

Xiao-Jun Liu

List of Publications by Year in descending order

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207
papers

4,978
citations

87723

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all docs

212
docs citations

212
times ranked

2640
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative bicomponent imaging with single-wavelength by using a transmission-mode photoacoustic microscope. <i>Applied Physics Letters</i> , 2022, 120, 063701.	1.5	1
2	Tunable spatiotemporal resolution photoacoustic microscopy by combining quasi-periodic scanning and register-fusion algorithm. <i>Applied Physics Express</i> , 2022, 15, 032004.	1.1	3
3	Metasurface absorber for ultra-broadband sound via over-damped modes coupling. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	23
4	Coupled Focused Acoustic Vortices Generated by Degenerated Artificial Plates for Acoustic Coded Communication. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	5
5	Low-Frequency Low-Reflection Bidirectional Sound Insulation Tunnel with Ultrathin Lossy Metasurfaces. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3470.	1.3	1
6	An ultra-thin ventilated metasurface with extreme asymmetric absorption. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	10
7	Tunable Beam Splitter Based on Acoustic Binary Metagrating. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3758.	1.3	2
8	Sound focusing by a broadband acoustic Luneburg lens. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 2238-2244.	0.5	8
9	Compact acoustic metamaterial based on the 3D Mie resonance of a maze ball with an octahedral structure. <i>Applied Physics Letters</i> , 2022, 120, 161701.	1.5	11
10	Low-Frequency Dual-Band Sound Absorption by Ultrathin Planar Wall Embedded With Multiple-Cavity Resonators. <i>Frontiers in Physics</i> , 2022, 10, .	1.0	0
11	Observations of Tamm modes in acoustic topological insulators. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	4
12	Engineering negative coupling and corner modes in a three-dimensional acoustic topological network. <i>Physical Review B</i> , 2022, 105, .	1.1	6
13	Orbital Angular Momentum Multiplexing in Space-Time Thermoacoustic Metasurfaces. <i>Advanced Materials</i> , 2022, 34, .	11.1	12
14	Three-Dimensional Trapping and Manipulation of a Mie Particle by Hybrid Acoustic Focused Petal Beams. <i>Physical Review Applied</i> , 2022, 17, .	1.5	3
15	Photoacoustic microscopy with subwavelength resolution and enhanced spatial isotropy by using an aspheric acoustic mirror group. <i>Applied Physics Letters</i> , 2022, 120, 233702.	1.5	1
16	Acoustic Negative Refraction and Planar Focusing Based on Purely Imaginary Metamaterials. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5962.	1.3	1
17	Local-flexible coupling optical-resolution photoacoustic microscopy with enhanced sensitivity. <i>Optics Letters</i> , 2022, 47, 3515.	1.7	1
18	Acoustic trapping of particles using a Chinese taiji lens. <i>Ultrasonics</i> , 2021, 110, 106262.	2.1	9

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19	Multiband asymmetric sound absorber enabled by ultrasparse Mie resonators. Journal of the Acoustical Society of America, 2021, 149, 2072-2080.	0.5	9
20	Zak-phase-inspired acoustic topological edge states on the honeycomb lattice. Physical Review B, 2021, 103, .	1.1	3
21	Emitting long-distance spiral airborne sound using low-profile planar acoustic antenna. Nature Communications, 2021, 12, 2006.	5.8	21
22	High-Sensitivity Optical-Resolution Photoacoustic Microscopy with an Optical-Acoustic Combiner Based on an Off-Axis Parabolic Acoustic Mirror. Photonics, 2021, 8, 127.	0.9	8
23	Broadband acoustic vortex beam generator based on coupled resonances. Applied Physics Letters, 2021, 118, .	1.5	10
24	Topological refraction in dual-band valley sonic crystals. Physical Review B, 2021, 103, .	1.1	23
25	Subwavelength higher-order topological insulator based on stereo acoustic networks. Journal of Applied Physics, 2021, 129, 135101.	1.1	3
26	10.1063/5.0045397.1. , 2021, , .		0
27	Experimental demonstration of a reconfigurable acoustic second-order topological insulator using condensed soda cans array. Applied Physics Letters, 2021, 118, .	1.5	13
28	Particle Trapping in Arbitrary Trajectories Using First-Order Bessel-Like Acoustic Beams. Physical Review Applied, 2021, 15, .	1.5	19
29	Generation of diverse acoustic vortices by superimposed multipole emissions. Physical Review B, 2021, 103, .	1.1	4
30	Remote whispering metamaterial for non-radiative transceiving of ultra-weak sound. Nature Communications, 2021, 12, 3670.	5.8	19
31	High absorption asymmetry enabled by a deep-subwavelength ventilated sound absorber. Applied Physics Letters, 2021, 118, .	1.5	23
32	Ultrathin Composite Metasurface for Absorbing Subkilohertz Low-Frequency Underwater Sound. Physical Review Applied, 2021, 16, .	1.5	26
33	Precise micro-particle and bubble manipulation by tunable ultrasonic bottle beams. Ultrasonics Sonochemistry, 2021, 75, 105602.	3.8	8
34	Acoustic manipulation on microbubbles along arbitrary trajectories and adjustable destination. Applied Physics Letters, 2021, 119, .	1.5	5
35	Ultra-sparse metamaterials absorber for broadband low-frequency sound with free ventilation. Journal of the Acoustical Society of America, 2021, 150, 1044-1056.	0.5	11
36	Non-Hermitian topological whispering gallery. Nature, 2021, 597, 655-659.	13.7	87

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37	Ultra-Thin Metasurface-Based Absorber of Low-Frequency Sound With Bandwidth Optimization. <i>Frontiers in Materials</i> , 2021, 8, .	1.2	5
38	Broadband Bidirectional and Multi-Channel Unidirectional Acoustic Insulation by Mode-Conversion Phased Units. <i>Frontiers in Materials</i> , 2021, 8, .	1.2	2
39	Multifunctional reflected lenses based on aperiodic acoustic metagratings. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	9
40	Asymmetric acoustic retroreflection with a non-Hermitian metasurface mirror. <i>Applied Physics Express</i> , 2021, 14, 124001.	1.1	5
41	Acoustic Bessel Vortex Beam by Quasi-Three-Dimensional Reflected Metasurfaces. <i>Micromachines</i> , 2021, 12, 1388.	1.4	4
42	Low-Frequency, Open, Sound-Insulation Barrier by Two Oppositely Oriented Helmholtz Resonators. <i>Micromachines</i> , 2021, 12, 1544.	1.4	13
43	Demultiplexing sound in stacked valley-Hall topological insulators. <i>Physical Review B</i> , 2021, 104, .	1.1	7
44	Design of equipment interlocking control system for LEAF. <i>Radiation Detection Technology and Methods</i> , 2020, 4, 25-30.	0.4	1
45	Acoustic logic gates by a curved waveguide with ultrathin metasurfaces. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 015301.	1.3	4
46	Observation of Ultrabroadband Acoustic Focusing Based on V-Shaped Meta-Atoms. <i>Advanced Materials Technologies</i> , 2020, 5, 1900956.	3.0	9
47	Enhancement of photoacoustic microscopy by using a non-negative constrained pulse decomposition method. <i>Applied Physics Express</i> , 2020, 13, 017005.	1.1	2
48	High efficiency acoustic Fresnel lens. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 065302.	1.3	11
49	Enhanced Fractional Acoustic Vortices by an Annulus Acoustic Metasurface with Multi-Layered Rings. <i>Advanced Materials Technologies</i> , 2020, 5, 2000356.	3.0	10
50	Study of spatiotemporal liquid dynamics in a vibrating vocal fold by using a self-oscillating poroelastic model. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 2161-2172.	0.5	2
51	Subwavelength broadband sound absorber based on a composite metasurface. <i>Scientific Reports</i> , 2020, 10, 13823.	1.6	26
52	Aperiodic Metagratings for High-Performance Multifunctional Acoustic Lenses. <i>Advanced Materials Technologies</i> , 2020, 5, 2000542.	3.0	16
53	An extremely anisotropic phononic crystal with open elliptical dispersion for energy convergence and beam squeezing. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	3
54	Multiple information extracted from photoacoustic radio-frequency signal and the application on tissue classification. <i>Ultrasonics Sonochemistry</i> , 2020, 66, 105095.	3.8	6

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55	Acoustic hook beam lens for particle trapping. <i>Applied Physics Express</i> , 2020, 13, 064003.	1.1	13
56	Pseudospin induced topological corner state at intersecting sonic lattices. <i>Physical Review B</i> , 2020, 101, .	1.1	24
57	Broadband integrative acoustic asymmetric focusing lens based on mode-conversion meta-atoms. <i>Applied Physics Letters</i> , 2020, 116, 223505.	1.5	17
58	Noncontact evaluation of full elastic constants of perovskite MAPbBr ₃ via Photoacoustic eigen-spectrum analysis in one test. <i>Scientific Reports</i> , 2020, 10, 9994.	1.6	4
59	Multi-bottle beam generation using acoustic holographic lens. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	19
60	Acoustic tweezing for both Rayleigh and Mie particles based on acoustic focused petal beams. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	12
61	Enhanced Low-Frequency Monopole and Dipole Acoustic Antennas Based on a Subwavelength Bianisotropic Structure. <i>Advanced Materials Technologies</i> , 2020, 5, 1900970.	3.0	9
62	Acoustic holography using composite metasurfaces. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	34
63	Tunable and broadband asymmetric sound absorptions with coupling of acoustic bright and dark modes. <i>Journal of Sound and Vibration</i> , 2020, 479, 115371.	2.1	47
64	Photoacoustic ultrasonic dual-mode microscopy with local speed-of-sound estimation. <i>Optics Letters</i> , 2020, 45, 3840.	1.7	5
65	Simultaneous scattering-absorption dual-modal cell imaging in a single shot by a transmission-mode photoacoustic microscope. <i>Optics Letters</i> , 2020, 45, 5832.	1.7	4
66	Reversed Doppler effect based on hybridized acoustic Mie resonances. <i>Scientific Reports</i> , 2020, 10, 1519.	1.6	6
67	Modulating acoustic Fano resonance of self-collimated sound beams in two dimensional sonic crystals. <i>Ultrasonics</i> , 2019, 91, 129-133.	2.1	6
68	Multifunctional Asymmetric Sound Manipulations by a Passive Phased Array Prism. <i>Physical Review Applied</i> , 2019, 12, .	1.5	9
69	Dual-Band Fano Resonance of Low-Frequency Sound Based on Artificial Mie Resonances. <i>Advanced Science</i> , 2019, 6, 1901307.	5.6	21
70	Acoustic interference lens for trapping micro-scale particles. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 455302.	1.3	7
71	Reflected acoustic wavefront manipulation by an ultrathin metasurface based on three-dimensional generalized Snell's law. <i>Applied Physics Express</i> , 2019, 12, 094001.	1.1	14
72	Acoustic metamaterial antennas for combined highly directive-sensitive detection. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	25

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73	Deep-subwavelength Holey Acoustic Second-Order Topological Insulators. <i>Advanced Materials</i> , 2019, 31, e1904682.	11.1	99
74	Design of LEAF control system. <i>Radiation Detection Technology and Methods</i> , 2019, 3, 1.	0.4	2
75	Broadband near-perfect absorption of low-frequency sound by subwavelength metasurface. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	87
76	Ultrathin acoustic cloaking by a conformal hybrid metasurface. <i>Scientific Reports</i> , 2019, 9, 12700.	1.6	10
77	Low-frequency perfect sound absorption achieved by a modulus-near-zero metamaterial. <i>Scientific Reports</i> , 2019, 9, 13482.	1.6	30
78	Reconstruction of Photoacoustic Tomography Inside a Scattering Layer Using a Matrix Filtering Method. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2071.	1.3	3
79	Tunable perfect negative reflection based on an acoustic coding metasurface. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	22
80	Subwavelength multiple topological interface states in one-dimensional labyrinthine acoustic metamaterials. <i>Physical Review B</i> , 2019, 99, .	1.1	45
81	Binary-phase acoustic passive logic gates. <i>Scientific Reports</i> , 2019, 9, 8355.	1.6	11
82	Non-Hermitian Sonic Second-Order Topological Insulator. <i>Physical Review Letters</i> , 2019, 122, 195501.	2.9	166
83	Modulation of acoustic waves by a broadband metagrating. <i>Scientific Reports</i> , 2019, 9, 7271.	1.6	17
84	Laser irradiation modulating the acoustic radiation force acting on a liquid ball in a plane progressive wave. <i>AIP Advances</i> , 2019, 9, .	0.6	5
85	Acoustic accelerating beam based on a curved metasurface. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	25
86	Acoustic radiation forces on three-layered drug particles in focused Gaussian beams. <i>Journal of the Acoustical Society of America</i> , 2019, 145, 1331-1340.	0.5	7
87	High-efficiency anomalous reflection of acoustic waves with a passive-lossless metasurface. <i>Applied Physics Express</i> , 2019, 12, 047003.	1.1	4
88	Low-artifact and long depth of field photoacoustic microscopy using a Gaussian-weighted annular array. <i>Applied Physics Express</i> , 2019, 12, 057001.	1.1	7
89	Acoustic energy harvesting for low-frequency airborne sound based on compound Mie resonances. <i>Applied Physics Express</i> , 2019, 12, 044002.	1.1	5
90	Broadband Airy-like beams by coded acoustic metasurfaces. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	55

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91	Pseudospin-dependent acoustic topological insulator by airborne sonic crystals with a triangular lattice. <i>Applied Physics Express</i> , 2019, 12, 044003.	1.1	11
92	Topological Insulators: Deep-Subwavelength Holey Acoustic Second-Order Topological Insulators (<i>Adv. Mater.</i> 49/2019). <i>Advanced Materials</i> , 2019, 31, 1970344.	11.1	1
93	Broadband acoustic converging and asymmetric converging based on thermoacoustic phased arrays. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	7
94	Enhanced directional acoustic emission based on anisotropic metamaterials. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	16
95	Broadband ultrasound-trapping barrier based on hollow cylinder with a periodic grating. <i>Ultrasonics</i> , 2019, 93, 102-106.	2.1	1
96	Asymmetric coding metasurfaces for the controllable projection of acoustic images. <i>Physical Review Materials</i> , 2019, 3, .	0.9	17
97	Artifact-free imaging through a bone-like layer by using an ultrasonic-guided photoacoustic microscopy. <i>Optics Letters</i> , 2019, 44, 1273.	1.7	9
98	Subwavelength Acoustic Valley-Hall Topological Insulators Using Soda Cans Honeycomb Lattices. <i>Research</i> , 2019, 2019, 5385763.	2.8	24
99	Pseudospin modes of surface acoustic wave and topologically protected sound transmission in phononic crystal. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 227805.	0.2	2
100	Broadband acoustic focusing by Airy-like beams based on acoustic metasurfaces. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	42
101	In Vivo Imaging of Microvasculature during Anesthesia with High-Resolution Photoacoustic Microscopy. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1110-1118.	0.7	13
102	Generation of fractional acoustic vortex with a discrete Archimedean spiral structure plate. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	32
103	Multiband quasi-perfect low-frequency sound absorber based on double-channel Mie resonator. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	60
104	Acoustic analog computing based on a reflective metasurface with decoupled modulation of phase and amplitude. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	28
105	Broadband and flexible acoustic focusing by metafiber bundles. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 245102.	1.3	8
106	Topological Acoustic Delay Line. <i>Physical Review Applied</i> , 2018, 9, .	1.5	152
107	Broadband acoustic subwavelength imaging by rapidly modulated stratified media. <i>Scientific Reports</i> , 2018, 8, 4934.	1.6	1
108	Asymmetric phase modulation of acoustic waves through unidirectional metasurfaces. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	11

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109	Reflection-mode optical-resolution photoacoustic microscopy with high detection sensitivity by using a perforated acoustic mirror. Applied Physics Letters, 2018, 113, 183706.	1.5	5
110	Achieving acoustic topological valley-Hall states by modulating the subwavelength honeycomb lattice. Scientific Reports, 2018, 8, 16784.	1.6	12
111	Imaging acoustic sources through scattering media by using a correlation full-matrix filter. Scientific Reports, 2018, 8, 15611.	1.6	4
112	Modulation of acoustic radiation forces on three-layered nucleate cells in a focused Gaussian beam. Europhysics Letters, 2018, 124, 24004.	0.7	6
113	Negative acoustic radiation force induced on an elastic sphere by laser irradiation. Physical Review E, 2018, 98, .	0.8	8
114	Programmable Coding Acoustic Topological Insulator. Advanced Materials, 2018, 30, e1805002.	11.1	150
115	Reconfigurable sound anomalous absorptions in transparent waveguide with modularized multi-order Helmholtz resonator. Scientific Reports, 2018, 8, 15678.	1.6	36
116	Metasurface-enabled airborne fractional acoustic vortex emitter. Applied Physics Letters, 2018, 113, .	1.5	28
117	Dynamic generation and modulation of acoustic bottle-beams by metasurfaces. Scientific Reports, 2018, 8, 12682.	1.6	21
118	Asymmetric acoustic transmission with a lossy gradient-index metasurface. Applied Physics Letters, 2018, 113, .	1.5	48
119	Acoustic topological insulator by honeycomb sonic crystals with direct and indirect band gaps. New Journal of Physics, 2018, 20, 093027.	1.2	45
120	Noninvasive low-cycle fatigue characterization at high depth with photoacoustic eigen-spectrum analysis. Scientific Reports, 2018, 8, 7751.	1.6	4
121	Acoustic analog computing system based on labyrinthine metasurfaces. Scientific Reports, 2018, 8, 10103.	1.6	32
122	Directional Acoustic Antennas Based on Valley-Hall Topological Insulators. Advanced Materials, 2018, 30, e1803229.	11.1	182
123	Acoustic spin Hall-like effect in hyperbolic metamaterials controlled by the helical wave. Scientific Reports, 2018, 8, 11113.	1.6	8
124	Tunable directional subwavelength acoustic antenna based on Mie resonance. Scientific Reports, 2018, 8, 10049.	1.6	19
125	Cadmium-Alloyed Zinc Oxide Nanocrystals in the Quantum Confinement Region with Intense Visible Luminescence. Crystal Research and Technology, 2018, 53, 1800031.	0.6	1
126	Mathematical operations for acoustic signals based on layered labyrinthine metasurfaces. Applied Physics Letters, 2017, 110, .	1.5	31

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127	Perfect absorption of low-frequency sound waves by critically coupled subwavelength resonant system. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	89
128	Topological Creation of Acoustic Pseudospin Multipoles in a Flow-Free Symmetry-Broken Metamaterial Lattice. <i>Physical Review Letters</i> , 2017, 118, 084303.	2.9	303
129	Dynamic focusing of acoustic wave utilizing a randomly scattering lens and a single fixed transducer. <i>Journal of Applied Physics</i> , 2017, 121, 174901.	1.1	8
130	A flat acoustic lens to generate a Bessel-like beam. <i>Ultrasonics</i> , 2017, 80, 66-71.	2.1	22
131	Acoustic holography based on composite metasurface with decoupled modulation of phase and amplitude. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	134
132	Extraordinary acoustic transmission at low frequency by a tunable acoustic impedance metasurface based on coupled Mie resonators. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	39
133	Perfect monochromatic acoustic anti-reflection: A first-principles study. <i>Journal of Applied Physics</i> , 2017, 121, 094504.	1.1	4
134	Realization of acoustic wave directivity at low frequencies with a subwavelength Mie resonant structure. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	51
135	Experimental demonstration of topologically protected efficient sound propagation in an acoustic waveguide network. <i>Physical Review B</i> , 2017, 95, .	1.1	61
136	Asymmetric absorber with multiband and broadband for low-frequency sound. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	98
137	Strong Plasmon-Exciton-Plasmon Multimode Couplings in Three-Layered Ag-J-Aggregates Ag Nanostructures. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25455-25462.	1.5	28
138	Tunable photoacoustic properties of gold nanoshells with near-infrared optical responses. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	13
139	Influences of the geometry and acoustic parameter on acoustic radiation forces on three-layered nucleate cells. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	12
140	Non-diffraction propagation of acoustic waves in a rapidly modulated stratified medium. <i>Scientific Reports</i> , 2017, 7, 8184.	1.6	1
141	Wide-angle asymmetric acoustic absorber based on one-dimensional lossy Bragg stacks. <i>Journal of the Acoustical Society of America</i> , 2017, 142, EL69-EL74.	0.5	15
142	Manipulation of acoustic transmission by zero-index metamaterial with rectangular defect. <i>Journal of Applied Physics</i> , 2017, 122, 215103.	1.1	10
143	Broadband acoustic logic gates in a circular waveguide with multiple ports. <i>Applied Physics Letters</i> , 2017, 111, 243501.	1.5	12
144	Photoacoustic eigen-spectrum from light-absorbing microspheres and its application in noncontact elasticity evaluation. <i>Applied Physics Letters</i> , 2017, 110, 054101.	1.5	15

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145	Experimental verification of acoustic pseudospin multipoles in a symmetry-broken snowflake-like topological insulator. <i>Physical Review B</i> , 2017, 96, .	1.1	83
146	Photoacoustics and speed-of-sound dual mode imaging with a long depth-of-field by using annular ultrasound array. <i>Optics Express</i> , 2017, 25, 6141.	1.7	13
147	Photoacoustic imaging in scattering media by combining a correlation matrix filter with a time reversal operator. <i>Optics Express</i> , 2017, 25, 22840.	1.7	4
148	Manipulating Backward Propagation of Acoustic Waves by a Periodical Structure. <i>Chinese Physics Letters</i> , 2016, 33, 114302.	1.3	8
149	Compact transformable acoustic logic gates for broadband complex Boolean operations based on density-near-zero metamaterials. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	24
150	Precise rainbow trapping for low-frequency acoustic waves with micro Mie resonance-based structures. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	52
151	Chiral phase transition in $3+1$ dimensional QED at finite temperature and impurity potential. <i>Physical Review D</i> , 2016, 93, .	1.6	26
152	Continuum study of the QCD phase diagram through an OPE-modified gluon propagator. <i>Physical Review D</i> , 2016, 93, .	1.6	26
153	Noninvasive Assessment of Early Dental Lesion Using a Dual-Contrast Photoacoustic Tomography. <i>Scientific Reports</i> , 2016, 6, 21798.	1.6	30
154	High resolution Physio-chemical Tissue Analysis: Towards Non-invasive In Vivo Biopsy. <i>Scientific Reports</i> , 2016, 6, 16937.	1.6	37
155	Simulation of the formation and characteristics of ultrasonic fountain. <i>Ultrasonics Sonochemistry</i> , 2016, 32, 241-246.	3.8	29
156	Efficient Magnetic Resonance Amplification and Near-Field Enhancement from Gain-Assisted Silicon Nanospheres and Nanoshells. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13227-13233.	1.5	10
157	Studies of two-solar-mass hybrid stars within the framework of Dyson-Schwinger equations. <i>Physical Review D</i> , 2015, 92, .	1.6	27
158	Acoustic planar hyperlens based on anisotropic density-near-zero metamaterials. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	46
159	Broadband manipulation of acoustic wavefronts by pentamode metasurface. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	124
160	Dynamical chiral symmetry breaking in the NJL model with a constant external magnetic field. <i>Physical Review D</i> , 2015, 91, .	1.6	21
161	Acoustic logic gates and Boolean operation based on self-collimating acoustic beams. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	35
162	Finite element investigation on Lamb waves in composite phononic crystals. , 2015, , .		1

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163	Conversion of sound radiation pattern via gradient acoustic metasurface with space-coiling structure. <i>Applied Physics Express</i> , 2015, 8, 027301.	1.1	100
164	Unidirectional acoustic transmission in asymmetric bull's eye structure. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015, 58, 1-5.	2.0	6
165	Noncommutative field with constant background fields and neutral fermions. <i>Physical Review D</i> , 2015, 91, .	1.6	4
166	Photoacoustic Spectrum Analysis for Microstructure Characterization in Biological Tissue: Analytical Model. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 1473-1480.	0.7	48
167	Quantitative imaging of microvasculature in deep tissue with a spectrum-based photo-acoustic microscopy. <i>Optics Letters</i> , 2015, 40, 970.	1.7	25
168	Controlling sound transmission with density-near-zero acoustic membrane network. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	43
169	Photoacoustic tomography based on the Green's function retrieval with ultrasound interferometry for sample partially behind an acoustically scattering layer. <i>Applied Physics Letters</i> , 2015, 106, 234101.	1.5	8
170	Improved digital breast tomosynthesis images using automated ultrasound. <i>Medical Physics</i> , 2014, 41, 061911.	1.6	4
171	Pauli equation for a charged spin particle on a curved surface in an electric and magnetic field. <i>Physical Review A</i> , 2014, 90, .	1.0	38
172	Novel image optimization on photoacoustic tomography. , 2014, , .		0
173	Optimization of global model composed of radial basis functions using the term-ranking approach. <i>Chaos</i> , 2014, 24, 013139.	1.0	0
174	Modulation of Fano resonances in symmetry-broken gold-SiO ₂ -gold nanotube dimers. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 1063-1067.	2.0	1
175	Study of lanthanide doped zinc oxide nanoparticles synthesized via a sonochemical method. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013, 56, 1280-1284.	2.0	11
176	Photoacoustic Tomography Reconstruction in a 2-D Chaotic Cavity using Time Reversal. <i>International Journal of Thermophysics</i> , 2013, 34, 1646-1651.	1.0	0
177	Acoustic total transmission and total reflection in zero-index metamaterials with defects. <i>Applied Physics Letters</i> , 2013, 102, 174104.	1.5	42
178	Acoustic subwavelength imaging of subsurface objects with acoustic resonant metalens. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	58
179	Photoacoustic tomography extracted from speckle noise in acoustically inhomogeneous tissue. <i>Optics Express</i> , 2013, 21, 18061.	1.7	10
180	Quantitative detection of stochastic microstructure in turbid media by photoacoustic spectral matching. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	38

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