

Wenbo Wang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,082
citations

623734

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713466

21
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docs citations

21
times ranked

3802
citing authors

#	ARTICLE	IF	CITATIONS
1	Visualization of ferromagnetic domains in vanadium-doped topological insulator thin films and heterostructures. <i>Tungsten</i> , 2023, 5, 288-299.	4.8	2
2	Chiral-Bubble-Induced Topological Hall Effect in Ferromagnetic Topological Insulator Heterostructures. <i>Nano Letters</i> , 2021, 21, 1108-1114.	9.1	15
3	Engineering quantum-coherent defects: The role of substrate miscut in chemical vapor deposition diamond growth. <i>Applied Physics Letters</i> , 2020, 117, 194001.	3.3	8
4	Magnetic domain engineering in SrRuO ₃ thin films. <i>Npj Quantum Materials</i> , 2020, 5, .	5.2	18
5	Spin chirality fluctuation in two-dimensional ferromagnets with perpendicular magnetic anisotropy. <i>Nature Materials</i> , 2019, 18, 1054-1059.	27.5	85
6	Giant topological Hall effect in correlated oxide thin films. <i>Nature Physics</i> , 2019, 15, 67-72.	16.7	111
7	Realization of the Axion Insulator State in Quantum Anomalous Hall Sandwich Heterostructures. <i>Physical Review Letters</i> , 2018, 120, 056801.	7.8	254
8	Enhancing the Quantum Anomalous Hall Effect by Magnetic Codoping in a Topological Insulator. <i>Advanced Materials</i> , 2018, 30, 1703062.	21.0	141
9	Direct evidence of ferromagnetism in a quantum anomalous Hall system. <i>Nature Physics</i> , 2018, 14, 791-795.	16.7	65
10	Interferometric imaging of nonlocal electromechanical power transduction in ferroelectric domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5338-5342.	7.1	9
11	Two-dimensional itinerant ferromagnetism in atomically thin Fe ₃ GeTe ₂ . <i>Nature Materials</i> , 2018, 17, 778-782.	27.5	995
12	Laser floating zone growth of improper geometric ferroelectric GdInO ₃ single crystals with Z ₆ topological defects. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7024-7029.	5.5	11
13	Electric-Field Modulation of Interface Magnetic Anisotropy and Spin Reorientation Transition in (Co/Pt) ₃ /PMN/PT Heterostructure. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10855-10864.	8.0	56
14	Visualizing weak ferromagnetic domains in multiferroic hexagonal ferrite thin film. <i>Physical Review B</i> , 2017, 95, .	3.2	19
15	Visualizing ferromagnetic domain behavior of magnetic topological insulator thin films. <i>Npj Quantum Materials</i> , 2016, 1, .	5.2	26
16	Quantitative measurements of shear displacement using atomic force microscopy. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	5
17	Visualizing ferromagnetic domains in magnetic topological insulators. <i>APL Materials</i> , 2015, 3, .	5.1	19
18	Restoring pristine Bi ₂ Se ₃ surfaces with an effective Se decapping process. <i>Nano Research</i> , 2015, 8, 1222-1228.	10.4	32

#	ARTICLE	IF	CITATIONS
19	Background-free piezoresponse force microscopy for quantitative measurements. Applied Physics Letters, 2014, 104, 072905.	3.3	13
20	Room-Temperature Multiferroic Hexagonal LuFeO_3 Films. Physical Review Letters, 2013, 110, 237601.	7.8	195