Seongyeol Goo

List of Publications by Year
in descending order

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11 papers	180 citations	1478505 6 h-index	1281871 11 g-index
11 all docs	11 docs citations	11 times ranked	166 citing authors

#	Article	IF	Citations
1	Maximizing sound transmission loss using thickness optimization based on the elementary radiator approach. Structural and Multidisciplinary Optimization, 2022, 65, 1.	3.5	2
2	Predicting anti-resonance frequencies using a novel eigenvalue formulation. Finite Elements in Analysis and Design, 2021, 191, 103525.	3.2	2
3	Investigation of flexural wave band gaps in a locally resonant metamaterial with plate-like resonators. Wave Motion, 2020, 93, 102492.	2.0	22
4	Effect of damping distribution on coupling in panelâ€“cavity systems: Conditions for optimality through a modal approach. International Journal of Mechanical Sciences, 2020, 187, 105908.	6.7	4
5	Topology optimization of vibroacoustic problems using the hybrid finite elementâ€“wave based method. Computer Methods in Applied Mechanics and Engineering, 2020, 364, 112932.	6.6	6
6	Realisation of a locally resonant metamaterial on the automobile panel structure to reduce noise radiation. Mechanical Systems and Signal Processing, 2019, 122, 206-231.	8.0	80
7	Design optimization of a cellular-type noise insulation panel to improve transmission loss at low frequency. Journal of Sound and Vibration, 2019, 447, 105-119.	3.9	10
8	Analysis of sound absorption performance of an electroacoustic absorber using a vented enclosure. Journal of Sound and Vibration, 2018, 417, 110-131.	3.9	2
9	Topology optimization of bounded acoustic problems using the hybrid finite element-wave based method. Computer Methods in Applied Mechanics and Engineering, 2017, 313, 834-856.	6.6	11
10	Topology optimization of thin plate structures with bending stress constraints. Computers and Structures, 2016, 175, 134-143.	4.4	20
11	An efficient design sensitivity analysis using element energies for topology optimization of a frequency response problem. Computer Methods in Applied Mechanics and Engineering, 2015, 296, 196-210.	6.6	21