

# Xiaoxiao Wu

## List of Publications by Year in descending order

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26  
papers

982  
citations

567281

15  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1064  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct observation of valley-polarized topological edge states in designer surface plasmon crystals. Nature Communications, 2017, 8, 1304.	12.8	287
2	Low-frequency tunable acoustic absorber based on split tube resonators. Applied Physics Letters, 2016, 109, .	3.3	103
3	High-efficiency ventilated metamaterial absorber at low frequency. Applied Physics Letters, 2018, 112, .	3.3	87
4	Design and fabrication of magnetically functionalized flexible micropillar arrays for rapid and controllable microfluidic mixing. Lab on A Chip, 2015, 15, 2125-2132.	6.0	83
5	Ultra-open ventilated metamaterial absorbers for sound-silencing applications in environment with free air flows. Extreme Mechanics Letters, 2020, 39, 100786.	4.1	58
6	Su-Schrieffer-Heeger model inspired acoustic interface states and edge states. Applied Physics Letters, 2018, 113, .	3.3	55
7	Topological Corner Modes Induced by Dirac Vortices in Arbitrary Geometry. Physical Review Letters, 2021, 126, 226802.	7.8	37
8	Type-II Dirac Photons at Metasurfaces. Physical Review Letters, 2018, 121, 024301.	7.8	34
9	Manually tunable ventilated metamaterial absorbers. Applied Physics Letters, 2021, 118, .	3.3	31
10	Acoustic absorbers at low frequency based on split-tube metamaterials. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2361-2366.	2.1	30
11	Designing topological interface states in phononic crystals based on the full phase diagrams. New Journal of Physics, 2018, 20, 073032.	2.9	29
12	Topological interface states in multiscale spoof-insulator-spoof waveguides. Optics Letters, 2016, 41, 3698.	3.3	21
13	Multi-band metamaterial absorber with arbitrary polarization and wide-incident angle. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	20
14	Interlayer Topological Transport and Devices Based on Layer Pseudospins in Photonic Valleyâ€Hall Phases. Advanced Optical Materials, 2019, 7, 1900872.	7.3	19
15	Deterministic Scheme for Two-Dimensional Type-II Dirac Points and Experimental Realization in Acoustics. Physical Review Letters, 2020, 124, 075501.	7.8	19
16	A metasurface with bidirectional hyperbolic surface modes and position-sensing applications. NPG Asia Materials, 2018, 10, 417-428.	7.9	13
17	Steady and Unsteady Buckling of Viscous Capillary Jets and Liquid Bridges. Physical Review Letters, 2020, 125, 104502.	7.8	10
18	Three Dimensional and Homogenous Single Cell Cyclic Stretch within a Magnetic Micropillar Array (mMPA) for a Cell Proliferation Study. ACS Biomaterials Science and Engineering, 2016, 2, 65-72.	5.2	9

#	ARTICLE	IF	CITATIONS
19	Control the drying configuration of suspensions via regulating the surface topologies for surface-enhanced Raman scattering optimization. <i>Journal of Colloid and Interface Science</i> , 2017, 502, 67-76.	9.4	7
20	Automatically Adaptive Ventilated Metamaterial Absorber for Environment with Varying Noises. <i>Advanced Materials Technologies</i> , 2021, 6, 2100668.	5.8	7
21	Non-Hermitian topological coupler for elastic waves. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, 1.	5.1	7
22	Surface plasmon polaritons on the thin metallic film coated with symmetrical and asymmetrical dielectric gratings. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 485101.	2.8	6
23	Facile Control of Liquid-Rope Coiling With Tunable Electric Field Configuration. <i>Physical Review Applied</i> , 2019, 12, .	3.8	4
24	A valve-free 2D concentration gradient generator. <i>RSC Advances</i> , 2017, 7, 27833-27839.	3.6	3
25	Near-perfect transmission through thick apertures by inserting connected ring resonators. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	2
26	Force field nonlinear coupling and force/energy optimization in a field-induced system. <i>Applied Physics Letters</i> , 2021, 118, 183501.	3.3	1