

Mingmin Zhu

List of Publications by Year in descending order

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papers

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37
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494
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Determination on Ionic-Liquid Gating Control of Interfacial Magnetism. <i>Advanced Materials</i> , 2017, 29, 1606478.	11.1	72
2	Modulation of Spin Dynamics via Voltage Control of Spin-Lattice Coupling in Multiferroics. <i>Advanced Functional Materials</i> , 2017, 27, 1605598.	7.8	40
3	Electric field induced reversible 180° magnetization switching through tuning of interfacial exchange bias along magnetic easy-axis in multiferroic laminates. <i>Scientific Reports</i> , 2015, 5, 16480.	1.6	26
4	Magnetostriction, Soft Magnetism, and Microwave Properties in CoFe/C Alloy Films. <i>Physical Review Applied</i> , 2019, 12, .	1.6	16
5	Voltage control of magnetic domain wall injection into strain-mediated multiferroic heterostructures. <i>Nanoscale</i> , 2020, 12, 14479-14486.	2.8	14
6	Advances in Magnetism Epitaxial Multiferroic Heterostructures and Applications. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-16.	1.2	13
7	Pulsed laser deposition of single-phase lead-free NKLNT thin films with K- and Na-excess targets. <i>Journal of Alloys and Compounds</i> , 2013, 567, 97-101.	2.8	12
8	Strain-modulated magnetization precession in skyrmion-based spin transfer nano-oscillator. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	12
9	Voltage control of spin wave resonance in $\text{La}_{0.5}\text{Sr}_{0.5}\text{MnO}_3/\text{PMN-PT}$ (001) multiferroic heterostructures. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	11
10	Ionic Liquid Gating Control of Spin Wave Resonance in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Thin Film. <i>Advanced Electronic Materials</i> , 2020, 6, 1900859.	2.6	11
11	Voltage Tuning of Ferromagnetic Resonance and Linewidth in Spinel Ferrite/Ferroelectric Multiferroic Heterostructures. <i>IEEE Magnetics Letters</i> , 2015, 6, 1-4.	0.6	9
12	Voltage control of ferromagnetic resonance. <i>Journal of Advanced Dielectrics</i> , 2016, 06, 1630005.	1.5	9
13	Strain-driven radial vortex core reversal in geometric confined multiferroic heterostructures. <i>Applied Physics Letters</i> , 2021, 118, 262412.	1.5	8
14	Nonreciprocal Isolating Bandpass Filter With Enhanced Isolation Using Metallized Ferrite. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020, 68, 5307-5316.	2.9	8
15	Strain-driven magnetic domain wall dynamics controlled by voltage in multiferroic heterostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 552, 169229.	1.0	7
16	Studies on mechanical loss in converse magnetoelectric effect under multi-physical field. <i>Smart Materials and Structures</i> , 2019, 28, 024004.	1.8	3
17	A non-band narrow-frame antenna with a defected ground structure for mobile phone applications. <i>Microwave and Optical Technology Letters</i> , 2020, 62, 498-506.	0.9	3
18	The low-frequency improvement with loading soft magnetic ferrite films for multiband antenna applications. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2021, 66, 359-368.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Micromagnetic prediction strain and current co-mediated spindynamics in skyrmion-based spin-torque nano-oscillator. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 175003.	1.3	3
20	Wideband Low-Profile 8×8 MIMO Antenna Based IFA Pair for Ultrathin 5G Smartphones. <i>International Journal of Antennas and Propagation</i> , 2022, 2022, 1-10.	0.7	3
21	Voltage-Tuned Transport Properties and Ferromagnetic Resonance in Lanthanum-Strontium-Manganite/Lead-Magnesium-Niobate-Lead-Titanate Multiferroic Heterostructures. <i>IEEE Magnetics Letters</i> , 2018, 9, 1-5.	0.6	2
22	A small-size and multi-band wearable antenna with coplanar structure. <i>Journal of Physics: Conference Series</i> , 2019, 1325, 012201.	0.3	2
23	A Low-Profile Dual-Polarized MIMO Antenna with an AMC Surface for WLAN Applications. <i>International Journal of Antennas and Propagation</i> , 2021, 2021, 1-12.	0.7	2
24	Design of Reconfigurable Spin-Wave Nanochannels Based on Strain-Mediated Multiferroic Heterostructures and Logic Device Applications. <i>IEEE Transactions on Electron Devices</i> , 2022, 69, 1650-1657.	1.6	2
25	Dynamics of domain wall induced by voltage-controlled strain-field gradient. <i>AIP Advances</i> , 2022, 12, .	0.6	2
26	Design of a Radial Vortex-Based Spin-Torque Nano-Oscillator in a Strain-Mediated Multiferroic Nanostructure for BFSK/BASK Applications. <i>Micromachines</i> , 2022, 13, 1056.	1.4	2
27	Magnonics: Modulation of Spin Dynamics via Voltage Control of Spin-Lattice Coupling in Multiferroics (<i>Adv. Funct. Mater.</i> 10/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	7.8	1
28	Structural and magnetic properties of La _{0.7} Sr _{0.3} MnO ₃ ferromagnetic thin film grown on PMN-PT by sol-gel method. <i>Journal of Advanced Dielectrics</i> , 2017, 07, 1750029.	1.5	1
29	PLD growth and characteristics of lead-free NKLNST ferroelectric nanotubes. <i>Journal of Materials Research and Technology</i> , 2020, 9, 12818-12823.	2.6	1
30	Magnetization Dynamics and Spin Wave Excitation in Strain-Mediated Multiferroic Heterostructures With the Interfacial Dzyaloshinskii-Moriya Interaction. <i>IEEE Transactions on Magnetics</i> , 2022, 58, 1-5.	1.2	1
31	Modulation of spin dynamics across metal to insulator transitions in hybrid heterostructures. <i>Journal of Materials Research and Technology</i> , 2020, 9, 16349-16354.	2.6	1
32	Decoupling Technique Using Ferrite-Film Loading for 5G MIMO Applications. <i>International Journal of Antennas and Propagation</i> , 2022, 2022, 1-12.	0.7	1
33	Current-driven periodic domain walls injection in a ferromagnetic nanostrip with a modified perpendicular magnetic anisotropy region. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 385002.	1.3	1
34	Ionic-Liquid Gating: Quantitative Determination on Ionic-Liquid Gating Control of Interfacial Magnetism (<i>Adv. Mater.</i> 17/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	0
35	Coupled-Fed Antenna with Parasitic Ground Structure for Octa-band WWAN/LTE Narrow-Frame Mobile Phone. <i>Journal of Physics: Conference Series</i> , 2019, 1325, 012202.	0.3	0
36	Homoepitaxial Mn ₃ Ge films on ultra-thin Fe seed layer with high perpendicular magnetic anisotropy. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 514, 167146.	1.0	0