Jean-Daniel Chazot

List of Publications by Year
in descending order

35 papers	617 citations	567281 15 h-index	610901 24 g-index
36 all docs	36 docs citations	36 times ranked	430 citing authors

#	Article	IF	Citations
1	Semi-analytical model of noise transmission through finite length cylinder with poroelastic core using Biot's and Shell theories. Journal of Sound and Vibration, 2022, 535, 117102.	3.9	3
2	Partition of Unity Finite Element Method for 2D Vibro-Acoustic Modeling. Journal of Theoretical and Computational Acoustics, 2021, 29, .	1.1	2
3	Partition of Unity Finite Element Method for the modelling of Acoustic Black Hole wedges. Journal of Sound and Vibration, 2020, 475, 115266.	3.9	16
4	3D Simulation of acoustic waves propagating through porous domain using PUFEM tetrahedral elements. Journal of Physics: Conference Series, 2020, 1605, 012016.	0.4	0
5	Partition of Unity Finite Element Method applied to exterior problems with Perfectly Matched Layers. Acta Acustica, 2020, 4, 16.	1.0	5
6	Performance of the Partition of Unity Finite Element Method for the modeling of Timoshenko beams. Computers and Structures, 2019, 222, 148-154.	4.4	8
7	Generalized power law for predicting the air flow resistivity of thermocompressed fibrous materials and open cell foams. Applied Acoustics, 2019, 143, 59-65.	3.3	2
8	Inverse method for elastic properties estimation of a poroelastic material within a multilayered structure. Applied Acoustics, 2019, 148, 133-140.	3.3	3
9	Development of 3D PUFEM with linear tetrahedral elements for the simulation of acoustic waves in enclosed cavities. Computer Methods in Applied Mechanics and Engineering, 2018, 335, 403-418.	6.6	12
10	Investigation on Mechanical Resonance Induced by Magnetostriction in a Structure Based on Si-Fe Sheets. IEEE Transactions on Magnetics, 2018, 54, 1-12.	2.1	7
11	Prediction of the six parameters of an equivalent fluid model for thermocompressed glass wools and melamine foam. Applied Acoustics, 2018, 139, 44-56.	3.3	19
12	Noise and vibration of a power transformer under an electrical excitation. Applied Acoustics, 2017, 128, 64-70.	3.3	33
13	Diffuse Acoustic Field Produced in Reverberant Rooms: A Boundary Diffuse Field Index. Acta Acustica United With Acustica, 2016, 102, 503-516.	0.8	4
14	A Plane and Thin Panel with Representative Simply Supported Boundary Conditions for Laboratory Vibroacoustic Tests. Acta Acustica United With Acustica, 2016, 102, 170-182.	0.8	31
15	Iterative beamforming for identification of multiple broadband sound sources. Journal of Sound and Vibration, 2016, 365, 260-275.	3.9	27
16	A mixed "Biot–Shell" analytical model for the prediction of sound transmission through a sandwich cylinder with a poroelastic core. Journal of Sound and Vibration, 2016, 360, 203-223.	3.9	32
17	Estimation of multiple sound sources with data and model uncertainties using the EM and evidential EM algorithms. Mechanical Systems and Signal Processing, 2016, 66-67, 159-177.	8.0	29
18	Bayesian identification of acoustic impedance in treated ducts. Journal of the Acoustical Society of America, 2015, 138, EL114-EL119.	1.1	13

#	ARTICLE	IF	CITATIONS
19	Damping loss factor estimation of two-dimensional orthotropic structures from a displacement field measurement. Journal of Sound and Vibration, 2015, 356, 61-71.	3.9	27
20	The Partition of Unity Finite Element Method for the simulation of waves in air and poroelastic media. Journal of the Acoustical Society of America, 2014, 135, 724-733.	1.1	23
21	A mixed 3D-Shell analytical model for the prediction of sound transmission through sandwich cylinders. Journal of Sound and Vibration, 2014, 333, 4750-4770.	3.9	39
22	Bayesian characterization of Young's modulus of viscoelastic materials in laminated structures. Journal of Sound and Vibration, 2013, 332, 3654-3666.	3.9	32
23	Performances of the Partition of Unity Finite Element Method for the analysis of two-dimensional interior sound fields with absorbing materials. Journal of Sound and Vibration, 2013, 332, 1918-1929.	3.9	39
24	Harmonic response computation of poroelastic multilayered structures using ZPST shell elements. Computers and Structures, 2013, 121, 99-107.	4.4	8
25	Numerical simulation of acoustic waves in air and porelastic media using the partition of unity finite element method. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
26	Cylindrical cyclic acoustic imaging with a Bayesian approach for reconstruction of cyclostationary sources. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
27	Sound Source Localization from Uncertain Information Using the Evidential EM Algorithm. Lecture Notes in Computer Science, 2013, , 162-175.	1.3	2
28	Acoustical impedance characterization of liners using a Bayesian approach. Proceedings of Meetings on Acoustics, 2013, , .	0.3	1
29	Acoustical and mechanical characterization of poroelastic materials using a Bayesian approach. Journal of the Acoustical Society of America, 2012, 131, 4584-4595.	1.1	41
30	Harmonic response computation of viscoelastic multilayered structures using a ZPST shell element. Computers and Structures, 2011, 89, 2522-2530.	4.4	18
31	The method of fundamental solutions for acoustic wave scattering by a single and a periodic array of poroelastic scatterers. Engineering Analysis With Boundary Elements, 2011, 35, 1019-1028.	3.7	25
32	Transmission loss of double panels filled with porogranular materials. Journal of the Acoustical Society of America, 2009, 126, 3040-3048.	1.1	15
33	Acoustic modeling of light and non-cohesive poro-granular materials with a fluid/fluid model. Acta Mechanica, 2008, 195, 227-247.	2.1	7
34	Prediction of transmission loss of double panels with a patch-mobility method. Journal of the Acoustical Society of America, 2007, 121, 267-278.	1.1	91
35	Modeling of Thin Plate Flexural Vibrations by Partition of Unity Finite Element Method. International Journal of Applied Mechanics, 0, , 2150030.	2.2	3