

Hongfei Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

663
citations

1040056

9
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

508
citing authors

#	ARTICLE	IF	CITATIONS
1	Anomalous Refraction of Acoustic Guided Waves in Solids with Geometrically Tapered Metasurfaces. Physical Review Letters, 2016, 117, 034302.	7.8	210
2	Design and experimental observation of valley-Hall edge states in diatomic-graphene-like elastic waveguides. Physical Review B, 2018, 97, .	3.2	108
3	Phononic thin plates with embedded acoustic black holes. Physical Review B, 2015, 91, .	3.2	71
4	Two-dimensional structure-embedded acoustic lenses based on periodic acoustic black holes. Journal of Applied Physics, 2017, 122, .	2.5	64
5	Nonlocal elastic metasurfaces: Enabling broadband wave control via intentional nonlocality. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26099-26108.	7.1	56
6	Metamaterial based embedded acoustic filters for structural applications. AIP Advances, 2013, 3, .	1.3	49
7	Total-internal-reflection elastic metasurfaces: Design and application to structural vibration isolation. Applied Physics Letters, 2018, 113, .	3.3	48
8	Double-Zero-Index Structural Phononic Waveguides. Physical Review Applied, 2017, 8, .	3.8	35
9	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.	3.9	16
10	On the broadband vibration isolation performance of nonlocal total-internal-reflection metasurfaces. Journal of Sound and Vibration, 2022, 522, 116670.	3.9	6
11	Design of elastic phononic waveguides with double-zero effective properties. , 2018, , .		0