

Attila Geresdi

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.

28
papers

1,079
citations

16
h-index

29
g-index

29
ext. papers

1,503
ext. citations

11
avg, IF

4.29
L-index

#	Paper	IF	Citations
28	Coulomb Blockade Thermometry Beyond the Universal Regime. <i>Journal of Low Temperature Physics</i> , 2021 , 204, 143-162	1.3	1
27	Roadmap on quantum nanotechnologies. <i>Nanotechnology</i> , 2021 , 32, 162003	3.4	12
26	Coherent manipulation of an Andreev spin qubit. <i>Science</i> , 2021 , 373, 430-433	33.3	8
25	500 microkelvin nanoelectronics. <i>Nature Communications</i> , 2020 , 11, 1492	17.4	9
24	Continuous monitoring of a trapped superconducting spin. <i>Nature Physics</i> , 2020 , 16, 1103-1107	16.2	21
23	Triplet-blockaded Josephson supercurrent in double quantum dots. <i>Physical Review B</i> , 2020 , 102,	3.3	4
22	From Andreev to Majorana bound states in hybrid superconductor/semiconductor nanowires. <i>Nature Reviews Physics</i> , 2020 ,	23.6	60
21	Observation of the 4 π periodic Josephson effect in indium arsenide nanowires. <i>Nature Communications</i> , 2019 , 10, 245	17.4	68
20	Indium as a High-Cooling-Power Nuclear Refrigerant for Quantum Nanoelectronics. <i>Physical Review Applied</i> , 2019 , 12,	4.3	10
19	Broadband microwave spectroscopy of semiconductor nanowire-based Cooper-pair transistors. <i>Physical Review B</i> , 2019 , 99,	3.3	3
18	Ballistic Majorana nanowire devices. <i>Nature Nanotechnology</i> , 2018 , 13, 192-197	28.7	185
17	Direct Microwave Measurement of Andreev-Bound-State Dynamics in a Semiconductor-Nanowire Josephson Junction. <i>Physical Review Letters</i> , 2018 , 121, 047001	7.4	70
16	Parity transitions in the superconducting ground state of hybrid InSb-Al Coulomb islands. <i>Nature Communications</i> , 2018 , 9, 4801	17.4	28
15	Magnetic-field-dependent quasiparticle dynamics of nanowire single-Cooper-pair transistors. <i>Physical Review B</i> , 2018 , 98,	3.3	16
14	Hard Superconducting Gap in InSb Nanowires. <i>Nano Letters</i> , 2017 , 17, 2690-2696	11.5	80
13	Josephson radiation and shot noise of a semiconductor nanowire junction. <i>Physical Review B</i> , 2017 , 96,	3.3	3
12	Supercurrent Interference in Few-Mode Nanowire Josephson Junctions. <i>Physical Review Letters</i> , 2017 , 119, 187704	7.4	28

11	Microwave spectroscopy of spinful Andreev bound states in ballistic semiconductor Josephson junctions. <i>Nature Physics</i> , 2017 , 13, 876-881	16.2	63
10	Realization of Microwave Quantum Circuits Using Hybrid Superconducting-Semiconducting Nanowire Josephson Elements. <i>Physical Review Letters</i> , 2015 , 115, 127002	7.4	120
9	One minute parity lifetime of a NbTiN Cooper-pair transistor. <i>Nature Physics</i> , 2015 , 11, 547-550	16.2	59
8	A fast operation of nanometer-scale metallic memristors: highly transparent conductance channels in Ag ₂ S devices. <i>Nanoscale</i> , 2014 , 6, 2613-7	7.7	18
7	Formation and electronic properties of InSb nanocrosses. <i>Nature Nanotechnology</i> , 2013 , 8, 859-64	28.7	106
6	From stochastic single atomic switch to nanoscale resistive memory device. <i>Nanoscale</i> , 2011 , 3, 1504-7	7.7	22
5	Direct measurement of the spin diffusion length by Andreev spectroscopy. <i>Applied Physics Letters</i> , 2011 , 98, 212507	3.4	4
4	Probing of Ag-based Resistive Switching on the Nanoscale. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1331, 10701		2
3	Ferromagnetic proximity effect in a ferromagnet-quantum-dot-superconductor device. <i>Physical Review Letters</i> , 2010 , 104, 246804	7.4	66
2	Transition from coherent mesoscopic single-particle transport to Josephson proximity current. <i>Physical Review B</i> , 2010 , 82,	3.3	1
1	Nanoscale spin polarization in the dilute magnetic semiconductor (In,Mn)Sb. <i>Physical Review B</i> , 2008 , 77,	3.3	12