Boris Anghelo RodrÃ-guez

List of Publications by Year
in descending order

35 papers	170 citations	1162367 8 h-index	1199166 12 g-index
37 all docs	37 docs citations	37 times ranked	158 citing authors

#	Article	IF	Citations
1	Elucidating multi-input processing 3-node gene regulatory network topologies capable of generating striped gene expression patterns. PLoS Computational Biology, 2022, 18, e1009704.	1.5	2
2	SIMULATION OF BIOMASS DYNAMICS IN PLANKTON OF A HIGH-ALTITUDE ANDEAN TROPICAL RESERVOIR IN COLOMBIA.. Acta Biologica Colombiana, 2021, 26, 404-413.	0.1	0
3	Theoretical study of optical rectification of a nanostructure inside an ideal photonic crystal cavity. Physica B: Condensed Matter, 2021, 618, 413200.	1.3	0
4	Drawing the complexity of Colombian climate from non-extensive extreme behavior. Physica A: Statistical Mechanics and Its Applications, 2020, 548, 123673.	1.2	2
5	Validation tests for cryo-EM maps using an independent particle set. Journal of Structural Biology: X, 2020, 4, 100032.	0.7	1
6	Quantum correlations from advantageous quasiparticle pictures in a Cavity-QDots System. Optik, 2020, 206, 164310.	1.4	0
7	A time-energy delayed-choice interference experiment for the undergraduate laboratory. European Journal of Physics, 2019, 40, 055401.	0.3	7
8	Multiple-scale analysis of open quantum systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 1698-1710.	0.9	5
9	Theoretical study on optical response in nanostructures in the Bornâ€“Markov regime: The role of spontaneous emission and dephasing. Annals of Physics, 2019, 400, 279-288.	1.0	4
10	Influence of the position of a donor impurity on the second-order nonlinear optical susceptibility in a cylindrical quantum dot. Superlattices and Microstructures, 2018, 113, 550-557.	1.4	14
11	Non-linear optical response of an impurity in a cylindrical quantum dot under the action of a magnetic field. Physica B: Condensed Matter, 2017, 511, 68-73.	1.3	12
12	Dynamics of entanglement and quantum discord in the Tavisâ€“Cummings model. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 125502.	0.6	7
13	Magnetic control of dipolaritons in quantum dots. Journal of Physics Condensed Matter, 2016, 28, 505302.	0.7	2
14	TEORÃA COMPLETAMENTE CUÃNTICA DE LA SUSCEPTIBILIDAD ELÃ‰CTRICA LINEAL. Momento, 2016, , 57.	0.3	1
15	La estaciÃ³n meteorolÃ³gica, el agricultor y la planeaciÃ³n urbana: una reflexiÃ³n para abordar estudios interdisciplinarios del clima. Agua Y Territorio, 2016, , 61-70.	0.2	0
16	Variability of extreme events in the Colombian Pacific and Caribbean catchment basins. Climate Dynamics, 2013, 40, 1985-2003.	1.7	24
17	Density operator of a system pumped with polaritons: a Jaynesâ€“Cummings-like approach. Journal of Physics Condensed Matter, 2011, 23, 025301.	0.7	9
18	Strong coupling of two interacting excitons confined in a nanocavityâ€“quantum dot system. Journal of Physics Condensed Matter, 2011, 23, 265304.	0.7	4

#	Article	IF	Citations
19	A novel cell-coupling leading to nonlocal interactions. Journal of Physics: Conference Series, 2011, 285, 012037.	0.3	0
20	Strong coupling criterion for two interacting excitons in a nanocavity. , 2011, , .		0
21	Efficient calculation of Coulomb matrix elements for bilayers of confined charge carriers with arbitrary spatial separation. Computer Physics Communications, 2010, 181, 1510-1516.	3.0	2
22	Modelos geomÃ©tricos en el estudio de nanotubos de carbono. Tecno LÃ³gicas, 2010, , 167.	0.1	0
23	Characterization of dynamical regimes and entanglement sudden death in a microcavity quantum dot system. Journal of Physics Condensed Matter, 2009, 21, 395603.	0.7	13
24	Coulomb correlations of a few body system of spatially separated charges. Journal of Physics: Conference Series, 2009, 193, 012133.	0.3	0
25	Wigner function and decoherence in a microcavity-Qdot system. Microelectronics Journal, 2008, 39, 1360-1362.	1.1	0
26	Micropillar resonator in a magnetic field: Zero and finite temperature cases. Superlattices and Microstructures, 2008, 43, 500-506.	1.4	2
27	Synchronized chaotic phase masks for encrypting and decrypting images. Optics Communications, 2008, 281, 5750-5755.	1.0	5
28	The electrongfactor of cylindrical GaAsâ€“Ga1â^'xAlxAs quantum well wires under magnetic fields applied along the wire axis. Journal of Physics Condensed Matter, 2008, 20, 175204.	0.7	13
29	Quantum dot dipole orientation and excitation efficiency of micropillar modes. Optics Express, 2008, 16, 19201.	1.7	9
30	Photon Emission as a Source of Coherent Behavior of Polaritons. Physical Review Letters, 2007, 98, 167405.	2.9	10
31	A multiexcitonic quantum dot in an optical microcavity. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 35, 99-102.	1.3	9
32	Effects of Coulomb interactions on the splitting of luminescence lines. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 27, 129-139.	1.3	1
33	Mean-field dynamics of a quantum dot-microcavity system. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 27, 427-438.	1.3	2
34	Spin polarization and magnetoluminescence of confined electron-hole systems. Physical Review B, 2001, 63, .	1.1	3
35	CROSSOVER BETWEEN THE ELECTRONâ€“HOLE PHASE AND THE BCS EXCITONIC PHASE IN QUANTUM DOTS. International Journal of Modern Physics B, 2000, 14, 71-83.	1.0	7