Attila Geresdi

List of Publications by Citations

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	Ballistic Majorana nanowire devices. *Nature Nanotechnology*, **2018**, 13, 192-197	28.7	185
27	Realization of Microwave Quantum Circuits Using Hybrid Superconducting-Semiconducting Nanowire Josephson Elements. *Physical Review Letters*, **2015**, 115, 127002	7.4	120
26	Formation and electronic properties of InSb nanocrosses. *Nature Nanotechnology*, **2013**, 8, 859-64	28.7	106
25	Hard Superconducting Gap in InSb Nanowires. *Nano Letters*, **2017**, 17, 2690-2696	11.5	80
24	Direct Microwave Measurement of Andreev-Bound-State Dynamics in a Semiconductor-Nanowire Josephson Junction. *Physical Review Letters*, **2018**, 121, 047001	7.4	70
23	Observation of the 4π-periodic Josephson effect in indium arsenide nanowires. *Nature Communications*, **2019**, 10, 245	17.4	68
22	Ferromagnetic proximity effect in a ferromagnet-quantum-dot-superconductor device. *Physical Review Letters*, **2010**, 104, 246804	7.4	66
21	Microwave spectroscopy of spinful Andreev bound states in ballistic semiconductor Josephson junctions. *Nature Physics*, **2017**, 13, 876-881	16.2	63
20	From Andreev to Majorana bound states in hybrid superconductor–semiconductor nanowires. *Nature Reviews Physics*, **2020**,	23.6	60
19	One minute parity lifetime of a NbTiN Cooper-pair transistor. *Nature Physics*, **2015**, 11, 547-550	16.2	59
18	Supercurrent Interference in Few-Mode Nanowire Josephson Junctions. *Physical Review Letters*, **2017**, 119, 187704	7.4	28
17	Parity transitions in the superconducting ground state of hybrid InSb-Al Coulomb islands. *Nature Communications*, **2018**, 9, 4801	17.4	28
16	From stochastic single atomic switch to nanoscale resistive memory device. *Nanoscale*, **2011**, 3, 1504-7	7.7	22
15	Continuous monitoring of a trapped superconducting spin. *Nature Physics*, **2020**, 16, 1103-1107	16.2	21
14	A fast operation of nanometer-scale metallic memristors: highly transparent conductance channels in Ag2S devices. *Nanoscale*, **2014**, 6, 2613-7	7.7	18
13	Magnetic-field-dependent quasiparticle dynamics of nanowire single-Cooper-pair transistors. *Physical Review B*, **2018**, 98,	3.3	16
12	Nanoscale spin polarization in the dilute magnetic semiconductor (In,Mn)Sb. *Physical Review B*, **2008**, 77,	3.3	12

List of Publications

11	Roadmap on quantum nanotechnologies. *Nanotechnology*, **2021**, 32, 162003	3.4	12
10	Indium as a High-Cooling-Power Nuclear Refrigerant for Quantum Nanoelectronics. *Physical Review Applied*, **2019**, 12,	4.3	10
9	500 microkelvin nanoelectronics. *Nature Communications*, **2020**, 11, 1492	17.4	9
8	Coherent manipulation of an Andreev spin qubit. *Science*, **2021**, 373, 430-433	33.3	8
7	Direct measurement of the spin diffusion length by Andreev spectroscopy. *Applied Physics Letters*, **2011**, 98, 212507	3.4	4
6	Triplet-blockaded Josephson supercurrent in double quantum dots. *Physical Review B*, **2020**, 102,	3.3	4
5	Josephson radiation and shot noise of a semiconductor nanowire junction. *Physical Review B*, **2017**, 96,	3.3	3
4	Broadband microwave spectroscopy of semiconductor nanowire-based Cooper-pair transistors. *Physical Review B*, **2019**, 99,	3.3	3
3	Probing of Ag-based Resistive Switching on the Nanoscale. *Materials Research Society Symposia Proceedings*, **2011**, 1331, 10701		2
2	Transition from coherent mesoscopic single-particle transport to Josephson proximity current. *Physical Review B*, **2010**, 82,	3.3	1
1	Coulomb Blockade Thermometry Beyond the Universal Regime. *Journal of Low Temperature Physics* , **2021**, 204, 143-162	1.3	1