

# Xufeng Zhang

## List of Publications by Year in descending order

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32  
papers

2,836  
citations

331670

21  
h-index

477307

29  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2022  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strongly Coupled Magnons and Cavity Microwave Photons. Physical Review Letters, 2014, 113, 156401.	7.8	693
2	Cavity magnomechanics. Science Advances, 2016, 2, e1501286.	10.3	395
3	Magnon dark modes and gradient memory. Nature Communications, 2015, 6, 8914.	12.8	293
4	Optomagnonic Whispering Gallery Microresonators. Physical Review Letters, 2016, 117, 123605.	7.8	278
5	Optical frequency comb generation from aluminum nitride microring resonator. Optics Letters, 2013, 38, 2810.	3.3	215
6	Experimental Observation of an Exceptional Surface in Synthetic Dimensions with Magnon Polaritons. Physical Review Letters, 2019, 123, 237202.	7.8	112
7	Optomagnonics in magnetic solids. Physical Review B, 2016, 94, .	3.2	90
8	Waveguide cavity optomagnonics for microwave-to-optics conversion. Optica, 2020, 7, 1291.	9.3	84
9	Electric-Field Coupling to Spin Waves in a Centrosymmetric Ferrite. Physical Review Letters, 2014, 113, 037202.	7.8	81
10	Quantum Engineering With Hybrid Magnonic Systems and Materials <i>(Invited Paper)</i>. IEEE Transactions on Quantum Engineering, 2021, 2, 1-36.	4.9	69
11	High- <i>Q</i> silicon optomechanical microdisk resonators at gigahertz frequencies. Applied Physics Letters, 2012, 100, .	3.3	65
12	Superstrong coupling of thin film magnetostatic waves with microwave cavity. Journal of Applied Physics, 2016, 119, .	2.5	62
13	Broadband Nonreciprocity Enabled by Strong Coupling of Magnons and Microwave Photons. Physical Review Applied, 2020, 13, .	3.8	56
14	Wedge mode of spoof surface plasmon polaritons at terahertz frequencies. Journal of Applied Physics, 2010, 108, 113104.	2.5	52
15	Floquet Cavity Electromagnonics. Physical Review Letters, 2020, 125, 237201.	7.8	39
16	Patterned growth of crystalline Y3Fe5O12 nanostructures with engineered magnetic shape anisotropy. Applied Physics Letters, 2017, 110, .	3.3	34
17	A superhigh-frequency optoelectromechanical system based on a slotted photonic crystal cavity. Applied Physics Letters, 2012, 101, .	3.3	28
18	Nonlinear optical effects of ultrahigh-Q silicon photonic nanocavities immersed in superfluid helium. Scientific Reports, 2013, 3, 1436.	3.3	26

#	ARTICLE	IF	CITATIONS
19	Low loss spin wave resonances in organic-based ferrimagnet vanadium tetracyanoethylene thin films. Applied Physics Letters, 2016, 109, .	3.3	25
20	Probing magnon-magnon coupling in exchange coupled $\text{Y}_3\text{Fe}_5\text{O}_{12}$ /Permalloy bilayers with magneto-optical effects. Scientific Reports, 2020, 10, 12548.	3.3	23
21	Low-frequency surface plasmon polaritons propagating along a metal film with periodic cut-through slits in symmetric or asymmetric environments. Journal of Applied Physics, 2009, 105, .	2.5	22
22	Guiding Terahertz Waves by a Single Row of Periodic Holes on a Planar Metal Surface. Plasmonics, 2011, 6, 301-305.	3.4	20
23	Triply resonant cavity electro-optomechanics at X-band. New Journal of Physics, 2014, 16, 063060.	2.9	16
24	Coherent Gate Operations in Hybrid Magnonics. Physical Review Letters, 2021, 126, 207202.	7.8	16
25	A 116- $\mu\text{m}$ -radius disk cavity in a sunflower-type circular photonic crystal with ultrahigh quality factor. Optics Letters, 2012, 37, 3195.	3.3	12
26	Coherent Pulse Echo in Hybrid Magnonics with Multimode Phonons. Physical Review Applied, 2021, 16, .	3.8	11
27	Hybrid Magnonics for Short-Wavelength Spin Waves Facilitated by a Magnetic Heterostructure. Physical Review Applied, 2022, 17, .	3.8	6
28	Compact, widely tunable, half-lambda YIG oscillator. , 2012, , .		5
29	Detecting Phase-Resolved Magnetization Dynamics by Magneto-Optic Effects at 1550 nm Wavelength. IEEE Transactions on Magnetics, 2021, 57, 1-7.	2.1	3
30	Triply resonant cavity electro-optomechanics at X-band. , 2014, , .		0
31	Nonlinear optical effects of ultrahigh-Q wavelength-sized silicon disk cavities immersed in superfluid helium. , 2013, , .		0
32	Switchable Optical Frequency Comb in Aluminum Nitride Microring Resonator. , 2014, , .		0