Mingmin Zhu

List of Publications by Year
in descending order

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36	302	933264	887953
papers	citations	10	17
		h-index	g-index

37	37	37	494
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetization Dynamics and Spin Wave Excitation in Strain-Mediated Multiferroic Heterostructures With the Interfacial Dzyaloshinskii-Moriya Interaction. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	1
2	Design of Reconfigurable Spin-Wave Nanochannels Based on Strain-Mediated Multiferroic Heterostructures and Logic Device Applications. IEEE Transactions on Electron Devices, 2022, 69, 1650-1657.	1.6	2
3	Micromagnetic prediction strain and current co-mediated spindynamics in skyrmion-based spin-torque nano-oscillator. Journal Physics D: Applied Physics, 2022, 55, 175003.	1.3	3
4	Decoupling Technique Using Ferrite-Film Loading for 5G MIMO Applications. International Journal of Antennas and Propagation, 2022, 2022, 1-12.	0.7	1
5	Dynamics of domain wall induced by voltage-controlled strain-field gradient. AIP Advances, 2022, 12, .	0.6	2
6	Strain-driven magnetic domain wall dynamics controlled by voltage in multiferroic heterostructures. Journal of Magnetism and Magnetic Materials, 2022, 552, 169229.	1.0	7
7	Wideband Low-Profile 8â€‰Ã—â€‰8 MIMO Antenna Based IFA Pair for Ultrathin 5G Smartphones. International Journal of Antennas and Propagation, 2022, 2022, 1-10.	0.7	3
8	Design of a Radial Vortex-Based Spin-Torque Nano-Oscillator in a Strain-Mediated Multiferroic Nanostructure for BFSK/BASK Applications. Micromachines, 2022, 13, 1056.	1.4	2
9	Current-driven periodic domain walls injection in a ferromagnetic nanostrip with a modified perpendicular magnetic anisotropy region. Journal Physics D: Applied Physics, 2022, 55, 385002.	1.3	1
10	Strain-modulated magnetization precession in skyrmion-based spin transfer nano-oscillator. Applied Physics Letters, 2021, 118, .	1.5	12
11	The low-frequency improvement with loading soft magnetic ferrite films for multiband antenna applications. International Journal of Applied Electromagnetics and Mechanics, 2021, 66, 359-368.	0.3	3
12	Strain-driven radial vortex core reversal in geometric confined multiferroic heterostructures. Applied Physics Letters, 2021, 118, 262412.	1.5	8
13	A Low-Profile Dual-Polarized MIMO Antenna with an AMC Surface for WLAN Applications. International Journal of Antennas and Propagation, 2021, 2021, 1-12.	0.7	2
14	A nonaâ€band narrowâ€frame antenna with a defected ground structure for mobile phone applications. Microwave and Optical Technology Letters, 2020, 62, 498-506.	0.9	3
15	Ionic Liquid Gating Control of Spin Wave Resonance in La 0.7 Sr 0.3 MnO 3 Thin Film. Advanced Electronic Materials, 2020, 6, 1900859.	2.6	11
16	PLD growth and characteristics of lead-free NKLNST ferroelectric nanotubes. Journal of Materials Research and Technology, 2020, 9, 12818-12823.	2.6	1
17	Homoepitaxial Mn3Ge films on ultra-thin Fe seed layer with high perpendicular magnetic anisotropy. Journal of Magnetism and Magnetic Materials, 2020, 514, 167146.	1.0	0
18	Modulation of spin dynamics across metal to insulator transitions in hybrid heterostructures. Journal of Materials Research and Technology, 2020, 9, 16349-16354.	2.6	1

#	Article	IF	Citations
19	Voltage control of magnetic domain wall injection into strain-mediated multiferroic heterostructures. Nanoscale, 2020, 12, 14479-14486.	2.8	14
20	Nonreciprocal Isolating Bandpass Filter With Enhanced Isolation Using Metallized Ferrite. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 5307-5316.	2.9	8
21	Magnetostriction, Soft Magnetism, and Microwave Properties in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Co</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>Fe</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>C</mml:mi></mml:mrow></mml:mrow></mml:math> Alloy Films. Physical Review Applied, 2019, 12, .	4.6	16
22	A small-size and multi-band wearable antenna with coplanar structure. Journal of Physics: Conference Series, 2019, 1325, 012201.	0.3	2
23	Coupled-Fed Antenna with Parasitic Ground Structure for Octa-band WWAN/LTE Narrow-Frame Mobile Phone. Journal of Physics: Conference Series, 2019, 1325, 012202.	0.3	0
24	Studies on mechanical loss in converse magnetoelectric effect under multi-physical field. Smart Materials and Structures, 2019, 28, 024004.	1.8	3
25	Voltage-Tuned Transport Properties and Ferromagnetic Resonance in Lanthanum-Strontium-Manganite/Lead-Magnesiumâ€“Niobate-Lead-Titanate Multiferroic Heterostructures. IEEE Magnetics Letters, 2018, 9, 1-5.	0.6	2
26	Modulation of Spin Dynamics via Voltage Control of Spinâ€Lattice Coupling in Multiferroics. Advanced Functional Materials, 2017, 27, 1605598.	7.8	40
27	Magnonics: Modulation of Spin Dynamics via Voltage Control of Spinâ€Lattice Coupling in Multiferroics (Adv. Funct. Mater. 10/2017). Advanced Functional Materials, 2017, 27, .	7.8	1
28	Quantitative Determination on Ionicâ€Liquidâ€Gating Control of Interfacial Magnetism. Advanced Materials, 2017, 29, 1606478.	11.1	72
29	Ionicâ€Liquid Gating: Quantitative Determination on Ionicâ€Liquidâ€Gating Control of Interfacial Magnetism (Adv. Mater. 17/2017). Advanced Materials, 2017, 29, .	11.1	0
30	Voltage control of spin wave resonance in La0.5Sr0.5MnO3/PMN-PT (001) multiferroic heterostructures. Applied Physics Letters, 2017, 111, .	1.5	11
31	Structural and magnetic properties of La0.7Sr0.3MnO3 ferromagnetic thin film grown on PMN-PT by solâ€“gel method. Journal of Advanced Dielectrics, 2017, 07, 1750029.	1.5	1
32	Advances in Magnetics Epitaxial Multiferroic Heterostructures and Applications. IEEE Transactions on Magnetics, 2017, 53, 1-16.	1.2	13
33	Voltage control of ferromagnetic resonance. Journal of Advanced Dielectrics, 2016, 06, 1630005.	1.5	9
34	Electric field induced reversible 180Â° magnetization switching through tuning of interfacial exchange bias along magnetic easy-axis in multiferroic laminates. Scientific Reports, 2015, 5, 16480.	1.6	26
35	Voltage Tuning of Ferromagnetic Resonance and Linewidth in Spinel Ferrite/Ferroelectric Multiferroic Heterostructures. IEEE Magnetics Letters, 2015, 6, 1-4.	0.6	9
36	Pulsed laser deposition of single-phase lead-free NKLNST thin films with K- and Na-excess targets. Journal of Alloys and Compounds, 2013, 567, 97-101.	2.8	12