

# Hao Zhang

## List of Publications by Citations

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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	Quantized Majorana conductance. <i>Nature</i> , <b>2018</b> , 556, 74-79	50.4	382
17	Epitaxy of advanced nanowire quantum devices. <i>Nature</i> , <b>2017</b> , 548, 434-438	50.4	192
16	Ballistic Majorana nanowire devices. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 192-197	28.7	185
15	Ballistic superconductivity in semiconductor nanowires. <i>Nature Communications</i> , <b>2017</b> , 8, 16025	17.4	136
14	Hard Superconducting Gap in InSb Nanowires. <i>Nano Letters</i> , <b>2017</b> , 17, 2690-2696	11.5	80
13	Conductance Quantization at Zero Magnetic Field in InSb Nanowires. <i>Nano Letters</i> , <b>2016</b> , 16, 3482-6	11.5	71
12	Next steps of quantum transport in Majorana nanowire devices. <i>Nature Communications</i> , <b>2019</b> , 10, 5128	17.4	63
11	Electric field tunable superconductor-semiconductor coupling in Majorana nanowires. <i>New Journal of Physics</i> , <b>2018</b> , 20, 103049	2.9	44
10	Observation of Conductance Quantization in InSb Nanowire Networks. <i>Nano Letters</i> , <b>2017</b> , 17, 6511-6515	11.5	27
9	In-plane selective area InSb/Al nanowire quantum networks. <i>Communications Physics</i> , <b>2020</b> , 3,	5.4	18
8	Evidence for the formation of quasibound states in an asymmetrical quantum point contact. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	17
7	Editorial Expression of Concern: Quantized Majorana conductance. <i>Nature</i> , <b>2020</b> , 581, E4	50.4	6
6	InSb Nanowires with Built-In GaInSb Tunnel Barriers for Majorana Devices. <i>Nano Letters</i> , <b>2017</b> , 17, 721-727	11.5	6
5	Coexistence of resistance oscillations and the anomalous metal phase in a lithium intercalated TiSe superconductor. <i>Nature Communications</i> , <b>2021</b> , 12, 5342	17.4	5
4	Quasibound states and evidence for a spin-1 Kondo effect in asymmetric quantum point contacts. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	2
3	Fabrication of submicron devices on the (011) cleave surface of a cleaved-edge-overgrowth GaAs/AlGaAs crystal. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 123106	3.4	2
2	Universal Conductance Scaling of Andreev Reflections Using a Dissipative Probe. <i>Physical Review Letters</i> , <b>2022</b> , 128, 076802	7.4	1

- 1 Suppressing Andreev Bound State Zero Bias Peaks Using a Strongly Dissipative Lead.. *Physical Review Letters*, **2022**, 128, 076803

7.4 1