

Armando Relano

List of Publications by Year in descending order

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papers

795
citations

687363

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h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

377
citing authors

#	ARTICLE	IF	CITATIONS
1	Chaos in a deformed Dicke model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 084001.	2.1	9
2	Energy cat states induced by a parity-breaking excited-state quantum phase transition. <i>Physical Review A</i> , 2022, 105, .	2.5	8
3	Exceptional spectral phase in a dissipative collective spin model. <i>Physical Review A</i> , 2022, 106, .	2.5	5
4	Signatures of a critical point in the many-body localization transition. <i>SciPost Physics</i> , 2021, 10, .	4.9	13
5	Constant of Motion Identifying Excited-State Quantum Phases. <i>Physical Review Letters</i> , 2021, 127, 130602.	7.8	18
6	Long-range level correlations in quantum systems with finite Hilbert space dimension. <i>Physical Review E</i> , 2021, 103, 012208.	2.1	9
7	Thouless energy challenges thermalization on the ergodic side of the many-body localization transition. <i>Physical Review B</i> , 2020, 102, .	3.2	15
8	Fluctuations of work in realistic equilibrium states of quantum systems with conserved quantities. <i>SciPost Physics Proceedings</i> , 2020, , .	0.4	3
9	Origin of the $1/f$ spectral noise in chaotic and regular quantum systems. <i>Physical Review E</i> , 2018, 98, .	2.1	8
10	Anomalous Thermalization in Quantum Collective Models. <i>Physical Review Letters</i> , 2018, 121, 030602.	7.8	10
11	Adiabatic invariants for the regular region of the Dicke model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 144002.	2.1	20
12	Excited-state quantum phase transitions in the two-spin elliptic Gaudin model. <i>Physical Review E</i> , 2016, 94, 052110.	2.1	13
13	Irreversible processes without energy dissipation in an isolated Lipkin-Meshkov-Glick model. <i>Physical Review E</i> , 2015, 92, 012101.	2.1	30
14	Excited-state phase transition leading to symmetry-breaking steady states in the Dicke model. <i>Physical Review A</i> , 2013, 87, .	2.5	48
15	Non-thermal excited-state quantum phase transitions. <i>Europhysics Letters</i> , 2013, 104, 50007.	2.0	23
16	Quantum quenches in disordered systems: Approach to thermal equilibrium without a typical relaxation time. <i>Physical Review E</i> , 2012, 85, 050102.	2.1	66
17	Discriminant analysis based on spectral statistics applied to TeV cosmic $\hat{1}^3$ /proton separation. <i>Astroparticle Physics</i> , 2012, 35, 785-791.	4.3	3
18	Many-body quantum chaos: Recent developments and applications to nuclei. <i>Physics Reports</i> , 2011, 499, 103-226.	25.6	131

#	ARTICLE	IF	CITATIONS
19	Thermalization in the two-body random ensemble. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P10028.	2.3	25
20	Spectral statistics applied to TeV cosmic gamma/proton discrimination. Astroparticle Physics, 2010, 33, 206-215.	4.3	2
21	Thermalization in an interacting spin system in the transition from integrability to chaos. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P07016.	2.3	12
22	Chaos-Assisted Tunneling and $\langle \mathcal{M} \rangle$ Fluctuations in the Order-Chaos Transition. Physical Review Letters, 2008, 100, 224101.	7.8	18
23	Principal components analysis of Cerenkov photon distributions from extensive air showers applied to GeV gamma/proton discrimination. Astroparticle Physics, 2006, 26, 50-57.	4.3	3
24	Power spectrum analysis of experimental Sinai quantum billiards. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 358, 251-255.	2.1	33
25	Fluctuations in the Level Density of a Fermi Gas. Physical Review Letters, 2005, 94, 102502.	7.8	9
26	Theoretical Derivation of $1/f$ Noise in Quantum Chaos. Physical Review Letters, 2004, 93, 244101.	7.8	97
27	Application of bidimensional power spectrum properties of extensive air shower particle distributions to gamma/proton discrimination. Astroparticle Physics, 2004, 21, 369-380.	4.3	2
28	Principal Components Analysis of Extensive Air Showers Applied to the Identification of Cosmic TeV Gamma Rays. Astrophysical Journal, Supplement Series, 2004, 155, 167-173.	7.7	3
29	Gamma-hadron discrimination by the multifractal spectrum of $1/f$ density fluctuations in extensive air showers. Astroparticle Physics, 2003, 19, 617-628.	4.3	3
30	Quantum Chaos and $1/f$ Noise. Physical Review Letters, 2002, 89, 244102.	7.8	143