Giada Lo Re

List of Publications by Citations

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	Polylactide/cellulose nanocrystal nanocomposites: Efficient routes for nanofiber modification and effects of nanofiber chemistry on PLA reinforcement. *Polymer*, **2015**, 65, 9-17	3.9	136
37	Tunable Thermosetting Epoxies Based on Fractionated and Well-Characterized Lignins. *Journal of the American Chemical Society*, **2018**, 140, 4054-4061	16.4	130
36	Advanced piezoresistive sensor achieved by amphiphilic nanointerfaces of graphene oxide and biodegradable polymer blends. *Composites Science and Technology*, **2018**, 156, 166-176	8.6	57
35	Poly(Ɛpentadecalactone)-b-poly(l-lactide) Block Copolymers via Organic-Catalyzed Ring Opening Polymerization and Potential Applications. *ACS Macro Letters*, **2015**, 4, 408-411	6.6	49
34	Stereocomplexed PLA nanocomposites: From in situ polymerization to materials properties. *European Polymer Journal*, **2014**, 54, 138-150	5.2	49
33	A facile method to determine pore size distribution in porous scaffold by using image processing. *Micron*, **2015**, 76, 37-45	2.3	47
32	Enzymatic reactive extrusion: moving towards continuous enzyme-catalysed polyester polymerisation and processing. *Green Chemistry*, **2015**, 17, 4146-4150	10	39
31	Multiresponsive Shape Memory Blends and Nanocomposites Based on Starch. *ACS Applied Materials & Interfaces*, **2016**, 8, 19197-201	9.5	31
30	Biodegradation paths of Mater-Bi /kenaf biodegradable composites. *Journal of Applied Polymer Science*, **2013**, 129, 3198-3208	2.9	31
29	Effect of the processing techniques on the properties of ecocomposites based on vegetable oil-derived Mater-Bi and wood flour. *Journal of Applied Polymer Science*, **2009**, 114, 2855-2863	2.9	29
28	Degradation of Mater-Bi /wood flour biocomposites in active sewage sludge. *Polymer Degradation and Stability*, **2009**, 94, 1220-1229	4.7	29
27	Surface modification of poly(ethylene-co-acrylic acid) with amino-functionalized silica nanoparticles. *Journal of Materials Chemistry*, **2011**, 21, 3849		27
26	Processing-structure-property relationships of electrospun PLA-PEO membranes reinforced with enzymatic cellulose nanofibers. *Polymer Testing*, **2020**, 81, 106182	4.5	22
25	3D polylactide-based scaffolds for studying human hepatocarcinoma processes. *Science and Technology of Advanced Materials*, **2012**, 13, 045003	7.1	21
24	Improved Cellulose Nanofibril Dispersion in Melt-Processed Polycaprolactone Nanocomposites by a Latex-Mediated Interphase and Wet Feeding as LDPE Alternative. *ACS Applied Nano Materials*, **2018**, 1, 2669-2677	5.6	21
23	Bio-based epoxy resin toughening with cashew nut shell liquid-derived resin. *Green Materials*, **2015**, 3, 80-92	3.2	19
22	Poly(Ɛcaprolactone) Biocomposites Based on Acetylated Cellulose Fibers and Wet Compounding for Improved Mechanical Performance. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 6753-6760	8.3	18

21	Kenaf-filled biodegradable composites: rheological and mechanical behaviour. *Polymer International*, **2012**, 61, 1542-1548	3.3	18
20	Molecular Engineering of the Cellulose-Poly(Caprolactone) Bio-Nanocomposite Interface by Reactive Amphiphilic Copolymer Nanoparticles. *ACS Nano*, **2019**, 13, 6409-6420	16.7	14
19	The role of PLLA-g-montmorillonite nanohybrids in the acceleration of the crystallization rate of a commercial PLA. *CrystEngComm*, **2016**, 18, 9334-9344	3.3	14
18	Interphase Design of Cellulose Nanocrystals/Poly(hydroxybutyrate--valerate) Bionanocomposites for Mechanical and Thermal Properties Tuning. *Biomacromolecules*, **2020**, 21, 1892-1901	6.9	13
17	Strong Reinforcement Effects in 2D Cellulose Nanofibril-Graphene Oxide (CNF-GO) Nanocomposites due to GO-Induced CNF Ordering. *Journal of Materials Chemistry A*, **2020**, 8, 17608-17620	13	13
16	Surface modification effects on nanocellulose molecular dynamics simulations using umbrella sampling and computational alchemy. *Journal of Materials Chemistry A*, **2020**, 8, 23617-23627	13	10
15	Tailoring Nanocellulose-Cellulose Triacetate Interfaces by Varying the Surface Grafting Density of Poly(ethylene glycol). *ACS Omega*, **2018**, 3, 11883-11889	3.9	10
14	Melt-processing of cellulose nanofibril/polylactide bionanocomposites via a sustainable polyethylene glycol-based carrier system. *Carbohydrate Polymers*, **2019**, 224, 115188	10.3	8
13	A new route for the preparation of flexible skin core poly(ethylene-co-acrylic acid)/polyaniline functional hybrids. *Reactive and Functional Polymers*, **2011**, 71, 1177-1186	4.6	8
12	Sustainable pathway towards large scale melt processing of the new generation of renewable cellulose-polyamide composites.. *RSC Advances*, **2020**, 11, 637-656	3.7	7
11	Effect of the processing on the properties of biopolymer based composites filled with wood flour. *International Journal of Material Forming*, **2008**, 1, 759-762	2	6
10	Modification of cellulose nanocrystals with lactic acid for direct melt blending with PLA **2015**,		4
9	A Combined Theoretical and Experimental Study of the Polymer Matrix-Mediated Stress Transfer in a Cellulose Nanocomposite. *Macromolecules*, **2021**, 54, 3507-3516	5.5	4
8	Substantial Effect of Water on Radical Melt Crosslinking and Rheological Properties of Poly(Caprolactone). *Polymers*, **2021**, 13,	4.5	4
7	Thermo-mechanical variability of post-industrial and post-consumer recyclate PC-ABS. *Polymer Testing*, **2021**, 99, 107216	4.5	3
6	Phenanthroline-functionalized MWCNTs as versatile platform for lanthanides complexation. *Carbon* , **2014**, 70, 22-29	10.4	1
5	Synergistic reinforcement of a reversible Diels Alder type network with nanocellulose. *Materials Advances*, **2021**, 2, 5171-5180	3.3	1
4	Wet Feeding Approach for Cellulosic Materials/PCL Biocomposites. *ACS Symposium Series*, **2018**, 209-226	0.4	1

3	Water-assisted melt processing of cellulose biocomposites with poly(Ecaprolactone) or poly(ethylene-acrylic acid) for the production of carton screw caps. *Journal of Applied Polymer Science*, **2022**, 139, 51615	2.9	0
2	Green Topochemical Esterification Effects on the Supramolecular Structure of Chitin Nanocrystals: Implications for Highly Stable Pickering Emulsions.. *ACS Applied Nano Materials*, **2022**, 5, 4731-4743	5.6	0
1	In Situ Metal-Free Synthesis of Polylactide Enantiomers Grafted from Nanoclays of High Thermostability. *ACS Symposium Series*, **2015**, 287-303	0.4	