

Pauline Butaud

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

220
citations

1163117
8
h-index

1058476
14
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21
all docs

21
docs citations

21
times ranked

189
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Damping control for improvement of acoustic black hole effect. Journal of Sound and Vibration, 2019, 454, 63-72.	3.9	40
3	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
4	Damping behavior of plant fiber composites: A review. Composite Structures, 2021, 275, 114392.	5.8	24
5	Towards a better understanding of the CMUTs potential for SHM applications. Sensors and Actuators A: Physical, 2020, 313, 112212.	4.1	19
6	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
7	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
8	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
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	A Review of Shape Memory Polymers Thermomechanical Modelling: Analysis in the Frequency Domain. Advanced Structured Materials, 2017, , 57-80.	0.5	4
12	Dataset of experimental measurements for the Orion beam structure. Data in Brief, 2021, 39, 107627.	1.0	4
13	Magnetically induced friction damping based on magnetoactive elastomers – A proof of concept. Journal of Sound and Vibration, 2022, 534, 117000.	3.9	3
14	Development of a Magneto-Mechanical Bench and Experimental Characterization of Magneto-Rheological Elastomers. IEEE Transactions on Magnetism, 2022, 58, 1-4.	2.1	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.	0.5	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