

Antonio C Seridonio

List of Publications by Year in descending order

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53
papers

624
citations

623699

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610883

24
g-index

53
all docs

53
docs citations

53
times ranked

347
citing authors

#	ARTICLE	IF	CITATIONS
1	Subtle leakage of a Majorana mode into a quantum dot. <i>Physical Review B</i> , 2014, 89, .	3.2	147
2	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, .	3.2	58
3	Majorana oscillations modulated by Fano interference and degree of nonlocality in a topological superconducting-nanowireâ€“quantum-dot system. <i>Physical Review B</i> , 2018, 98, .	3.2	32
4	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.	2.6	31
5	Universal zero-bias conductance for the single-electron transistor. <i>Physical Review B</i> , 2009, 80, .	3.2	27
6	Tuning of heat and charge transport by Majorana fermions. <i>Scientific Reports</i> , 2018, 8, 2790.	3.3	24
7	Probing the antisymmetric Fano interference assisted by a Majorana fermion. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	19
8	Thermal dependence of the zero-bias conductance through a nanostructure. <i>Europhysics Letters</i> , 2009, 86, 67006.	2.0	18
9	GrÃ¼neisen parameter for gases and superfluid helium. <i>European Journal of Physics</i> , 2016, 37, 055105.	0.6	17
10	Encrypting Majorana fermion qubits as bound states in the continuum. <i>Physical Review B</i> , 2017, 96, .	3.2	17
11	Universal zero-bias conductance through a quantum wire side-coupled to a quantum dot. <i>Physical Review B</i> , 2009, 80, .	3.2	16
12	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, .	3.2	15
13	Interaction induced hybridization of Majorana zero modes in a coupled quantum-dotâ€“superconducting-nanowire hybrid system. <i>Physical Review B</i> , 2020, 102, .	3.2	15
14	Spin-polarized STM for a Kondo adatom. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 095003.	1.8	14
15	Griffiths-like phase close to the Mott transition. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	13
16	Unveiling Majorana quasiparticles by a quantum phase transition: Proposal of a current switch. <i>Physical Review B</i> , 2016, 94, .	3.2	12
17	Catching the bound states in the continuum of a phantom atom in graphene. <i>Physical Review B</i> , 2015, 92, .	3.2	11
18	Specific Heat Anomalies in Solids Described by a Multilevel Model. <i>Brazilian Journal of Physics</i> , 2016, 46, 206-212.	1.4	10

#	ARTICLE	IF	CITATIONS
19	Topological isoconductance signatures in Majorana nanowires. <i>Scientific Reports</i> , 2021, 11, 17310.	3.3	10
20	Fano interference and a slight fluctuation of the Majorana hallmark. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	9
21	Magnetic GrÃ¼neisen parameter for model systems. <i>Physical Review B</i> , 2019, 100, .	3.2	9
22	Quantum phase transition triggering magnetic bound states in the continuum in graphene. <i>Physical Review B</i> , 2015, 92, .	3.2	8
23	Majorana molecules and their spectral fingerprints. <i>Physical Review B</i> , 2020, 102, .	3.2	8
24	Accessing the degree of Majorana nonlocality in a quantum dot-optical microcavity system. <i>Scientific Reports</i> , 2022, 12, 1983.	3.3	8
25	Isolating Majorana fermions with finite Kitaev nanowires and temperature: Universality of the zero-bias conductance. <i>Physical Review B</i> , 2017, 96, .	3.2	7
26	Giant caloric effects close to any critical end point. <i>Materials Research Bulletin</i> , 2021, 142, 111413.	5.2	7
27	Fano Kondo spin filter. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 1611-1615.	2.7	6
28	Antibonding ground state of adatom molecules in bulk Dirac semimetals. <i>Physical Review B</i> , 2017, 96, .	3.2	6
29	Chiral magnetic chemical bonds in molecular states of impurities in Weyl semimetals. <i>Scientific Reports</i> , 2019, 9, 8452.	3.3	6
30	Scanning tunneling microscope operating as a spin diode. <i>Physical Review B</i> , 2011, 84, .	3.2	5
31	Unveiling the Physics of the Mutual Interactions in Paramagnets. <i>Scientific Reports</i> , 2020, 10, 7981.	3.3	5
32	Graphene sheet versus two-dimensional electron gas: A relativistic Fano spin filter via STM and AFM tips. <i>Physical Review B</i> , 2013, 88, .	3.2	4
33	Fractional quantization of ballistic conductance in 1D electron and hole systems. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 164214.	1.8	3
34	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.	1.4	3
35	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, .	3.2	3
36	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.	2.7	3

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37	Atomic frustrated impurity states in Weyl metals. <i>Physical Review B</i> , 2020, 102, .	3.2	3
38	Elastocaloric-effect-induced adiabatic magnetization in paramagnetic salts due to the mutual interactions. <i>Scientific Reports</i> , 2021, 11, 9431.	3.3	3
39	Universal conductance for the Anderson model. <i>Journal of Physics: Conference Series</i> , 2010, 200, 052020.	0.4	2
40	Fano fingerprints of Majoranas in Kitaev dimers of superconducting adatoms. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 83, 297-305.	2.7	2
41	Realization of anomalous multiferroicity in free-standing graphene with magnetic adatoms. <i>Physical Review B</i> , 2016, 94, .	3.2	2
42	Spin-polarized Majorana zero modes in double zigzag honeycomb nanoribbons. <i>Physical Review B</i> , 2022, 105, .	3.2	2
43	Effect of inter-adatoms correlations on the local density of states of graphene. <i>Europhysics Letters</i> , 2014, 108, 47006.	2.0	1
44	Resonant electron tunneling spectroscopy of antibonding states in a Dirac semimetal. <i>Physical Review B</i> , 2018, 97, .	3.2	1
45	STM probing of local oscillations of the Fano-Kondo effect: a Doniach-Sunjić approach for the Kondo peak. <i>Brazilian Journal of Physics</i> , 2009, 39, .	1.4	1
46	Topological charge Fano effect in multi-Weyl semimetals. <i>Physical Review B</i> , 2022, 105, .	3.2	1
47	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.	4.0	0
48	Spin-Resolved STM for a Kondo Impurity. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010, 23, 149-152.	1.8	0
49	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.	1.8	0
50	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.	1.8	0
51	Dimensionality effects in the local density of states of ferromagnetic hosts probed via STM: Spin-polarized quantum beats and spin filtering. <i>Physical Review B</i> , 2013, 87, .	3.2	0
52	Spin-dependent beating patterns in thermoelectric properties: Filtering the carriers of the heat flux in a Kondo adatom system. <i>Physical Review B</i> , 2014, 90, .	3.2	0
53	Atomic frustration-based twistrionics. <i>2D Materials</i> , 0, , .	4.4	0