

Cun-Zheng Dong

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Bayesian Optimization and Regression Analysis to Ferromagnetic Materials Development. IEEE Transactions on Magnetics, 2022, 58, 1-8.	2.1	4
2	Electrostatically Tunable Mutual Inductance for Frequency Splitting Elimination in Wireless Power Transfer. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	1
3	Low-Frequency Magnetic Field Detection Using Magnetolectric Sensor With Optimized Metglas Layers by Frequency Modulation. IEEE Sensors Journal, 2022, 22, 4028-4035.	4.7	9
4	Thin Film Magnetolectric Sensors Toward Biomagnetism: Materials, Devices, and Applications. Advanced Electronic Materials, 2022, 8, .	5.1	14
5	Multiferroic Composites. , 2021, , 225-240.		1
6	High-Performance On-Chip Hot-Pressed NdFeB Hard Magnets for MEMS Applications. IEEE Transactions on Magnetics, 2021, 57, 1-4.	2.1	5
7	Ultra-compact dual-band smart NEMS magnetolectric antennas for simultaneous wireless energy harvesting and magnetic field sensing. Nature Communications, 2021, 12, 3141.	12.8	95
8	Roadmap on Magnetolectric Materials and Devices. IEEE Transactions on Magnetics, 2021, 57, 1-57.	2.1	43
9	Thermal annealing on the soft magnetism, microwave properties, and magnetostriction in Co-Fe-C alloy films. Journal of Alloys and Compounds, 2021, 874, 159783.	5.5	3
10	Ultra-compact mechanical antennas. Applied Physics Letters, 2020, 117, .	3.3	47
11	Enhancing the soft magnetic properties of FeGa with a non-magnetic underlayer for microwave applications. Applied Physics Letters, 2020, 116, 222404.	3.3	10
12	Homoepitaxial Mn ₃ Ge films on ultra-thin Fe seed layer with high perpendicular magnetic anisotropy. Journal of Magnetism and Magnetic Materials, 2020, 514, 167146.	2.3	0
13	A Review of Thin-Film Magnetoelastic Materials for Magnetolectric Applications. Sensors, 2020, 20, 1532.	3.8	69
14	Underlayer effect on the soft magnetic, high frequency, and magnetostrictive properties of FeGa thin films. Journal of Applied Physics, 2020, 128, .	2.5	17
15	Integrated Tunable Magnetolectric RF Inductors. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 951-963.	4.6	20
16	A Portable Very Low Frequency (VLF) Communication System Based on Acoustically Actuated Magnetolectric Antennas. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 398-402.	4.0	116
17	Nonreciprocal Isolating Bandpass Filter With Enhanced Isolation Using Metallized Ferrite. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 5307-5316.	4.6	8
18	Mechanical-Resonance-Enhanced Thin-Film Magnetolectric Heterostructures for Magnetometers, Mechanical Antennas, Tunable RF Inductors, and Filters. Materials, 2019, 12, 2259.	2.9	53

#	ARTICLE	IF	CITATIONS
19	A low-power and high-sensitivity magnetic field sensor based on converse magnetoelectric effect. Applied Physics Letters, 2019, 115, .	3.3	30
20	Magnetostriction, Soft Magnetism, and Microwave Properties in $\text{Co}_{1-x}\text{Fe}_x\text{C}$ Alloy Films. Physical Review Applied, 2019, 12, .	1.6	16
21	Voltage-Driven Nonlinearity in Magnetoelectric Heterostructures. Physical Review Applied, 2019, 12, .	3.8	24
22	Magneto-electric interactions in composites of self-biased Y- and W-type hexagonal ferrites and lead zirconate titanate: Experiment and theory. Journal of Applied Physics, 2019, 126, .	2.5	8
23	NanoNeuroRFID: A Wireless Implantable Device Based on Magnetoelectric Antennas. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2019, 3, 206-215.	3.4	66
24	Soft Magnetism, Magnetostriction, and Microwave Properties of Fe-Ga-C Alloy Films. IEEE Magnetics Letters, 2019, 10, 1-5.	1.1	22
25	A passive isolator realized by magnetoelectric laminate composites. Applied Physics Letters, 2018, 113, .	3.3	16
26	Characterization of magnetomechanical properties in FeGaB thin films. Applied Physics Letters, 2018, 113, .	3.3	53
27	Future Antenna Miniaturization Mechanism: Magnetoelectric Antennas. , 2018, , .		15
28	NEMS Magnetoelectric Antennas for Biomedical Application. , 2018, , .		9
29	Highly sensitive integrated flexible tactile sensors with piezoresistive Ge ₂ Sb ₂ Te ₅ thin films. Npj Flexible Electronics, 2018, 2, .	10.7	21
30	Ultra-sensitive NEMS magnetoelectric sensor for picotesla DC magnetic field detection. Applied Physics Letters, 2017, 110, .	3.3	83
31	Highly Sensitive DC Magnetic Field Sensor Based on Nonlinear ME Effect. , 2017, 1, 1-4.		50