

# Pauline Butaud

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

220  
citations

1305906

8  
h-index

1181555

14  
g-index

21  
all docs

21  
docs citations

21  
times ranked

205  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sandwich structures with tunable damping properties: On the use of Shape Memory Polymer as viscoelastic core. <i>Composite Structures</i> , 2016, 153, 401-408.	3.1	48
2	Damping control for improvement of acoustic black hole effect. <i>Journal of Sound and Vibration</i> , 2019, 454, 63-72.	2.1	40
3	Investigations on the frequency and temperature effects on mechanical properties of a shape memory polymer (Veriflex). <i>Mechanics of Materials</i> , 2015, 87, 50-60.	1.7	26
4	Damping behavior of plant fiber composites: A review. <i>Composite Structures</i> , 2021, 275, 114392.	3.1	24
5	Towards a better understanding of the CMUTs potential for SHM applications. <i>Sensors and Actuators A: Physical</i> , 2020, 313, 112212.	2.0	19
6	Good practices for designing and experimental testing of dynamically excited jointed structures: The Orion beam. <i>Mechanical Systems and Signal Processing</i> , 2022, 163, 108172.	4.4	12
7	Learning the representation of raw acoustic emission signals by direct generative modelling and its use in chronology-based clusters identification. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 90, 103478.	4.3	11
8	Identification of the viscoelastic properties of the tBA/PEGDMA polymer from multi-loading modes conducted over a wide frequency-temperature scale range. <i>Polymer Testing</i> , 2018, 69, 250-258.	2.3	9
9	In-core heat distribution control for adaptive damping and stiffness tuning of composite structures. <i>Smart Materials and Structures</i> , 2020, 29, 065002.	1.8	8
10	Magnetic and dynamic mechanical properties of a highly coercive MRE based on NdFeB particles and a stiff matrix. <i>Smart Materials and Structures</i> , 2020, 29, 105009.	1.8	7
11	A Review of Shape Memory Polymers Thermomechanical Modelling: Analysis in the Frequency Domain. <i>Advanced Structured Materials</i> , 2017, , 57-80.	0.3	4
12	Dataset of experimental measurements for the Orion beam structure. <i>Data in Brief</i> , 2021, 39, 107627.	0.5	4
13	Magnetically induced friction damping based on magnetoactive elastomers – A proof of concept. <i>Journal of Sound and Vibration</i> , 2022, 534, 117000.	2.1	3
14	Development of a Magneto-Mechanical Bench and Experimental Characterization of Magneto-Rheological Elastomers. <i>IEEE Transactions on Magnetics</i> , 2022, 58, 1-4.	1.2	2
15	CMUT sensors based on circular membranes array for SHM applications. , 2019, , .		2
16	Clustering Acoustic Emission Time-series Using Unsupervised-shapelets. , 0, , .		1
17	Damping Control in a Sandwich Structure With SMP Core. , 2015, , .		0
18	Design of thermally adaptive composite structures for damping and stiffness control. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Dynamical Mechanical Thermal Analysis of Shape-Memory Polymers. Advanced Structured Materials, 2020, , 129-151.	0.3	0
20	Adaptive damping and stiffness control of composite structures: an experimental illustration. , 2019, , .		0
21	On the use of thermomechanical couplings for the design of adaptive structures. , 2022, , .		0