

Shengwei Jiang

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.

19
papers

1,551
citations

12
h-index

20
g-index

20
ext. papers

2,295
ext. citations

20.6
avg, IF

5.4
L-index

#	Paper	IF	Citations
19	Quantum anomalous Hall effect from intertwined moiré bands.. <i>Nature</i> , 2021 , 600, 641-646	50.4	18
18	Coexisting ferromagnetic-antiferromagnetic state in twisted bilayer CrI. <i>Nature Nanotechnology</i> , 2021 ,	28.7	14
17	Tunable Exciton-Optomechanical Coupling in Suspended Monolayer MoSe. <i>Nano Letters</i> , 2021 , 21, 2538-2543	11.5	7
16	Spin Dynamics Slowdown near the Antiferromagnetic Critical Point in Atomically Thin FePS. <i>Nano Letters</i> , 2021 , 21, 5045-5052	11.5	3
15	Continuous Mott transition in semiconductor moiré superlattices. <i>Nature</i> , 2021 , 597, 350-354	50.4	29
14	Exchange magnetostriction in two-dimensional antiferromagnets. <i>Nature Materials</i> , 2020 , 19, 1295-1299	27	31
13	Memristive Switching: Magneto-Memristive Switching in a 2D Layer Antiferromagnet (Adv. Mater. 2/2020). <i>Advanced Materials</i> , 2020 , 32, 2070010	24	
12	Electrical switching of valley polarization in monolayer semiconductors. <i>Physical Review Materials</i> , 2020 , 4,	3.2	7
11	Strain relaxation induced transverse resistivity anomalies in SrRuO3 thin films. <i>Physical Review B</i> , 2020 , 102,	3.3	12
10	Manipulation of the van der Waals Magnet CrGeTe by Spin-Orbit Torques. <i>Nano Letters</i> , 2020 , 20, 7482-7488	11.5	16
9	Magneto-Memristive Switching in a 2D Layer Antiferromagnet. <i>Advanced Materials</i> , 2020 , 32, e1905433	24	12
8	Evolution of interlayer and intralayer magnetism in three atomically thin chromium trihalides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 11131-11136	11.5	120
7	Spin tunnel field-effect transistors based on two-dimensional van der Waals heterostructures. <i>Nature Electronics</i> , 2019 , 2, 159-163	28.4	99
6	Layer-dependent spin-orbit torques generated by the centrosymmetric transition metal dichalcogenide MoTe2. <i>Physical Review B</i> , 2019 , 100,	3.3	36
5	Pressure-controlled interlayer magnetism in atomically thin CrI. <i>Nature Materials</i> , 2019 , 18, 1303-1308	27	178
4	Valley-Selective Exciton Bistability in a Suspended Monolayer Semiconductor. <i>Nano Letters</i> , 2018 , 18, 3213-3220	11.5	9
3	Electric-field switching of two-dimensional van der Waals magnets. <i>Nature Materials</i> , 2018 , 17, 406-410	27	431

2 Controlling magnetism in 2D CrI by electrostatic doping. *Nature Nanotechnology*, **2018**, 13, 549-553 28.7 525

1 Emergence of a noncollinear magnetic state in twisted bilayer CrI₃ 4