Fuyin

List of Publications by Year in descending order

Version: 2024-02-01

23 papers	509 citations	777949 13 h-index	759306 22 g-index
23 all docs	23 docs citations	23 times ranked	208 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.	1.3	3
2	Enhancing of broadband sound absorption through soft matter. Materials Horizons, 2022, 9, 653-662.	6.4	31
3	Acoustic focusing and imaging via phononic crystal and acoustic metamaterials. Journal of Applied Physics, 2022, 131, .	1.1	44
4	A three-dimensional broadband underwater acoustic concentrator. Journal Physics D: Applied Physics, 2022, 55, 195110.	1.3	5
5	An underwater planar lens for broadband acoustic concentrator. Applied Physics Letters, 2022, 120, .	1.5	16
6	Bistable sound insulator with an abrupt stiffness shift using magnetic-coupled dielectric elastomer actuator. Smart Materials and Structures, 2022, 31, 065012.	1.8	3
7	Realizing polarization band gaps and fluid-like elasticity by thin-plate elastic metamaterials. Composite Structures, 2021, 262, 113351.	3.1	15
8	A controllable low-frequency broadband sound absorbing metasurface. Journal Physics D: Applied Physics, 2021, 54, 355109.	1.3	16
9	Structural designs, principles, and applications of thin-walled membrane and plate-type acoustic/elastic metamaterials. Journal of Applied Physics, 2021, 129, .	1.1	58
10	Highly Efficient Lowâ€Frequency Broadband Sound Absorption with a Composite Hybrid Metasurface. Advanced Engineering Materials, 2021, 23, 2100791.	1.6	6
11	Resonant-scattering hybrid device for multiband acoustic topology valley transmission. Physical Review B, 2021, 104, .	1.1	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.	1.3	16
13	Highly Efficient Lowâ€Frequency Broadband Sound Absorption with a Composite Hybrid Metasurface. Advanced Engineering Materials, 2021, 23, 2170041.	1.6	4
14	Experimental study on performance of time reversal focusing. Journal Physics D: Applied Physics, 2020, 53, 055302.	1.3	9
15	Time-delayed acoustic sink for extreme sub-wavelength focusing. Mechanical Systems and Signal Processing, 2020, 141, 106492.	4.4	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.	2.7	15
17	Multi-source time reversal focusing for airborne sound. Applied Acoustics, 2020, 163, 107207.	1.7	6
18	Expanding the strong absorption band by impedance matched mosquito-coil-like acoustic metamaterials. Review of Scientific Instruments, 2020, 91, 025102.	0.6	8

#	Article	IF	Citations
19	A thin multi-order Helmholtz metamaterial with perfect broadband acoustic absorption. Applied Physics Express, 2019, 12, 084002.	1.1	55
20	Modal displacement method for extracting the bending wave bandgap of plate-type acoustic metamaterials. Applied Physics Express, 2019, 12, 074004.	1.1	18
21	Pure solid acoustic metasurface with coating adapter. Applied Physics Express, 2019, 12, 054003.	1.1	9
22	Three-dimensional acoustic sub-diffraction focusing by coiled metamaterials with strong absorption. Journal of Materials Chemistry C, 2019, 7, 5131-5138.	2.7	63
23	A thin low-frequency broadband metasurface with multi-order sound absorption. Journal Physics D: Applied Physics, 2019, 52, 105302.	1.3	69