

Shengwei Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

3,068
citations

566801

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887659

17
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20
all docs

20
docs citations

20
times ranked

3382
citing authors

#	ARTICLE	IF	CITATIONS	
1	Controlling magnetism in 2D CrI ₃ by electrostatic doping. Nature Nanotechnology, 2018, 13, 549-553.	15.6	836	
2	Electric-field switching of two-dimensional van der Waals magnets. Nature Materials, 2018, 17, 406-410.	13.3	671	
3	Pressure-controlled interlayer magnetism in atomically thin CrI ₃ . Nature Materials, 2019, 18, 1303-1308.	13.3	364	
4	Evolution of interlayer and intralayer magnetism in three atomically thin chromium trihalides. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11131-11136.	3.3	223	
5	Spin tunnel field-effect transistors based on two-dimensional van der Waals heterostructures. Nature Electronics, 2019, 2, 159-163.	13.1	198	
6	Quantum anomalous Hall effect from intertwined moiré bands. Nature, 2021, 600, 641-646.	13.7	181	
7	Continuous Mott transition in semiconductor moiré superlattices. Nature, 2021, 597, 350-354.	13.7	174	
8	Coexisting ferromagnetic and antiferromagnetic state in twisted bilayer CrI ₃ . Nature Nanotechnology, 2022, 17, 143-147.	15.6	115	
9	Exchange magnetostriction in two-dimensional antiferromagnets. Nature Materials, 2020, 19, 1295-1299.	13.3	69	
10	Layer-dependent spin-orbit torques generated by the centrosymmetric transition metal dichalcogenide CrI_2 . Physical Review B, 2019, 100, .	11.1	61	
11	Manipulation of the van der Waals Magnet Cr ₂ Ge ₂ Te ₆ by Spin-Orbit Torques. Nano Letters, 2020, 20, 7482-7488.	4.5	59	
12	Tunable Exciton-Optomechanical Coupling in Suspended Monolayer MoSe ₂ . Nano Letters, 2021, 21, 2538-2543.	4.5	25	
13	Magneto-Memristive Switching in a 2D Layer Antiferromagnet. Advanced Materials, 2020, 32, e1905433.	11.1	21	
14	Spin Dynamics Slowdown near the Antiferromagnetic Critical Point in Atomically Thin FePS ₃ . Nano Letters, 2021, 21, 5045-5052.	4.5	21	
15	Electrical switching of valley polarization in monolayer semiconductors. Physical Review Materials, 2020, 4, .	0.9	19	
16	Strain relaxation induced transverse resistivity anomalies in SrRuO ₃ thin films. Physical Review B, 2020, 102, .	1.1	15	
17	Valley-Selective Exciton Bistability in a Suspended Monolayer Semiconductor. Nano Letters, 2018, 18, 3213-3220.	4.5	10	
18	Memristive Switching: Magneto-Memristive Switching in a 2D Layer Antiferromagnet (Adv. Mater.)	Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	11.1	0