

Armando Relano

List of Publications by Year in descending order

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30
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	Quantum Chaos and $1/f$ Noise. Physical Review Letters, 2002, 89, 244102.	7.8	143
2	Many-body quantum chaos: Recent developments and applications to nuclei. Physics Reports, 2011, 499, 103-226.	25.6	131
3	Theoretical Derivation of $1/f$ Noise in Quantum Chaos. Physical Review Letters, 2004, 93, 244101.	7.8	97
4	Quantum quenches in disordered systems: Approach to thermal equilibrium without a typical relaxation time. Physical Review E, 2012, 85, 050102.	2.1	66
5	Excited-state phase transition leading to symmetry-breaking steady states in the Dicke model. Physical Review A, 2013, 87, .	2.5	48
6	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
7	Chaos-Assisted Tunneling and $\langle \mathcal{M}^2 \rangle$ Fluctuations in the Order-Chaos Transition. Physical Review Letters, 2008, 100, 224101.		
8	Irreversible processes without energy dissipation in an isolated Lipkin-Meshkov-Glick model. Physical Review E, 2015, 92, 012101.	2.1	30
9	Thermalization in the two-body random ensemble. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P10028.	2.3	25
10	Non-thermal excited-state quantum phase transitions. Europhysics Letters, 2013, 104, 50007.	2.0	23
11	Adiabatic invariants for the regular region of the Dicke model. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 144002.	2.1	20
12	Constant of Motion Identifying Excited-State Quantum Phases. Physical Review Letters, 2021, 127, 130602.	7.8	18
13	Thouless energy challenges thermalization on the ergodic side of the many-body localization transition. Physical Review B, 2020, 102, .	3.2	15
14	Excited-state quantum phase transitions in the two-spin elliptic Gaudin model. Physical Review E, 2016, 94, 052110.	2.1	13
15	Signatures of a critical point in the many-body localization transition. SciPost Physics, 2021, 10, .	4.9	13
16	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
17	Anomalous Thermalization in Quantum Collective Models. Physical Review Letters, 2018, 121, 030602.	7.8	10
18	Fluctuations in the Level Density of a Fermi Gas. Physical Review Letters, 2005, 94, 102502.	7.8	9

#	ARTICLE	IF	CITATIONS
19	Long-range level correlations in quantum systems with finite Hilbert space dimension. Physical Review E, 2021, 103, 012208.	2.1	9
20	Chaos in a deformed Dicke model. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 084001.	2.1	9
21	Origin of the $1/f^{\pm}$ spectral noise in chaotic and regular quantum systems. Physical Review E, 2018, 98, .	2.1	8
22	Energy cat states induced by a parity-breaking excited-state quantum phase transition. Physical Review A, 2022, 105, .	2.5	8
23	Exceptional spectral phase in a dissipative collective spin model. Physical Review A, 2022, 106, .	2.5	5
24	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
25	Principal Components Analysis of Extensive Air Showers Applied to the Identification of Cosmic TeV Gammaâ€Rays. Astrophysical Journal, Supplement Series, 2004, 155, 167-173.	7.7	3
26	Principal components analysis of Cerenkov photon distributions from extensive air showers applied to GeV gammaâ€“proton discrimination. Astroparticle Physics, 2006, 26, 50-57.	4.3	3
27	Discriminant analysis based on spectral statistics applied to TeV cosmic $\hat{1}^3$ /proton separation. Astroparticle Physics, 2012, 35, 785-791.	4.3	3
28	Fluctuations of work in realistic equilibrium states of quantum systems with conserved quantities. SciPost Physics Proceedings, 2020, , .	0.4	3
29	Application of bidimensional power spectrum properties of extensive air shower particle distributions to $\hat{1}^3$ â€“proton discrimination. Astroparticle Physics, 2004, 21, 369-380.	4.3	2
30	Spectral statistics applied to TeV cosmic gamma/proton discrimination. Astroparticle Physics, 2010, 33, 206-215.	4.3	2