

# Yifan He

## List of Publications by Year in descending order

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papers

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docs citations

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times ranked

353  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A Review of Thin-Film Magnetoelastic Materials for Magnetolectric Applications. Sensors, 2020, 20, 1532.	3.8	69
3	NanoNeuroRFID: A Wireless Implantable Device Based on Magnetolectric Antennas. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2019, 3, 206-215.	3.4	66
4	Ultra-compact mechanical antennas. Applied Physics Letters, 2020, 117, .	3.3	47
5	Roadmap on Magnetolectric Materials and Devices. IEEE Transactions on Magnetics, 2021, 57, 1-57.	2.1	43
6	Voltage-Driven Nonlinearity in Magnetolectric Heterostructures. Physical Review Applied, 2019, 12, .	3.8	24
7	Integrated Tunable Magnetolectric RF Inductors. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 951-963.	4.6	20
8	Magnetostriction, Soft Magnetism, and Microwave Properties in $\text{CoFe/C}$ Alloy Films. Physical Review Applied, 2019, 12, .	3.8	16
9	Fabrication and Characterization of Bi <sub>2</sub> Te <sub>3</sub> -Based Chip-Scale Thermoelectric Energy Harvesting Devices. Journal of Electronic Materials, 2017, 46, 2844-2846.	2.2	14
10	Thin Film Magnetolectric Sensors Toward Biomagnetism: Materials, Devices, and Applications. Advanced Electronic Materials, 2022, 8, .	5.1	14
11	Integrated Tunable Bandstop Filter Using Self-Biased FeGaB/Al <sub>2</sub> O <sub>3</sub> Multilayer Thin Film. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	10
12	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
13	Nonreciprocal Isolating Bandpass Filter With Enhanced Isolation Using Metallized Ferrite. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 5307-5316.	4.6	8
14	Voltage control of magnetism in NiZn ferrite/mica/PMNPT heterostructure with giant tunability and narrow linewidth. Applied Physics Letters, 2018, 112, 192903.	3.3	7
15	High-Performance On-Chip Hot-Pressed NdFeB Hard Magnets for MEMS Applications. IEEE Transactions on Magnetics, 2021, 57, 1-4.	2.1	5
16	Integrated Magnetics and Magnetolectrics for Sensing, Power, RF, and Microwave Electronics. IEEE Journal of Microwaves, 2021, 1, 908-929.	6.5	5
17	Multiferroic Composites. , 2021, , 225-240.		1
18	Electrostatically Tunable Mutual Inductance for Frequency Splitting Elimination in Wireless Power Transfer. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	1