

Lei Chen

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

106
citations

1478505

6
h-index

1372567

10
g-index

14
all docs

14
docs citations

14
times ranked

89
citing authors

#	ARTICLE	IF	CITATIONS
1	Resonance magnetoelectric couplings of piezoelectric ceramic and ferromagnetic constant-elasticity alloy composites with different layer structures. <i>Journal of Alloys and Compounds</i> , 2013, 555, 156-160.	5.5	24
2	The magnetostrictive material effects on magnetic field sensitivity for magnetoelectric sensor. <i>Journal of Applied Physics</i> , 2012, 111, 07E503.	2.5	22
3	Transverse, longitudinal and perpendicular giant magnetoimpedance effects in a compact multiturn meander NiFe/Cu/NiFe trilayer film sensor. <i>Measurement Science and Technology</i> , 2011, 22, 035202.	2.6	15
4	Low-Frequency Magnetic Field Detection Using Magnetoelectric Sensor With Optimized Metglas Layers by Frequency Modulation. <i>IEEE Sensors Journal</i> , 2022, 22, 4028-4035.	4.7	9
5	Multitrack Detection With 2-D Iterative Soft Estimate Aided Neural Network Equalizer for Heat-Assisted Interlaced Magnetic Recording. <i>IEEE Transactions on Magnetics</i> , 2021, 57, 1-8.	2.1	7
6	The effects of the soft magnetic alloys™ material characteristics on resonant magnetoelectric coupling for magnetostrictive/piezoelectric composites. <i>Smart Materials and Structures</i> , 2019, 28, 045003.	3.5	6
7	Enhanced dc Magnetic Field Sensitivity for Coupled ac Magnetic Field and Stress Driven Soft Magnetic Laminate Heterostructure. <i>IEEE Sensors Journal</i> , 2020, 20, 14756-14763.	4.7	6
8	A giant magnetoimpedance effect based nonvolatile Boolean logic gate. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 035001.	2.8	4
9	Theoretical analyses of magnetoelectric effects for magnetostrictive/radial mode piezoelectric transformer composite under dual ac stress and magnetic field modulation. <i>Smart Materials and Structures</i> , 2021, 30, 075018.	3.5	4
10	Dependence of Modified Butterworth Van-Dyke Model Parameters and Magnetoimpedance on DC Magnetic Field for Magnetoelectric Composites. <i>Materials</i> , 2021, 14, 4730.	2.9	4
11	Multitrack Detection With Two-Dimensional Hybrid Equalizer for High-Density Bit-Patterned Media Recording. <i>IEEE Magnetics Letters</i> , 2020, 11, 1-5.	1.1	2
12	Realization of Nonvolatile Multistate Memory and All 16 Boolean Logic Functions in a Single Self-Biased Magnetoimpedance Device. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 4910-4917.	3.0	1
13	Multitrack Detection With a Two-Dimensional Soft-Transition Assisted Multitask Neural Network for Heat-Assisted Interlaced Magnetic Recording. <i>IEEE Magnetics Letters</i> , 2021, 12, 1-5.	1.1	1
14	The Study of Magnetoimpedance Effect for Magnetoelectric Laminate Composites with Different Magnetostrictive Layers. <i>Materials</i> , 2021, 14, 6397.	2.9	1