

Leonardo A PachÃ³n

List of Publications by Year in descending order

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36
papers

884
citations

516710

16
h-index

454955

30
g-index

37
all docs

37
docs citations

37
times ranked

858
citing authors

#	ARTICLE	IF	CITATIONS
1	Bringing Entanglement to the High Temperature Limit. <i>Physical Review Letters</i> , 2010, 105, 180501.	7.8	137
2	Computational methodologies and physical insights into electronic energy transfer in photosynthetic light-harvesting complexes. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 10094.	2.8	85
3	Physical Basis for Long-Lived Electronic Coherence in Photosynthetic Light-Harvesting Systems. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2728-2732.	4.6	82
4	Incoherent excitation of thermally equilibrated open quantum systems. <i>Physical Review A</i> , 2013, 87, .	2.5	44
5	Quantum Nonlinear Optics with Polar J-Aggregates in Microcavities. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3708-3715.	4.6	34
6	Realistic exact solution for the exterior field of a rotating neutron star. <i>Physical Review D</i> , 2006, 73, .	4.7	33
7	Ultrafast Optimal Sideband Cooling under Non-Markovian Evolution. <i>Physical Review Letters</i> , 2016, 116, 183602.	7.8	33
8	Frame dragging, vorticity and electromagnetic fields in axially symmetric stationary spacetimes. <i>Classical and Quantum Gravity</i> , 2006, 23, 2395-2408.	4.0	31
9	Synchronization in a semiclassical Kuramoto model. <i>Physical Review E</i> , 2014, 90, 052904.	2.1	31
10	Mathematical Aspects of the Periodic Law. <i>Foundations of Chemistry</i> , 2007, 9, 189-214.	1.1	30
11	Chaotic dynamics around astrophysical objects with nonisotropic stresses. <i>Physical Review D</i> , 2007, 75, .	4.7	29
12	Quantum limit for driven linear non-Markovian open-quantum-systems. <i>New Journal of Physics</i> , 2015, 17, 033038.	2.9	28
13	Semiclassical propagation of Wigner functions. <i>Journal of Chemical Physics</i> , 2010, 132, 214102.	3.0	27
14	Open system perspective on incoherent excitation of light-harvesting systems. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 184003.	1.5	25
15	Mechanisms in environmentally assisted one-photon phase control. <i>Journal of Chemical Physics</i> , 2013, 139, 164123.	3.0	24
16	Coherent one-photon phase control in closed and open quantum systems: A general master equation approach. <i>Faraday Discussions</i> , 2013, 163, 485.	3.2	23
17	The exact dynamical Chernâ€“Simons metric for a spinning black hole possesses a fourth constant of motion: a dynamical-systems-based conjecture. <i>Classical and Quantum Gravity</i> , 2018, 35, 165010.	4.0	22
18	Quantum process tomography by 2D fluorescence spectroscopy. <i>Journal of Chemical Physics</i> , 2015, 142, 212442.	3.0	17

#	ARTICLE	IF	CITATIONS
19	Direct experimental determination of spectral densities of molecular complexes. Journal of Chemical Physics, 2014, 141, 174102.	3.0	16
20	ON THE RELATIVISTIC PRECESSION AND OSCILLATION FREQUENCIES OF TEST PARTICLES AROUND RAPIDLY ROTATING COMPACT STARS. Astrophysical Journal, 2012, 756, 82.	4.5	15
21	Quantum driven dissipative parametric oscillator in a blackbody radiation field. Journal of Mathematical Physics, 2014, 55, .	1.1	15
22	Classical Approach to Multichromophoric Resonance Energy Transfer. Physical Review Letters, 2015, 115, 110402.	7.8	15
23	Nonclassical phase-space trajectories for the damped harmonic quantum oscillator. Chemical Physics, 2010, 375, 209-215.	1.9	13
24	Note on reflection symmetry in stationary axisymmetric electrovacuum spacetimes. Classical and Quantum Gravity, 2006, 23, 3251-3254.	4.0	12
25	Time-Domain Scars: Resolving the Spectral Form Factor in Phase Space. Physical Review Letters, 2009, 102, 150401.	7.8	12
26	Electromagnetically induced frame dragging around astrophysical objects. Physical Review D, 2015, 91, .	4.7	10
27	Influence of non-Markovian dynamics in equilibrium uncertainty-relations. Journal of Chemical Physics, 2019, 150, 034105.	3.0	10
28	Origin of the $1/f^{\pm}$ spectral noise in chaotic and regular quantum systems. Physical Review E, 2018, 98, .	2.1	8
29	The influence of the Lande g -factor in the classical general relativistic description of atomic and subatomic systems. Classical and Quantum Gravity, 2011, 28, 055002.	4.0	7
30	Nonadiabatic sunlight harvesting. Physical Chemistry Chemical Physics, 2020, 22, 12678-12687.	2.8	6
31	Equilibrium stationary coherence in the multilevel spin-boson model. Physical Review A, 2020, 102, .	2.5	4
32	Innermost stable circular orbits and epicyclic frequencies around a magnetized neutron star. Universitas Scientiarum, 2013, 19, .	0.4	3
33	Stealth chaos due to frame-dragging. Classical and Quantum Gravity, 2021, 38, 145013.	4.0	2
34	Gang confrontation: The case of Medellin (Colombia). PLoS ONE, 2019, 14, e0225689.	2.5	1
35	Sustainability of Transient Kinetic Regimes and Origins of Death. Scientific Reports, 2016, 6, 20562.	3.3	0
36	Non-Markovian optimal sideband cooling. AIP Conference Proceedings, 2018, , .	0.4	0