

# Pauline Butaud

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

220  
citations

1163117  
8  
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1058476  
14  
g-index

21  
all docs

21  
docs citations

21  
times ranked

189  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a Magneto-Mechanical Bench and Experimental Characterization of Magneto-Rheological Elastomers. IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	2
2	Good practices for designing and experimental testing of dynamically excited jointed structures: The Orion beam. Mechanical Systems and Signal Processing, 2022, 163, 108172.	8.0	12
3	On the use of thermomechanical couplings for the design of adaptive structures. , 2022, , .		0
4	Magnetically induced friction damping based on magnetoactive elastomers " A proof of concept. Journal of Sound and Vibration, 2022, 534, 117000.	3.9	3
5	Damping behavior of plant fiber composites: A review. Composite Structures, 2021, 275, 114392.	5.8	24
6	Dataset of experimental measurements for the Orion beam structure. Data in Brief, 2021, 39, 107627.	1.0	4
7	Dynamical Mechanical Thermal Analysis of Shape-Memory Polymers. Advanced Structured Materials, 2020, , 129-151.	0.5	0
8	Towards a better understanding of the CMUTs potential for SHM applications. Sensors and Actuators A: Physical, 2020, 313, 112212.	4.1	19
9	In-core heat distribution control for adaptive damping and stiffness tuning of composite structures. Smart Materials and Structures, 2020, 29, 065002.	3.5	8
10	Magnetic and dynamic mechanical properties of a highly coercive MRE based on NdFeB particles and a stiff matrix. Smart Materials and Structures, 2020, 29, 105009.	3.5	7
11	Learning the representation of raw acoustic emission signals by direct generative modelling and its use in chronology-based clusters identification. Engineering Applications of Artificial Intelligence, 2020, 90, 103478.	8.1	11
12	Damping control for improvement of acoustic black hole effect. Journal of Sound and Vibration, 2019, 454, 63-72.	3.9	40
13	CMUT sensors based on circular membranes array for SHM applications. , 2019, , .		2
14	Adaptive damping and stiffness control of composite structures: an experimental illustration. , 2019, , .		0
15	Identification of the viscoelastic properties of the tBA/PEGDMA polymer from multi-loading modes conducted over a wide frequency"temperature scale range. Polymer Testing, 2018, 69, 250-258.	4.8	9
16	Design of thermally adaptive composite structures for damping and stiffness control. , 2017, , .		0
17	A Review of Shape Memory Polymers Thermomechanical Modelling: Analysis in the Frequency Domain. Advanced Structured Materials, 2017, , 57-80.	0.5	4
18	Sandwich structures with tunable damping properties: On the use of Shape Memory Polymer as viscoelastic core. Composite Structures, 2016, 153, 401-408.	5.8	48

#	ARTICLE	IF	CITATIONS
19	Damping Control in a Sandwich Structure With SMP Core. , 2015, , .		0
20	Investigations on the frequency and temperature effects on mechanical properties of a shape memory polymer (Veriflex). Mechanics of Materials, 2015, 87, 50-60.	3.2	26
21	Clustering Acoustic Emission Time-series Using Unsupervised-shapelets. , 0, , .		1