

Junfei Li

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4877455/junfei-li-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Tunable Asymmetric Transmission via Lossy Acoustic Metasurfaces. <i>Physical Review Letters</i> , 2017 , 119, 035501	7.4	208
33	A sound absorbing metasurface with coupled resonators. <i>Applied Physics Letters</i> , 2016 , 109, 091908	3.4	130
32	Systematic design and experimental demonstration of bianisotropic metasurfaces for scattering-free manipulation of acoustic wavefronts. <i>Nature Communications</i> , 2018 , 9, 1342	17.4	125
31	Asymmetric acoustic transmission through near-zero-index and gradient-index metasurfaces. <i>Applied Physics Letters</i> , 2016 , 108, 223502	3.4	110
30	Acoustic Holographic Rendering with Two-dimensional Metamaterial-based Passive Phased Array. <i>Scientific Reports</i> , 2016 , 6, 35437	4.9	92
29	Programmable Acoustic Metasurfaces. <i>Advanced Functional Materials</i> , 2019 , 29, 1808489	15.6	83
28	Dispersion tuning and route reconfiguration of acoustic waves in valley topological phononic crystals. <i>Nature Communications</i> , 2020 , 11, 762	17.4	58
27	Red emissive CuInS ₂ -based nanocrystals: a potential phosphor for warm white light-emitting diodes. <i>Optics Express</i> , 2013 , 21, 10105-10	3.3	53
26	Acoustic metamaterials capable of both sound insulation and energy harvesting. <i>Smart Materials and Structures</i> , 2016 , 25, 045013	3.4	47
25	Acoustic metacages for sound shielding with steady air flow. <i>Journal of Applied Physics</i> , 2018 , 123, 1245015	15	46
24	Acoustic Imaging with Metamaterial Luneburg Lenses. <i>Scientific Reports</i> , 2018 , 8, 16188	4.9	38
23	Systematic design of broadband path-coiling acoustic metamaterials. <i>Journal of Applied Physics</i> , 2018 , 123, 025101	2.5	31
22	A surface impedance-based three-channel acoustic metasurface retroreflector. <i>Applied Physics Letters</i> , 2018 , 112, 183503	3.4	29
21	Sound vortex diffraction via topological charge in phase gradient metagratings. <i>Science Advances</i> , 2020 , 6,	14.3	29
20	Nonreciprocal sound propagation in space-time modulated media. <i>Physical Review B</i> , 2019 , 99,	3.3	28
19	Compact acoustic retroreflector based on a mirrored Luneburg lens. <i>Physical Review Materials</i> , 2018 , 2,	3.2	28
18	Synthetic exceptional points and unidirectional zero reflection in non-Hermitian acoustic systems. <i>Physical Review Materials</i> , 2018 , 2,	3.2	27

17	Power flow-conformal metamirrors for engineering wave reflections. <i>Science Advances</i> , 2019 , 5, eaau7288, 3	27
16	Nonreciprocal acoustic transmission in space-time modulated coupled resonators. <i>Physical Review B</i> , 2019 , 100,	3-3 22
15	Highly Efficient Generation of Angular Momentum with Cylindrical Bianisotropic Metasurfaces. <i>Physical Review Applied</i> , 2019 , 11,	4-3 19
14	Nonreciprocal acoustic transmission in cascaded resonators via spatiotemporal modulation. <i>Physical Review B</i> , 2019 , 99,	3-3 17
13	Broadband high-index prism for asymmetric acoustic transmission. <i>Applied Physics Letters</i> , 2019 , 114, 121902	3-4 14
12	Non-reciprocal acoustic transmission via space-time modulated membranes. <i>Applied Physics Letters</i> , 2020 , 116, 034101	3-4 14
11	Transfer matrix method for the analysis of space-time-modulated media and systems. <i>Physical Review B</i> , 2019 , 100,	3-3 13
10	Three dimensional acoustic tweezers with vortex streaming. <i>Communications Physics</i> , 2021 , 4,	5-4 12
9	Creation of acoustic vortex knots. <i>Nature Communications</i> , 2020 , 11, 3956	17-4 9
8	Asymmetric Absorption in Acoustic Metamirror Based on Surface Impedance Engineering. <i>Physical Review Applied</i> , 2019 , 12,	4-3 9
7	Tunable unidirectional compact acoustic amplifier via space-time modulated membranes. <i>Physical Review B</i> , 2020 , 102,	3-3 8
6	Acoustic tweezer with complex boundary-free trapping and transport channel controlled by shadow waveguides. <i>Science Advances</i> , 2021 , 7,	14-3 7
5	Bianisotropic Acoustic Metasurface for Surface-Wave-Enhanced Wavefront Transformation. <i>Physical Review Applied</i> , 2020 , 14,	4-3 6
4	Efficient scattering-free wavefront transformation with power flow conformal bianisotropic acoustic metasurfaces. <i>Applied Physics Letters</i> , 2021 , 118, 061902	3-4 5
3	Switchable directional sound emission with improved field confinement based on topological insulators. <i>Applied Physics Letters</i> , 2020 , 117, 043503	3-4 4
2	Electrically Tunable Surface Acoustic Wave Propagation at MHz Frequencies Based on Carbon Nanotube Thin-Film Transistors. <i>Advanced Functional Materials</i> , 2021 , 31, 2010744	15-6 3
1	Characterization of an underwater metamaterial made of aluminum honeycomb panels at low frequencies. <i>Journal of the Acoustical Society of America</i> , 2021 , 149, 1829	2-2 2