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	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
2	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
3	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
4	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
5	Noise and vibration of a power transformer under an electrical excitation. Applied Acoustics, 2017, 128, 64-70.	3.3	33
6	Bayesian characterization of Young's modulus of viscoelastic materials in laminated structures. Journal of Sound and Vibration, 2013, 332, 3654-3666.	3.9	32
7	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
8	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
9	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
10	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
11	Iterative beamforming for identification of multiple broadband sound sources. Journal of Sound and Vibration, 2016, 365, 260-275.	3.9	27
12	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
13	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
14	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
15	Harmonic response computation of viscoelastic multilayered structures using a ZPST shell element. Computers and Structures, 2011, 89, 2522-2530.	4.4	18
16	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
17	Transmission loss of double panels filled with porogranular materials. Journal of the Acoustical Society of America, 2009, 126, 3040-3048.	1.1	15
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	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
20	Harmonic response computation of poroelastic multilayered structures using ZPST shell elements. Computers and Structures, 2013, 121, 99-107.	4.4	8
21	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
22	Acoustic modeling of light and non-cohesive poro-granular materials with a fluid/fluid model. Acta Mechanica, 2008, 195, 227-247.	2.1	7
23	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
24	Partition of Unity Finite Element Method applied to exterior problems with Perfectly Matched Layers. Acta Acustica, 2020, 4, 16.	1.0	5
25	Diffuse Acoustic Field Produced in Reverberant Rooms: A Boundary Diffuse Field Index. Acta Acustica United With Acustica, 2016, 102, 503-516.	0.8	4
26	Inverse method for elastic properties estimation of a poroelastic material within a multilayered structure. Applied Acoustics, 2019, 148, 133-140.	3.3	3
27	Modeling of Thin Plate Flexural Vibrations by Partition of Unity Finite Element Method. International Journal of Applied Mechanics, 0, , 2150030.	2.2	3
28	Semi-analytical model of noise transmission through finite length cylinder with poroelastic core using Biotâ€™s and Shell theories. Journal of Sound and Vibration, 2022, 535, 117102.	3.9	3
29	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
30	Sound Source Localization from Uncertain Information Using the Evidential EM Algorithm. Lecture Notes in Computer Science, 2013, , 162-175.	1.3	2
31	Partition of Unity Finite Element Method for 2D Vibro-Acoustic Modeling. Journal of Theoretical and Computational Acoustics, 2021, 29, .	1.1	2
32	Acoustical impedance characterization of liners using a Bayesian approach. Proceedings of Meetings on Acoustics, 2013, , .	0.3	1
33	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
34	Cylindrical cyclic acoustic imaging with a Bayesian approach for reconstruction of cyclostationary sources. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
35	3D Simulation of acoustic waves propagating through porous domain using PUFEM tetrahedral elements. Journal of Physics: Conference Series, 2020, 1605, 012016.	0.4	0