

Zoheir Aboura

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,288
citations

361413

20
h-index

361022

35
g-index

40
all docs

40
docs citations

40
times ranked

1118
citing authors

#	ARTICLE	IF	CITATIONS
1	A micromechanics model for 3D elasticity and failure of woven-fibre composite materials. <i>Composites Science and Technology</i> , 1999, 59, 505-517.	7.8	124
2	Elastic behavior of corrugated cardboard: experiments and modeling. <i>Composite Structures</i> , 2004, 63, 53-62.	5.8	119
3	On the use of in-situ piezoelectric sensors for the manufacturing and structural health monitoring of polymer-matrix composites: A literature review. <i>Composite Structures</i> , 2019, 215, 127-149.	5.8	108
4	On the mechanical effect of stitch addition in sandwich panel. <i>Composites Science and Technology</i> , 2006, 66, 1385-1398.	7.8	103
5	Experimental investigation of drilling damage and stitching effects on the mechanical behavior of carbon/epoxy composites. <i>International Journal of Machine Tools and Manufacture</i> , 2014, 87, 61-72.	13.4	69
6	Prediction of the elastic behaviour of hybrid and non-hybrid woven composites. <i>Composites Science and Technology</i> , 1998, 57, 1727-1740.	7.8	66
7	Impact response of three-dimensional stitched sandwich composite. <i>Composite Structures</i> , 2010, 92, 347-353.	5.8	59
8	Development of thermal insulating and sound absorbing agro-sourced materials from auto linked flax-tows. <i>Industrial Crops and Products</i> , 2011, 34, 921-928.	5.2	51
9	Analysis of the impact and compression after impact behavior of tufted laminated composites. <i>Composite Structures</i> , 2018, 184, 352-361.	5.8	45
10	Effects of the environmental conditions on the mechanical behaviour of the corrugated cardboard. <i>Composites Science and Technology</i> , 2009, 69, 104-110.	7.8	42
11	The effect of ageing on the damage events in woven-fibre composite materials under different loading conditions. <i>Composites Science and Technology</i> , 2002, 62, 551-557.	7.8	40
12	Analytical and numerical modeling of mechanical properties of orthogonal 3D CFRP. <i>Composites Science and Technology</i> , 2009, 69, 111-116.	7.8	37
13	Analysis of the mechanical behavior of composite T-joints reinforced by one side stitching. <i>Composite Structures</i> , 2018, 184, 249-255.	5.8	35
14	Some improvements on the energy absorbed in axial plastic collapse of hollow cylinders. <i>International Journal of Solids and Structures</i> , 2006, 43, 1543-1560.	2.7	32
15	Improvement of the electrical conductivity of carbon fiber reinforced polymer by incorporation of nanofillers and the resulting thermal and mechanical behavior. <i>Journal of Composite Materials</i> , 2018, 52, 1495-1503.	2.4	26
16	Integration of piezoelectric transducers (PZT and PVDF) within polymer-matrix composites for structural health monitoring applications: new success and challenges. <i>International Journal of Smart and Nano Materials</i> , 2020, 11, 343-369.	4.2	26
17	Phenomena governing uni-axial tensile behaviour of paperboard and corrugated cardboard. <i>Composite Structures</i> , 2009, 87, 80-92.	5.8	25
18	Homogenization of the core layer in stitched sandwich structures. <i>Composites Science and Technology</i> , 2010, 70, 350-355.	7.8	24

#	ARTICLE	IF	CITATIONS
19	Electrical resistance variation during tensile and self-heating tests conducted on thermoplastic polymer-matrix composites. <i>Composite Structures</i> , 2019, 224, 111001.	5.8	20
20	Digital image correlation, acoustic emission and in-situ microscopy in order to understand composite compression damage behavior. <i>Composite Structures</i> , 2021, 258, 113424.	5.8	20
21	Mechanical behavior of carbon-reinforced thermoplastic sandwich composites with several core types during three-point bending tests. <i>Composite Structures</i> , 2021, 262, 113590.	5.8	20
22	Structural health monitoring by the piezoresistive response of tufted reinforcements in sandwich composite panels. <i>Composite Structures</i> , 2019, 210, 109-117.	5.8	19
23	Structural health monitoring for GFRP composite by the piezoresistive response in the tufted reinforcements. <i>Composite Structures</i> , 2019, 209, 103-111.	5.8	17
24	Structural health monitoring of polymer-matrix composite using embedded piezoelectric ceramic transducers during several four-points bending tests. <i>Smart Materials and Structures</i> , 2020, 29, 125011.	3.5	17
25	Use of diffuse approximation on DIC for early damage detection in 3D carbon/epoxy composites. <i>Composites Science and Technology</i> , 2013, 88, 16-25.	7.8	16
26	Detection of the key steps during Liquid Resin Infusion manufacturing of a polymer-matrix composite using an in-situ piezoelectric sensor. <i>Materials Today Communications</i> , 2020, 24, 101077.	1.9	16
27	On the manufacturing, integration, and wiring techniques of in situ piezoelectric devices for the manufacturing and structural health monitoring of polymer-matrix composites: A literature review. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 2351-2381.	2.5	13
28	Multiaxial loading on a 3D woven carbon fiber reinforced plastic composite using tensile-torsion tests : Identification of the first damage envelope and associated damage mechanisms. <i>Composite Structures</i> , 2019, 227, 111305.	5.8	11
29	A vibration-based identification of elastic properties of stitched sandwich panels. <i>Journal of Composite Materials</i> , 2019, 53, 579-592.	2.4	10
30	A dynamic analysis approach for identifying the elastic properties of unstitched and stitched composite plates. <i>Composite Structures</i> , 2016, 152, 959-968.	5.8	9
31	Accurate measurement of in-plane and out-of-plane shear moduli on 3D woven SiC-SiBC material. <i>Composite Structures</i> , 2017, 172, 319-329.	5.8	9
32	Structural health monitoring of carbon fiber reinforced matrix by the resistance variation method. <i>Journal of Composite Materials</i> , 2020, 54, 3919-3930.	2.4	9
33	Study of the Dynamic Response of Polymer-Matrix Composites Using an Innovative Hydraulic Crash Machine. <i>Journal of Dynamic Behavior of Materials</i> , 2015, 1, 359-369.	1.7	6
34	A New Hydraulic Crash Machine for Composite Structures. <i>Journal of Dynamic Behavior of Materials</i> , 2015, 1, 94-100.	1.7	3
35	Understanding the damage mechanisms in 3D layer-to-layer woven composites from thermal and acoustic measurements. <i>Journal of Composite Materials</i> , 2022, 56, 1559-1575.	2.4	3
36	Optimisation du tissage de composites orthogonaux 3D. <i>Comptes Rendus - Mecanique</i> , 2008, 336, 704-713.	2.1	2

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37	Thermo-Stamping Process of Glass and Carbon-Fibre Reinforced Polymer Composites. Materials Sciences and Applications, 2020, 11, 319-337.	0.4	0