Antonio Macedo

List of Publications by Year
in descending order

63 papers	763 citations	623734 14 h-index	610901 24 g-index
74 all docs	74 docs citations	74 times ranked	402 citing authors

#	Article	IF	Citations
1	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
2	Intensity $g^{(2)}(x)$ correlations in random fiber lasers: A random-matrix-theory approach. Physical Review A, 2022, 105, .		2
3	Turbulence Hierarchy and Multifractality in the Integer Quantum Hall Transition. Physical Review Letters, 2022, 128, .	7.8	5
4	Power law behaviour in the saturation regime of fatality curves of the COVID-19 pandemic. Scientific Reports, 2021, 11, 4619.	3.3	35
5	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
6	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
7	Multifractal magnetoconductance fluctuations in mesoscopic systems. Physical Review E, 2021, 104, 054129.	2.1	8
8	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
9	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
10	Modelling fatality curves of COVID-19 and the effectiveness of intervention strategies. PeerJ, 2020, 8, e9421.	2.0	49
11	Turbulent Intermittency in a Random Fiber Laser. Atoms, 2019, 7, 43.	1.6	4
12	Evidence of a Floquet Phase in a Photonic System. Physical Review Letters, 2019, 122, 143903.	7.8	14
13	Quantum heat distribution in thermal relaxation processes. Physical Review E, 2019, 99, 022133.	2.1	10
14	Emergence of skewed non-Gaussian distributions of velocity increments in isotropic turbulence. Physical Review Fluids, 2019, 4, .	2.5	6
15	Maximum entropy approach to H-theory: Statistical mechanics of hierarchical systems. Physical Review E, 2018, 97, 022104.	2.1	4
16	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
17	Coexistence of turbulence-like and glassy behaviours in a photonic system. Scientific Reports, 2018, 8, 17046.	3.3	12
18	Turbulence hierarchy in a random fibre laser. Nature Communications, 2017, 8, 15731.	12.8	59

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19	Universality classes of fluctuation dynamics in hierarchical complex systems. Physical Review E, 2017, 95, 032315.	2.1	14
20	Scaling theory for anomalous semiclassical quantum transport. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 045101.	2.1	0
21	Strong and weak localization in a ballistic quantum chain. Physica Scripta, 2015, T165, 014016.	2.5	0
22	Quantum transport: A unified approach via a multivariate hypergeometric generating function. International Journal of Modern Physics B, 2014, 28, 1450178.	2.0	1
23	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
24	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
25	Charge counting statistics and weak localization in a quantum chain. Physical Review B, 2013, 87, .	3.2	6
26	Association of scattering matrices in quantum networks. Journal of Computational Physics, 2013, 243, 1-13.	3.8	7
27	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
28	Transport observables for a FNF mesoscopic system in the extreme quantum limit regime. Journal of Physics: Conference Series, 2010, 200, 052027.	0.4	0
29	Tuning quantum corrections to the conductance in Andreev quantum dots. Physical Review B, 2010, 82, .	3.2	4
30	Stub model for charge transport through a quantum dot connected to noncollinear ferromagnets. Physical Review B, 2010, 81, .	3.2	1
31	Average shot-noise power via a diagrammatic method. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 075101.	2.1	17
32	Full counting statistics of Andreev reflection: Signatures of a quantum transition. Physical Review B, 2009, 80, .	3.2	6
33	Distribution of charge cumulants of a chaotic quantum dot with nonideal contacts. Physical Review B, 2009, 80, .	3.2	14
34	Entanglement patterns and pure quantum correlations in the HeisenbergXYmodel. Physical Review A, 2009, 79, .	2.5	5
35	Brownian-motion ensembles: correlation functions of determinantal processes. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 015004.	2.1	2
36	Universal transport properties of asymmetric chiral quantum dots. Physical Review B, 2008, 77, .	3.2	7

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37	Statistics of charge and phase in a ballistic chaotic cavity. Physical Review B, 2008, 78, .	3.2	2
38	Quantum interference correction to the shot-noise power in nonideal chaotic cavities. Physical Review B, 2008, 78, .	3.2	24
39	Circuit theory and full counting statistics of charge transfer through mesoscopic systems: A random-matrix approach. Physical Review B, 2007, 76, .	3.2	15
40	Universal Fano factor and anomalous Iâ€“V characteristics in weakly interacting quantum dots. Physical Review B, 2005, 72, .	3.2	5
41	Formation of Fabry-Perot resonances in double-barrier chaotic billiards. Physical Review E, 2005, 71, 066218.	2.1	11
42	Diagrammatic analysis of the unitary group for double-barrier ballistic cavities: Equivalence with circuit theory. Physical Review B, 2005, 71, .	3.2	9
43	Transport theory of interacting mesoscopic systems: A memory-function approach to charge-counting statistics. Physical Review B, 2004, 69, .	3.2	10
44	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
45	Nonanalytic scaling of conductance cumulants in dirty superconducting wires. Physical Review B, 2002, 65, .	3.2	5
46	Scaling theory of phase-coherent metallic conductors. Physical Review B, 2002, 66, .	3.2	9
47	Universal transport properties of quantum dots with chiral symmetry. Physical Review B, 2002, 66, .	3.2	12
48	Average conductance coefficients in multiterminal chaotic cavities. Physical Review B, 2001, 63, .	3.2	5
49	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
50	Metal-insulator transition with infinite-range Coulomb coupling: Fractional statistics and quantum critical properties. Physical Review B, 2000, 61, 7941-7952.	3.2	12
51	Transport through quantum dots:â€‰A supersymmetry approach to transmission eigenvalue statistics. Physical Review B, 1998, 58, R13379-R13382.	3.2	15
52	BrÃ©zin-Zee dynamical correlator: An S-matrix Brownian motion approach. Physical Review E, 1997, 55, 1457-1462.	2.1	1
53	Exact Two-Point Length Correlator of Quasi-One-Dimensional Disordered Metals. Physical Review Letters, 1997, 79, 5098-5101.	7.8	3
54	Brownian-motion model of parametric correlations in ballistic cavities. Physical Review B, 1996, 53, 8411-8420.	3.2	9

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55	Magnetism and Phase Separation in Polymeric Hubbard Chains. Physical Review Letters, 1995, 74, 1851-1854.	7.8	80
56	Universal Parametric Correlations at the Soft Edge of the Spectrum of Random Matrix Ensembles. Europhysics Letters, 1994, 26, 641-646.	2.0	28
57	Universal parametric correlations in the transmission eigenvalue spectra of disordered conductors. Physical Review B, 1994, 49, 16841-16844.	3.2	10
58	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
59	Random-matrix approach to the quantum-transport theory of disordered conductors. Physical Review B, 1994, 49, 1858-1861.	3.2	23
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	ParametricS-matrix fluctuations in the quantum theory of chaotic scattering. Physical Review E, 1994, 50, R659-R662.	2.1	5
62	Complete characterization of universal fluctuations in quasi-one-dimensional mesoscopic conductors. Physical Review Letters, 1993, 71, 3693-3696.	7.8	27
63	Effects of spin-orbit interactions in disordered conductors: A random-matrix approach. Physical Review B, 1992, 46, 14985-14994.	3.2	37