

Pierre-Olivier Mattei

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

489
citations

933447

10
h-index

713466

21
g-index

24
all docs

24
docs citations

24
times ranked

255
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study of targeted energy transfer from an acoustic system to a nonlinear membrane absorber. <i>Journal of Sound and Vibration</i> , 2010, 329, 2768-2791.	3.9	106
2	Experimental evidence of energy pumping in acoustics. <i>Comptes Rendus - Mecanique</i> , 2006, 334, 639-644.	2.1	49
3	Optimization under uncertainty of parallel nonlinear energy sinks. <i>Journal of Sound and Vibration</i> , 2017, 394, 451-464.	3.9	49
4	VIBROACOUSTIC RESPONSE OF A THIN CYLINDRICAL SHELL EXCITED BY A TURBULENT INTERNAL FLOW: COMPARISON BETWEEN NUMERICAL PREDICTION AND EXPERIMENTATION. <i>Journal of Sound and Vibration</i> , 2000, 229, 1115-1155.	3.9	44
5	Enhancing the dynamic range of targeted energy transfer in acoustics using several nonlinear membrane absorbers. <i>Journal of Sound and Vibration</i> , 2012, 331, 5657-5668.	3.9	43
6	Nonlinear targeted energy transfer of two coupled cantilever beams coupled to a bistable light attachment. <i>Journal of Sound and Vibration</i> , 2016, 373, 29-51.	3.9	36
7	Toward an adjustable nonlinear low frequency acoustic absorber. <i>Journal of Sound and Vibration</i> , 2011, 330, 5245-5258.	3.9	31
8	Perturbation Method For Sound Radiation By A Vibrating Plate In A Light Fluid: Comparison With The Exact Solution. <i>Journal of Sound and Vibration</i> , 1994, 177, 259-275.	3.9	21
9	Bistable nonlinear damper based on a buckled beam configuration. <i>Nonlinear Dynamics</i> , 2020, 99, 1801-1822.	5.2	21
10	Damping analysis of a free aluminum plate. <i>JVC/Journal of Vibration and Control</i> , 2015, 21, 2083-2098.	2.6	11
11	SOUND RADIATION BY A BAFFLED SHELL: COMPARISON OF THE EXACT AND AN APPROXIMATE SOLUTION. <i>Journal of Sound and Vibration</i> , 1995, 188, 111-130.	3.9	10
12	THE ROLE OF THE RESONANCE MODES IN THE RESPONSE OF A FLUID-LOADED STRUCTURE. <i>Journal of Sound and Vibration</i> , 2001, 239, 639-663.	3.9	10
13	A TWO-DIMENSIONAL TCHEBYCHEFF COLLOCATION METHOD FOR THE STUDY OF THE VIBRATION OF A BAFFLED FLUID-LOADED RECTANGULAR PLATE. <i>Journal of Sound and Vibration</i> , 1996, 196, 407-427.	3.9	9
14	Experimental study of the influence of low frequency flow modulation on the whistling behavior of a corrugated pipe. <i>Journal of the Acoustical Society of America</i> , 2011, 130, 1851-1855.	1.1	9
15	Time and frequency response of structures with frequency dependent, non-proportional linear damping. <i>Journal of Sound and Vibration</i> , 2014, 333, 887-900.	3.9	9
16	Aeroacoustic source analysis in a corrugated flow pipe using low-frequency mitigation. <i>Journal of Turbulence</i> , 2014, 15, 650-676.	1.4	8
17	Sound radiation by baffled and constrained plates. <i>Journal of Sound and Vibration</i> , 1995, 179, 63-77.	3.9	7
18	SOUND TRANSMISSION THROUGH A THIN BAFFLED PLATE: VALIDATION OF A LIGHT FLUID APPROXIMATION WITH NUMERICAL AND EXPERIMENTAL RESULTS. <i>Journal of Sound and Vibration</i> , 2000, 229, 1157-1169.	3.9	5

#	ARTICLE	IF	CITATIONS
19	Modeling and optimization of local constraint elastomer treatments for vibration and noise reduction. <i>Journal of Sound and Vibration</i> , 2014, 333, 7109-7124.	3.9	4
20	Multiple Resonances in Fluid-Loaded Vibrating Structures. <i>Acta Acustica United With Acustica</i> , 2009, 95, 314-324.	0.8	3
21	Nonlinear dynamics of the wolf tone production. <i>Journal of Sound and Vibration</i> , 2021, 516, 116463.	3.9	0
22	Characterization of acoustic sources in a corrugated pipe flow with linear stochastic estimation. <i>Journal of the Acoustical Society of America</i> , 2021, 150, 4268-4282.	1.1	0