

CÃ©dric Van hoorickx

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

137
citations

1478505

6
h-index

1281871

11
g-index

16
all docs

16
docs citations

16
times ranked

103
citing authors

#	ARTICLE	IF	CITATIONS
1	Topology optimization of two-dimensional elastic wave barriers. Journal of Sound and Vibration, 2016, 376, 95-111.	3.9	33
2	Double wall barriers for the reduction of ground vibration transmission. Soil Dynamics and Earthquake Engineering, 2017, 97, 1-13.	3.8	33
3	Sound transmission through finite rib-stiffened and orthotropic plates. Acta Acustica United With Acustica, 2016, 102, 999-1010.	0.8	20
4	Shape optimized inclined single and double wall wave barriers for ground vibration mitigation. Soil Dynamics and Earthquake Engineering, 2018, 112, 215-231.	3.8	15
5	Prediction and uncertainty quantification of structure-borne sound radiation into a diffuse field. Journal of Sound and Vibration, 2019, 463, 114984.	3.9	10
6	Numerical prediction and experimental validation of impact sound radiation by timber joist floors. Applied Acoustics, 2020, 162, 107182.	3.3	9
7	p-Refined Multilevel Quasi-Monte Carlo for Galerkin Finite Element Methods with Applications in Civil Engineering. Algorithms, 2020, 13, 110.	2.1	5
8	Density filtering regularization of finite element model updating problems. Mechanical Systems and Signal Processing, 2019, 128, 282-294.	8.0	4
9	Gaussian orthogonal ensemble modeling of built-up systems containing general diffuse components and parametric uncertainty. Journal of Sound and Vibration, 2021, 501, 116045.	3.9	3
10	Numerical realization of diffuse sound pressure fields using prolate spheroidal wave functions. Journal of the Acoustical Society of America, 2022, 151, 1710-1721.	1.1	2
11	Double wall barriers as mitigation measures for ground vibration transmission. Procedia Engineering, 2017, 199, 2735-2740.	1.2	1
12	TOPOLOGY OPTIMIZATION OF WAVE BARRIERS FOR RAILWAY INDUCED VIBRATIONS IN BUILDINGS. , 2016, , .		1
13	Coupling strength evaluation in vibro-acoustic systems. Journal of Sound and Vibration, 2022, 536, 117133.	3.9	1
14	SEMI-DISCRETE COINCIDENCE IN THE MID-FREQUENCY SOUND TRANSMISSION THROUGH RIB-STIFFENED PANELS. , 2016, , .		0
15	Topology Optimization of Elastic Wave Barriers Using a Two-and-A-Half Dimensional Finite Element Methodology. , 2018, , 1906-1922.		0
16	Optimal Design of Wave Barriers for the Reduction of Vibration Levels. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2018, , 547-556.	0.3	0