

Mingqiang Bao

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,399
citations

567281

15
h-index

752698

20
g-index

25
all docs

25
docs citations

25
times ranked

1657
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnonic logic circuits. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 264005.	2.8	519
2	Spin Wave Magnetic NanoFabric: A New Approach to Spin-Based Logic Circuitry. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 2141-2152.	2.1	199
3	Domain engineered switchable strain states in ferroelectric (011) $[\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3](1-x)-[\text{PbTiO}_3]x$ (PMN-PT, $x \approx 0.32$) single crystals. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	157
4	Electric-field-induced spin wave generation using multiferroic magnetoelectric cells. <i>Applied Physics Letters</i> , 2014, 104, 082403.	3.3	144
5	Giant random telegraph signals in the carbon nanotubes as a single defect probe. <i>Applied Physics Letters</i> , 2005, 86, 163102.	3.3	59
6	One-dimensional transport of In_2O_3 nanowires. <i>Applied Physics Letters</i> , 2005, 86, 213101.	3.3	50
7	Unidirectional propagation of magnetostatic surface spin waves at a magnetic film surface. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	32
8	Coplanar waveguide radio frequency ferromagnetic parametric amplifier. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	28
9	Magneto-electric tuning of the phase of propagating spin waves. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	28
10	Engineering of tunnel junctions for prospective spin injection in germanium. <i>Applied Physics Letters</i> , 2009, 94, 242104.	3.3	27
11	Magnetic cellular nonlinear network with spin wave bus for image processing. <i>Superlattices and Microstructures</i> , 2010, 47, 464-483.	3.1	25
12	Accurately measuring current-voltage characteristics of tunnel diodes. <i>IEEE Transactions on Electron Devices</i> , 2006, 53, 2564-2568.	3.0	24
13	A Three-Terminal Spin-Wave Device for Logic Applications. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2010, 4, 394-397.	0.5	22
14	Efficiency of Spin-Wave Bus for Information Transmission. <i>IEEE Transactions on Electron Devices</i> , 2007, 54, 3418-3421.	3.0	17
15	Determining wave vector and material property from the phase-shift of spin-wave propagation. <i>Europhysics Letters</i> , 2008, 84, 27009.	2.0	16
16	Coulomb attractive random telegraph signal in a single-walled carbon nanotube. <i>Physical Review B</i> , 2006, 74, .	3.2	13
17	Determination of the Small Band Gap of Carbon Nanotubes Using the Ambipolar Random Telegraph Signal. <i>Nano Letters</i> , 2005, 5, 1333-1336.	9.1	12
18	Spin Wave Logic Circuit on Silicon Platform. , 2008, , .		10

#	ARTICLE	IF	CITATIONS
19	Logic Devices with Spin Wave Buses - an Approach to Scalable Magneto-Electric Circuitry. Materials Research Society Symposia Proceedings, 2008, 1067, 1.	0.1	8
20	Electrical tuning of metastable dielectric constant of ferroelectric single crystals for low-power electronics. Applied Physics Letters, 2011, 99, .	3.3	6
21	Magnetic cellular nonlinear network with spin wave bus. , 2010, , .		2
22	Spin Wave Based Logic Circuits. Materials Research Society Symposia Proceedings, 2007, 998, 1.	0.1	1
23	Coplanar waveguide radio frequency ferromagnetic parametric amplifier. , 2008, , .		0
24	A magnetic amplifier for amplifying spin-wave signal. , 2009, , .		0
25	Nonreciprocal amplification of spin-wave signals. , 2010, , .		0