

Seongyeol Goo

List of Publications by Year in descending order

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Version: 2024-02-01

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