Jingen Wu

List of Publications by Year in descending order

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40	1,145	567281 15	395702 33
papers	citations	h-index	g-index

40	40	40	1087
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Piezoelectric Actuators and Motors: Materials, Designs, and Applications. Advanced Materials Technologies, 2020, 5, 1900716.	5.8	224
2	Giant Piezoelectric Coefficients in Relaxor Piezoelectric Ceramic PNNâ€PZT for Vibration Energy Harvesting. Advanced Functional Materials, 2018, 28, 1706895.	14.9	152
3	Enhanced Resonance Magnetoelectric Coupling in (1â€1) Connectivity Composites. Advanced Materials, 2017, 29, 1606022.	21.0	137
4	Highâ€Temperature BiScO₃â€PbTiO₃ Piezoelectric Vibration Energy Harvester. Advanced Functional Materials, 2016, 26, 7186-7194.	14.9	116
5	Giant Piezoelectricity of Ternary Perovskite Ceramics at High Temperatures. Advanced Functional Materials, 2019, 29, 1807920.	14.9	50
6	A barbell-shaped high-temperature piezoelectric vibration energy harvester based on BiScO3-PbTiO3 ceramic. Applied Physics Letters, 2016, 109, .	3.3	47
7	A magnetoelectric flux gate: new approach for weak DC magnetic field detection. Scientific Reports, 2017, 7, 8592.	3.3	32
8	A flexible, wave-shaped P(VDF-TrFE)/metglas piezoelectric composite for wearable applications. Journal of Applied Physics, 2016, 120, .	2.5	31
9	MnO 2 doped PSNâ€“PZNâ€“PZT piezoelectric ceramics for resonant actuator application. Journal of Alloys and Compounds, 2014, 615, 676-682.	5.5	29
10	A multilayered-cylindrical piezoelectric shear actuator operating in shear (d15) mode. Applied Physics Letters, 2018, 112, .	3.3	26
11	Magnetoelectric devices based on magnetoelectric bulk composites. Journal of Materials Chemistry C, 2021, 9, 5594-5614.	5.5	26
12	A modified barbell-shaped PNN-PZT-PIN piezoelectric ceramic energy harvester. Applied Physics Letters, 2017, 111, .	3.3	25
13	Electric Field-Tunable Giant Magnetoresistance (GMR) Sensor with Enhanced Linear Range. ACS Applied Materials & Interfaces, 2020, 12, 8855-8861.	8.0	25
14	Ultralow dielectric loss of BiScO3-PbTiO3 ceramics by Bi(Mn1/2Zr1/2)O3 modification. Journal of the European Ceramic Society, 2020, 40, 3003-3010.	5.7	22
15	Investigation on Resonant Vibration Performances of Feâ€Doped BiScO₃â€“PbTiO₃ Ceramics in Highâ€Temperature Environment. Journal of the American Ceramic Society, 2015, 98, 3145-3152.	3.8	19
16	A Magnetoelectric Compass for In-Plane AC Magnetic Field Detection. IEEE Transactions on Industrial Electronics, 2021, 68, 3527-3536.	7.9	16
17	Enhanced piezoelectric performance of BiScO3-PbTiO3 ceramics modified by 0.03Pb(Sb1/2Nb1/2)O3. Journal of Alloys and Compounds, 2018, 731, 1140-1145.	5.5	15
18	A ring-shaped, linear piezoelectric ultrasonic motor operating in E01 mode. Applied Physics Letters, 2020, 116, .	3.3	15

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19	Reconfigurable Magnetoresistive Sensor Based on Magnetoelectric Coupling. Advanced Electronic Materials, 2020, 6, 1901061.	5.1	12
20	A Piezoelectric and Electromagnetic Dual Mechanism Multimodal Linear Actuator for Generating Macro- and Nanomotion. Research, 2019, 2019, 8232097.	5.7	12
21	Electrode shape dependence of the barbell-shaped magneto-mechano-electric energy harvester for low-frequency applications. Sensors and Actuators A: Physical, 2019, 297, 111535.	4.1	10
22	Quantitative studies of domain evolution in tetragonal BSâ€“PT ceramics in electric poling and thermal depoling processes. Journal of Materials Chemistry C, 2019, 7, 4517-4526.	5.5	10
23	A diffraction-plane-transformation model for quantitatively evaluating 90Â° domain evolution in tetragonal BS-PT piezoelectric ceramic. Journal of Alloys and Compounds, 2018, 745, 669-676.	5.5	9
24	A ring-shaped linear ultrasonic motor based on PSN-PMS-PZT ceramic. Sensors and Actuators A: Physical, 2020, 309, 112036.	4.1	9
25	Quantitative domain engineering for realizing d36 piezoelectric coefficient in tetragonal ceramics. Acta Materialia, 2020, 188, 416-423.	7.9	9
26	Unconventional piezoelectric coefficients in perovskite piezoelectric ceramics. Journal of Materiomics, 2021, 7, 254-263.	5.7	9
27	Voltage Control of Perpendicular Exchange Bias in Multiferroic Heterostructures. Advanced Electronic Materials, 2019, 5, 1900192.	5.1	8
28	Magnetic Sensor Based on Giant Magneto-Impedance in Commercial Inductors. IEEE Transactions on Industrial Electronics, 2021, 68, 7577-7583.	7.9	7
29	Tailoring Artificial Mode to Enable Cofired Integration of Shearâ€type Piezoelectric Devices. Advanced Science, 2020, 7, 2001368.	11.2	7
30	Vector analysis of electric-field-induced antiparallel magnetic domain evolution in ferromagnetic/ferroelectric heterostructures. Journal of Advanced Ceramics, 0, , 1.	17.4	7
31	Magnetoelectric coupling of a magnetoelectric flux gate sensor in vibration noise circumstance. AIP Advances, 2018, 8, .	1.3	6
32	A high-resolution electric field sensor based on piezoelectric bimorph composite. Smart Materials and Structures, 2022, 31, 025008.	3.5	5
33	Highly Sensitive Magneto-Mechano-Electric Magnetic Field Sensor Based on Torque Effect. IEEE Sensors Journal, 2021, 21, 1409-1416.	4.7	4
34	Ferromagnetic Resonance Vector Magnetic Sensor with High Sensitivity and Ultrawide Working Range. Advanced Materials Technologies, 2022, 7, 2100919.	5.8	4
35	Enhancing the Linearity of Giant Magnetoresistance Sensors by Magnetic Anisotropic Design and Low Temperature Annealing. IEEE Sensors Journal, 2021, 21, 27393-27399.	4.7	3
36	Strong dependence of magnetic damping and magnetization on deposition temperature in highly magnetostrictive NiZnAl ferrite thin films. IEEE Transactions on Magnetics, 2021, , 1-1.	2.1	2

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37	Magnetic Field Sensor Based on Magnetic Torque Effect and Surface Acoustic Wave With Enhanced Sensitivity. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	2
38	Thermally activated giant piezoelectricity and enhanced interface elastic strainâ€mediated magnetoelectric coupling. Journal of the American Ceramic Society, 2021, 104, 896-902.	3.8	1
39	Vector imaging of electric field-induced reversible magnetization reversal in exchange-biased multiferroic heterostructures. Science China Materials, 2022, 65, 186-192.	6.3	1
40	A Magnetic Field Imaging System Based on TMR Sensors for Banknote Recognition. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	4.7	1