

Julien Berthe

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

127
citations

1684188

5
h-index

1281871

11
g-index

20
all docs

20
docs citations

20
times ranked

132
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical investigation of the effect of porous titanium femoral prosthesis on bone remodeling. <i>Materials & Design</i> , 2011, 32, 1776-1782.	5.1	41
2	Static and dynamic bearing failure of carbon/epoxy composite joints. <i>Composite Structures</i> , 2018, 204, 131-141.	5.8	16
3	Temperature effects on the time dependent viscoelastic behaviour of carbon/epoxy composite materials: Application to T700GC/M21. <i>Materials & Design</i> , 2014, 62, 241-246.	5.1	12
4	Improved viscoelastic model for laminate composite under static and dynamic loadings. <i>Journal of Composite Materials</i> , 2013, 47, 1717-1727.	2.4	9
5	Consistent Identification of CFRP Viscoelastic Models from Creep to Dynamic Loadings. <i>Strain</i> , 2013, 49, 257-266.	2.4	8
6	Passive infrared thermography measurement of transverse cracking evolution in cross-ply laminates. <i>Strain</i> , 2018, 54, e12293.	2.4	6
7	Metrological assessment of multi-sensor camera technology for spatially-resolved ultra-high-speed imaging of transient high strain-rate deformation processes. <i>Strain</i> , 2021, 57, e12381.	2.4	6
8	Thermo-viscoelastic modelling of organic matrix composite behaviour – Application to T700GC/M21. <i>Mechanics of Materials</i> , 2015, 81, 18-24.	3.2	5
9	Experimental evaluation of the elastic limit of carbon-fibre reinforced epoxy composites under a large range of strain rate and temperature conditions. <i>Strain</i> , 2017, 53, e12248.	2.4	5
10	Development of a mixed mode double cantilever beam specimen for the fracture characterization of adhesives under high displacement rate. <i>Engineering Fracture Mechanics</i> , 2021, 242, 107467.	4.3	5
11	GPUCorrel: A GPU accelerated Digital Image Correlation software written in Python. <i>SoftwareX</i> , 2021, 16, 100815.	2.6	5
12	Dynamic Characterization of CFRP Composite Materials – Toward a Pre-normative Testing Protocol – Application to T700GC/M21 Material. <i>Procedia Engineering</i> , 2014, 80, 165-182.	1.2	4
13	A strain rate and temperature dependent criterion to describe the linear - non linear behaviour's transition of organic matrix composite materials in shear: Application to T700GC/M21. <i>Mechanics of Materials</i> , 2018, 124, 100-105.	3.2	2
14	Experimental investigation of the strain-rate effects on the failure of composite materials with off-axis tensile tests on unidirectional plies. <i>Strain</i> , 2021, 57, e12385.	2.4	1
15	$\pm 45^\circ$	6.3	1
16	Experimental Investigation of the Failure Rate Dependency of Composite Materials Using Off-Axis Tensile Tests. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2021, , 25-27.	0.5	0
17	Strain rate dependencies of intra and inter laminar properties of organic matrix composite materials. <i>Revue Des Composites Et Des Materiaux Avances</i> , 2015, 25, 117-130.	0.6	0
18	Infrared Thermography for Material Characterization at Intermediate Strain Rates. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2019, , 105-107.	0.5	0

#	ARTICLE	IF	CITATIONS
19	Comparing Methods to Detect the Formation of Damage in Composite Materials. Experimental Techniques, 0, , .	1.5	0