Junfei Li

List of Publications by Year in Descending Order

34 papers	1,353 citations	19 h-index	36 g-index
37 ext. papers	1,766 ext. citations	6.3 avg, IF	5.04 L-index

#	Paper	IF	Citations
34	Three dimensional acoustic tweezers with vortex streaming. *Communications Physics*, **2021**, 4,	5.4	12
33	Electrically Tunable Surface Acoustic Wave Propagation at MHz Frequencies Based on Carbon Nanotube Thin-Film Transistors. *Advanced Functional Materials*, **2021**, 31, 2010744	15.6	3
32	Efficient scattering-free wavefront transformation with power flow conformal bianisotropic acoustic metasurfaces. *Applied Physics Letters*, **2021**, 118, 061902	3.4	5
31	Characterization of an underwater metamaterial made of aluminum honeycomb panels at low frequencies. *Journal of the Acoustical Society of America*, **2021**, 149, 1829	2.2	2
30	Acoustic tweezer with complex boundary-free trapping and transport channel controlled by shadow waveguides. *Science Advances*, **2021**, 7,	14.3	7
29	Dispersion tuning and route reconfiguration of acoustic waves in valley topological phononic crystals. *Nature Communications*, **2020**, 11, 762	17.4	58
28	Non-reciprocal acoustic transmission via space-time modulated membranes. *Applied Physics Letters*, **2020**, 116, 034101	3.4	14
27	Sound vortex diffraction via topological charge in phase gradient metagratings. *Science Advances*, **2020**, 6,	14.3	29
26	Creation of acoustic vortex knots. *Nature Communications*, **2020**, 11, 3956	17.4	9
25	Switchable directional sound emission with improved field confinement based on topological insulators. *Applied Physics Letters*, **2020**, 117, 043503	3.4	4
24	Tunable unidirectional compact acoustic amplifier via space-time modulated membranes. *Physical Review B*, **2020**, 102,	3.3	8
23	Bianisotropic Acoustic Metasurface for Surface-Wave-Enhanced Wavefront Transformation. *Physical Review Applied*, **2020**, 14,	4.3	6
22	Nonreciprocal acoustic transmission in space-time modulated coupled resonators. *Physical Review B*, **2019**, 100,	3.3	22
21	Nonreciprocal acoustic transmission in cascaded resonators via spatiotemporal modulation. *Physical Review B*, **2019**, 99,	3.3	17
20	Nonreciprocal sound propagation in space-time modulated media. *Physical Review B*, **2019**, 99,	3.3	28
19	Broadband high-index prism for asymmetric acoustic transmission. *Applied Physics Letters*, **2019**, 114, 121902	3.4	14
18	Highly Efficient Generation of Angular Momentum with Cylindrical Bianisotropic Metasurfaces. *Physical Review Applied*, **2019**, 11,	4.3	19

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17	Programmable Acoustic Metasurfaces. *Advanced Functional Materials*, **2019**, 29, 1808489	15.6	83
16	Transfer matrix method for the analysis of space-time-modulated media and systems. *Physical Review B*, **2019**, 100,	3.3	13
15	Power flow-conformal metamirrors for engineering wave reflections. *Science Advances*, **2019**, 5, eaau7288	14.3	27
14	Asymmetric Absorption in Acoustic Metamirror Based on Surface Impedance Engineering. *Physical Review Applied*, **2019**, 12,	4.3	9
13	Systematic design and experimental demonstration of bianisotropic metasurfaces for scattering-free manipulation of acoustic wavefronts. *Nature Communications*, **2018**, 9, 1342	17.4	125
12	Systematic design of broadband path-coiling acoustic metamaterials. *Journal of Applied Physics*, **2018**, 123, 025101	2.5	31
11	A surface impedance-based three-channel acoustic metasurface retroreflector. *Applied Physics Letters*, **2018**, 112, 183503	3.4	29
10	Acoustic metacages for sound shielding with steady air flow. *Journal of Applied Physics*, **2018**, 123, 124501	2.5	46
9	Compact acoustic retroreflector based on a mirrored Luneburg lens. *Physical Review Materials*, **2018**, 2,	3.2	28
8	Synthetic exceptional points and unidirectional zero reflection in non-Hermitian acoustic systems. *Physical Review Materials*, **2018**, 2,	3.2	27
7	Acoustic Imaging with Metamaterial Luneburg Lenses. *Scientific Reports*, **2018**, 8, 16188	4.9	38
6	Tunable Asymmetric Transmission via Lossy Acoustic Metasurfaces. *Physical Review Letters*, **2017**, 119, 035501	7.4	208
5	Acoustic Holographic Rendering with Two-dimensional Metamaterial-based Passive Phased Array. *Scientific Reports*, **2016**, 6, 35437	4.9	92
4	A sound absorbing metasurface with coupled resonators. *Applied Physics Letters*, **2016**, 109, 091908	3.4	130
3	Asymmetric acoustic transmission through near-zero-index and gradient-index metasurfaces. *Applied Physics Letters*, **2016**, 108, 223502	3.4	110
2	Acoustic metamaterials capable of both sound insulation and energy harvesting. *Smart Materials and Structures*, **2016**, 25, 045013	3.4	47
1	Red emissive CuInS2-based nanocrystals: a potential phosphor for warm white light-emitting diodes. *Optics Express*, **2013**, 21, 10105-10	3.3	53