

Huancai Lu

List of Publications by Year in descending order

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17
papers

97
citations

1684188

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1372567

10
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18
all docs

18
docs citations

18
times ranked

54
citing authors

#	ARTICLE	IF	CITATIONS
1	Localization of travelling and standing waves in a circular membrane coupled to a continuous viscoelastic support. <i>Applied Mathematical Modelling</i> , 2022, 109, 36-51.	4.2	2
2	Reconstruction of half-space boundary impedance and sound source direct radiation based on reflection coefficient estimation. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2022, 71, 124301.	0.5	0
3	Interior Sound Field Subjective Evaluation Based on the 3D Distribution of Sound Quality Objective Parameters and Sound Source Localization. <i>Materials</i> , 2021, 14, 429.	2.9	0
4	Reconstruction of waves traveling in a nonlinear granular chain from acoustic measurements. <i>Mechanical Systems and Signal Processing</i> , 2021, 161, 107988.	8.0	0
5	High sound insulation property of prepared polypropylene/polyolefin elastomer blends by combining pressure-induced-flow processing and supercritical CO ₂ foaming. <i>Composites Communications</i> , 2021, 28, 100958.	6.3	2
6	Optimal Semiactive Damping Control for a Nonlinear Energy Sink Used to Stabilize Milling. <i>Shock and Vibration</i> , 2020, 2020, 1-11.	0.6	2
7	Reconstruction of Acoustic Radiation of a Vibrating Structure Located in a Half-Space Bounded by a Passive Surface with Finite Acoustic Impedance. <i>Journal of Theoretical and Computational Acoustics</i> , 2020, 28, 2050019.	1.1	4
8	Underwater acoustic positioning with a single beacon and a varied baseline for a multi-jointed AUV in the deep ocean. <i>IET Radar, Sonar and Navigation</i> , 2020, 14, 669-676.	1.8	7
9	Energy transmission by impact in a system of two discrete oscillators. <i>Nonlinear Dynamics</i> , 2020, 100, 135-145.	5.2	4
10	Co-existing complexity-induced traveling wave transmission and vibration localization in Euler-Bernoulli beams. <i>Journal of Sound and Vibration</i> , 2019, 458, 22-43.	3.9	5
11	Realization by impedance discontinuity of a unidirectional wave in a duct with harmonically perturbed uniform mean flow. <i>Journal of the Acoustical Society of America</i> , 2019, 145, 3048-3057.	1.1	0
12	Inducing a nonreflective airborne discontinuity in a circular duct by using a nonresonant side branch to create mode complexity. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 746-755.	1.1	4
13	Natural frequency veering and mode localization caused by straight through "cracks in rectangular plates with elastic boundary conditions. <i>Acta Mechanica</i> , 2018, 229, 4017-4031.	2.1	6
14	Separation of Traveling and Standing Waves in a Rigid-Walled Circular Duct Containing an Intermediate Impedance Discontinuity. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2017, 139, .	1.6	5
15	Separation of traveling and standing waves in a finite dispersive string with partial or continuous viscoelastic foundation. <i>Journal of Sound and Vibration</i> , 2017, 411, 193-209.	3.9	7
16	Reconstruction of vibroacoustic responses of a highly nonspherical structure using Helmholtz equation least-squares method. <i>Journal of the Acoustical Society of America</i> , 2009, 125, 1538-1548.	1.1	18
17	Reconstruction of transient acoustic radiation from a sphere. <i>Journal of the Acoustical Society of America</i> , 2005, 117, 2065-2077.	1.1	31