

Hao Zhang

List of Publications by Year in descending order

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9
papers

337
citations

1307594
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1474206
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docs citations

9
times ranked

274
citing authors

#	ARTICLE	IF	CITATIONS
1	Sound transmission loss of metamaterial thin plates with periodic subwavelength arrays of shunted piezoelectric patches. <i>Journal of Sound and Vibration</i> , 2015, 343, 104-120.	3.9	110
2	Flexural wave band gaps in metamaterial beams with membrane-type resonators: theory and experiment. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 435305.	2.8	58
3	Ultra-thin smart acoustic metasurface for low-frequency sound insulation. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	56
4	Sound transmission loss of plate-type metastructures: Semi-analytical modeling, elaborate analysis, and experimental validation. <i>Mechanical Systems and Signal Processing</i> , 2021, 153, 107487.	8.0	31
5	Flexural wave band-gaps in phononic metamaterial beam with hybrid shunting circuits. <i>Chinese Physics B</i> , 2015, 24, 036201.	1.4	27
6	Optimization of decoupling performance of underwater acoustic coating with cavities via equivalent fluid model. <i>Journal of Sound and Vibration</i> , 2018, 426, 244-257.	3.9	25
7	Light-weight large-scale tunable metamaterial panel for low-frequency sound insulation. <i>Applied Physics Express</i> , 2020, 13, 067003.	2.4	20
8	Broadband diffuse field sound insulation of double layer metamaterial plates lined with porous material. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	7
9	Wave Propagation in L-Shape Beams with Piezoelectric Shunting Arrays. <i>Shock and Vibration</i> , 2019, 2019, 1-14.	0.6	3