

Hao Zhang

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.

18
papers

1,240
citations

11
h-index

24
g-index

24
ext. papers

1,570
ext. citations

14.2
avg, IF

4.03
L-index

#	Paper	IF	Citations
18	Universal Conductance Scaling of Andreev Reflections Using a Dissipative Probe.. <i>Physical Review Letters</i> , 2022 , 128, 076802	7.4	1
17	Suppressing Andreev Bound State Zero Bias Peaks Using a Strongly Dissipative Lead.. <i>Physical Review Letters</i> , 2022 , 128, 076803	7.4	1
16	Coexistence of resistance oscillations and the anomalous metal phase in a lithium intercalated TiSe superconductor. <i>Nature Communications</i> , 2021 , 12, 5342	17.4	5
15	Editorial Expression of Concern: Quantized Majorana conductance. <i>Nature</i> , 2020 , 581, E4	50.4	6
14	In-plane selective area InSb/Al nanowire quantum networks. <i>Communications Physics</i> , 2020 , 3,	5.4	18
13	Next steps of quantum transport in Majorana nanowire devices. <i>Nature Communications</i> , 2019 , 10, 5128	17.4	63
12	Ballistic Majorana nanowire devices. <i>Nature Nanotechnology</i> , 2018 , 13, 192-197	28.7	185
11	Quantized Majorana conductance. <i>Nature</i> , 2018 , 556, 74-79	50.4	382
10	Electric field tunable superconductor-semiconductor coupling in Majorana nanowires. <i>New Journal of Physics</i> , 2018 , 20, 103049	2.9	44
9	Hard Superconducting Gap in InSb Nanowires. <i>Nano Letters</i> , 2017 , 17, 2690-2696	11.5	80
8	Epitaxy of advanced nanowire quantum devices. <i>Nature</i> , 2017 , 548, 434-438	50.4	192
7	Ballistic superconductivity in semiconductor nanowires. <i>Nature Communications</i> , 2017 , 8, 16025	17.4	136
6	Observation of Conductance Quantization in InSb Nanowire Networks. <i>Nano Letters</i> , 2017 , 17, 6511-6515	11.5	27
5	InSb Nanowires with Built-In GaInSb Tunnel Barriers for Majorana Devices. <i>Nano Letters</i> , 2017 , 17, 721-727	11.5	6
4	Conductance Quantization at Zero Magnetic Field in InSb Nanowires. <i>Nano Letters</i> , 2016 , 16, 3482-6	11.5	71
3	Quasibound states and evidence for a spin-1 Kondo effect in asymmetric quantum point contacts. <i>Physical Review B</i> , 2013 , 88,	3.3	2
2	Evidence for the formation of quasibound states in an asymmetrical quantum point contact. <i>Physical Review B</i> , 2012 , 85,	3.3	17

- 1 Fabrication of submicron devices on the (011) cleave surface of a cleaved-edge-overgrowth GaAs/AlGaAs crystal. *Applied Physics Letters*, **2012**, 100, 123106 3.4 2