

# Giulia Fredi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33  
papers

426  
citations

11  
h-index

19  
g-index

41  
ext. papers

668  
ext. citations

4  
avg, IF

4.5  
L-index

#	Paper	IF	Citations
33	Sustainable textile fibers of bioderived polylactide/poly(pentamethylene 2,5-furanoate) blends. <i>Journal of Applied Polymer Science</i> , <b>2022</b> , 139, 51740	2.9	0
32	Novel Biobased Polylactic Acid/Poly(pentamethylene 2,5-furanoate) Blends for Sustainable Food Packaging. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 13742-13750	8.3	4
31	A genipin crosslinked silk fibroin monolith by compression molding with recovering mechanical properties in physiological conditions. <i>Cell Reports Physical Science</i> , <b>2021</b> , 2, 100605	6.1	1
30	Innovative Bio-based Poly(Lactic Acid)/Poly(Alkylene Furanoate)s Fiber Blends for Sustainable Textile Applications. <i>Journal of Polymers and the Environment</i> , <b>2021</b> , 29, 3948	4.5	5
29	Multifunctionality of Reduced Graphene Oxide in Bioderived Polylactide/Poly(Dodecylene Furanoate) Nanocomposite Films. <i>Molecules</i> , <b>2021</b> , 26,	4.8	3
28	Thermophysical Properties of Multifunctional Syntactic Foams Containing Phase Change Microcapsules for Thermal Energy Storage. <i>Polymers</i> , <b>2021</b> , 13,	4.5	2
27	Recycling of bioplastic waste: A review. <i>Advanced Industrial and Engineering Polymer Research</i> , <b>2021</b> , 4, 159-177	7.3	3
26	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> , <b>2021</b> , 218, 123527	3.9	10
25	Thin Films of Plasma-Polymerized n-Hexane and ZnO Nanoparticles Co-Deposited via Atmospheric Pressure Plasma Jet. <i>Coatings</i> , <b>2021</b> , 11, 167	2.9	2
24	Detailed experimental and theoretical investigation of the thermomechanical properties of epoxy composites containing paraffin microcapsules for thermal management. <i>Polymer Engineering and Science</i> , <b>2020</b> , 60, 1202-1220	2.3	11
23	Multifunctional structural composites for thermal energy storage. <i>Multifunctional Materials</i> , <b>2020</b> , 3, 042001	5.2	5
22	Effect of phase change microcapsules on the thermo-mechanical, fracture and heat storage properties of unidirectional carbon/epoxy laminates. <i>Polymer Testing</i> , <b>2020</b> , 91, 106747	4.5	6
21	Polydopamine-Coated Paraffin Microcapsules as a Multifunctional Filler Enhancing Thermal and Mechanical Performance of a Flexible Epoxy Resin. <i>Journal of Composites Science</i> , <b>2020</b> , 4, 174	3	5
20	Cyclic Olefin Copolymer Interleaves for Thermally Mendable Carbon/Epoxy Laminates. <i>Molecules</i> , <b>2020</b> , 25,	4.8	3
19	Bioinspired Polydopamine Coating as an Adhesion Enhancer Between Paraffin Microcapsules and an Epoxy Matrix. <i>ACS Omega</i> , <b>2020</b> , 5, 19639-19653	3.9	17
18	Mechanical and Functional Properties of Novel Biobased Poly(decylene-2,5-furanoate)/Carbon Nanotubes Nanocomposite Films. <i>Polymers</i> , <b>2020</b> , 12,	4.5	6
17	Dynamic-mechanical response of carbon fiber laminates with a reactive thermoplastic resin containing phase change microcapsules. <i>Mechanics of Time-Dependent Materials</i> , <b>2020</b> , 24, 395-418	1.2	10

16	Melt-spun polypropylene filaments containing paraffin microcapsules for multifunctional hybrid yarns and smart thermoregulating thermoplastic composites. <i>EXPRESS Polymer Letters</i> , <b>2019</b> , 13, 1071-1087	3.4	13
15	Application of the thermal energy storage concept to novel epoxy/graphite short carbon fiber composites. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47434	2.9	19
14	Thermo-Mechanical Behavior of Novel Wood Laminae-Thermoplastic Starch Biodegradable Composites With Thermal Energy Storage/Release Capability. <i>Frontiers in Materials</i> , <b>2019</b> , 6,	4	18
13	Docosane-Organosilica Microcapsules for Structural Composites with Thermal Energy Storage/Release Capability. <i>Materials</i> , <b>2019</b> , 12,	3.5	36
12	Novel reactive thermoplastic resin as a matrix for laminates containing phase change microcapsules. <i>Polymer Composites</i> , <b>2019</b> , 40, 3711-3724	3	25
11	Thermal management with polymer composites. <i>EXPRESS Polymer Letters</i> , <b>2019</b> , 13, 844-844	3.4	2
10	Synergistic effects of metal hydroxides and fumed nanosilica as fire retardants for polyethylene <b>2019</b> , 2, 30-48		3
9	Discontinuous carbon fiber/polyamide composites with microencapsulated paraffin for thermal energy storage. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47408	2.9	21
8	Polyethylene-based single polymer laminates: Synergistic effects of nanosilica and metal hydroxides. <i>Journal of Reinforced Plastics and Composites</i> , <b>2019</b> , 38, 62-73	2.9	5
7	Multifunctional epoxy/carbon fiber laminates for thermal energy storage and release. <i>Composites Science and Technology</i> , <b>2018</b> , 158, 101-111	8.6	54
6	Combined effect of fumed silica and metal hydroxides as fire retardants in PE single-polymer composites <b>2018</b> ,		1
5	Novel phase change materials using thermoplastic composites <b>2018</b> ,		6
4	Multifunctional glass fiber/polyamide composites with thermal energy storage/release capability. <i>EXPRESS Polymer Letters</i> , <b>2018</b> , 12, 349-364	3.4	38
3	Graphitic microstructure and performance of carbon fibre Li-ion structural battery electrodes. <i>Multifunctional Materials</i> , <b>2018</b> , 1, 015003	5.2	41
2	Wax Confinement with Carbon Nanotubes for Phase Changing Epoxy Blends. <i>Polymers</i> , <b>2017</b> , 9,	4.5	47
1	Thermal Energy Storage with Polymer Composites		2