# Fuyin

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 23 papers | 509 citations | 687335 13 h-index | 677123 22 g-index |
| 23 all docs | 23 docs citations | 23 times ranked | 183 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Multi-band selective acoustic valley transport through band separation of topological interface states. Journal Physics D: Applied Physics, 2022, 55, 045301. | 2.8 | 3 |
| 2 | Enhancing of broadband sound absorption through soft matter. Materials Horizons, 2022, 9, 653-662. | 12.2 | 31 |
| 3 | Acoustic focusing and imaging via phononic crystal and acoustic metamaterials. Journal of Applied Physics, 2022, 131, . | 2.5 | 44 |
| 4 | A three-dimensional broadband underwater acoustic concentrator. Journal Physics D: Applied Physics, 2022, 55, 195110. | 2.8 | 5 |
| 5 | An underwater planar lens for broadband acoustic concentrator. Applied Physics Letters, 2022, 120, . | 3.3 | 16 |
| 6 | Bistable sound insulator with an abrupt stiffness shift using magnetic-coupled dielectric elastomer actuator. Smart Materials and Structures, 2022, 31, 065012. | 3.5 | 3 |
| 7 | Realizing polarization band gaps and fluid-like elasticity by thin-plate elastic metamaterials. Composite Structures, 2021, 262, 113351. | 5.8 | 15 |
| 8 | A controllable low-frequency broadband sound absorbing metasurface. Journal Physics D: Applied Physics, 2021, 54, 355109. | 2.8 | 16 |
| 9 | Structural designs, principles, and applications of thin-walled membrane and plate-type acoustic/elastic metamaterials. Journal of Applied Physics, 2021, 129, . | 2.5 | 58 |
| 10 | Highly Efficient Lowâ€Frequency Broadband Sound Absorption with a Composite Hybrid Metasurface. Advanced Engineering Materials, 2021, 23, 2100791. | 3.5 | 6 |
| 11 | Resonant-scattering hybrid device for multiband acoustic topology valley transmission. Physical Review B, 2021, 104, . | 3.2 | 8 |
| 12 | Ultralight plat-type vibration damper with designable working bandwidth and strong multi-peak suppression performance. Journal Physics D: Applied Physics, 2021, 54, 055303. | 2.8 | 16 |
| 13 | Highly Efficient Lowâ€Frequency Broadband Sound Absorption with a Composite Hybrid Metasurface. Advanced Engineering Materials, 2021, 23, 2170041. | 3.5 | 4 |
| 14 | Experimental study on performance of time reversal focusing. Journal Physics D: Applied Physics, 2020, 53, 055302. | 2.8 | 9 |
| 15 | Time-delayed acoustic sink for extreme sub-wavelength focusing. Mechanical Systems and Signal Processing, 2020, 141, 106492. | 8.0 | 32 |
| 16 | Realizing broadband sub-wavelength focusing and a high intensity enhancement with a space-time synergetic modulated acoustic prison. Journal of Materials Chemistry C, 2020, 8, 9511-9519. | 5.5 | 15 |
| 17 | Multi-source time reversal focusing for airborne sound. Applied Acoustics, 2020, 163, 107207. | 3.3 | 6 |
| 18 | Expanding the strong absorption band by impedance matched mosquito-coil-like acoustic metamaterials. Review of Scientific Instruments, 2020, 91, 025102. | 1.3 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A thin multi-order Helmholtz metamaterial with perfect broadband acoustic absorption. Applied Physics Express, 2019, 12, 084002. | 2.4 | 55 |
| 20 | Modal displacement method for extracting the bending wave bandgap of plate-type acoustic metamaterials. Applied Physics Express, 2019, 12, 074004. | 2.4 | 18 |
| 21 | Pure solid acoustic metasurface with coating adapter. Applied Physics Express, 2019, 12, 054003. | 2.4 | 9 |
| 22 | Three-dimensional acoustic sub-diffraction focusing by coiled metamaterials with strong absorption. Journal of Materials Chemistry C, 2019, 7, 5131-5138. | 5.5 | 63 |
| 23 | A thin low-frequency broadband metasurface with multi-order sound absorption. Journal Physics D: Applied Physics, 2019, 52, 105302. | 2.8 | 69 |