

Ruifang Wang

List of Publications by Year in descending order

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22
papers

2,376
citations

567281

15
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

3078
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial "spin ice"™ in a geometrically frustrated lattice of nanoscale ferromagnetic islands. <i>Nature</i> , 2006, 439, 303-306.	27.8	729
2	Octapod iron oxide nanoparticles as high-performance T2 contrast agents for magnetic resonance imaging. <i>Nature Communications</i> , 2013, 4, 2266.	12.8	399
3	Highly enhanced Curie temperature in low-temperature annealed [Ga,Mn]As epilayers. <i>Applied Physics Letters</i> , 2003, 82, 2302-2304.	3.3	302
4	Interplay between Longitudinal and Transverse Contrasts in Fe ₃ O ₄ Nanoplates with (111) Exposed Surfaces. <i>ACS Nano</i> , 2014, 8, 7976-7985.	14.6	157
5	Saturated ferromagnetism and magnetization deficit in optimally annealed Ga _{1-x} Mn _x As epilayers. <i>Physical Review B</i> , 2002, 66, .	3.2	135
6	Artificial local magnetic field inhomogeneity enhances T2 relaxivity. <i>Nature Communications</i> , 2017, 8, 15468.	12.8	114
7	Energy Minimization and ac Demagnetization in a Nanomagnet Array. <i>Physical Review Letters</i> , 2008, 101, 037205.	7.8	109
8	Ground State Lost but Degeneracy Found: The Effective Thermodynamics of Artificial Spin Ice. <i>Physical Review Letters</i> , 2007, 98, 217203.	7.8	108
9	Demagnetization protocols for frustrated interacting nanomagnet arrays. <i>Journal of Applied Physics</i> , 2007, 101, 09J104.	2.5	66
10	The Roles of Morphology on the Relaxation Rates of Magnetic Nanoparticles. <i>ACS Nano</i> , 2018, 12, 4605-4614.	14.6	62
11	Composite Block Polymer Microfabricated Silicon Nanoporous Membrane. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 888-893.	8.0	55
12	Sub-nanosecond switching of vortex cores using a resonant perpendicular magnetic field. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	41
13	Coercive field and magnetization deficit in Ga _{1-x} Mn _x As epilayers. <i>Journal of Applied Physics</i> , 2003, 93, 6784-6786.	2.5	33
14	Spontaneous alignment of self-assembled ABC triblock terpolymers for large-area nanolithography. <i>Applied Physics Letters</i> , 2008, 93, 133112.	3.3	16
15	Spin-wave focusing induced skyrmion generation. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	15
16	Deep sub-nanosecond reversal of vortex cores confined in a spin-wave potential well. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	11
17	Resonance beyond frequency-matching: multidimensional resonance. <i>New Journal of Physics</i> , 2017, 19, 033012.	2.9	3
18	Unusual spin-wave dynamics in core-shell magnetic nanodisks. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 465, 495-499.	2.3	2

#	ARTICLE	IF	CITATIONS
19	Spin dynamics of anisotropic azimuthal modes in heterogeneous magnetic nanodisks. Journal of Magnetism and Magnetic Materials, 2019, 486, 165291.	2.3	2
20	Ultrafast annular-magnetic-field-driven vortex-core reversals. AIP Advances, 2016, 6, .	1.3	1
21	Chirality-dependent propagations of domain walls in L-shaped nanostrips under unidirectional fields. Japanese Journal of Applied Physics, 2017, 56, 120307.	1.5	1
22	Ditch-typed step-edge grain boundary junction and rf SQUID. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2479-2480.	1.2	0