

Liuxian Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

602
citations

840776

11
h-index

713466

21
g-index

28
all docs

28
docs citations

28
times ranked

347
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic waveguide based on cascaded Luneburg lens. JASA Express Letters, 2022, 2, .	1.1	6
2	Broadband ultra-long acoustic jet based on double-foci Luneburg lens. JASA Express Letters, 2021, 1, .	1.1	11
3	Broadband acoustic collimation and focusing using reduced aberration acoustic Luneburg lens. Journal of Applied Physics, 2021, 130, .	2.5	11
4	Flattened structural Luneburg lens for broadband beamforming. Journal of the Acoustical Society of America, 2020, 148, EL82-EL87.	1.1	11
5	Structural Luneburg lens for broadband cloaking and wave guiding. Scientific Reports, 2020, 10, 14556.	3.3	20
6	Ultrasound beam steering with flattened acoustic metamaterial Luneburg lens. Applied Physics Letters, 2020, 116, .	3.3	37
7	Modified structural Luneburg lens for broadband focusing and collimation. Mechanical Systems and Signal Processing, 2020, 144, 106868.	8.0	37
8	Tunable multi-source energy harvesting via frequency selective structures. Engineering Research Express, 2019, 1, 015001.	1.6	3
9	Asymmetric Lamb Wave Propagation and Mode Isolation in Thin Plate With Spatiotemporal Periodic Stiffness. Journal of Vibration and Acoustics, Transactions of the ASME, 2019, 141, .	1.6	6
10	Interaction of ultrasound with microporous polyethylene scaffolds. Applied Acoustics, 2019, 153, 102-109.	3.3	6
11	Detection of breathing-type damage using multiharmonic electrical impedance tomography. Structural Control and Health Monitoring, 2019, 26, e2330.	4.0	6
12	Compact Acoustic Rainbow Trapping in a Bioinspired Spiral Array of Graded Locally Resonant Metamaterials. Sensors, 2019, 19, 788.	3.8	34
13	Low-frequency vibration reduction using a sandwich plate with periodically embedded acoustic black holes. Journal of Sound and Vibration, 2019, 441, 165-171.	3.9	42
14	Embedded Acoustic Black Holes for semi-passive broadband vibration attenuation in thin-walled structures. Journal of Sound and Vibration, 2017, 388, 42-52.	3.9	52
15	Passive Vibration Control Based on Embedded Acoustic Black Holes. Journal of Vibration and Acoustics, Transactions of the ASME, 2016, 138, .	1.6	28
16	An experimental study of vibration based energy harvesting in dynamically tailored structures with embedded acoustic black holes. Smart Materials and Structures, 2015, 24, 065039.	3.5	77
17	Structural damage detection via impediographic tomography. , 2015, , .		1
18	An application of impediography to the high sensitivity and high resolution identification of structural damage. Smart Materials and Structures, 2015, 24, 065044.	3.5	13

#	ARTICLE	IF	CITATIONS
19	Enhanced vibration based energy harvesting using embedded acoustic black holes. Proceedings of SPIE, 2014, , .	0.8	3
20	Broadband energy harvesting using acoustic black hole structural tailoring. Smart Materials and Structures, 2014, 23, 065021.	3.5	163
21	Visualization of solitary waves via laser Doppler vibrometry for heavy impurity identification in a granular chain. Smart Materials and Structures, 2013, 22, 035016.	3.5	29
22	A dual mode imaging array for damage detection in grout structures. , 2013, , .		1
23	Electromechanical Impedance Modeling for Structural Health Monitoring. , 2012, , .		0
24	Gas Accumulation Detection in a Water Tank Using Lamb Waves. , 2012, , .		2
25	Comparative study of active and passive sensing with AE and PWAS transducers. , 2012, , .		1
26	Dual Mode Sensing of Crack Growth in Steel Bridge Structures. , 2012, , .		1
27	Analysis of Mobile Phone Reliability Based on Active Disassembly Using Smart Materials. Journal of Surface Engineered Materials and Advanced Technology, 2011, 01, 80-87.	0.2	0
28	Research on Multi-Step Active Disassembly Method of Products Based on ADSM. Advanced Materials Research, 2010, 139-141, 1428-1432.	0.3	1