resonant cavity-mode emission. *Physical Review A*, **2018**, 97,	2.6	6
6	A study on the role of the initial conditions and the nonlinear dissipation in the non-Hermitian effective Hamiltonian approach. *Optik*, **2018**, 174, 114-120	2.5	3
5	A comparative study on the reliability of non-Hermitian effective Hamiltonian approach for modeling open quantum systems. *Optik*, **2018**, 171, 413-420	2.5	5
4	Terahertz Frequency Spectroscopy to Determine Cold Shock Protein Stability upon Solvation and Evaporation - A Molecular Dynamics Study. *IEEE Transactions on Terahertz Science and Technology*, **2017**, 7, 131-143	3.4	2
3	Split-operator technique for propagating phase space functions: Exploring chaotic, dissipative and relativistic dynamics. *Computer Physics Communications*, **2014**, 185, 136-143	4.2	7
2	Construction of ray diagrams in geometrical optics: a media-focused approach. *Physics Education*, **2012**, 47, 715-720	0.8	7
1	Bose-Einstein condensates on tilted lattices: Coherent, chaotic, and subdiffusive dynamics. *Physical Review A*, **2010**, 81,	2.6	35