Jian-Chun Cheng

List of Publications by Year in Descending Order

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

120
papers

4,689
citations

h-index

67
g-index

5,678
ext. papers

25,678
ext. citations

4.7
avg, IF

L-index

#	Paper	IF	Citations
120	Machine learning-assisted low-frequency and broadband sound absorber with coherently coupled weak resonances. <i>Applied Physics Letters</i> , 2022 , 120, 033501	3.4	1
119	Design and experimental demonstration of effective acoustic gain medium for PT-symmetric refractive index. <i>Applied Physics Letters</i> , 2022 , 120, 063503	3.4	0
118	Tunable acoustic metasurface based on tunable piezoelectric composite structure <i>Journal of the Acoustical Society of America</i> , 2022 , 151, 838	2.2	O
117	Broadband tunable acoustic metasurface based on piezoelectric composite structure with two resonant modes. <i>Applied Physics Express</i> , 2022 , 15, 014004	2.4	0
116	Broadband acoustic insulation via gradient impedance boundary waveguide. <i>Applied Physics Letters</i> , 2022 , 120, 123501	3.4	1
115	Tunable acoustic metasurface based on PVDF/polyimide unimorph sheets. <i>Applied Physics Express</i> , 2022 , 15, 014001	2.4	0
114	Twisting Linear to Orbital Angular Momentum in an Ultrasonic Motor <i>Advanced Materials</i> , 2022 , e220	1 <i>5</i> 7/45	O
113	Efficient nonreciprocal mode transitions in spatiotemporally modulated acoustic metamaterials. <i>Science Advances</i> , 2021 , 7, eabj1198	14.3	6
112	Compact acoustic monolayered metadecoder for efficient and flexible orbital angular momentum demultiplexing. <i>Applied Physics Letters</i> , 2021 , 119, 213502	3.4	3
111	Machine-Learning-Assisted Acoustic Consecutive Fano Resonances: Application to a Tunable Broadband Low-Frequency Metasilencer. <i>Physical Review Applied</i> , 2021 , 16,	4.3	3
110	Tunable low-frequency and broadband acoustic metamaterial absorber. <i>Journal of Applied Physics</i> , 2021 , 129, 094502	2.5	10
109	Tunable asymmetric acoustic transmission via binary metasurface and zero-index metamaterials. <i>Applied Physics Letters</i> , 2021 , 118, 113501	3.4	5
108	Experimental demonstration of a three-dimensional acoustic hyperlens for super-resolution imaging. <i>Applied Physics Letters</i> , 2021 , 118, 203504	3.4	3
107	Acoustic constant mode one-way device based on wave pattern filter. <i>Applied Physics Letters</i> , 2021 , 118, 263503	3.4	1
106	Method to Derive the Hamiltonian of Acoustic Topological Crystalline Insulators. <i>Physical Review Applied</i> , 2021 , 15,	4.3	2
105	Focusing a Two-Dimensional Acoustic Vortex Beyond Diffraction Limit on an Ultrathin Structured Surface. <i>Physical Review Applied</i> , 2021 , 15,	4.3	3
104	Experimental demonstration of a three-dimensional omnidirectional and broadband acoustic concentrator using an anisotropic metamaterial. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	6

(2019-2021)

Tunable pipe-type acoustic metamaterials based on piezoelectric composite side-branches. <i>Journal of Applied Physics</i> , 2021 , 129, 084505	2.5	1	
Acoustic skin meta-muffler. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	4	
Helical Higher-Order Topological States in an Acoustic Crystalline Insulator. <i>Physical Review Letters</i> , 2020 , 125, 255502	7.4	7	
Meta-neural-network for real-time and passive deep-learning-based object recognition. <i>Nature Communications</i> , 2020 , 11, 6309	17.4	23	
Generation of Non-aliased Two-dimensional Acoustic Vortex with Enclosed Metasurface. <i>Scientific Reports</i> , 2020 , 10, 3827	4.9	6	
Broadband thin sound absorber based on hybrid labyrinthine metastructures with optimally designed parameters. <i>Scientific Reports</i> , 2020 , 10, 10705	4.9	5	
Nonresonant Metasurface for Fast Decoding in Acoustic Communications. <i>Physical Review Applied</i> , 2020 , 13,	4.3	14	
Acoustic waveguide with virtual soft boundary based on metamaterials. <i>Scientific Reports</i> , 2020 , 10, 98	81 4.9	13	
Wavelength-dependent multi-functional wavefront manipulation for reflected acoustic waves. <i>Applied Physics Express</i> , 2020 , 13, 094003	2.4	2	
Tunable annular acoustic metasurface for transmitted wavefront modulation. <i>Applied Physics Express</i> , 2020 , 13, 014002	2.4	5	
Inverse design of acoustic metamaterials based on machine learning using a Gauss B ayesian model. <i>Journal of Applied Physics</i> , 2020 , 128, 134902	2.5	13	
Two-way collinear mixing of a longitudinal and a transverse plane wave in materials with cubic nonlinearity. <i>Waves in Random and Complex Media</i> , 2020 , 1-20	1.9	1	
Topological Interface States in the Low-Frequency Band Gap of One-Dimensional Phononic Crystals. <i>Physical Review Applied</i> , 2020 , 14,	4.3	6	
Boundary-dependent corner states in topological acoustic resonator array. <i>Applied Physics Letters</i> , 2020 , 117, 113501	3.4	2	
An ultrathin planar acoustic metasurface diffuser with narrowband uniform reflection. <i>AIP Advances</i> , 2020 , 10, 085122	1.5	1	
Topology-Optimized Omnidirectional Broadband Acoustic Ventilation Barrier. <i>Physical Review Applied</i> , 2020 , 14,	4.3	11	
Voltage-controlled membrane-type active acoustic metasurfaces with ultrathin thickness. <i>Applied Physics Express</i> , 2019 , 12, 064501	2.4	9	
Ultrathin Planar Metasurface-based Acoustic Energy Harvester with Deep Subwavelength Thickness and Mechanical Rigidity. <i>Scientific Reports</i> , 2019 , 9, 11152	4.9	16	
	Acoustic skin meta-muffler. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1 Helical Higher-Order Topological States in an Acoustic Crystalline Insulator. Physical Review Letters, 2020, 125, 255502 Meta-neural-network for real-time and passive deep-learning-based object recognition. Nature Communications, 2020, 11, 6309 Generation of Non-aliased Two-dimensional Acoustic Vortex with Enclosed Metasurface. Scientific Reports, 2020, 10, 3827 Broadband thin sound absorber based on hybrid labyrinthine metastructures with optimally designed parameters. Scientific Reports, 2020, 10, 10705 Nonresonant Metasurface for Fast Decoding in Acoustic Communications. Physical Review Applied, 2020, 13. Acoustic waveguide with virtual soft boundary based on metamaterials. Scientific Reports, 2020, 10, 98 Wavelength-dependent multi-functional wavefront manipulation for reflected acoustic waves. Applied Physics Express, 2020, 13, 094003 Tunable annular acoustic metasurface for transmitted wavefront modulation. Applied Physics Express, 2020, 13, 014002 Inverse design of acoustic metamaterials based on machine learning using a GaussBayesian model. Journal of Applied Physics, 2020, 128, 134902 Two-way collinear mixing of a longitudinal and a transverse plane wave in materials with cubic nonlinearity. Waves in Random and Complex Media, 2020, 1-20 Topological Interface States in the Low-Frequency Band Gap of One-Dimensional Phononic Crystals. Physical Review Applied, 2020, 14, Boundary-dependent corner states in topological acoustic resonator array. Applied Physics Letters, 2020, 117, 113501 An ultrathin planar acoustic metasurface diffuser with narrowband uniform reflection. AIP Advances, 2020, 10, 085122 Topology-Optimized Omnidirectional Broadband Acoustic Ventilation Barrier. Physical Review Applied, 2020, 14, Voltage-controlled membrane-type active acoustic metasurfaces with ultrathin thickness. Applied Physics Express, 2019, 12, 064501 Ultrathin Planar Metasurface-based Acoustic Energy Harvester with Dee	Acoustic skin meta-muffler. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1 Acoustic skin meta-muffler. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1 Acoustic Skin meta-muffler. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1 Acoustic Skin meta-muffler. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1 Acoustic Warnard Topological States in an Acoustic Crystalline Insulator. Physical Review Letters, 2020, 125, 255502 Meta-neural-network for real-time and passive deep-learning-based object recognition. Nature Communications, 2020, 11, 6309 Generation of Non-aliased Two-dimensional Acoustic Vortex with Enclosed Metasurface. Scientific Reports, 2020, 10, 3827 Broadband thin sound absorber based on hybrid labyrinthine metastructures with optimally designed parameters. Scientific Reports, 2020, 10, 10705 Nonresonant Metasurface for Fast Decoding in Acoustic Communications. Physical Review Applied, 2020, 13, Acoustic waveguide with virtual soft boundary based on metamaterials. Scientific Reports, 2020, 10, 98149 Wavelength-dependent multi-functional wavefront manipulation for reflected acoustic waves. Applied Physics Express, 2020, 13, 094003 Tunable annular acoustic metasurface for transmitted wavefront modulation. Applied Physics Express, 2020, 110, 104002 Inverse design of acoustic metamaterials based on machine learning using a GaussBayesian model. Journal of Applied Physics, 2020, 128, 134902 Two-way collinear mixing of a longitudinal and a transverse plane wave in materials with cubic nonlinearity. Waves in Random and Complex Media, 2020, 1-20 Topological Interface States in the Low-Frequency Band Gap of One-Dimensional Phononic Crystals. Physical Review Applied, 2020, 14, Boundary-dependent corner states in topological acoustic resonator array. Applied Physics Letters, 2020, 117, 113501 An ultrathin planar acoustic metasurface diffuser with narrowband uniform reflection. AlP Advances, 2020, 10, 085122 Topology-Optimized Omnidirectional Broadb	Acoustic skin meta-muffler. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1 Acoustic skin meta-muffler. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1 Acoustic skin meta-muffler. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1 Acoustic Migher-Order Topological States in an Acoustic Crystalline Insulator. Physical Review Letters, 2020, 125, 255502 Meta-neural-network for real-time and passive deep-learning-based object recognition. Nature Communications, 2020, 11, 6309 Generation of Non-aliased Two-dimensional Acoustic Vortex with Enclosed Metasurface. Scientific Reports, 2020, 10, 3827 Broadband thin sound absorber based on hybrid labyrinthine metastructures with optimally designed parameters. Scientific Reports, 2020, 10, 10705 Nonresonant Metasurface for Fast Decoding in Acoustic Communications. Physical Review Applied, 2020, 13, 0200, 13, 04003 Acoustic waveguide with virtual soft boundary based on metamaterials. Scientific Reports, 2020, 10, 98149 Wavelength-dependent multi-functional wavefront manipulation for reflected acoustic waves. Applied Physics Express, 2020, 13, 014002 Inverse design of acoustic metasurface for transmitted wavefront modulation. Applied Physics Express, 2020, 13, 014002 Inverse design of acoustic metamaterials based on machine learning using a GaussBayesian model. Journal of Applied Physics, 2020, 128, 134902 Two-way collinear mixing of a longitudinal and a transverse plane wave in materials with cubic nonlinearity. Waves in Random and Complex Media, 2020, 1-20 Topological Interface States in the Low-Frequency Band Gap of One-Dimensional Phononic Crystals. Physical Review Applied, 2020, 14, Baundary-dependent corner states in topological acoustic resonator array. Applied Physics Letters, 2020, 117, 113501 An ultrathin planar acoustic metasurface diffuser with narrowband uniform reflection. AIP Advances, 2020, 10, 085122 Topology-Optimized Omnidirectional Broadband Acoustic Description Barrier. Physical Review Applied, 2020, 14,

85	Topological phononic crystals with tunable interface state based on local resonance. <i>Applied Physics Express</i> , 2019 , 12, 094002	2.4	5
84	Ultrathin Acoustic Parity-Time Symmetric Metasurface Cloak. <i>Research</i> , 2019 , 2019, 8345683	7.8	21
83	Illusion for Airborne Sound Source by a Closed Layer with Subwavelength Thickness. <i>Scientific Reports</i> , 2019 , 9, 1750	4.9	8
82	Experimental Demonstration of Acoustic Chern Insulators. <i>Physical Review Letters</i> , 2019 , 122, 014302	7.4	113
81	Broadband acoustic phased array with subwavelength active tube array. <i>Applied Physics Letters</i> , 2018 , 112, 093503	3.4	7
80	Fine manipulation of sound via lossy metamaterials with independent and arbitrary reflection amplitude and phase. <i>Nature Communications</i> , 2018 , 9, 1632	17.4	101
79	Twisted Acoustics: Metasurface-Enabled Multiplexing and Demultiplexing. <i>Advanced Materials</i> , 2018 , 30, e1800257	24	84
78	Converting a Monopole Emission into a Dipole Using a Subwavelength Structure. <i>Physical Review Applied</i> , 2018 , 9,	4.3	10
77	Acoustic planar antireflective focusing lens with sub-diffraction-limit resolution based on metamaterials. <i>Journal of Applied Physics</i> , 2018 , 123, 091717	2.5	9
76	Self-ordering induces multiple topological transitions for in-plane bulk waves in solid phononic crystals. <i>Physical Review B</i> , 2018 , 98,	3.3	24
75	Effects of periodically corrugated surfaces on sound scattering. <i>Journal of Sound and Vibration</i> , 2018 , 436, 1-14	3.9	
74	Wavefront manipulation by acoustic metasurfaces: from physics and applications. <i>Nanophotonics</i> , 2018 , 7, 1191-1205	6.3	24
73	Broadband acoustic energy harvesting metasurface with coupled Helmholtz resonators. <i>Applied Physics Letters</i> , 2018 , 113, 153503	3.4	34
72	Acoustic metasurfaces. <i>Nature Reviews Materials</i> , 2018 , 3, 460-472	73.3	290
71	Broadband compact acoustic absorber with high-efficiency ventilation performance. <i>Applied Physics Letters</i> , 2018 , 113, 103501	3.4	35
70	One-way Acoustic Beam Splitter. <i>Scientific Reports</i> , 2018 , 8, 13573	4.9	4
69	Broadband transmission-type coding metamaterial for wavefront manipulation for airborne sound. <i>Applied Physics Express</i> , 2018 , 11, 077301	2.4	13
68	Multi-relaxation-time lattice Boltzmann modeling of the acoustic field generated by focused transducer. <i>International Journal of Modern Physics C</i> , 2017 , 28, 1750038	1.1	2

(2016-2017)

67	Omnidirectional broadband acoustic deflector based on metamaterials. <i>Applied Physics Express</i> , 2017 , 10, 027201	2.4	7
66	Non-blind acoustic invisibility by dual layers of homogeneous single-negative media. <i>Scientific Reports</i> , 2017 , 7, 42533	4.9	12
65	Acoustic broadband metacouplers. <i>Applied Physics Letters</i> , 2017 , 110, 203504	3.4	14
64	Acoustic field of an ultrasonic cavity resonator with two open ends: Experimental measurements and lattice Boltzmann method modeling. <i>Journal of Applied Physics</i> , 2017 , 121, 124502	2.5	5
63	Sound Insulation in a Hollow Pipe with Subwavelength Thickness. <i>Scientific Reports</i> , 2017 , 7, 44106	4.9	18
62	A fully integrated broadband, high-gain, high-power and high-efficiency UHF amplifier using GaAs HBT and GaN HEMT. <i>IEICE Electronics Express</i> , 2017 , 14, 20170639-20170639	0.5	О
61	Spatial filtering of audible sound with acoustic landscapes. <i>Applied Physics Letters</i> , 2017 , 111, 041904	3.4	1
60	Ultra-broadband and planar sound diffuser with high uniformity of reflected intensity. <i>Applied Physics Letters</i> , 2017 , 111, 103502	3.4	12
59	Omnidirectional ventilated acoustic barrier. <i>Applied Physics Letters</i> , 2017 , 111, 203502	3.4	50
58	Ultrathin Acoustic Metasurface-Based Schroeder Diffuser. <i>Physical Review X</i> , 2017 , 7,	9.1	69
57	A broadband low-reflection bending waveguide for airborne sound. <i>Applied Physics Letters</i> , 2017 , 110, 253502	3.4	7
56	Deep-Subwavelength-Scale Directional Sensing Based on Highly Localized Dipolar Mie Resonances. <i>Physical Review Applied</i> , 2016 , 5,	4.3	41
55	Convert Acoustic Resonances to Orbital Angular Momentum. <i>Physical Review Letters</i> , 2016 , 117, 03430	17.4	183
54	Acoustic one-way metasurfaces: Asymmetric Phase Modulation of Sound by Subwavelength Layer. <i>Scientific Reports</i> , 2016 , 6, 28023	4.9	56
53	Three-dimensional broadband acoustic illusion cloak for sound-hard boundaries of curved geometry. <i>Scientific Reports</i> , 2016 , 6, 36936	4.9	14
52	Broadband non-reciprocal transmission of sound with invariant frequency. <i>Scientific Reports</i> , 2016 , 6, 19824	4.9	43
51	Acoustic focusing by symmetrical self-bending beams with phase modulations. <i>Applied Physics Letters</i> , 2016 , 108, 073501	3.4	41
50	Broadband and stable acoustic vortex emitter with multi-arm coiling slits. <i>Applied Physics Letters</i> , 2016 , 108, 203501	3.4	75

49	Broadband convergence of acoustic energy with binary reflected phases on planar surface. <i>Applied Physics Letters</i> , 2016 , 109, 243501	3.4	32
48	Three-dimensional ultra-broadband focusing flat mirror for airborne sound. <i>Applied Physics Letters</i> , 2016 , 109, 153501	3.4	12
47	Asymmetric sound transmission in a passive non-blocking structure with multiple ports. <i>Applied Physics Letters</i> , 2016 , 109, 103504	3.4	16
46	Multi-frequency acoustic metasurface for extraordinary reflection and sound focusing. <i>AIP Advances</i> , 2016 , 6, 121702	1.5	28
45	Cloaking an acoustic sensor with single-negative materials. <i>Annals of Physics</i> , 2015 , 358, 83-91	2.5	2
44	Experimental realization of broadband acoustic omnidirectional absorber by homogeneous anisotropic metamaterials. <i>Journal of Applied Physics</i> , 2015 , 117, 074502	2.5	22
43	Acoustic one-way open tunnel by using metasurface. <i>Applied Physics Letters</i> , 2015 , 107, 113501	3.4	83
42	Radiation directivity rotation by acoustic metamaterials. <i>Applied Physics Letters</i> , 2015 , 107, 093506	3.4	7
41	A collimated focused ultrasound beam of high acoustic transmission and minimum diffraction achieved by using a lens with subwavelength structures. <i>Applied Physics Letters</i> , 2015 , 107, 113505	3.4	7
40	Broadband Acoustic Cloaking within an Arbitrary Hard Cavity. <i>Physical Review Applied</i> , 2015 , 3,	4.3	27
39	Metascreen-Based Acoustic Passive Phased Array. Physical Review Applied, 2015, 4,	4.3	227
38	An integral equation method for calculating sound field diffracted by a rigid barrier on an impedance ground. <i>Journal of the Acoustical Society of America</i> , 2015 , 138, 1608-13	2.2	4
37	One-way acoustic mirror based on anisotropic zero-index media. <i>Applied Physics Letters</i> , 2015 , 107, 213	5 9.3 μ	17
36	Dispersionless Manipulation of Reflected Acoustic Wavefront by Subwavelength Corrugated Surface. <i>Scientific Reports</i> , 2015 , 5, 10966	4.9	98
35	Controlling an acoustic wave with a cylindrically-symmetric gradient-index system. <i>Chinese Physics B</i> , 2015 , 24, 024301	1.2	1
34	Broadband unidirectional transmission of sound in unblocked channel. <i>Applied Physics Letters</i> , 2015 , 106, 173508	3.4	48
33	Delivering sound energy along an arbitrary convex trajectory. Scientific Reports, 2014, 4, 6628	4.9	33
32	Three-dimensional ultrathin planar lenses by acoustic metamaterials. Scientific Reports, 2014, 4, 6830	4.9	110

(2011-2014)

31	Broadband field rotator based on acoustic metamaterials. <i>Applied Physics Letters</i> , 2014 , 104, 083510	3.4	35
30	Ultra-broadband absorption by acoustic metamaterials. <i>Applied Physics Letters</i> , 2014 , 105, 243505	3.4	96
29	Acoustic focusing of sub-wavelength scale achieved by multiple Fabry-Perot resonance effect. <i>Journal of Applied Physics</i> , 2014 , 115, 104504	2.5	6
28	Experimental Realization of Full Control of Reflected Waves with Subwavelength Acoustic Metasurfaces. <i>Physical Review Applied</i> , 2014 , 2,	4.3	284
27	Acoustic transistor: Amplification and switch of sound by sound. <i>Applied Physics Letters</i> , 2014 , 105, 083	5 3 ,04	14
26	The velocity field around two interacting cavitation bubbles in an ultrasound field. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013 , 56, 1246-1252	3.6	3
25	Unidirectional acoustic transmission through a prism with near-zero refractive index. <i>Applied Physics Letters</i> , 2013 , 103, 053505	3.4	134
24	Reflected wavefront manipulation based on ultrathin planar acoustic metasurfaces. <i>Scientific Reports</i> , 2013 , 3, 2546	4.9	364
23	Acoustic illusion near boundaries of arbitrary curved geometry. Scientific Reports, 2013, 3, 1427	4.9	42
22	Acoustic one-way frequency up-converter with high transmission efficiency. <i>Journal of Applied Physics</i> , 2013 , 114, 134508	2.5	15
21	Controllable acoustic rectification in one-dimensional piezoelectric composite plates. <i>Journal of Applied Physics</i> , 2013 , 114, 164504	2.5	15
20	Extraordinary acoustic transmission through ultrathin acoustic metamaterials by coiling up space. <i>Applied Physics Letters</i> , 2013 , 103, 063509	3.4	99
19	Broadband asymmetric acoustic transmission in a gradient-index structure. <i>Applied Physics Letters</i> , 2012 , 101, 263502	3.4	66
18	Scattering reduction for an acoustic sensor using a multilayered shell comprising a pair of homogeneous isotropic single-negative media. <i>Applied Physics Letters</i> , 2012 , 101, 033509	3.4	19
17	Concealing a Passive Sensing System with Single-Negative Layers. <i>Chinese Physics Letters</i> , 2012 , 29, 014	11 <u>0</u> 8	6
16	Broadband directional acoustic waveguide with high efficiency. <i>Applied Physics Letters</i> , 2012 , 101, 0435	503.4	63
15	Acoustic focusing by coiling up space. <i>Applied Physics Letters</i> , 2012 , 101, 233508	3.4	232
14	A broadband acoustic omnidirectional absorber comprising positive-index materials. <i>Applied Physics Letters</i> , 2011 , 99, 193507	3.4	67

13	Acoustic cloaking by a superlens with single-negative materials. <i>Physical Review Letters</i> , 2011 , 106, 01	43 9 .14	148
12	Acoustic band pinning in the phononic crystal plates of anti-symmetric structure. <i>Chinese Physics B</i> , 2011 , 20, 116301	1.2	9
11	One-way mode transmission in one-dimensional phononic crystal plates. <i>Journal of Applied Physics</i> , 2010 , 108, 124909	2.5	91
10	Study of acoustic wave behavior in silicon-based one-dimensional phononic-crystal plates using harmony response analysis. <i>Journal of Applied Physics</i> , 2009 , 106, 104901	2.5	20
9	Acoustic diode: rectification of acoustic energy flux in one-dimensional systems. <i>Physical Review Letters</i> , 2009 , 103, 104301	7.4	426
8	An eigenfunction expansion method for the elastodynamic response of an elastic solid with mixed boundary surfaces. <i>Progress in Natural Science: Materials International</i> , 2008 , 18, 1063-1068	3.6	3
7	Effective medium method for sound propagation in a soft medium containing air bubbles. <i>Journal of the Acoustical Society of America</i> , 2008 , 124, 1419-29	2.2	14
6	Temperature stable amorphous-TeO2B6IA6IY-X LiTaO3 substrates for surface acoustic wave applications. <i>Applied Physics Letters</i> , 2008 , 92, 233501	3.4	2
5	An inverse method of elastic constants for unidirectional fiber-reinforced composite plate. <i>Frontiers of Physics in China</i> , 2006 , 1, 230-237		
4	Effective medium method of slightly compressible elastic media permeated with air-filled bubbles. <i>Frontiers of Physics in China</i> , 2006 , 1, 500-505		2
3	Numerical simulations of the guided elastic waves generated by laser-induced AS and ES in hollow cylinders. <i>Progress in Natural Science: Materials International</i> , 2003 , 13, 288-294	3.6	
2	Acoustic band gaps of two-dimensional three-component composite. <i>Progress in Natural Science:</i> Materials International, 2003 , 13, 809-813	3.6	2
1	Numerical Analysis on Laser-Generated Guided Elastic Waves in a Hollow Cylinder. <i>Journal of Nondestructive Evaluation</i> , 2002 , 21, 45-53	2.1	14