

Xiaoxiao Wu

List of Publications by Year in descending order

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26
papers

982
citations

567144

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26
docs citations

26
times ranked

1064
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Non-Hermitian topological coupler for elastic waves. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1. | 2.0 | 7 |
| 2 | Manually tunable ventilated metamaterial absorbers. Applied Physics Letters, 2021, 118, . | 1.5 | 31 |
| 3 | Force field nonlinear coupling and force/energy optimization in a field-induced system. Applied Physics Letters, 2021, 118, 183501. | 1.5 | 1 |
| 4 | Topological Corner Modes Induced by Dirac Vortices in Arbitrary Geometry. Physical Review Letters, 2021, 126, 226802. | 2.9 | 37 |
| 5 | Automatically Adaptive Ventilated Metamaterial Absorber for Environment with Varying Noises. Advanced Materials Technologies, 2021, 6, 2100668. | 3.0 | 7 |
| 6 | Steady and Unsteady Buckling of Viscous Capillary Jets and Liquid Bridges. Physical Review Letters, 2020, 125, 104502. | 2.9 | 10 |
| 7 | Ultra-open ventilated metamaterial absorbers for sound-silencing applications in environment with free air flows. Extreme Mechanics Letters, 2020, 39, 100786. | 2.0 | 58 |
| 8 | Deterministic Scheme for Two-Dimensional Type-II Dirac Points and Experimental Realization in Acoustics. Physical Review Letters, 2020, 124, 075501. | 2.9 | 19 |
| 9 | Facile Control of Liquid-Rope Coiling With Tunable Electric Field Configuration. Physical Review Applied, 2019, 12, . | 1.5 | 4 |
| 10 | Interlayer Topological Transport and Devices Based on Layer Pseudospins in Photonic Valley-Hall Phases. Advanced Optical Materials, 2019, 7, 1900872. | 3.6 | 19 |
| 11 | Acoustic absorbers at low frequency based on split-tube metamaterials. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2361-2366. | 0.9 | 30 |
| 12 | High-efficiency ventilated metamaterial absorber at low frequency. Applied Physics Letters, 2018, 112, . | 1.5 | 87 |
| 13 | Su-Schrieffer-Heeger model inspired acoustic interface states and edge states. Applied Physics Letters, 2018, 113, . | 1.5 | 55 |
| 14 | A metasurface with bidirectional hyperbolic surface modes and position-sensing applications. NPG Asia Materials, 2018, 10, 417-428. | 3.8 | 13 |
| 15 | Near-perfect transmission through thick apertures by inserting connected ring resonators. Applied Physics A: Materials Science and Processing, 2018, 124, 1. | 1.1 | 2 |
| 16 | Designing topological interface states in phononic crystals based on the full phase diagrams. New Journal of Physics, 2018, 20, 073032. | 1.2 | 29 |
| 17 | Type-II Dirac Photons at Metasurfaces. Physical Review Letters, 2018, 121, 024301. | 2.9 | 34 |
| 18 | Control the drying configuration of suspensions via regulating the surface topologies for surface-enhanced Raman scattering optimization. Journal of Colloid and Interface Science, 2017, 502, 67-76. | 5.0 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | A valve-free 2D concentration gradient generator. RSC Advances, 2017, 7, 27833-27839. | 1.7 | 3 |
| 20 | Multi-band metamaterial absorber with arbitrary polarization and wide-incident angle. Applied Physics A: Materials Science and Processing, 2017, 123, 1. | 1.1 | 20 |
| 21 | Direct observation of valley-polarized topological edge states in designer surface plasmon crystals. Nature Communications, 2017, 8, 1304. | 5.8 | 287 |
| 22 | Surface plasmon polaritons on the thin metallic film coated with symmetrical and asymmetrical dielectric gratings. Journal Physics D: Applied Physics, 2017, 50, 485101. | 1.3 | 6 |
| 23 | Low-frequency tunable acoustic absorber based on split tube resonators. Applied Physics Letters, 2016, 109, . | 1.5 | 103 |
| 24 | Topological interface states in multiscale spoof-insulator-spoof waveguides. Optics Letters, 2016, 41, 3698. | 1.7 | 21 |
| 25 | 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. | 2.6 | 9 |
| 26 | Design and fabrication of magnetically functionalized flexible micropillar arrays for rapid and controllable microfluidic mixing. Lab on A Chip, 2015, 15, 2125-2132. | 3.1 | 83 |