Antonio Macedo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4560501/publications.pdf

Version: 2024-02-01

63	763	623734	610901
papers	citations	14 h-index	24 g-index

74	74	74	402
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetism and Phase Separation in Polymeric Hubbard Chains. Physical Review Letters, 1995, 74, 1851-1854.	7.8	80
2	Turbulence hierarchy in a random fibre laser. Nature Communications, 2017, 8, 15731.	12.8	59
3	Modelling fatality curves of COVID-19 and the effectiveness of intervention strategies. PeerJ, 2020, 8, e9421.	2.0	49
4	Effects of spin-orbit interactions in disordered conductors: A random-matrix approach. Physical Review B, 1992, 46, 14985-14994.	3.2	37
5	Power law behaviour in the saturation regime of fatality curves of the COVID-19 pandemic. Scientific Reports, 2021, 11, 4619.	3.3	35
6	Universal Parametric Correlations at the Soft Edge of the Spectrum of Random Matrix Ensembles. Europhysics Letters, 1994, 26, 641-646.	2.0	28
7	Complete characterization of universal fluctuations in quasi-one-dimensional mesoscopic conductors. Physical Review Letters, 1993, 71, 3693-3696.	7.8	27
8	Quantum interference correction to the shot-noise power in nonideal chaotic cavities. Physical Review B, 2008, 78, .	3.2	24
9	Random-matrix approach to the quantum-transport theory of disordered conductors. Physical Review B, 1994, 49, 1858-1861.	3.2	23
10	Exact results for the level density and two-point correlation function of the transmission-matrix eigenvalues in quasi-one-dimensional conductors. Physical Review B, 1994, 49, 4695-4702.	3.2	20
11	Standard and Anomalous Waves of COVID-19: A Multiple-Wave Growth Model for Epidemics. Brazilian Journal of Physics, 2021, 51, 1867-1883.	1.4	18
12	Average shot-noise power via a diagrammatic method. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 075101.	2.1	17
13	Transport through quantum dots:â€ƒA supersymmetry approach to transmission eigenvalue statistics. Physical Review B, 1998, 58, R13379-R13382.	3.2	15
14	Circuit theory and full counting statistics of charge transfer through mesoscopic systems: A random-matrix approach. Physical Review B, 2007, 76, .	3.2	15
15	Distribution of charge cumulants of a chaotic quantum dot with nonideal contacts. Physical Review B, 2009, 80, .	3.2	14
16	Tunable crossovers for the quantum interference correction to conductance and shot-noise power in chaotic quantum dots with nonideal contacts. Physical Review B, 2011, 84, .	3.2	14
17	Universality classes of fluctuation dynamics in hierarchical complex systems. Physical Review E, 2017, 95, 032315.	2.1	14
18	Evidence of a Floquet Phase in a Photonic System. Physical Review Letters, 2019, 122, 143903.	7.8	14

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19	Quantum dot to disordered wire crossover: A complete solution in all length scales for systems with unitary symmetry. Physical Review B, 2000, 61, 4453-4456.	3.2	12
20	Metal-insulator transition with infinite-range Coulomb coupling: Fractional statistics and quantum critical properties. Physical Review B, 2000, 61, 7941-7952.	3.2	12
21	Universal transport properties of quantum dots with chiral symmetry. Physical Review B, 2002, 66, .	3.2	12
22	Coexistence of turbulence-like and glassy behaviours in a photonic system. Scientific Reports, 2018, 8, 17046.	3.3	12
23	Formation of Fabry-Perot resonances in double-barrier chaotic billiards. Physical Review E, 2005, 71, 066218.	2.1	11
24	Universal parametric correlations in the transmission eigenvalue spectra of disordered conductors. Physical Review B, 1994, 49, 16841-16844.	3.2	10
25	Transport theory of interacting mesoscopic systems: A memory-function approach to charge-counting statistics. Physical Review B, 2004, 69, .	3.2	10
26	Quantum heat distribution in thermal relaxation processes. Physical Review E, 2019, 99, 022133.	2.1	10
27	Brownian-motion model of parametric correlations in ballistic cavities. Physical Review B, 1996, 53, 8411-8420.	3.2	9
28	Scaling theory of phase-coherent metallic conductors. Physical Review B, 2002, 66, .	3.2	9
29	Diagrammatic analysis of the unitary group for double-barrier ballistic cavities: Equivalence with circuit theory. Physical Review B, 2005, 71, .	3.2	9
30	Multifractal magnetoconductance fluctuations in mesoscopic systems. Physical Review E, 2021, 104, 054129.	2.1	8
31	Universal transport properties of asymmetric chiral quantum dots. Physical Review B, 2008, 77, .	3.2	7
32	Association of scattering matrices in quantum networks. Journal of Computational Physics, 2013, 243, 1-13.	3.8	7
33	Full counting statistics of Andreev reflection: Signatures of a quantum transition. Physical Review B, 2009, 80, .	3.2	6
34	Charge counting statistics and weak localization in a quantum chain. Physical Review B, 2013, 87, .	3.2	6
35	Influence of fifth-order nonlinearities on the statistical fluctuations in emission intensities in a photonic open-cavity complex system. Physical Review A, 2020, 102, .	2.5	6
36	Emergence of skewed non-Gaussian distributions of velocity increments in isotropic turbulence. Physical Review Fluids, 2019, 4, .	2.5	6

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37	A Comparative Analysis between a SIRD Compartmental Model and the Richards Growth Model. Trends in Computational and Applied Mathematics, 2021, 22, 545-557.	0.2	6
38	ParametricS-matrix fluctuations in the quantum theory of chaotic scattering. Physical Review E, 1994, 50, R659-R662.	2.1	5
39	Average conductance coefficients in multiterminal chaotic cavities. Physical Review B, 2001, 63, .	3.2	5
40	Nonanalytic scaling of conductance cumulants in dirty superconducting wires. Physical Review B, 2002, 65, .	3.2	5
41	Universal Fano factor and anomalouslâˆ'Vcharacteristics in weakly interacting quantum dots. Physical Review B, 2005, 72, .	3.2	5
42	Entanglement patterns and pure quantum correlations in the HeisenbergXYmodel. Physical Review A, 2009, 79, .	2.5	5
43	Turbulence Hierarchy and Multifractality in the Integer Quantum Hall Transition. Physical Review Letters, 2022, 128, .	7.8	5
44	Tuning quantum corrections to the conductance in Andreev quantum dots. Physical Review B, 2010, 82, .	3.2	4
45	Maximum entropy approach toH-theory: Statistical mechanics of hierarchical systems. Physical Review E, 2018, 97, 022104.	2.1	4
46	Turbulent Intermittency in a Random Fiber Laser. Atoms, 2019, 7, 43.	1.6	4
47	Exact Two-Point Length Correlator of Quasi-One-Dimensional Disordered Metals. Physical Review Letters, 1997, 79, 5098-5101.	7.8	3
48	Intensity distribution in random lasers: comparison between a stochastic differential model of interacting modes and random phase sum-based models. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2391.	2.1	3
49	Brownian-motion ensembles: correlation functions of determinantal processes. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 015004.	2.1	2
50	Statistics of charge and phase in a ballistic chaotic cavity. Physical Review B, 2008, 78, .	3.2	2
51	A hypergeometric generating function approach to charge counting statistics in ballistic chaotic cavities. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 105102.	2.1	2
52	Counting statistics and an anomalous metallic phase in a network of quantum dots. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 235101.	2.1	2
53	Heat Transport and Majorana Fermions in a Superconducting Dot-Wire System: An Exact Solution. Advances in Mathematical Physics, 2018, 2018, 1-11.	0.8	2
54	Situation of COVID-19 in Brazil in August 2020: An Analysis via Growth Models as Implemented in the ModInterv System for Monitoring the Pandemic. Journal of Control, Automation and Electrical Systems, 2022, 33, 645-663.	2.0	2

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55	Intensity <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi>g</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mo> correlations in random fiber lasers: A random-matrix-theory approach. Physical Review A, 2022, 105, .		2
56	BrÃ©zin-Zee dynamical correlator: An S-matrix Brownian motion approach. Physical Review E, 1997, 55, 1457-1462.	2.1	1
57	Probability distributions of transport observables in quantum dots: crossover between universal ensembles. Physica A: Statistical Mechanics and Its Applications, 2004, 344, 677-684.	2.6	1
58	Stub model for charge transport through a quantum dot connected to noncollinear ferromagnets. Physical Review B, 2010, 81, .	3.2	1
59	Quantum transport: A unified approach via a multivariate hypergeometric generating function. International Journal of Modern Physics B, 2014, 28, 1450178.	2.0	1
60	Intensity correlations in electronic-wave propagation in a disordered medium: The influence of spin-orbit scattering. Physical Review B, 1994, 49, 11736-11741.	3.2	0
61	Transport observables for a FNF mesoscopic system in the extreme quantum limit regime. Journal of Physics: Conference Series, 2010, 200, 052027.	0.4	0
62	Strong and weak localization in a ballistic quantum chain. Physica Scripta, 2015, T165, 014016.	2.5	0
63	Scaling theory for anomalous semiclassical quantum transport. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 045101.	2.1	0