

# Xiangjun Xing

## List of Publications by Year in descending order

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36  
papers

586  
citations

566801

15  
h-index

610482

24  
g-index

36  
all docs

36  
docs citations

36  
times ranked

868  
citing authors

#	ARTICLE	IF	CITATIONS
1	Skyrmion domain wall collision and domain wall-gated skyrmion logic. <i>Physical Review B</i> , 2016, 94, .	1.1	63
2	Fiber optics for spin waves. <i>NPG Asia Materials</i> , 2016, 8, e246-e246.	3.8	55
3	Reverse-bias-induced bipolar resistance switching in Pt $\cdot$ TiO $\hat{a}$ $\cdot$ SrTi $0.99$ Nb $0.01$ O $3\hat{a}$ $\cdot$ Pt devices. <i>Applied Physics Letters</i> , 2008, 93, 043502.	1.5	54
4	How do spin waves pass through a bend?. <i>Scientific Reports</i> , 2013, 3, 2958.	1.6	40
5	Structures and magnetic properties of p-type Mn:TiO $2$ dilute magnetic semiconductor thin films. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	37
6	Enhancement of ferromagnetism upon thermal annealing in plasma assisted MBE grown mixed-phase Mn-doped insulating TiO $2$ thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 361-365.	1.1	28
7	Magnetic Properties of $\hat{I}^2$ -MnO $\langle sub \rangle 2 \langle /sub \rangle$ Thin Films Grown by Plasma-Assisted Molecular Beam Epitaxy. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15526-15531.	1.5	28
8	N-derived signals in the x-ray photoelectron spectra of N-doped anatase TiO $2$ . <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	27
9	Resistive dependence of magnetic properties in nonvolatile Ti/Mn:TiO $2$ /SrTi $0.993$ Nb $0.007$ O $3$ /Ti memory device. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	24
10	Enhanced skyrmion motion via strip domain wall. <i>Physical Review B</i> , 2020, 101, .	1.1	23
11	Magnetic Skyrmion Tubes as Nonplanar Magnonic Waveguides. <i>Physical Review Applied</i> , 2020, 13, .	1.5	23
12	Stress tunable magnetic stripe domains in flexible Fe $\langle sub \rangle 81 \langle /sub \rangle$ Ga $\langle sub \rangle 19 \langle /sub \rangle$ films. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 055001.	1.3	19
13	Preparation and magnetic properties of BiFeO $3$ films in trilayered Bi $3.25$ La $0.75$ Ti $3$ O $12$ /BiFeO $3$ /Bi $3.25$ La $0.75$ Ti $3$ O $12$ structures. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 147, 95-99.	1.7	18
14	Engineering spin-wave channels in submicrometer magnonic waveguides. <i>AIP Advances</i> , 2013, 3, .	0.6	18
15	Paving Spin-Wave Fibers in Magnonic Nanocircuits Using Spin-Orbit Torque. <i>Physical Review Applied</i> , 2017, 7, .	1.5	16
16	Effects of depositing rate on structure and magnetic properties of Mn:TiO $2$ films grown by plasma-assisted molecular beam epitaxy. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009, 156, 90-93.	1.7	15
17	Excitation of antisymmetric modes and modulated propagation of spin waves in bent magnonic waveguides. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 215004.	1.3	13
18	Current-controlled unidirectional edge-meron motion. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	10

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19	Room-temperature ferromagnetism in (Mn, N)-codoped TiO <sub>2</sub> films grown by plasma assisted molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2008, 104, 093914.	1.1	9
20	Bloch-point-mediated magnetic antivortex core reversal triggered by sudden excitation of a suprathreshold spin-polarized current. <i>Applied Physics Letters</i> , 2008, 93, 202507.	1.5	9
21	Stress-controlled dynamic susceptibility in FeGa stripes. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	7
22	Surface reconstruction evolution and anatase formation in the process of oxidation of titanium nitride film. <i>Journal of Applied Physics</i> , 2008, 103, 063517.	1.1	6
23	Modulation of propagation characteristics of spin waves induced by perpendicular electric currents. <i>Applied Physics Letters</i> , 2009, 95, 142508.	1.5	6
24	Formation of 1 Å–3 splitting by embedded double-layer reflective grating under second Bragg illumination. <i>Modern Physics Letters B</i> , 2019, 33, 1950420.	1.0	6
25	Laser reactivation of Room-T c ferromagnetism in Mn-doped insulating TiO <sub>2</sub> thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 98, 417-421.	1.1	5
26	Tunable skyrmion–edge interaction in magnetic multilayers by interlayer exchange coupling. <i>AIP Advances</i> , 2022, 12, .	0.6	5
27	Research on reflective three-output by packaged grating under second Bragg angle. <i>Modern Physics Letters B</i> , 2019, 33, 1950305.	1.0	4
28	Amplifying spin waves along Néel domain wall by spin–orbit torque. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	4
29	Frequency-selective manipulation of spin waves: micromagnetic texture as amplitude valve and mode modulator. <i>New Journal of Physics</i> , 2015, 17, 023020.	1.2	3
30	Spin-transfer torque driven magnetic antivortex dynamics by sudden excitation of a spin-polarized dc. <i>Journal of Applied Physics</i> , 2009, 105, 093902.	1.1	2
31	Edge-state-dependent tunneling of dipole-exchange spin waves in submicrometer magnetic strips with an air gap. <i>Nanotechnology</i> , 2012, 23, 495202.	1.3	2
32	Three-layer polarization-selective dielectric transmission grating with the enhanced angular bandwidth. <i>Superlattices and Microstructures</i> , 2018, 122, 563-569.	1.4	2
33	Dual-function splitting of the embedded grating with connecting layer. <i>Modern Physics Letters B</i> , 2019, 33, 1850129.	1.0	2
34	Exchange-compelled vortices on magnetic core-shell cylinders and their spin-transfer torque driven dynamics. <i>Journal of Applied Physics</i> , 2009, 105, 103909.	1.1	1
35	Modes simulation and numerical optimization of encapsulated connecting-layer grating for high efficiency. <i>Modern Physics Letters B</i> , 2018, 32, 1850386.	1.0	1
36	SURFACE-COVERED 1 Å–3 GRATING WITH DIELECTRIC-METAL SLABS UNDER SECOND BRAGG INCIDENCE. <i>Surface Review and Letters</i> , 2020, 27, 1950201.	0.5	1