

Kerem Ege

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

336
citations

759233

12
h-index

839539

18
g-index

26
all docs

26
docs citations

26
times ranked

249
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of the apparent bending stiffness and damping of multilayer plates; modelling and experiment. <i>Journal of Sound and Vibration</i> , 2018, 426, 129-149.	3.9	44
2	High-resolution modal analysis. <i>Journal of Sound and Vibration</i> , 2009, 325, 852-869.	3.9	34
3	On the structural dynamics of laminated composite plates and sandwich structures; a new perspective on damping identification. <i>Journal of Sound and Vibration</i> , 2020, 474, 115256.	3.9	33
4	On the numerical computation of nonlinear normal modes for reduced-order modelling of conservative vibratory systems. <i>Mechanical Systems and Signal Processing</i> , 2013, 36, 520-539.	8.0	28
5	Vibroacoustics of the piano soundboard: (Non)linearity and modal properties in the low- and mid-frequency ranges. <i>Journal of Sound and Vibration</i> , 2013, 332, 1288-1305.	3.9	27
6	Non resonant transmission modelling with statistical modal energy distribution analysis. <i>Journal of Sound and Vibration</i> , 2014, 333, 499-519.	3.9	19
7	Non-contact experimental assessment of apparent dynamic stiffness of constrained-layer damping sandwich plates in a broad frequency range using a Nd:YAG pump laser and a laser Doppler vibrometer. <i>Journal of Sound and Vibration</i> , 2017, 395, 90-101.	3.9	19
8	Vibroacoustics of the piano soundboard: Reduced models, mobility synthesis, and acoustical radiation regime. <i>Journal of Sound and Vibration</i> , 2013, 332, 4261-4279.	3.9	18
9	SmEdA vibro-acoustic modelling in the mid-frequency range including the effect of dissipative treatments. <i>Journal of Sound and Vibration</i> , 2017, 393, 187-215.	3.9	16
10	Estimation of plate material properties by means of a complex wavenumber fit using Hankel's functions and the image source method. <i>Journal of Sound and Vibration</i> , 2017, 390, 257-271.	3.9	16
11	Development and Characterization of a Piezoelectrically Actuated MEMS Digital Loudspeaker. <i>Procedia Engineering</i> , 2012, 47, 184-187.	1.2	15
12	The High-Resolution Wavevector Analysis for the characterization of the dynamic response of composite plates. <i>Journal of Sound and Vibration</i> , 2019, 458, 177-196.	3.9	13
13	Microphone with Planar Nano-Gauge Detection: Fluid-Structure Coupling Including Thermoviscous Effects. <i>Acta Acustica United With Acustica</i> , 2016, 102, 517-529.	0.8	11
14	Vibroacoustics of orthotropic plates ribbed in both directions: Application to stiffened rectangular wood panels. <i>Journal of the Acoustical Society of America</i> , 2016, 139, 227-246.	1.1	8
15	New architecture of MEMS microphone for enhanced performances. , 2013, , .		6
16	Experimental methodology to assess the dynamic equivalent stiffness properties of elliptical orthotropic plates. <i>Journal of Sound and Vibration</i> , 2021, 495, 115897.	3.9	6
17	Repeated exponential sine sweeps for the autonomous estimation of nonlinearities and bootstrap assessment of uncertainties. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2016, 230, 1007-1018.	2.1	5
18	A modal approach to piano soundboard vibroacoustic behavior. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 690-709.	1.1	4

#	ARTICLE	IF	CITATIONS
19	On the condensation of thick symmetric multilayer panels including dilatational motion. Journal of Sound and Vibration, 2021, 502, 116078.	3.9	4
20	New planar nano-gauge detection microphone: analytical and numerical acoustic modeling. Proceedings of Meetings on Acoustics, 2013, , .	0.3	3
21	Spatial Patterning of the Viscoelastic Core Layer of a Hybrid Sandwich Composite Material to Trigger Its Vibro-Acoustic Performances. , 2018, , .		3
22	SmEdA Vibro-Acoustic Modeling of a Trimmed Truck Cab in the Mid-Frequency Range. , 0, , .		2
23	Development of the Corrected Force Analysis Technique for laminated composite panels. Journal of Sound and Vibration, 2021, 490, 115692.	3.9	1
24	Equivalent dynamic model of multilayered structures with imperfect interfaces: Application to a sandwich structured plate with sliding interfaces. Journal of Sound and Vibration, 2022, , 117052.	3.9	1
25	Vibro-Acoustic Modeling of a Trimmed Truck Cabin in Low Frequency Range to Tackle the Challenge of Weight Reduction. , 0, , .		0
26	Vibroacoustic Modelling of Piano Soundboards through Analytical Approaches in Frequency and Time Domains. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 77-80.	0.5	0