

# 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	Spin-wave focusing induced skyrmion generation. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	15
2	Spin dynamics of anisotropic azimuthal modes in heterogeneous magnetic nanodisks. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 486, 165291.	2.3	2
3	The Roles of Morphology on the Relaxation Rates of Magnetic Nanoparticles. <i>ACS Nano</i> , 2018, 12, 4605-4614.	14.6	62
4	Unusual spin-wave dynamics in core-shell magnetic nanodisks. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 465, 495-499.	2.3	2
5	Artificial local magnetic field inhomogeneity enhances T2 relaxivity. <i>Nature Communications</i> , 2017, 8, 15468.	12.8	114
6	Resonance beyond frequency-matching: multidimensional resonance. <i>New Journal of Physics</i> , 2017, 19, 033012.	2.9	3
7	Chirality-dependent propagations of domain walls in L-shaped nanostrips under unidirectional fields. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 120307.	1.5	1
8	Ultrafast annular-magnetic-field-driven vortex-core reversals. <i>AIP Advances</i> , 2016, 6, .	1.3	1
9	Deep sub-nanosecond reversal of vortex cores confined in a spin-wave potential well. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	11
10	Interplay between Longitudinal and Transverse Contrasts in Fe <sub>3</sub> O <sub>4</sub> Nanoplates with (111) Exposed Surfaces. <i>ACS Nano</i> , 2014, 8, 7976-7985.	14.6	157
11	Octapod iron oxide nanoparticles as high-performance T2 contrast agents for magnetic resonance imaging. <i>Nature Communications</i> , 2013, 4, 2266.	12.8	399
12	Sub-nanosecond switching of vortex cores using a resonant perpendicular magnetic field. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	41
13	Composite Block Polymer~Microfabricated Silicon Nanoporous Membrane. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 888-893.	8.0	55
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	Energy Minimization and ac Demagnetization in a Nanomagnet Array. <i>Physical Review Letters</i> , 2008, 101, 037205.	7.8	109
16	Ground State Lost but Degeneracy Found: The Effective Thermodynamics of Artificial Spin Ice. <i>Physical Review Letters</i> , 2007, 98, 217203.	7.8	108
17	Demagnetization protocols for frustrated interacting nanomagnet arrays. <i>Journal of Applied Physics</i> , 2007, 101, 09J104.	2.5	66
18	Artificial "spin ice"™ in a geometrically frustrated lattice of nanoscale ferromagnetic islands. <i>Nature</i> , 2006, 439, 303-306.	27.8	729

#	ARTICLE	IF	CITATIONS
19	Highly enhanced Curie temperature in low-temperature annealed [Ga,Mn]As epilayers. Applied Physics Letters, 2003, 82, 2302-2304.	3.3	302
20	Coercive field and magnetization deficit in Ga <sub>1-x</sub> MnxAs epilayers. Journal of Applied Physics, 2003, 93, 6784-6786.	2.5	33
21	Saturated ferromagnetism and magnetization deficit in optimally annealed Ga <sub>1-x</sub> MnxAs epilayers. Physical Review B, 2002, 66, .	3.2	135
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