

Elastic metasurfaces for splitting SV- and P-waves in el

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Design of a thin-plate based tunable high-quality narrow passband filter for elastic transverse waves propagate in metals. AIP Advances, 2018, 8, .	0.6	1
2	Total-internal-reflection elastic metasurfaces: Design and application to structural vibration isolation. Applied Physics Letters, 2018, 113, .	1.5	48
3	Retrieval method for the bianisotropic polarizability tensor of Willis acoustic scatterers. Physical Review B, 2018, 98, .	1.1	22
4	Wavefront steering of elastic shear vertical waves in solids via a composite-plate-based metasurface. Journal of Applied Physics, 2018, 124, .	1.1	16
5	Asymmetric flexural wave transmission based on dual-layer elastic gradient metasurfaces. Applied Physics Letters, 2018, 113, .	1.5	69
6	Deflecting flexural wave with high transmission by using pillared elastic metasurface. Smart Materials and Structures, 2018, 27, 075051.	1.8	69
7	Transmodal elastic metasurface for broad angle total mode conversion. Applied Physics Letters, 2018, 112, .	1.5	72
8	Beam splitting of flexural waves with a coding meta-slab. Applied Physics Express, 2019, 12, 097002.	1.1	16
9	Theory and Realization of Nonresonant Anisotropic Singly Polarized Solids Carrying Only Shear Waves. Physical Review Applied, 2019, 12, .	1.5	23
10	Inertial amplified resonators for tunable metasurfaces. Meccanica, 2019, 54, 2053-2065.	1.2	32
11	Spatial waveguide mode separation for acoustic waves in a meta-slab composed of subunits with graded thicknesses. Journal of Applied Physics, 2019, 126, 165110.	1.1	4
12	Tailoring one-dimensional layered metamaterials to achieve unidirectional transmission and reflection. Physical Review B, 2019, 99, .	1.1	6
13	Experimental study of vibration isolation in thin-walled structural assemblies with embedded total-internal-reflection metasurfaces. Journal of Sound and Vibration, 2019, 456, 162-172.	2.1	16
14	Anomalous refraction control of mode-converted elastic wave using compact notch-structured metasurface. Materials Research Express, 2019, 6, 065802.	0.8	18
15	Willis Metamaterial on a Structured Beam. Physical Review X, 2019, 9, .	2.8	41
16	Metasurface constituted by thin composite beams to steer flexural waves in thin plates. International Journal of Solids and Structures, 2019, 162, 14-20.	1.3	53
17	A transformation elasticity based device for wavefront manipulation. NDT and E International, 2019, 102, 304-310.	1.7	12
18	Multifunctional elastic metasurface design with topology optimization. Acta Materialia, 2020, 185, 382-399.	3.8	47

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20	Inverse band gap design of elastic metamaterials for P and SV wave control. Computer Methods in Applied Mechanics and Engineering, 2020, 370, 113263.	3.4	12
21	Broad-angle refractive transmodal elastic metasurface. Applied Physics Letters, 2020, 117, .	1.5	32
22	Design of metasurfaces to enable shear horizontal wave trapping. Journal of Applied Physics, 2020, 128, .	1.1	10
23	Retroreflection of flexural wave by using elastic metasurface. Journal of Applied Physics, 2020, 128, .	1.1	37
24	Tunable multifunctional fish-bone elastic metasurface for the wavefront manipulation of the transmitted in-plane waves. Journal of Applied Physics, 2020, 128, .	1.1	32
25	Efficient Asymmetric Transmission of Elastic Waves in Thin Plates with Lossless Metasurfaces. Physical Review Applied, 2020, 14, .	1.5	57
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27	Vibration control of flexural waves in thin plates by 3D-printed metasurfaces. Journal of Sound and Vibration, 2020, 481, 115440.	2.1	46
28	Shaping elastic wave mode conversion with a piezoelectric-based programmable meta-boundary. Extreme Mechanics Letters, 2020, 39, 100837.	2.0	29
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31	Recent Advances in Non-Traditional Elastic Wave Manipulation by Macroscopic Artificial Structures. Applied Sciences (Switzerland), 2020, 10, 547.	1.3	29
32	Non-resonant metasurface for broadband elastic wave mode splitting. Applied Physics Letters, 2020, 116, .	1.5	42
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34	Surface corrugated laminates as elastic grating couplers: Splitting of SV- and P-waves by selective diffraction. Journal of Applied Physics, 2021, 129, 045103.	1.1	1
35	Enabling the complete mode conversion of Lamb waves into shear horizontal waves via a resonance-based elastic metamaterial. Applied Physics Letters, 2021, 118, .	1.5	19
36	Elastic Metasurfaces for Full Wavefront Control and Low-Frequency Energy Harvesting. Journal of Vibration and Acoustics, Transactions of the ASME, 2021, 143, .	1.0	24

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38	Steering Flexural Waves by Amplitude-Shift Elastic Metasurfaces. Journal of Applied Mechanics, Transactions ASME, 2021, 88, .	1.1	17
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40	Experimental realization of a pillared metasurface for flexural wave focusing. APL Materials, 2021, 9, .	2.2	35
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43	Concentric shell gradient index metamaterials for focusing ultrasound in bulk media. Ultrasonics, 2021, 114, 106424.	2.1	6
44	Manipulation of the guided wave propagation in multilayered phononic plates by introducing interface delaminations. European Journal of Mechanics, A/Solids, 2021, 88, 104266.	2.1	21
45	Longitudinal wave steering using beam-type elastic metagratings. Mechanical Systems and Signal Processing, 2021, 156, 107688.	4.4	27
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49	Manipulation of seismic Rayleigh waves using a phase-gradient rubber metasurface. International Journal of Modern Physics B, 2020, 34, 2050142.	1.0	11
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60	Design of elastic wave metasurfaces based on lattice truss material. <i>Archive of Applied Mechanics</i> , 2022, 92, 2137-2149.	1.2	3
61	Extreme transmission of elastic metasurface for deep subwavelength focusing. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2022, 38, .	1.5	11
62	Design of Acoustic/Elastic Phase Gradient Metasurfaces: Principles, Functional Elements, Tunability, and Coding. <i>Applied Mechanics Reviews</i> , 2022, 74, .	4.5	49
63	Independent Flexural Wave Frequency Conversion by a Linear Active Metalayer. <i>Physical Review Letters</i> , 2022, 128, .	2.9	13
64	Elastic Metagratings with Simultaneous Modulation of Reflected and Transmitted Waves. <i>Crystals</i> , 2022, 12, 901.	1.0	7
65	High-efficiency wavefront manipulation in thin plates using elastic metasurfaces beyond the generalized Snell's law. <i>Mechanical Systems and Signal Processing</i> , 2022, 179, 109391.	4.4	17
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72	Total conversion between the longitudinal and transverse waves by ultrathin elastic metamaterials with anisotropic resonances. <i>Applied Physics Express</i> , 2022, 15, 117001.	1.1	5

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