

Romain LÃ©ger

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

515
citations

759190

12
h-index

677123

22
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27
all docs

27
docs citations

27
times ranked

599
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved tear resistance by low environmental impact coupling of plasma reactive and additive treatment of a TPU/PET coated fabric. <i>Journal of Industrial Textiles</i> , 2022, 51, 4842S-4859S.	2.4	3
2	Surface energy determination of fibres for Liquid Composite Moulding processes: Method to estimate equilibrium contact angles from static and quasi-static data. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125787.	4.7	8
3	Effect of aging temperature on a thermoset-like novel acrylic thermoplastic composite for marine vessels. <i>Journal of Composite Materials</i> , 2021, 55, 2673-2691.	2.4	8
4	A Novel Thermoplastic Composite for Marine Applications: Comparison of the Effects of Aging on Mechanical Properties and Diffusion Mechanisms. <i>Applied Composite Materials</i> , 2021, 28, 899-922.	2.5	7
5	Recovery and reuse of carbon fibre and acrylic resin from thermoplastic composites used in marine application. <i>Resources, Conservation and Recycling</i> , 2021, 173, 105705.	10.8	19
6	Modification of flax fiber fabrics by radiation grafting: Application to epoxy thermosets and potentialities for silicone-natural fibers composites. <i>Radiation Physics and Chemistry</i> , 2020, 170, 108663.	2.8	10
7	Ultrasound evaluation of the mechanical properties as an investigation tool for the wood-polymer composites including olive wood flour. <i>Mechanics of Materials</i> , 2020, 148, 103445.	3.2	21
8	Dispersion control of raw and modified silica particles in PMMA. Impact on mechanical properties, from experiments to modelling. <i>Composites Part B: Engineering</i> , 2019, 157, 163-172.	12.0	9
9	Influence of hydrothermal ageing on the fatigue behaviour of a unidirectional flax-epoxy laminate. <i>Composites Part B: Engineering</i> , 2019, 174, 107056.	12.0	20
10	Effect of post curing temperature on mechanical properties of a flax fiber reinforced epoxy composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 107, 171-179.	7.6	78
11	What are the key parameters to produce a high-grade bio-based composite? Application to flax/epoxy UD laminates produced by thermocompression. <i>Composites Part B: Engineering</i> , 2018, 150, 36-46.	12.0	31
12	Impact on peel strength, tensile strength and shear viscosity of the addition of functionalized low density polyethylene to a thermoplastic polyurethane sheet calendered on a polyester fabric. <i>Journal of Industrial Textiles</i> , 2018, 48, 848-874.	2.4	3
13	Computational modelling of void growth in Phenolic Molding Compounds filled PolyPropylene from optical measurements. <i>Polymer Testing</i> , 2018, 71, 209-216.	4.8	3
14	Correlation between process and silica dispersion/distribution into composite: Impact on mechanical properties and Weibull statistical analysis. <i>Polymer Testing</i> , 2018, 70, 92-101.	4.8	14
15	Hyperelastic behavior of modified sepiolite/SEBS thermoplastic elastomers. <i>Journal of Materials Science</i> , 2017, 52, 7591-7604.	3.7	9
16	High speed imaging for assessment of impact damage in natural fibre biocomposites. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
17	Constitutive modeling of stress softening and permanent set in a porcine skin tissue: Impact of the storage preservation. <i>Journal of Biomechanics</i> , 2016, 49, 2863-2869.	2.1	13
18	Modeling of hydrothermal aging of short flax fiber reinforced composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 90, 559-566.	7.6	32

#	ARTICLE	IF	CITATIONS
19	Influence of impurities on the performances of HIPS recycled from Waste Electric and Electronic Equipment (WEEE). <i>Waste Management</i> , 2016, 56, 438-445.	7.4	27
20	Influence of moisture uptake on the static, cyclic and dynamic behaviour of unidirectional flax fibre-reinforced epoxy laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 88, 165-177.	7.6	92
21	Effects of Water Ageing on the Mechanical Properties of Flax and Glass Fibre Composites: Degradation and Reversibility. <i>RILEM Bookseries</i> , 2016, , 183-196.	0.4	6
22	Effect of sample preservation on stress softening and permanent set of porcine skin. <i>Journal of Biomechanics</i> , 2015, 48, 3135-3141.	2.1	23
23	Strain Localisation in iPP/MWCNT Nanocomposites Using Digital Image Correlation. <i>Strain</i> , 2014, 50, 37-47.	2.4	5
24	A study of the impact of humid aging on the strength of industrial adhesive joints. <i>International Journal of Adhesion and Adhesives</i> , 2013, 44, 66-77.	2.9	37
25	Constitutive modeling of a SEBS cast-calender: Large strain, compressibility and anisotropic damage induced by the process. <i>Polymer</i> , 2013, 54, 4594-4603.	3.8	8
26	Non-classical water diffusion in an industrial adhesive. <i>International Journal of Adhesion and Adhesives</i> , 2010, 30, 744-753.	2.9	26
27	Incorporation of Organomodified Layered Silicates and Silica in Thermoplastic Elastomers in Order to Improve Tear Strength. <i>Materials Science Forum</i> , 0, 714, 217-227.	0.3	3