

# Mengmeng Yang

## List of Publications by Year in descending order

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29  
papers

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citations

686830

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h-index

552369

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g-index

29  
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docs citations

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times ranked

1768  
citing authors

#	ARTICLE	IF	CITATIONS
1	Patterning-Induced Ferromagnetism of Fe <sub>3</sub> GeTe <sub>2</sub> van der Waals Materials beyond Room Temperature. Nano Letters, 2018, 18, 5974-5980.	4.5	177
2	Suppression of Structural Phase Transition in VO <sub>2</sub> by Epitaxial Strain in Vicinity of Metal-insulator Transition. Scientific Reports, 2016, 6, 23119.	1.6	102
3	Creation of skyrmions in van der Waals ferromagnet Fe <sub>3</sub> GeTe <sub>2</sub> on (Co/Pd) superlattice. Science Advances, 2020, 6, .	4.7	89
4	Ultralow Voltage Manipulation of Ferromagnetism. Advanced Materials, 2020, 32, e2001943.	11.1	44
5	Surface-growth-mode-induced strain effects on the metal-insulator transition in epitaxial vanadium dioxide thin films. RSC Advances, 2015, 5, 80122-80128.	1.7	42
6	Manipulating magnetoelectric energy landscape in multiferroics. Nature Communications, 2020, 11, 2836.	5.8	42
7	Optimization of large-size glass laminated luminescent solar concentrators. Solar Energy, 2015, 117, 260-267.	2.9	41
8	Complex strain evolution of polar and magnetic order in multiferroic BiFeO <sub>3</sub> thin films. Nature Communications, 2018, 9, 3764.	5.8	40
9	Highly Enhanced Curie Temperature in Ga-implanted Fe <sub>3</sub> GeTe <sub>2</sub> van der Waals Material. Advanced Quantum Technologies, 2020, 3, 2000017.	1.8	34
10	Coherent ac spin current transmission across an antiferromagnetic CoO insulator. Nature Communications, 2019, 10, 5265.	5.8	29
11	Electrical switching of the magnetic vortex circulation in artificial multiferroic structure of Co/Cu/PMN-PT(011). Applied Physics Letters, 2017, 110, 262405.	1.5	26
12	Probing the domain structure of BiFeO <sub>3</sub> epitaxial films with three-dimensional reciprocal space mapping. Applied Physics Letters, 2014, 104, .	1.5	18
13	Resistance switching of epitaxial VO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> heterostructure at room temperature induced by organic liquids. AIP Advances, 2015, 5, 037114.	0.6	16
14	Element- and Time-Resolved Measurements of Spin Dynamics Using X-ray Detected Ferromagnetic Resonance. Synchrotron Radiation News, 2020, 33, 12-19.	0.2	12
15	DC current induced metal-insulator transition in epitaxial Sm <sub>0.6</sub> Nd <sub>0.4</sub> NiO <sub>3</sub> /LaAlO <sub>3</sub> thin film. AIP Advances, 2014, 4, .	0.6	8
16	For progress in natural science: Materials international investigations of structural phase transformation and THz properties across metal-insulator transition in VO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> epitaxial films. Progress in Natural Science: Materials International, 2015, 25, 386-391.	1.8	7
17	Dynamic strain control of the metal-insulator transition and non-volatile resistance switching in (0) Tj ETQq1 1 0,784314 rgBT /Overlo	1.3	7
18	Field dependence of antiferromagnetic domain switching in epitaxial Fe/CoO/MgO(001) systems. Physical Review B, 2017, 96, .	1.1	6

#	ARTICLE	IF	CITATIONS
19	The effect of spin reorientation transition of antiferromagnetic NiO on the Py magnetic anisotropy in Py/NiO/CoO/MgO(001). Journal of Magnetism and Magnetic Materials, 2018, 460, 6-11.	1.0	6
20	Effects of lattice geometry on the dynamic properties of dipolar-coupled magnetic nanodisk arrays. Physical Review B, 2019, 99, .	1.1	5
21	The effect of growth oxygen pressure on the metal-insulator transition of ultrathin Sm <sub>0.6</sub> Nd <sub>0.4</sub> NiO <sub>3</sub> epitaxial films. RSC Advances, 2014, 4, 55082-55086.	1.7	4
22	Chirality switching of an antiferromagnetic spiral wall and its effect on magnetic anisotropy. Physical Review Materials, 2019, 3, .	0.9	4
23	Substrate-dependent post-annealing effects on the strain state and electrical transport of epitaxial La <sub>5/8-y</sub> Pr <sub>y</sub> Ca <sub>3/8</sub> MnO <sub>3</sub> films. AIP Advances, 2014, 4, .	0.6	3
24	Polarization-dependent soft X-ray absorption of over-doped superconducting Sr <sub>2</sub> CuO <sub>3+</sub> single crystal. Journal of Electron Spectroscopy and Related Phenomena, 2014, 196, 61-65.	0.8	2
25	Antiferromagnetic domain switching modulated by an ultrathin Co interlayer in the Fe/Co/CoO/MgO(001) system. Physical Review B, 2020, 102, .	1.1	2
26	Ni and CoO spin cantings induced by Fe layer in Ni/CoO/Fe/vicinal MgO(001). Physical Review B, 2017, 96, .	1.1	1
27	Temperature-dependent XAFS study of the local lattice distortion of the CuO <sub>2</sub> plane in Sr <sub>2</sub> CuO <sub>3+</sub> powder sample. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 125778.	0.9	1
28	Tuning magnetic anisotropy of epitaxial Ag/Fe/Fe <sub>0.5</sub> Co <sub>0.5</sub> /MgO(001) films. Journal of Applied Physics, 2018, 124, .	1.1	0
29	Disorder-driven ferromagnetic insulator phase in manganite heterostructures. Ceramics International, 2021, 48, 8374-8374.	2.3	0