Arturo Tagliacozzo

List of Publications by Year
in descending order

54 papers	552 citations	687363 13 h-index	677142 22 g-index
54 all docs	54 docs citations	54 times ranked	465 citing authors

#	Article	IF	Citations
1	Superconducting critical temperature in the extended diffusive Sachdev-Ye-Kitaev model. Physical Review Research, 2021, 3, .	3.6	8
2	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
3	Thermal transport driven by charge imbalance in graphene in a magnetic field close to the charge neutrality point at low temperature: Nonlocal resistance. Physical Review B, 2019, 99, .	3.2	5
4	What happens in Josephson junctions at high critical current densities. Low Temperature Physics, 2017, 43, 816-823.	0.6	2
5	The electron-phonon interaction at deep Bi 2 Te3-semiconductor interfaces from Brillouin light scattering. Scientific Reports, 2017, 7, 16449.	3.3	10
6	Spinâ€“orbit coupling and anomalous Josephson effect in nanowires. Journal of Physics Condensed Matter, 2015, 27, 205301.	1.8	67
7	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
8	Topological Defects in Topological Insulators and Bound States at Topological Superconductor Vortices. Materials, 2014, 7, 1652-1686.	2.9	6
9	Josephson effect in Al/Bi2Se3/Al coplanar hybrid devices. Physica C: Superconductivity and Its Applications, 2014, 503, 162-165.	1.2	7
10	Electron-phonon interaction on the surface of a three-dimensional topological insulator. Physical Review B, 2013, 88, .	3.2	30
11	Advantages of using high-temperature cuprate superconductor heterostructures in the search for Majorana fermions. Physical Review B, 2012, 86, .	3.2	28
12	Superconductive proximity in a topological insulator slab and excitations bound to an axial vortex. Physical Review B, 2012, 86, .	3.2	4
13	Energy scales in YBaCuO grain boundary biepitaxial Josephson junctions. Physica C: Superconductivity and Its Applications, 2012, 479, 74-78.	1.2	0
14	Spin connection and boundary states in a topological insulator. Physical Review B, 2011, 83, .	3.2	34
15	Destruction of Kondo correlations in a four electron quantum dot withspinâ€“orbit interactions. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 860-863.	2.7	1
16	Evidence for a Minigap in YBCO Grain Boundary Josephson Junctions. Physical Review Letters, 2010, 105, 147001.	7.8	15
17	Suppression of Kondo-assisted cotunneling in a spin-1 quantum dot with spin-orbit interaction. Physical Review B, 2010, 82, .	3.2	4
18	Underlying physical aspects of fluctuations in YBa2Cu3O7â^'Î´ grain boundary Josephson junctions. Physica C: Superconductivity and Its Applications, 2008, 468, 310-315.	1.2	5

#	Article	IF	Citations
19	Coherent quasiparticle transport in grain boundary junctions employing high-Tc superconductors. Microelectronics Journal, 2008, 39, 1066-1069.	2.0	0
20	Spin Hall effect in a two-dimensional electron gas in the presence of a magnetic field. Physical Review B, 2008, 78, .	3.2	18
21	Quantum rings with Rashba spin-orbit coupling: A path-integral approach. Physical Review B, 2007, 76, .	3.2	19
22	Advances in ${hbox{YBa}}_{2}{hbox{Cu}}_{3}{hbox{O}}_{7-delta}$ Grain Boundary Biepitaxial Josephson Junctions: Transport Properties and Mesoscopic Effects. IEEE Transactions on Applied Superconductivity, 2007, 17, 225-228.	1.7	2
23	Quantum transport across multilevel quantum dot. Current Applied Physics, 2007, 7, 198-204.	2.4	3
24	Charge dynamics effects in conductance through a large semi-open quantum dot. Solid State Communications, 2005, 135, 314-318.	1.9	4
25	Rashba control for the spin excitation of a fully spin-polarized vertical quantum dot. Physical Review B, 2005, 71, .	3.2	17
26	Quantum Interference of Electrons in a Ring: Tuning of the Geometrical Phase. Physical Review Letters, 2005, 95, 226803.	7.8	26
27	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
28	Linear Kondo conductance in a quantum dot. Journal of Physics Condensed Matter, 2004, 16, S1453-S1483.	1.8	6
29	Fano versus Kondo Resonances in a Multilevel â€œSemiopenâ€•Quantum Dot. Physical Review Letters, 2004, 93, 186805.	7.8	37
30	Josephson current in a quantum dot in the Kondo regime connected to two superconductors. Physica C: Superconductivity and Its Applications, 2004, 406, 1-8.	1.2	8
31	Possibility of two-channel spin-Â½ Kondo conductance in a quantum dot. Europhysics Letters, 2002, 58, 401-407.	2.0	6
32	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
33	Spin Fractionalization of an Even Number of Electrons in a Quantum Dot. Physical Review Letters, 2000, 84, 4677-4680.	7.8	47
34	Dynamical mass of a quantum vortex in a Josephson junction array. Physical Review B, 1997, 56, 14686-14692.	3.2	1
35	Addition energies of a quantum dot with harmonic electron-electron interactions. Physical Review B, 1997, 56, R7088-R7091.	3.2	8
36	Quantum vortex dynamics in a Josephson junction array frustrated by external charges. Journal of Physics Condensed Matter, 1996, 8, 1241-1255.	1.8	2

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37	Persistent voltage and vortex dynamics in ring-shaped Josephson arrays. Europhysics Letters, 1996, 36, 135-140.	2.0	3
38	Thermodynamics of fermions excluding double occupancy: two-site example. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 206, 211-216.	2.1	7
39	Andreev Tunnelling into a One-Dimensional Josephson-Junction Array. Europhysics Letters, 1995, 30, 169-174.	2.0	9
40	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
41	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
42	Saddle-point finite-temperature results for the infinite-UHubbard model at half filling. Physical Review B, 1992, 45, 1939-1942.	3.2	7
43	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
44	Magnetic-field-induced resonant tunneling across a thick square barrier. Physical Review B, 1991, 43, 2201-2212.	3.2	18
45	Quantum fluctuations in a current-biased Josephson junction of small capacitance. Physical Review B, 1989, 40, 10901-10916.	3.2	5
46	Ordinary superconductivity and path integrals. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1989, 11, 141-156.	0.4	5
47	Single Electron Tunneling. Physica Status Solidi (B): Basic Research, 1988, 145, 483-491.	1.5	3
48	Time of scattering in the one-dimensional inelastic tunnelling. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1988, 10, 363-386.	0.4	7
49	Tunneling with coupling to surface phonons or surface plasmons. Physica Scripta, 1988, 38, 301-308.	2.5	9
50	Electronic response to surface atomic displacements on Mo (001). Journal of Physics C: Solid State Physics, 1984, 17, 5227-5236.	1.5	2
51	Effects of spin-orbit coupling on charge- and spin-density waves. Journal of Physics C: Solid State Physics, 1979, 12, L555-L558.	1.5	4
52	On the oscillator strength of F centers in alkali halides. Physica Status Solidi (B): Basic Research, 1975, 69, 519-526.	1.5	7
53	Localized electronic impurity levels near surface bands. Journal of Physics C: Solid State Physics, 1975, 8, 4010-4022.	1.5	1
54	The Extended Diffusive Sachdevâ€“Yeâ€“Kitaev Model as a Sort of â€œStrange Metalâ€. Physica Status Solidi (B): Basic Research, 0, , 2100271.	1.5	1