

Antonio C Seridonio

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

404
citations

12
h-index

18
g-index

53
ext. papers

535
ext. citations

3
avg, IF

3.83
L-index

#	Paper	IF	Citations
46	Accessing the degree of Majorana nonlocality in a quantum dot-optical microcavity system.. <i>Scientific Reports</i> , 2022 , 12, 1983	4.9	1
45	Elastocaloric-effect-induced adiabatic magnetization in paramagnetic salts due to the mutual interactions. <i>Scientific Reports</i> , 2021 , 11, 9431	4.9	
44	Epidemics, the Ising-model and percolation theory: A comprehensive review focused on Covid-19. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021 , 573, 125963	3.3	13
43	Topological isoconductance signatures in Majorana nanowires. <i>Scientific Reports</i> , 2021 , 11, 17310	4.9	3
42	Giant caloric effects close to any critical end point. <i>Materials Research Bulletin</i> , 2021 , 142, 111413	5.1	3
41	Griffiths-like phase close to the Mott transition. <i>Journal of Applied Physics</i> , 2020 , 128, 225102	2.5	4
40	Unveiling the Physics of the Mutual Interactions in Paramagnets. <i>Scientific Reports</i> , 2020 , 10, 7981	4.9	2
39	Interaction induced hybridization of Majorana zero modes in a coupled quantum-dot-superconducting-nanowire hybrid system. <i>Physical Review B</i> , 2020 , 102,	3.3	6
38	Majorana molecules and their spectral fingerprints. <i>Physical Review B</i> , 2020 , 102,	3.3	3
37	Magnetic Grüneisen parameter for model systems. <i>Physical Review B</i> , 2019 , 100,	3.3	7
36	Chiral magnetic chemical bonds in molecular states of impurities in Weyl semimetals. <i>Scientific Reports</i> , 2019 , 9, 8452	4.9	2
35	Spin-dependent zero-bias peak in a hybrid nanowire-quantum dot system: Distinguishing isolated Majorana fermions from Andreev bound states. <i>Physical Review B</i> , 2019 , 99,	3.3	31
34	Tuning of heat and charge transport by Majorana fermions. <i>Scientific Reports</i> , 2018 , 8, 2790	4.9	15
33	Majorana oscillations modulated by Fano interference and degree of nonlocality in a topological superconducting-nanowire-quantum-dot system. <i>Physical Review B</i> , 2018 , 98,	3.3	18
32	Resonant electron tunneling spectroscopy of antibonding states in a Dirac semimetal. <i>Physical Review B</i> , 2018 , 97,	3.3	1
31	Isolating Majorana fermions with finite Kitaev nanowires and temperature: Universality of the zero-bias conductance. <i>Physical Review B</i> , 2017 , 96,	3.3	5
30	Encrypting Majorana fermion qubits as bound states in the continuum. <i>Physical Review B</i> , 2017 , 96,	3.3	14

29	Antibonding ground state of adatom molecules in bulk Dirac semimetals. <i>Physical Review B</i> , 2017 , 96,	3.3	3
28	Unveiling Majorana quasiparticles by a quantum phase transition: Proposal of a current switch. <i>Physical Review B</i> , 2016 , 94,	3.3	11
27	Decay of bound states in the continuum of Majorana fermions induced by vacuum fluctuations: Proposal of qubit technology. <i>Physical Review B</i> , 2016 , 93,	3.3	13
26	Realization of anomalous multiferroicity in free-standing graphene with magnetic adatoms. <i>Physical Review B</i> , 2016 , 94,	3.3	2
25	Effect of interdots electronic repulsion in the Majorana signature for a double dot interferometer. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 78, 25-30	3	3
24	Specific Heat Anomalies in Solids Described by a Multilevel Model. <i>Brazilian Journal of Physics</i> , 2016 , 46, 206-212	1.2	3
23	Fano fingerprints of Majoranas in Kitaev dimers of superconducting adatoms. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 83, 297-305	3	2
22	Grüneisen parameter for gases and superfluid helium. <i>European Journal of Physics</i> , 2016 , 37, 055105	0.8	10
21	Catching the bound states in the continuum of a phantom atom in graphene. <i>Physical Review B</i> , 2015 , 92,	3.3	11
20	Quantum phase transition triggering magnetic bound states in the continuum in graphene. <i>Physical Review B</i> , 2015 , 92,	3.3	8
19	Probing the antisymmetric Fano interference assisted by a Majorana fermion. <i>Journal of Applied Physics</i> , 2014 , 116, 173701	2.5	14
18	Subtle leakage of a Majorana mode into a quantum dot. <i>Physical Review B</i> , 2014 , 89,	3.3	111
17	Effect of inter-adatoms correlations on the local density of states of graphene. <i>Europhysics Letters</i> , 2014 , 108, 47006	1.6	
16	Fano interference and a slight fluctuation of the Majorana hallmark. <i>Journal of Applied Physics</i> , 2014 , 115, 063706	2.5	9
15	Spin-Resolved Local Density of States for an Anderson Adatom in a Ferromagnetic Island. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 2197-2200	1.5	
14	Graphene sheet versus two-dimensional electron gas: A relativistic Fano spin filter via STM and AFM tips. <i>Physical Review B</i> , 2013 , 88,	3.3	3
13	Heat Transfer and Magnetovortical Antiresonance of a Ferrofluid with a Rotating Magnetic Field. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 2333-2335	1.5	
12	Non-Zeeman splitting for a spin-resolved STM with a Kondo adatom in a spin-polarized two-dimensional electron gas. <i>Physical Review B</i> , 2012 , 85,	3.3	2

11	Scanning tunneling microscope operating as a spin diode. <i>Physical Review B</i> , 2011 , 84,	3.3	4
10	Universal conductance for the Anderson model. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 052020	0.3	0
9	Molecular electronic device based on pH indicator by ab initio and non-equilibrium Green function methodology. <i>Solid-State Electronics</i> , 2010 , 54, 1613-1616	1.7	3
8	Spin-Resolved STM for a Kondo Impurity. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010 , 23, 149-152	1.5	
7	Universal zero-bias conductance for the single-electron transistor. <i>Physical Review B</i> , 2009 , 80,	3.3	21
6	Universal zero-bias conductance through a quantum wire side-coupled to a quantum dot. <i>Physical Review B</i> , 2009 , 80,	3.3	12
5	Spin-polarized STM for a Kondo adatom. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 095003	1.8	12
4	Fano-Kondo spin filter. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009 , 41, 1611-1615	3	4
3	Thermal dependence of the zero-bias conductance through a nanostructure. <i>Europhysics Letters</i> , 2009 , 86, 67006	1.6	12
2	Fractional quantization of ballistic conductance in 1D electron and hole systems. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 164214	1.8	2
1	Asymmetrical penetration of microwave in a conducting media and determination of microwave conductivity for very thin samples using electron spin resonance. <i>Journal of Physics and Chemistry of Solids</i> , 2001 , 62, 841-845	3.9	