

# Wei Niu

## List of Publications by Year in descending order

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papers

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567281

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454955

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docs citations

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times ranked

1454  
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-temperature intrinsic ferromagnetism in epitaxial CrTe <sub>2</sub> ultrathin films. Nature Communications, 2021, 12, 2492.	12.8	179
2	Evidence of Both Surface and Bulk Dirac Bands and Anisotropic Nonsaturating Magnetoresistance in ZrSiS. Advanced Electronic Materials, 2016, 2, 1600228.	5.1	115
3	Evidence of weak localization in quantum interference effects observed in epitaxial La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> ultrathin films. Scientific Reports, 2016, 6, 26081.	3.3	61
4	Stimulating Oxide Heterostructures: A Review on Controlling SrTiO <sub>3</sub> -Based Heterointerfaces with External Stimuli. Advanced Materials Interfaces, 2019, 6, 1900772.	3.7	56
5	Giant Tunability of the Two-Dimensional Electron Gas at the Interface of $\text{Al}_2\text{O}_3/\text{SrTiO}_3$ . Nano Letters, 2017, 17, 6878-6885.	9.1	44
6	Monolayer Modification of VTe <sub>2</sub> and Its Charge Density Wave. Journal of Physical Chemistry Letters, 2019, 10, 4987-4993.	4.6	43
7	Tuning the transport behavior of centimeter-scale WTe <sub>2</sub> ultrathin films fabricated by pulsed laser deposition. Applied Physics Letters, 2017, 111, .	3.3	34
8	Giant Topological Hall Effect in van der Waals Heterostructures of CrTe <sub>2</sub> /Bi <sub>2</sub> Te <sub>3</sub> . ACS Nano, 2021, 15, 15710-15719.	14.6	34
9	Transport evidence of 3D topological nodal-line semimetal phase in ZrSiS. Frontiers of Physics, 2018, 13, 1.	5.0	30
10	Diluted Oxide Interfaces with Tunable Ground States. Advanced Materials, 2019, 31, e1805970.	21.0	28
11	Direct Demonstration of the Emergent Magnetism Resulting from the Multivalence Mn in a LaMnO <sub>3</sub> Epitaxial Thin Film System. Advanced Electronic Materials, 2018, 4, 1800055.	5.1	27
12	Direct observation of high spin polarization in Co <sub>2</sub> FeAl thin films. Scientific Reports, 2018, 8, 8074.	3.3	20
13	Identification of defect-related emissions in ZnO hybrid materials. Applied Physics Letters, 2015, 107, .	3.3	19
14	Intrinsic ferromagnetism and quantum transport transition in individual Fe-doped Bi <sub>2</sub> Se <sub>3</sub> topological insulator nanowires. Nanoscale, 2017, 9, 12372-12378.	5.6	18
15	Suppressed carrier density for the patterned high mobility two-dimensional electron gas at $\text{Al}_2\text{O}_3/\text{SrTiO}_3$ heterointerfaces. Applied Physics Letters, 2017, 111, 021602.	3.3	18
16	Antisymmetric magnetoresistance in $\text{Fe}_3\text{GeTe}_2$ nanodevices of inhomogeneous thickness. Physical Review B, 2021, 104, .	3.2	16
17	Oxygen pressure-tuned epitaxy and magnetic properties of magnetite thin films. Journal of Magnetism and Magnetic Materials, 2017, 432, 472-476.	2.3	15
18	Tuning the Two-Dimensional Electron Gas at Oxide Interfaces with Ti <sup>4+</sup> O Configurations: Evidence from X-ray Photoelectron Spectroscopy. ACS Applied Materials & Interfaces, 2018, 10, 1434-1439.	8.0	15

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19	Realizing Wafer-Scale and Low-Voltage Operation MoS <sub>2</sub> Transistors via Electrolyte Gating. <i>Advanced Electronic Materials</i> , 2020, 6, 1900838.	5.1	15
20	Electrolyte gate controlled metal-insulator transitions of the CaZrO <sub>3</sub> /SrTiO <sub>3</sub> heterointerface. <i>Applied Physics Letters</i> , 2019, 115, 061601.	3.3	14
21	Topological Phase Transition-Induced Triaxial Vector Magnetoresistance in (Bi <sub>1-x</sub> In <sub>x</sub> ) <sub>2</sub> Se <sub>3</sub> Nanodevices. <i>ACS Nano</i> , 2018, 12, 1537-1543.	14.6	13
22	Ultrafast Orbital-Oriented Control of Magnetization in Half-Metallic La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> Films. <i>Advanced Materials</i> , 2019, 31, e1806443.	21.0	13
23	Probing the atomic-scale ferromagnetism in van der Waals magnet CrSiTe <sub>3</sub> . <i>Applied Physics Letters</i> , 2021, 119, .	3.3	12
24	Large Linear Magnetoresistance of High-Mobility 2D Electron System at Nonisostructural $\text{Bi}_2\text{O}_3/\text{SrTiO}_3$ Heterointerfaces. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101235.	3.7	12
25	Recent Advances on Spin-Polarized Two-Dimensional Electron Gases at Oxide Interfaces. <i>ACS Applied Electronic Materials</i> , 2021, 3, 128-144.	4.3	11
26	Self-Intercalation Tunable Interlayer Exchange Coupling in a Synthetic van der Waals Antiferromagnet. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	10
27	Fully Optical Modulation of the Two-Dimensional Electron Gas at the $\text{Bi}_2\text{O}_3/\text{SrTiO}_3$ Interface. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2976-2985.	4.6	9
28	Ferroelectric control of a spin-polarized two-dimensional electron gas. <i>Physical Review B</i> , 2021, 103, .	3.2	8
29	Unsaturated magnetoconductance of epitaxial La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films in pulsed magnetic fields up to 60 T. <i>AIP Advances</i> , 2017, 7, 056404.	1.3	7
30	The atomic-scale magnetism of Co <sub>2</sub> FeAl Heusler alloy epitaxial thin films. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	7
31	Charge-Transfer-Induced Multivalent States with Resultant Emergent Magnetism in Transition-Metal Oxide Heterostructures. <i>Advanced Electronic Materials</i> , 2021, 7, .	5.1	5
32	Room-temperature ferromagnetism observed in Nd-doped In <sub>2</sub> O <sub>3</sub> dilute magnetic semiconducting nanowires. <i>Chinese Physics B</i> , 2016, 25, 097502.	1.4	4
33	Strain-driven lattice distortion and the resultant magnetic properties of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /BaTiO <sub>3</sub> superlattices. <i>Applied Physics Letters</i> , 2019, 115, 201604.	3.3	4
34	The Role of the Height Fluctuation Effect in the Tunable Interfacial Electronic Structure of the Vertically Stacked BP/MoS <sub>2</sub> Heterojunction. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20256-20261.	3.1	4
35	Quantum Electronics: Evidence of Both Surface and Bulk Dirac Bands and Anisotropic Nonsaturating Magnetoresistance in ZrSiS (Adv. Electron. Mater. 10/2016). <i>Advanced Electronic Materials</i> , 2016, 2, .	5.1	3
36	Oxide Interfaces: Diluted Oxide Interfaces with Tunable Ground States (Adv. Mater. 10/2019). <i>Advanced Materials</i> , 2019, 31, 1970072.	21.0	3

#	ARTICLE	IF	CITATIONS
37	Universal scaling of the anomalous Hall effect. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 155002.	2.8	2
38	Observation of Small Polaron and Acoustic Phonon Coupling in Ultrathin $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{SrTiO}_3$ Structures. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1800657.	2.4	2
39	Fabrication and Characterization of Fe-Doped $\text{In}_2\text{O}_3$ Dilute Magnetic Semiconducting Nanowires. <i>Chinese Physics Letters</i> , 2015, 32, 037501.	3.3	1
40	Emergent Ferromagnetism: Direct Demonstration of the Emergent Magnetism Resulting from the Multivalence Mn in a $\text{LaMnO}_3$ Epitaxial Thin Film System ( <i>Adv. Electron. Mater.</i> 6/2018). <i>Advanced Electronic Materials</i> , 2018, 4, 1870030.	5.1	1
41	Effect of Superparamagnetic $\text{Fe}_3\text{O}_4$ Nanoparticles on Schottky Barriers of Graphene. <i>IEEE Transactions on Magnetism</i> , 2015, 51, 1-4.	2.1	0