

Jingwen Guo

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

406
citations

777949

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1051228

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21
all docs

21
docs citations

21
times ranked

158
citing authors

#	ARTICLE	IF	CITATIONS
1	An extremely-thin acoustic metasurface for low-frequency sound attenuation with a tunable absorption bandwidth. International Journal of Mechanical Sciences, 2022, 213, 106872.	3.6	45
2	Topology optimization design and experimental validation of an acoustic metasurface for reflected wavefront modulation. Journal of Sound and Vibration, 2022, 520, 116631.	2.1	23
3	Theoretical study of the unsteady motion influence on rotor aerodynamic noise. , 2022, , .		0
4	Trailing edge noise reduction using velvety serrations. , 2022, , .		0
5	Reflected wave manipulation by acoustic metasurface in shear flows. , 2022, , .		0
6	Broadband acoustic meta-porous layer for reflected wave manipulation and absorption. International Journal of Mechanical Sciences, 2022, 227, 107426.	3.6	19
7	An investigation on noise attenuation by acoustic liner constructed by Helmholtz resonators with extended necks. Journal of the Acoustical Society of America, 2021, 149, 70-81.	0.5	34
8	Wideband low-frequency sound absorption by inhomogeneous multi-layer resonators with extended necks. Composite Structures, 2021, 260, 113538.	3.1	45
9	Design and characterization of a multifunctional low-speed anechoic wind tunnel at HKUST. Aerospace Science and Technology, 2021, 115, 106814.	2.5	26
10	An extra-broadband compact sound-absorbing structure composing of double-layer resonator with multiple perforations. Journal of the Acoustical Society of America, 2021, 150, 1370-1380.	0.5	16
11	Ultralight Metamaterial for Sound Absorption Based on Miuraâ€Ori Tessellation Structures. Advanced Engineering Materials, 2021, 23, 2100563.	1.6	5
12	Experimental study on a compact lined circular duct for small-scale propeller noise reduction. Applied Acoustics, 2021, 179, 108062.	1.7	17
13	A compact low-frequency sound-absorbing metasurface constructed by resonator with embedded spiral neck. Applied Physics Letters, 2020, 117, .	1.5	47
14	An ultrathin acoustic carpet cloak based on resonators with extended necks. Journal Physics D: Applied Physics, 2020, 53, 505501.	1.3	15
15	Acoustic characterizations of Helmholtz resonators with extended necks and their checkerboard combination for sound absorption. Journal Physics D: Applied Physics, 2020, 53, 505504.	1.3	31
16	Level-set based topology optimization on acoustic balcony ceiling design of a simplified urban building for noise reduction. Journal of the Acoustical Society of America, 2020, 148, 3980-3991.	0.5	2
17	Acoustic metaporous layer with composite structures for perfect and quasi-omnidirectional sound absorption. Composite Structures, 2019, 223, 110948.	3.1	31
18	Reflected wave manipulation by inhomogeneous impedance via varying-depth acoustic liners. Journal of Applied Physics, 2018, 123, .	1.1	16

#	ARTICLE	IF	CITATIONS
19	Manipulating reflected acoustic wave via Helmholtz resonators with varying-length extended necks. Journal of Applied Physics, 2018, 124, .	1.1	34
20	Forbidden Transmission of Broadband Duct Noise Realized by Compactly Placed Detuned Resonators. Acoustics Australia, 0, , 1.	1.4	0
21	An efficient and high-order sliding mesh method for computational aeroacoustics. Journal of Supercomputing, 0, , 1.	2.4	0