

Giada Lo Re

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.

38

papers

894

citations

18

h-index

29

g-index

41

ext. papers

1,070

ext. citations

6

avg, IF

4.45

L-index

#	Paper	IF	Citations
38	Water-assisted melt processing of cellulose biocomposites with poly(ϵ -caprolactone) or poly(ethylene-acrylic acid) for the production of carton screw caps. <i>Journal of Applied Polymer Science</i> , 2022 , 139, 51615	2.9	0
37	Green Topochemical Esterification Effects on the Supramolecular Structure of Chitin Nanocrystals: Implications for Highly Stable Pickering Emulsions.. <i>ACS Applied Nano Materials</i> , 2022 , 5, 4731-4743	5.6	0
36	A Combined Theoretical and Experimental Study of the Polymer Matrix-Mediated Stress Transfer in a Cellulose Nanocomposite. <i>Macromolecules</i> , 2021 , 54, 3507-3516	5.5	4
35	Thermo-mechanical variability of post-industrial and post-consumer recycle PC-ABS. <i>Polymer Testing</i> , 2021 , 99, 107216	4.5	3
34	Synergistic reinforcement of a reversible Diels-Alder type network with nanocellulose. <i>Materials Advances</i> , 2021 , 2, 5171-5180	3.3	1
33	Substantial Effect of Water on Radical Melt Crosslinking and Rheological Properties of Poly(ϵ -Caprolactone). <i>Polymers</i> , 2021 , 13,	4.5	4
32	Surface modification effects on nanocellulose [molecular dynamics simulations using umbrella sampling and computational alchemy. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 23617-23627	13	10
31	Interphase Design of Cellulose Nanocrystals/Poly(hydroxybutyrate--valerate) Bionanocomposites for Mechanical and Thermal Properties Tuning. <i>Biomacromolecules</i> , 2020 , 21, 1892-1901	6.9	13
30	Processing-structure-property relationships of electrospun PLA-PEO membranes reinforced with enzymatic cellulose nanofibers. <i>Polymer Testing</i> , 2020 , 81, 106182	4.5	22
29	Strong Reinforcement Effects in 2D Cellulose Nanofibril-Graphene Oxide (CNF-GO) Nanocomposites due to GO-Induced CNF Ordering. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 17608-17620	13	13
28	Sustainable pathway towards large scale melt processing of the new generation of renewable cellulose-polyamide composites.. <i>RSC Advances</i> , 2020 , 11, 637-656	3.7	7
27	Molecular Engineering of the Cellulose-Poly(Caprolactone) Bio-Nanocomposite Interface by Reactive Amphiphilic Copolymer Nanoparticles. <i>ACS Nano</i> , 2019 , 13, 6409-6420	16.7	14
26	Melt-processing of cellulose nanofibril/polylactide bionanocomposites via a sustainable polyethylene glycol-based carrier system. <i>Carbohydrate Polymers</i> , 2019 , 224, 115188	10.3	8
25	Tunable Thermosetting Epoxies Based on Fractionated and Well-Characterized Lignins. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4054-4061	16.4	130
24	Advanced piezoresistive sensor achieved by amphiphilic nanointerfaces of graphene oxide and biodegradable polymer blends. <i>Composites Science and Technology</i> , 2018 , 156, 166-176	8.6	57
23	Poly(ϵ -caprolactone) Biocomposites Based on Acetylated Cellulose Fibers and Wet Compounding for Improved Mechanical Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 6753-6760	8.3	18
22	Tailoring Nanocellulose-Cellulose Triacetate Interfaces by Varying the Surface Grafting Density of Poly(ethylene glycol). <i>ACS Omega</i> , 2018 , 3, 11883-11889	3.9	10

21	Wet Feeding Approach for Cellulosic Materials/PCL Biocomposites. <i>ACS Symposium Series</i> , 2018 , 209-226.	0.4	1
20	Improved Cellulose Nanofibril Dispersion in Melt-Processed Polycaprolactone Nanocomposites by a Latex-Mediated Interphase and Wet Feeding as LDPE Alternative. <i>ACS Applied Nano Materials</i> , 2018 , 1, 2669-2677	5.6	21
19	Multiresponsive Shape Memory Blends and Nanocomposites Based on Starch. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19197-201	9.5	31
18	The role of PLLA-g-montmorillonite nanohybrids in the acceleration of the crystallization rate of a commercial PLA. <i>CrystEngComm</i> , 2016 , 18, 9334-9344	3.3	14
17	Poly lactide/cellulose nanocrystal nanocomposites: Efficient routes for nanofiber modification and effects of nanofiber chemistry on PLA reinforcement. <i>Polymer</i> , 2015 , 65, 9-17	3.9	136
16	In Situ Metal-Free Synthesis of Polylactide Enantiomers Grafted from Nanoclays of High Thermostability. <i>ACS Symposium Series</i> , 2015 , 287-303	0.4	
15	Enzymatic reactive extrusion: moving towards continuous enzyme-catalysed polyester polymerisation and processing. <i>Green Chemistry</i> , 2015 , 17, 4146-4150	10	39
14	Poly(ϵ -pentadecalactone)- <i>b</i> -poly(L-lactide) Block Copolymers via Organic-Catalyzed Ring Opening Polymerization and Potential Applications. <i>ACS Macro Letters</i> , 2015 , 4, 408-411	6.6	49
13	Bio-based epoxy resin toughening with cashew nut shell liquid-derived resin. <i>Green Materials</i> , 2015 , 3, 80-92	3.2	19
12	Modification of cellulose nanocrystals with lactic acid for direct melt blending with PLA 2015 ,		4
11	A facile method to determine pore size distribution in porous scaffold by using image processing. <i>Micron</i> , 2015 , 76, 37-45	2.3	47
10	Stereocomplexed PLA nanocomposites: From in situ polymerization to materials properties. <i>European Polymer Journal</i> , 2014 , 54, 138-150	5.2	49
9	Phenanthroline-functionalized MWCNTs as versatile platform for lanthanides complexation. <i>Carbon</i> , 2014 , 70, 22-29	10.4	1
8	Biodegradation paths of Mater-Bi /kenaf biodegradable composites. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 3198-3208	2.9	31
7	Kenaf-filled biodegradable composites: rheological and mechanical behaviour. <i>Polymer International</i> , 2012 , 61, 1542-1548	3.3	18
6	3D polylactide-based scaffolds for studying human hepatocarcinoma processes. <i>Science and Technology of Advanced Materials</i> , 2012 , 13, 045003	7.1	21
5	A new route for the preparation of flexible skin-like poly(ethylene-co-acrylic acid)/polyaniline functional hybrids. <i>Reactive and Functional Polymers</i> , 2011 , 71, 1177-1186	4.6	8
4	Surface modification of poly(ethylene-co-acrylic acid) with amino-functionalized silica nanoparticles. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3849		27

3	Effect of the processing techniques on the properties of eco-composites based on vegetable oil-derived Mater-Bi and wood flour. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 2855-2863	2.9	29
2	Degradation of Mater-Bi /wood flour biocomposites in active sewage sludge. <i>Polymer Degradation and Stability</i> , 2009 , 94, 1220-1229	4.7	29
1	Effect of the processing on the properties of biopolymer based composites filled with wood flour. <i>International Journal of Material Forming</i> , 2008 , 1, 759-762	2	6