

# Xiangjun Xing

## List of Publications by Year in descending order

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36  
papers

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citations

566801

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610482

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36  
docs citations

36  
times ranked

868  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable skyrmion- $\pi$ -edge interaction in magnetic multilayers by interlayer exchange coupling. AIP Advances, 2022, 12, .	0.6	5
2	Amplifying spin waves along Néel domain wall by spin-orbit torque. Applied Physics Letters, 2021, 118, .	1.5	4
3	Stress tunable magnetic stripe domains in flexible Fe <sub>81</sub> Ga <sub>19</sub> films. Journal Physics D: Applied Physics, 2020, 53, 055001.	1.3	19
4	Enhanced skyrmion motion via strip domain wall. Physical Review B, 2020, 101, .	1.1	23
5	Magnetic Skyrmion Tubes as Nonplanar Magnonic Waveguides. Physical Review Applied, 2020, 13, .	1.5	23
6	SURFACE-COVERED 1 $\mu$ m-3 GRATING WITH DIELECTRIC-METAL SLABS UNDER SECOND BRAGG INCIDENCE. Surface Review and Letters, 2020, 27, 1950201.	0.5	1
7	Research on reflective three-output by packaged grating under second Bragg angle. Modern Physics Letters B, 2019, 33, 1950305.	1.0	4
8	Dual-function splitting of the embedded grating with connecting layer. Modern Physics Letters B, 2019, 33, 1850129.	1.0	2
9	Formation of 1 $\mu$ m-3 splitting by embedded double-layer reflective grating under second Bragg illumination. Modern Physics Letters B, 2019, 33, 1950420.	1.0	6
10	Modes simulation and numerical optimization of encapsulated connecting-layer grating for high efficiency. Modern Physics Letters B, 2018, 32, 1850386.	1.0	1
11	Stress-controlled dynamic susceptibility in FeGa stripes. Journal of Applied Physics, 2018, 123, .	1.1	7
12	Three-layer polarization-selective dielectric transmission grating with the enhanced angular bandwidth. Superlattices and Microstructures, 2018, 122, 563-569.	1.4	2
13	Paving Spin-Wave Fibers in Magnonic Nanocircuits Using Spin-Orbit Torque. Physical Review Applied, 2017, 7, .	1.5	16
14	Current-controlled unidirectional edge-meron motion. Journal of Applied Physics, 2016, 120, .	1.1	10
15	Fiber optics for spin waves. NPG Asia Materials, 2016, 8, e246-e246.	3.8	55
16	Skyrmion domain wall collision and domain wall-gated skyrmion logic. Physical Review B, 2016, 94, .	1.1	63
17	Frequency-selective manipulation of spin waves: micromagnetic texture as amplitude valve and mode modulator. New Journal of Physics, 2015, 17, 023020.	1.2	3
18	Excitation of antisymmetric modes and modulated propagation of spin waves in bent magnonic waveguides. Journal Physics D: Applied Physics, 2015, 48, 215004.	1.3	13

#	ARTICLE	IF	CITATIONS
19	How do spin waves pass through a bend?. Scientific Reports, 2013, 3, 2958.	1.6	40
20	Engineering spin-wave channels in submicrometer magnonic waveguides. AIP Advances, 2013, 3, .	0.6	18
21	Edge-state-dependent tunneling of dipole-exchange spin waves in submicrometer magnetic strips with an air gap. Nanotechnology, 2012, 23, 495202.	1.3	2
22	Laser reactivation of Room-T c ferromagnetism in Mn-doped insulating TiO2 thin films. Applied Physics A: Materials Science and Processing, 2010, 98, 417-421.	1.1	5
23	Spin-transfer torque driven magnetic antivortex dynamics by sudden excitation of a spin-polarized dc. Journal of Applied Physics, 2009, 105, 093902.	1.1	2
24	Structures and magnetic properties of p-type Mn:TiO2 dilute magnetic semiconductor thin films. Journal of Applied Physics, 2009, 106, .	1.1	37
25	Resistive dependence of magnetic properties in nonvolatile Ti/Mn:TiO2/SrTi0.993Nb0.007O3/Ti memory device. Applied Physics Letters, 2009, 94, .	1.5	24
26	N-derived signals in the x-ray photoelectron spectra of N-doped anatase TiO2. Journal of Applied Physics, 2009, 105, .	1.1	27
27	Modulation of propagation characteristics of spin waves induced by perpendicular electric currents. Applied Physics Letters, 2009, 95, 142508.	1.5	6
28	Effects of depositing rate on structure and magnetic properties of Mn:TiO2 films grown by plasma-assisted molecular beam epitaxy. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 156, 90-93.	1.7	15
29	Exchange-compelled vortices on magnetic core-shell cylinders and their spin-transfer torque driven dynamics. Journal of Applied Physics, 2009, 105, 103909.	1.1	1
30	Preparation and magnetic properties of BiFeO3 films in trilayered Bi3.25La0.75Ti3O12/BiFeO3/Bi3.25La0.75Ti3O12 structures. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 147, 95-99.	1.7	18
31	Enhancement of ferromagnetism upon thermal annealing in plasma assisted MBE grown mixed-phase Mn-doped insulating TiO2 thin films. Applied Physics A: Materials Science and Processing, 2008, 92, 361-365.	1.1	28
32	Magnetic Properties of $\hat{I}^2$ -MnO <sub>2</sub> Thin Films Grown by Plasma-Assisted Molecular Beam Epitaxy. Journal of Physical Chemistry C, 2008, 112, 15526-15531.	1.5	28
33	Room-temperature ferromagnetism in (Mn, N)-codoped TiO2 films grown by plasma assisted molecular beam epitaxy. Journal of Applied Physics, 2008, 104, 093914.	1.1	9
34	Surface reconstruction evolution and anatase formation in the process of oxidation of titanium nitride film. Journal of Applied Physics, 2008, 103, 063517.	1.1	6
35	Reverse-bias-induced bipolar resistance switching in Pt $\hat{I}$ •TiO2 $\hat{I}$ •SrTi0.99Nb0.01O3 $\hat{I}$ •Pt devices. Applied Physics Letters, 2008, 93, 043502.	1.5	54
36	Bloch-point-mediated magnetic antivortex core reversal triggered by sudden excitation of a suprathreshold spin-polarized current. Applied Physics Letters, 2008, 93, 202507.	1.5	9