

Arturo Tagliacozzo

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-orbit coupling and anomalous Josephson effect in nanowires. Journal of Physics Condensed Matter, 2015, 27, 205301.	1.8	67
2	Spin Fractionalization of an Even Number of Electrons in a Quantum Dot. Physical Review Letters, 2000, 84, 4677-4680.	7.8	47
3	Fano versus Kondo Resonances in a Multilevel Semiopen Quantum Dot. Physical Review Letters, 2004, 93, 186805.	7.8	37
4	Spin connection and boundary states in a topological insulator. Physical Review B, 2011, 83, .	3.2	34
5	Electron-phonon interaction on the surface of a three-dimensional topological insulator. Physical Review B, 2013, 88, .	3.2	30
6	Advantages of using high-temperature cuprate superconductor heterostructures in the search for Majorana fermions. Physical Review B, 2012, 86, .	3.2	28
7	Quantum Interference of Electrons in a Ring: Tuning of the Geometrical Phase. Physical Review Letters, 2005, 95, 226803.	7.8	26
8	Quantum rings with Rashba spin-orbit coupling: A path-integral approach. Physical Review B, 2007, 76, .	3.2	19
9	Magnetic-field-induced resonant tunneling across a thick square barrier. Physical Review B, 1991, 43, 2201-2212.	3.2	18
10	Spin Hall effect in a two-dimensional electron gas in the presence of a magnetic field. Physical Review B, 2008, 78, .	3.2	18
11	Rashba control for the spin excitation of a fully spin-polarized vertical quantum dot. Physical Review B, 2005, 71, .	3.2	17
12	Sequential magnetotunneling in a vertical quantum dot tuned at the crossing to higher spin states. Physical Review B, 2000, 61, 10242-10246.	3.2	16
13	Evidence for a Minigap in YBCO Grain Boundary Josephson Junctions. Physical Review Letters, 2010, 105, 147001.	7.8	15
14	Towards a Hybrid High Critical Temperature Superconductor Junction With a Semiconducting InAs Nanowire Barrier. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3429-3437.	1.8	12
15	The electron-phonon interaction at deep Bi ₂ Te ₃ -semiconductor interfaces from Brillouin light scattering. Scientific Reports, 2017, 7, 16449.	3.3	10
16	Tunneling with coupling to surface phonons or surface plasmons. Physica Scripta, 1988, 38, 301-308.	2.5	9
17	Andreev Tunneling into a One-Dimensional Josephson-Junction Array. Europhysics Letters, 1995, 30, 169-174.	2.0	9
18	Addition energies of a quantum dot with harmonic electron-electron interactions. Physical Review B, 1997, 56, R7088-R7091.	3.2	8

#	ARTICLE	IF	CITATIONS
19	Josephson current in a quantum dot in the Kondo regime connected to two superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 406, 1-8.	1.2	8
20	Superconducting critical temperature in the extended diffusive Sachdev-Ye-Kitaev model. <i>Physical Review Research</i> , 2021, 3, .	3.6	8
21	On the oscillator strength of F centers in alkali halides. <i>Physica Status Solidi (B): Basic Research</i> , 1975, 69, 519-526.	1.5	7
22	Time of scattering in the one-dimensional inelastic tunnelling. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1988, 10, 363-386.	0.4	7
23	Saddle-point finite-temperature results for the infinite-U Hubbard model at half filling. <i>Physical Review B</i> , 1992, 45, 1939-1942.	3.2	7
24	Thermodynamics of fermions excluding double occupancy: two-site example. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995, 206, 211-216.	2.1	7
25	Josephson effect in Al/Bi ₂ Se ₃ /Al coplanar hybrid devices. <i>Physica C: Superconductivity and Its Applications</i> , 2014, 503, 162-165.	1.2	7
26	Possibility of two-channel spin- $\frac{1}{2}$ Kondo conductance in a quantum dot. <i>Europhysics Letters</i> , 2002, 58, 401-407.	2.0	6
27	Linear Kondo conductance in a quantum dot. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S1453-S1483.	1.8	6
28	Topological Defects in Topological Insulators and Bound States at Topological Superconductor Vortices. <i>Materials</i> , 2014, 7, 1652-1686.	2.9	6
29	Quantum fluctuations in a current-biased Josephson junction of small capacitance. <i>Physical Review B</i> , 1989, 40, 10901-10916.	3.2	5
30	Ordinary superconductivity and path integrals. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1989, 11, 141-156.	0.4	5
31	Underlying physical aspects of fluctuations in YBa ₂ Cu ₃ O ₇ grain boundary Josephson junctions. <i>Physica C: Superconductivity and Its Applications</i> , 2008, 468, 310-315.	1.2	5
32	Thermal transport driven by charge imbalance in graphene in a magnetic field close to the charge neutrality point at low temperature: Nonlocal resistance. <i>Physical Review B</i> , 2019, 99, .	3.2	5
33	Effects of spin-orbit coupling on charge- and spin-density waves. <i>Journal of Physics C: Solid State Physics</i> , 1979, 12, L555-L558.	1.5	4
34	Charge dynamics effects in conductance through a large semi-open quantum dot. <i>Solid State Communications</i> , 2005, 135, 314-318.	1.9	4
35	Suppression of Kondo-assisted cotunneling in a spin-1 quantum dot with spin-orbit interaction. <i>Physical Review B</i> , 2010, 82, .	3.2	4
36	Superconductive proximity in a topological insulator slab and excitations bound to an axial vortex. <i>Physical Review B</i> , 2012, 86, .	3.2	4

#	ARTICLE	IF	CITATIONS
37	Single Electron Tunneling. Physica Status Solidi (B): Basic Research, 1988, 145, 483-491.	1.5	3
38	Persistent voltage and vortex dynamics in ring-shaped Josephson arrays. Europhysics Letters, 1996, 36, 135-140.	2.0	3
39	Hamiltonian theory of the strongly coupled limit of the Kondo problem in the overscreened case. Journal of Physics Condensed Matter, 2004, 16, 6075-6098.	1.8	3
40	Quantum transport across multilevel quantum dot. Current Applied Physics, 2007, 7, 198-204.	2.4	3
41	Electronic response to surface atomic displacements on Mo (001). Journal of Physics C: Solid State Physics, 1984, 17, 5227-5236.	1.5	2
42	Quantum vortex dynamics in a Josephson junction array frustrated by external charges. Journal of Physics Condensed Matter, 1996, 8, 1241-1255.	1.8	2
43	Advances in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Grain Boundary Biepitaxial Josephson Junctions: Transport Properties and Mesoscopic Effects. IEEE Transactions on Applied Superconductivity, 2007, 17, 225-228.	1.7	2
44	What happens in Josephson junctions at high critical current densities. Low Temperature Physics, 2017, 43, 816-823.	0.6	2
45	Localized electronic impurity levels near surface bands. Journal of Physics C: Solid State Physics, 1975, 8, 4010-4022.	1.5	1
46	The effects of quantum fluctuations in the large-U Hubbard model at half-filling. Journal of Physics Condensed Matter, 1994, 6, L53-L58.	1.8	1
47	Fluctuations around the magnetic and nonmagnetic saddle points in the two-dimensional spin-1/2 frustrated Heisenberg model. Physical Review B, 1994, 49, 10908-10913.	3.2	1
48	Dynamical mass of a quantum vortex in a Josephson junction array. Physical Review B, 1997, 56, 14686-14692.	3.2	1
49	Destruction of Kondo correlations in a four electron quantum dot with spin-orbit interactions. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 860-863.	2.7	1
50	Use of a spoof plasmon to optimize the coupling of infrared radiation to Josephson-junction fluxon oscillations. Physical Review B, 2020, 101, .	3.2	1
51	The Extended Diffusive Sachdev-Ye-Kitaev Model as a Sort of "Strange Metal". Physica Status Solidi (B): Basic Research, 0, , 2100271.	1.5	1
52	Quantum resistive ground state of a current biased Josephson junction of small capacitance. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 152, 109-113.	2.1	0
53	Coherent quasiparticle transport in grain boundary junctions employing high-Tc superconductors. Microelectronics Journal, 2008, 39, 1066-1069.	2.0	0
54	Energy scales in YBaCuO grain boundary biepitaxial Josephson junctions. Physica C: Superconductivity and Its Applications, 2012, 479, 74-78.	1.2	0