

Giada Lo Re

List of Publications by Year in descending order

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40
papers

1,275
citations

331259

21
h-index

360668

35
g-index

41
all docs

41
docs citations

41
times ranked

1889
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable Thermosetting Epoxies Based on Fractionated and Well-Characterized Lignins. <i>Journal of the American Chemical Society</i> , 2018, 140, 4054-4061.	6.6	220
2	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.	1.8	163
3	Advanced piezoresistive sensor achieved by amphiphilic nanointerfaces of graphene oxide and biodegradable polymer blends. <i>Composites Science and Technology</i> , 2018, 156, 166-176.	3.8	78
4	Poly(ϵ -pentadecalactone)- <i>b</i> -poly(<i>L</i> -lactide) Block Copolymers via Organic-Catalyzed Ring Opening Polymerization and Potential Applications. <i>ACS Macro Letters</i> , 2015, 4, 408-411.	2.3	56
5	Stereocomplexed PLA nanocomposites: From in situ polymerization to materials properties. <i>European Polymer Journal</i> , 2014, 54, 138-150.	2.6	51
6	A facile method to determine pore size distribution in porous scaffold by using image processing. <i>Micron</i> , 2015, 76, 37-45.	1.1	51
7	Enzymatic reactive extrusion: moving towards continuous enzyme-catalysed polyester polymerisation and processing. <i>Green Chemistry</i> , 2015, 17, 4146-4150.	4.6	49
8	Multiresponsive Shape Memory Blends and Nanocomposites Based on Starch. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19197-19201.	4.0	40
9	Biodegradation paths of Mater-Bi [®] /kenaf biodegradable composites. <i>Journal of Applied Polymer Science</i> , 2013, 129, 3198-3208.	1.3	39
10	Degradation of Mater-Bi [®] /wood flour biocomposites in active sewage sludge. <i>Polymer Degradation and Stability</i> , 2009, 94, 1220-1229.	2.7	35
11	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.	2.4	34
12	Effect of the processing techniques on the properties of eco-composites based on vegetable oil ϵ -derived Mater-Bi [®] and wood flour. <i>Journal of Applied Polymer Science</i> , 2009, 114, 2855-2863.	1.3	33
13	Poly(μ -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.	3.2	31
14	Strong reinforcement effects in 2D cellulose nanofibril ϵ -graphene oxide (CNF ϵ -GO) nanocomposites due to GO-induced CNF ordering. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17608-17620.	5.2	31
15	Surface modification of poly(ethylene-co-acrylic acid) with amino-functionalized silica nanoparticles. <i>Journal of Materials Chemistry</i> , 2011, 21, 3849.	6.7	30
16	Processing-structure-property relationships of electrospun PLA-PEO membranes reinforced with enzymatic cellulose nanofibers. <i>Polymer Testing</i> , 2020, 81, 106182.	2.3	30
17	Molecular Engineering of the Cellulose-Poly(Caprolactone) Bio-Nanocomposite Interface by Reactive Amphiphilic Copolymer Nanoparticles. <i>ACS Nano</i> , 2019, 13, 6409-6420.	7.3	26
18	3D polylactide-based scaffolds for studying human hepatocarcinoma processes <i>in vitro</i> . <i>Science and Technology of Advanced Materials</i> , 2012, 13, 045003.	2.8	25

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19	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.	5.2	24
20	Biocomposite PBAT/lignin blown films with enhanced photo-stability. <i>International Journal of Biological Macromolecules</i> , 2022, 217, 161-170.	3.6	24
21	Bio-based epoxy resin toughening with cashew nut shell liquid-derived resin. <i>Green Materials</i> , 2015, 3, 80-92.	1.1	23
22	Kenaf-filled biodegradable composites: rheological and mechanical behaviour. <i>Polymer International</i> , 2012, 61, 1542-1548.	1.6	22
23	Melt-processing of cellulose nanofibril/polylactide bionanocomposites via a sustainable polyethylene glycol-based carrier system. <i>Carbohydrate Polymers</i> , 2019, 224, 115188.	5.1	20
24	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.	1.3	19
25	Interphase Design of Cellulose Nanocrystals/Poly(hydroxybutyrate-co-valerate) Bionanocomposites for Mechanical and Thermal Properties Tuning. <i>Biomacromolecules</i> , 2020, 21, 1892-1901.	2.6	17
26	Sustainable pathway towards large scale melt processing of the new generation of renewable cellulose-polyamide composites. <i>RSC Advances</i> , 2021, 11, 637-656.	1.7	14
27	A Combined Theoretical and Experimental Study of the Polymer Matrix-Mediated Stress Transfer in a Cellulose Nanocomposite. <i>Macromolecules</i> , 2021, 54, 3507-3516.	2.2	13
28	Tailoring Nanocellulose-Cellulose Triacetate Interfaces by Varying the Surface Grafting Density of Poly(ethylene glycol). <i>ACS Omega</i> , 2018, 3, 11883-11889.	1.6	12
29	Substantial Effect of Water on Radical Melt Crosslinking and Rheological Properties of Poly(μ -Caprolactone). <i>Polymers</i> , 2021, 13, 491.	2.0	12
30	Thermo-mechanical variability of post-industrial and post-consumer recycle PC-ABS. <i>Polymer Testing</i> , 2021, 99, 107216.	2.3	10
31	A new route for the preparation of flexible skin-core poly(ethylene-co-acrylic acid)/polyaniline functional hybrids. <i>Reactive and Functional Polymers</i> , 2011, 71, 1177-1186.	2.0	8
32	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.	2.4	7
33	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.	0.9	6
34	Modification of cellulose nanocrystals with lactic acid for direct melt blending with PLA. <i>AIP Conference Proceedings</i> , 2015, .	0.3	6
35	Wet Feeding Approach for Cellulosic Materials/PCL Biocomposites. <i>ACS Symposium Series</i> , 2018, , 209-226.	0.5	6
36	Water-assisted melt processing of cellulose biocomposites with poly(μ -caprolactone) or poly(ethylene-co-acrylic acid) for the production of carton screw caps. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51615.	1.3	4

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37	Synergistic reinforcement of a reversible Diels-Alder type network with nanocellulose. <i>Materials Advances</i> , 2021, 2, 5171-5180.	2.6	3
38	Phenanthroline-functionalized MWCNTs as versatile platform for lanthanides complexation. <i>Carbon</i> , 2014, 70, 22-29.	5.4	1
39	Biobased epoxy resin toughening with cashew nut shell liquid-derived resin. <i>Green Materials</i> , 2015, 3, 1-38.	1.1	1
40	In Situ Metal-Free Synthesis of Polylactide Enantiomers Grafted from Nanoclays of High Thermostability. <i>ACS Symposium Series</i> , 2015, , 287-303.	0.5	0