Huancai Lu

List of Publications by Year
in descending order

17 papers	**97** citations	1684188 **5** h-index	1372567 **10** g-index
18 all docs	**18** docs citations	**18** times ranked	**54** citing authors

#	Article	IF	Citations
1	Reconstruction of transient acoustic radiation from a sphere. Journal of the Acoustical Society of America, 2005, 117, 2065-2077.	1.1	31
2	Reconstruction of vibroacoustic responses of a highly nonspherical structure using Helmholtz equation least-squares method. Journal of the Acoustical Society of America, 2009, 125, 1538-1548.	1.1	18
3	Separation of traveling and standing waves in a finite dispersive string with partial or continuous viscoelastic foundation. Journal of Sound and Vibration, 2017, 411, 193-209.	3.9	7
4	Underwater acoustic positioning with a single beacon and a varied baseline for a multi‐jointed AUV in the deep ocean. IET Radar, Sonar and Navigation, 2020, 14, 669-676.	1.8	7
5	Natural frequency veering and mode localization caused by straight through–cracks in rectangular plates with elastic boundary conditions. Acta Mechanica, 2018, 229, 4017-4031.	2.1	6
6	Separation of Traveling and Standing Waves in a Rigid-Walled Circular Duct Containing an Intermediate Impedance Discontinuity. Journal of Vibration and Acoustics, Transactions of the ASME, 2017, 139, .	1.6	5
7	Co-existing complexity-induced traveling wave transmission and vibration localization in Euler-Bernoulli beams. Journal of Sound and Vibration, 2019, 458, 22-43.	3.9	5
8	Inducing a nonreflective airborne discontinuity in a circular duct by using a nonresonant side branch to create mode complexity. Journal of the Acoustical Society of America, 2018, 143, 746-755.	1.1	4
9	Reconstruction of Acoustic Radiation of a Vibrating Structure Located in a Half-Space Bounded by a Passive Surface with Finite Acoustic Impedance. Journal of Theoretical and Computational Acoustics, 2020, 28, 2050019.	1.1	4
10	Energy transmission by impact in a system of two discrete oscillators. Nonlinear Dynamics, 2020, 100, 135-145.	5.2	4
11	Optimal Semiactive Damping Control for a Nonlinear Energy Sink Used to Stabilize Milling. Shock and Vibration, 2020, 2020, 1-11.	0.6	2
12	High sound insulation property of prepared polypropylene/polyolefin elastomer blends by combining pressure-induced-flow processing and supercritical CO_2 foaming. Composites Communications, 2021, 28, 100958.	6.3	2
13	Localization of travelling and standing waves in a circular membrane coupled to a continuous viscoelastic support. Applied Mathematical Modelling, 2022, 109, 36-51.	4.2	2
14	Realization by impedance discontinuity of a unidirectional wave in a duct with harmonically perturbed uniform mean flow. Journal of the Acoustical Society of America, 2019, 145, 3048-3057.	1.1	0
15	Interior Sound Field Subjective Evaluation Based on the 3D Distribution of Sound Quality Objective Parameters and Sound Source Localization. Materials, 2021, 14, 429.	2.9	0
16	Reconstruction of waves traveling in a nonlinear granular chain from acoustic measurements. Mechanical Systems and Signal Processing, 2021, 161, 107988.	8.0	0
17	Reconstruction of half-space boundary impedance and sound source direct radiation based on reflection coefficient estimation. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 124301.	0.5	0