Enrique LÃ³pez-Moreno

List of Publications by Year
in descending order

22 papers	317 citations	1163117 8 h-index	839539 18 g-index
22 all docs	22 docs citations	22 times ranked	209 citing authors

#	Article	IF	Citations
1	Shapes and stability within the interacting boson model: Dynamical symmetries. Physical Review C, 1996, 54, 2374-2384.	2.9	84
2	Classical and quantum phase transitions in the Lipkin-Meshkov-Glick model. Physical Review B, 2006, 74, .	3.2	83
3	Coherent state description of the ground state in the Tavisâ€“Cummings model and its quantum phase transitions. Physica Scripta, 2009, 79, 065405.	2.5	34
4	Phase transitions and accidental degeneracy in nonlinear spin systems. Physical Review B, 2005, 72, .	3.2	26
5	New perspectives for direct PDMS microfabrication using a CD-DVD laser. Lab on A Chip, 2013, 13, 4848.	6.0	24
6	Kerr Black Holes within a Modified Theory of Gravity. Universe, 2019, 5, 191.	2.5	13
7	The Hongâ€“Ouâ€“Mandel interferometer in the undergraduate laboratory. European Journal of Physics, 2012, 33, 1843-1850.	0.6	10
8	Utilization of a digital-versatile-disc pickup head for benchtop laser microfabrication. Applied Optics, 2012, 51, 1171.	1.8	8
9	Rapid fabrication of on-demand high-resolution optical masks with a CDâ€“DVD pickup unit. Applied Optics, 2014, 53, 1802.	1.8	8
10	Energy level structure and quantum phase transitions of spin systems with nonaxially symmetric Hamiltonians. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 475301.	2.1	7
11	Quantum Phase Transitions within the Semimicroscopic Algebraic Cluster Model. Nuclear Physics A, 2019, 992, 121629.	1.5	6
12	Quantum phase transitions within a nuclear cluster model and an effective model of QCD. Nuclear Physics A, 2021, 1016, 122335.	1.5	5
13	Reggeâ€“Wheeler and Zerilli equations within a modified theory of general relativity. Astronomische Nachrichten, 2019, 340, 89-94.	1.2	3
14	Non-radiative energy transfer between impurity ions in crystals: configuration mixing. Optical Materials, 1999, 12, 65-73.	3.6	1
15	Coherent qubits stability and quantum phase transitions in the Lipkinâ€“Meshkovâ€“Glick model. Quantum Studies: Mathematics and Foundations, 2014, 1, 203-211.	0.9	1
16	Comparison of the predictions of the pseudocomplex general relativity to the observations of the Event Horizon Telescope collaboration. Astronomische Nachrichten, 2019, 340, 1001-1007.	1.2	1
17	Quantum Chaos in Time Series of Single Photons as a Superposition of Wave and Particle States. Photonics, 2021, 8, 326.	2.0	1
18	Nuclear energy level complexity: Fano factor signature of chaotic behavior of nearest-neighbor time-series analysis. Physical Review C, 2020, 102, .	2.9	1

#	Article	IF	Citations
19	Stability considerations of a Schwarzschild black hole with an dependent massâ€function. Astronomische Nachrichten, 0, , .	1.2	1
20	Teaching quantum mechanics with the Hong-Ou-Mandel interferometer. , 2014, , .		0
21	Results on quantum phase transitions within the semimicroscopic algebraic cluster model and extension to deformed clusters. Journal of Physics: Conference Series, 2020, 1610, 012006.	0.4	0
22	Axial ringâ€down modes in general relativity and in its pseudoâ€complex extension. Astronomische Nachrichten, 2021, 342, 135-141.	1.2	0