

Giulia Fredi

List of Publications by Citations

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Version: 2024-04-23

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papers

426
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41
ext. papers

668
ext. citations

4
avg, IF

4.5
L-index

#	Paper	IF	Citations
33	Multifunctional epoxy/carbon fiber laminates for thermal energy storage and release. <i>Composites Science and Technology</i> , 2018 , 158, 101-111	8.6	54
32	Wax Confinement with Carbon Nanotubes for Phase Changing Epoxy Blends. <i>Polymers</i> , 2017 , 9,	4.5	47
31	Graphitic microstructure and performance of carbon fibre Li-ion structural battery electrodes. <i>Multifunctional Materials</i> , 2018 , 1, 015003	5.2	41
30	Multifunctional glass fiber/polyamide composites with thermal energy storage/release capability. <i>EXPRESS Polymer Letters</i> , 2018 , 12, 349-364	3.4	38
29	Docosane-Organosilica Microcapsules for Structural Composites with Thermal Energy Storage/Release Capability. <i>Materials</i> , 2019 , 12,	3.5	36
28	Novel reactive thermoplastic resin as a matrix for laminates containing phase change microcapsules. <i>Polymer Composites</i> , 2019 , 40, 3711-3724	3	25
27	Discontinuous carbon fiber/polyamide composites with microencapsulated paraffin for thermal energy storage. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47408	2.9	21
26	Application of the thermal energy storage concept to novel epoxy/short carbon fiber composites. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47434	2.9	19
25	Thermo-Mechanical Behavior of Novel Wood Laminae-Thermoplastic Starch Biodegradable Composites With Thermal Energy Storage/Release Capability. <i>Frontiers in Materials</i> , 2019 , 6,	4	18
24	Bioinspired Polydopamine Coating as an Adhesion Enhancer Between Paraffin Microcapsules and an Epoxy Matrix. <i>ACS Omega</i> , 2020 , 5, 19639-19653	3.9	17
23	Melt-spun polypropylene filaments containing paraffin microcapsules for multifunctional hybrid yarns and smart thermoregulating thermoplastic composites. <i>EXPRESS Polymer Letters</i> , 2019 , 13, 1071-1087	3.4	13
22	Detailed experimental and theoretical investigation of the thermomechanical properties of epoxy composites containing paraffin microcapsules for thermal management. <i>Polymer Engineering and Science</i> , 2020 , 60, 1202-1220	2.3	11
21	Dynamic-mechanical response of carbon fiber laminates with a reactive thermoplastic resin containing phase change microcapsules. <i>Mechanics of Time-Dependent Materials</i> , 2020 , 24, 395-418	1.2	10
20	Tuning thermo-mechanical properties of poly(lactic acid) films through blending with bioderived poly(alkylene furanoate)s with different alkyl chain length for sustainable packaging. <i>Polymer</i> , 2021 , 218, 123527	3.9	10
19	Novel phase change materials using thermoplastic composites 2018 ,		6
18	Effect of phase change microcapsules on the thermo-mechanical, fracture and heat storage properties of unidirectional carbon/epoxy laminates. <i>Polymer Testing</i> , 2020 , 91, 106747	4.5	6
17	Mechanical and Functional Properties of Novel Biobased Poly(decylene-2,5-furanoate)/Carbon Nanotubes Nanocomposite Films. <i>Polymers</i> , 2020 , 12,	4.5	6

16	Multifunctional structural composites for thermal energy storage. <i>Multifunctional Materials</i> , 2020 , 3, 042001	5.2	5
15	Polydopamine-Coated Paraffin Microcapsules as a Multifunctional Filler Enhancing Thermal and Mechanical Performance of a Flexible Epoxy Resin. <i>Journal of Composites Science</i> , 2020 , 4, 174	3	5
14	Innovative Bio-based Poly(Lactic Acid)/Poly(Alkylene Furanoate)s Fiber Blends for Sustainable Textile Applications. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 3948	4.5	5
13	Polyethylene-based single polymer laminates: Synergistic effects of nanosilica and metal hydroxides. <i>Journal of Reinforced Plastics and Composites</i> , 2019 , 38, 62-73	2.9	5
12	Novel Biobased Polylactic Acid/Poly(pentamethylene 2,5-furanoate) Blends for Sustainable Food Packaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 13742-13750	8.3	4
11	Cyclic Olefin Copolymer Interleaves for Thermally Mendable Carbon/Epoxy Laminates. <i>Molecules</i> , 2020 , 25,	4.8	3
10	Multifunctionality of Reduced Graphene Oxide in Bioderived Polylactide/Poly(Dodecylene Furanoate) Nanocomposite Films. <i>Molecules</i> , 2021 , 26,	4.8	3
9	Recycling of bioplastic waste: A review. <i>Advanced Industrial and Engineering Polymer Research</i> , 2021 , 4, 159-177	7.3	3
8	Synergistic effects of metal hydroxides and fumed nanosilica as fire retardants for polyethylene 2019 , 2, 30-48		3
7	Thermal management with polymer composites. <i>EXPRESS Polymer Letters</i> , 2019 , 13, 844-844	3.4	2
6	Thermal Energy Storage with Polymer Composites		2
5	Thermophysical Properties of Multifunctional Syntactic Foams Containing Phase Change Microcapsules for Thermal Energy Storage. <i>Polymers</i> , 2021 , 13,	4.5	2
4	Thin Films of Plasma-Polymerized n-Hexane and ZnO Nanoparticles Co-Deposited via Atmospheric Pressure Plasma Jet. <i>Coatings</i> , 2021 , 11, 167	2.9	2
3	Combined effect of fumed silica and metal hydroxides as fire retardants in PE single-polymer composites 2018 ,		1
2	A genipin crosslinked silk fibroin monolith by compression molding with recovering mechanical properties in physiological conditions. <i>Cell Reports Physical Science</i> , 2021 , 2, 100605	6.1	1
1	Sustainable textile fibers of bioderived polylactide/poly(pentamethylene 2,5-furanoate) blends. <i>Journal of Applied Polymer Science</i> , 2022 , 139, 51740	2.9	0