

Roberto Scaffaro

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4707993/roberto-scaffaro-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

175
papers

4,851
citations

40
h-index

57
g-index

179
ext. papers

5,559
ext. citations

4.8
avg, IF

6.25
L-index

#	Paper	IF	Citations
175	Green Composites Prepared by Compression Molding and Fused Deposition Modeling.. <i>Materials</i> , 2022 , 15,	3.5	6
174	An innovative route to prepare in situ graded crosslinked PVA graphene electrospun mats for drug release. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022 , 155, 106827	8.4	5
173	Green Composites Based on with Outstanding FDM Printability and Mechanical Performance.. <i>Polymers</i> , 2022 , 14,	4.5	3
172	Wet electrospinning-aided self-assembly of multifunctional GO-CNT@PCL core-shell nanocomposites with spider leg bioinspired hierarchical architectures. <i>Composites Science and Technology</i> , 2022 , 221, 109363	8.6	4
171	Modelling the structure-property relationships of high performance PBAT-based biocomposites with natural fibers obtained from <i>Chamaerops humilis</i> dwarf palm. <i>Composites Science and Technology</i> , 2022 , 223, 109427	8.6	0
170	Opuntia Ficus Indica based green composites for NPK fertilizer controlled release produced by compression molding and Fused Deposition Modeling. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022 , 107030	8.4	3
169	Matrix and Filler Recycling of Carbon and Glass Fiber-Reinforced Polymer Composites: A Review. <i>Polymers</i> , 2021 , 13,	4.5	6
168	Green Composites Based on PLA and Agricultural or Marine Waste Prepared by FDM. <i>Polymers</i> , 2021 , 13,	4.5	14
167	Ionic tactile sensors as promising biomaterials for artificial skin: Review of latest advances and future perspectives. <i>European Polymer Journal</i> , 2021 , 151, 110421	5.2	10
166	Effect of an organoclay on the photochemical transformations of a PBAT/PLA blend and morpho-chemical features of crosslinked networks. <i>Polymer Degradation and Stability</i> , 2021 , 187, 109549	4.7	7
165	An Overview of Functionalized Graphene Nanomaterials for Advanced Applications. <i>Nanomaterials</i> , 2021 , 11,	5.4	8
164	A New Methodological Approach to Correlate Protective and Microscopic Properties by Soft X-ray Microscopy and Solid State NMR Spectroscopy: The Case of Cusa Stone. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5767	2.6	
163	Hydrolytic degradation of PLA/Posidonia Oceanica green composites: A simple model based on starting morpho-chemical properties. <i>Composites Science and Technology</i> , 2021 , 213, 108930	8.6	6
162	Innovative, ecofriendly biosorbent-biodegrading biofilms for bioremediation of oil- contaminated water. <i>New Biotechnology</i> , 2020 , 58, 25-31	6.4	21
161	Bilayer biodegradable films prepared by co-extrusion film blowing: Mechanical performance, release kinetics of an antimicrobial agent and hydrolytic degradation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 132, 105836	8.4	6
160	The Effects of Nanoclay on the Mechanical Properties, Carvacrol Release and Degradation of a PLA/PBAT Blend. <i>Materials</i> , 2020 , 13,	3.5	14
159	PLA-based functionally graded laminates for tunable controlled release of carvacrol obtained by combining electrospinning with solvent casting. <i>Reactive and Functional Polymers</i> , 2020 , 148, 104490	4.6	15

158	Poly(lactic acid)/carvacrol-based materials: preparation, physicochemical properties, and antimicrobial activity. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 1823-1835	5.7	12
157	Graphene Oxide Carboxymethylcellulose Nanocomposite for Dressing Materials. <i>Materials</i> , 2020 , 13,	3.5	18
156	Lignocellulosic fillers and graphene nanoplatelets as hybrid reinforcement for polylactic acid: Effect on mechanical properties and degradability. <i>Composites Science and Technology</i> , 2020 , 190, 108008	8.6	26
155	Collapsible intact soil stabilisation using non-aqueous polymeric vehicle. <i>Engineering Geology</i> , 2020 , 264, 105334	6	4
154	Processing-structure-property relationships of electrospun PLA-PEO membranes reinforced with enzymatic cellulose nanofibers. <i>Polymer Testing</i> , 2020 , 81, 106182	4.5	22
153	Rapid One-Step Fabrication of Graphene Oxide-Decorated Polycaprolactone Three-Dimensional Templates for Water Treatment. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 4993-5005	4.3	23
152	Flexible mats as promising antimicrobial systems via integration of (L.) essential oil into PLA. <i>Future Microbiology</i> , 2020 , 15, 1379-1392	2.9	5
151	Structure-property relationship and controlled drug release from multiphasic electrospun carvacrol-embedded polylactic acid/polyethylene glycol and polylactic acid/polyethylene oxide nanofiber mats. <i>Journal of Industrial Textiles</i> , 2020 , 49, 943-966	1.6	13
150	Influence of Oxidation Level of Graphene Oxide on the Mechanical Performance and Photo-Oxidation Resistance of a Polyamide 6. <i>Polymers</i> , 2019 , 11,	4.5	26
149	Integrated ternary bionanocomposites with superior mechanical performance via the synergistic role of graphene and plasma treated carbon nanotubes. <i>Composites Part B: Engineering</i> , 2019 , 168, 550-559	10	31
148	Degradation and Recycling of Films Based on Biodegradable Polymers: A Short Review. <i>Polymers</i> , 2019 , 11,	4.5	99
147	Antibacterial biopolymeric foams: Structure-property relationship and carvacrol release kinetics. <i>European Polymer Journal</i> , 2019 , 121, 109298	5.2	10
146	Functionalization of Graphene with Molecules and/or Nanoparticles for Advanced Applications 2019 , 559-609		0
145	Collapsibility of metastable sand by non-conventional oedometer tests. <i>Granular Matter</i> , 2019 , 21, 1	2.6	6
144	Structure-property relationship of PLA-Opuntia Ficus Indica biocomposites. <i>Composites Part B: Engineering</i> , 2019 , 167, 199-206	10	40
143	Tunable release of Chlorhexidine from Polycaprolactone-based filaments containing graphene nanoplatelets. <i>European Polymer Journal</i> , 2019 , 110, 221-232	5.2	24
142	Effect of graphene and fabrication technique on the release kinetics of carvacrol from polylactic acid. <i>Composites Science and Technology</i> , 2019 , 169, 60-69	8.6	41
141	Optimization of two-step techniques engineered for the preparation of polyamide 6 graphene oxide nanocomposites. <i>Composites Part B: Engineering</i> , 2019 , 165, 55-64	10	34

140	Properties-morphology relationships in electrospun mats based on polylactic acid and graphene nanoplatelets. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 108, 23-29	8.4	23
139	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
138	Efficacy of poly(lactic acid)/carvacrol electrospun membranes against <i>Staphylococcus aureus</i> and <i>Candida albicans</i> in single and mixed cultures. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 4171-4181	5.7	46
137	Processing, structure, property relationships and release kinetics of electrospun PLA/Carvacrol membranes. <i>European Polymer Journal</i> , 2018 , 100, 165-171	5.2	36
136	Perfluorocarbons-graphene oxide nanoplateforms as biocompatible oxygen reservoirs. <i>Chemical Engineering Journal</i> , 2018 , 334, 54-65	14.7	47
135	Antimicrobial additives for poly(lactic acid) materials and their applications: current state and perspectives. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 7739-7756	5.7	43
134	Physical properties of green composites based on poly-lactic acid or Mater-Bi filled with <i>Posidonia Oceanica</i> leaves. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 112, 315-327	8.4	49
133	PLA based biocomposites reinforced with <i>Posidonia oceanica</i> leaves. <i>Composites Part B: Engineering</i> , 2018 , 139, 1-11	10	59
132	Biopolymeric bilayer films produced by co-extrusion film blowing. <i>Polymer Testing</i> , 2018 , 65, 35-43	4.5	20
131	Synchronizing the release rates of salicylate and indomethacin from degradable chitosan hydrogel and its optimization by definitive screening design. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 125, 102-109	5.1	10
130	Polycaprolactone-based scaffold for oil-selective sorption and improvement of bacteria activity for bioremediation of polluted water. <i>European Polymer Journal</i> , 2017 , 91, 260-273	5.2	29
129	Polysaccharide nanocrystals as fillers for PLA based nanocomposites. <i>Cellulose</i> , 2017 , 24, 447-478	5.5	96
128	Plasma modified PLA electrospun membranes for actinorhodin production intensification in <i>Streptomyces coelicolor</i> immobilized-cell cultivations. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 157, 233-241	6	31
127	Experimental analysis and micromechanical models of high performance renewable agave reinforced biocomposites. <i>Composites Part B: Engineering</i> , 2017 , 119, 141-152	10	31
126	Nanocarbons in Electrospun Polymeric Nanomats for Tissue Engineering: A Review. <i>Polymers</i> , 2017 , 9,	4.5	63
125	Structure-properties relationships in melt reprocessed PLA/hydroxycitric acid nanocomposites. <i>EXPRESS Polymer Letters</i> , 2017 , 11, 555-564	3.4	21
124	Reprocessing of PLA/Graphene Nanoplatelets Nanocomposites. <i>Polymers</i> , 2017 , 10,	4.5	45
123	Preparation, characterization and hydrolytic degradation of PLA/PCL co-mingled nanofibrous mats prepared via dual-jet electrospinning. <i>European Polymer Journal</i> , 2017 , 96, 266-277	5.2	56

122	Green Nanocomposites-Based on PLA and Natural Organic Fillers 2017 , 637-669		1
121	Using Taguchi method for the optimization of processing variables to prepare porous scaffolds by combined melt mixing/particulate leaching. <i>Materials and Design</i> , 2017 , 131, 334-342	8.1	22
120	Degradation of polymer blends: A brief review. <i>Polymer Degradation and Stability</i> , 2017 , 145, 79-92	4.7	104
119	Electrospun PCL/GO-g-PEG structures: Processing-morphology-properties relationships. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 92, 97-107	8.4	88
118	PLA graphene nanoplatelets nanocomposites: Physical properties and release kinetics of an antimicrobial agent. <i>Composites Part B: Engineering</i> , 2017 , 109, 138-146	10	93
117	Structural and thermal stability of graphene oxide-silica nanoparticles nanocomposites. <i>Journal of Alloys and Compounds</i> , 2017 , 695, 2054-2064	5.7	25
116	A green method to prepare nanosilica modified graphene oxide to inhibit nanoparticles re-aggregation during melt processing. <i>Chemical Engineering Journal</i> , 2017 , 308, 1034-1047	14.7	78
115	Development of polymeric functionally graded scaffolds: a brief review. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2017 , 15, e107-e121	1.8	27
114	Preparation of three-layered porous PLA/PEG scaffold: relationship between morphology, mechanical behavior and cell permeability. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 54, 8-20	4.1	76
113	A Facile and Eco-friendly Route to Fabricate Poly(Lactic Acid) Scaffolds with Graded Pore Size. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	7
112	Biopolymer based nanocomposites reinforced with graphene nanoplatelets 2016 ,		4
111	Mechanical behavior of polylactic acid/polycaprolactone porous layered functional composites. <i>Composites Part B: Engineering</i> , 2016 , 98, 70-77	10	42
110	Melt Processed PCL/PEG Scaffold With Discrete Pore Size Gradient for Selective Cellular Infiltration. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 182-190	3.9	39
109	A rapid and eco-friendly route to synthesize graphene-doped silica nanohybrids. <i>Journal of Alloys and Compounds</i> , 2016 , 664, 428-438	5.7	31
108	Incorporation of an antibiotic in poly(lactic acid) and polypropylene by melt processing. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2016 , 14, e240-7	1.8	4
107	Effect of Graphene Nanoplatelets on the Physical and Antimicrobial Properties of Biopolymer-Based Nanocomposites. <i>Materials</i> , 2016 , 9,	3.5	41
106	Effect of PCL/PEG-Based Membranes on Actinorhodin Production in <i>Streptomyces coelicolor</i> Cultivations. <i>Macromolecular Bioscience</i> , 2016 , 16, 686-93	5.5	16
105	Preparation and mechanical characterization of polycaprolactone/graphene oxide biocomposite nanofibers 2016 ,		5

104	A simple method to interpret the rheological behaviour of intercalated polymer nanocomposites. <i>Composites Part B: Engineering</i> , 2016 , 98, 382-388	10	19
103	Synthesis and self-assembly of a PEGylated-graphene aerogel. <i>Composites Science and Technology</i> , 2016 , 128, 193-200	8.6	54
102	Synthesis of a fluorinated graphene oxide-silica nanohybrid: improving oxygen affinity. <i>RSC Advances</i> , 2016 , 6, 46037-46047	3.7	37
101	Integration of PCL and PLA in a monolithic porous scaffold for interface tissue engineering. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 63, 303-313	4.1	51
100	Bending test for capturing the vivid behavior of giant reeds, returned through a proper fractional visco-elastic model. <i>Mechanics of Materials</i> , 2015 , 89, 159-168	3.3	8
99	Processing and characterization of highly oriented fibres of biodegradable nanocomposites. <i>Composites Part B: Engineering</i> , 2015 , 78, 1-7	10	15
98	Effect of temperature on the release of carvacrol and cinnamaldehyde incorporated into polymeric systems to control growth and biofilms of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>Biofouling</i> , 2015 , 31, 639-49	3.3	22
97	A novel approach to prevent graphene oxide re-aggregation during the melt compounding with polymers. <i>Composites Science and Technology</i> , 2015 , 119, 131-137	8.6	68
96	Prediction of the morphology of polymer-clay nanocomposites. <i>Polymer Testing</i> , 2015 , 41, 149-156	4.5	8
95	Influence of Drawing on the Antimicrobial and Physical Properties of Chlorhexidine-Compounded Poly(caprolactone) Monofilaments. <i>Macromolecular Materials and Engineering</i> , 2015 , 300, 1268-1277	3.9	21
94	Processing-property relationships of polypropylene/ciprofloxacin fibers 2015 ,		1
93	New Polylactic Acid Composites Reinforced with Artichoke Fibers. <i>Materials</i> , 2015 , 8, 7770-7779	3.5	39
92	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
91	Statistical Study of the Influence of CNTs Purification and Plasma Functionalization on the Properties of Polycarbonate-CNTs Nanocomposites. <i>Plasma Processes and Polymers</i> , 2014 , 11, 664-677	3.4	39
90	Prediction of the flow curves of thermoplastic polymer/clay systems from torque data. <i>Polymer Testing</i> , 2014 , 37, 12-18	4.5	12
89	Degradation Behavior of Nanocomposite Polymer Blends 2014 , 423-447		1
88	PLA based biocomposites reinforced with <i>Arundo donax</i> fillers. <i>Composites Science and Technology</i> , 2014 , 105, 110-117	8.6	80
87	Nanofilled Thermoplastic Thermoplastic Polymer Blends 2014 , 133-160		8

86	Graphene oxide-silica nanohybrids as fillers for PA6 based nanocomposites 2014 ,		2
85	Recycling Polymer Blends 2014 , 1885-1913		1
84	Comparison of different processing methods to prepare poly(lactid acid)/Hydroxycalcite composites. <i>Polymer Engineering and Science</i> , 2014 , 54, 1804-1810	2.3	40
83	Rheological and mechanical behavior of LDPE/calcium carbonate nanocomposites and microcomposites. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 2544-2552	2.9	27
82	Combining in the melt physical and biological properties of poly(caprolactone) and chlorhexidine to obtain antimicrobial surgical monofilaments. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 99-109	5.7	56
81	Thermo-oxidative ageing of an organo-modified clay and effects on the properties of PA6 based nanocomposites. <i>Thermochimica Acta</i> , 2013 , 552, 37-45	2.9	18
80	Development and characterization of essential oil component-based polymer films: a potential approach to reduce bacterial biofilm. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 9515-23	5.7	44
79	Processing /morphology /property relationships of polyamide 6/polyethylene blend/clay nanocomposites. <i>EXPRESS Polymer Letters</i> , 2013 , 7, 873-884	3.4	36
78	Biodegradation paths of Mater-Bi /kenaf biodegradable composites. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 3198-3208	2.9	31
77	Physical properties of virgin-recycled ABS blends: Effect of post-consumer content and of reprocessing cycles. <i>European Polymer Journal</i> , 2012 , 48, 637-648	5.2	76
76	Photo-oxidative degradation of poly(ethylene-co-vinyl acetate)/nisin antimicrobial films. <i>Polymer Degradation and Stability</i> , 2012 , 97, 653-660	4.7	27
75	Study on carvacrol and cinnamaldehyde polymeric films: mechanical properties, release kinetics and antibacterial and antibiofilm activities. <i>Applied Microbiology and Biotechnology</i> , 2012 , 96, 1029-38	5.7	119
74	Enhancing the mechanical performance of polymer based nanocomposites by plasma-modification of nanoparticles. <i>Polymer Testing</i> , 2012 , 31, 889-894	4.5	36
73	High performance PA6/CNTs nanohybrid fibers prepared in the melt. <i>Composites Science and Technology</i> , 2012 , 72, 1918-1923	8.6	36
72	Plasma Functionalization of Multiwalled Carbon Nanotubes and Their Use in the Preparation of Nylon 6-Based Nanohybrids. <i>Plasma Processes and Polymers</i> , 2012 , 9, 503-512	3.4	47
71	Kenaf-filled biodegradable composites: rheological and mechanical behaviour. <i>Polymer International</i> , 2012 , 61, 1542-1548	3.3	18
70	Processing and Properties of Biopolymer/Polyhydroxyalkanoates Blends. <i>Journal of Polymers and the Environment</i> , 2012 , 20, 267-272	4.5	24
69	3D polylactide-based scaffolds for studying human hepatocarcinoma processes. <i>Science and Technology of Advanced Materials</i> , 2012 , 13, 045003	7.1	21

68	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
67	Effect of small amounts of poly(lactic acid) on the recycling of poly(ethylene terephthalate) bottles. <i>Polymer Degradation and Stability</i> , 2011 ,	4.7	15
66	PVC silver zeolite composites with antimicrobial properties. <i>Journal of Materials Science</i> , 2011 , 46, 6734-6743	4.5	31
65	Preparation and Recycling of Plasticized PLA. <i>Macromolecular Materials and Engineering</i> , 2011 , 296, 141-150	3.5	51
64	Effect of kind and content of organo-modified clay on properties of PET nanocomposites. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 384-392	2.9	43
63	Surface modification of poly(ethylene-co-acrylic acid) with amino-functionalized silica nanoparticles. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3849		27
62	Incorporation of nisin in poly (ethylene-co-vinyl acetate) films by melt processing: a study on the antimicrobial properties. <i>Journal of Food Protection</i> , 2011 , 74, 1137-43	2.5	25
61	Reliability and Fabrication of Molds for Nanoimprinting. <i>Current Nanoscience</i> , 2010 , 6, 1-11	1.4	15
60	Control of biofilm formation by poly-ethylene-co-vinyl acetate films incorporating nisin. <i>Applied Microbiology and Biotechnology</i> , 2010 , 87, 729-37	5.7	40
59	Modification of carboxyl groups of poly(ethylene-co-acrylic acid) via facile wet chemistry method: A kinetic study. <i>Reactive and Functional Polymers</i> , 2010 , 70, 189-200	4.6	7
58	Preparation and characterization of polyamide 6/polyethylene blend-clay nanocomposites in the presence of compatibilisers and stabilizing system. <i>Polymer Degradation and Stability</i> , 2010 , 95, 2547-2554	4.7	31
57	Effect of different matrices and nanofillers on the rheological behavior of polymer-clay nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010 , 48, 344-355	2.6	29
56	Preparation and Characterization of Polyolefin-Based Nanocomposite Blown Films for Agricultural Applications. <i>Macromolecular Materials and Engineering</i> , 2009 , 294, 445-454	3.9	26
55	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
54	Competition between chain scission and branching formation in the processing of high-density polyethylene: Effect of processing parameters and of stabilizers. <i>Polymer Engineering and Science</i> , 2009 , 49, 1316-1325	2.3	15
53	Effects of organoclay on morphology and properties of nanocomposites based on LDPE/PA-6 blends without and with SEBS-g-MA compatibilizer. <i>Polymer Engineering and Science</i> , 2009 , 49, 1187-1197	2.3	40
52	Degradation of Mater-Bi /wood flour biocomposites in active sewage sludge. <i>Polymer Degradation and Stability</i> , 2009 , 94, 1220-1229	4.7	29
51	Reactions Occurring during the Melt Mixing of Nylon 6 and Oxazoline-Cyclophosphazene Units. <i>Macromolecules</i> , 2009 , 42, 5579-5592	5.5	9

50	Effect of heating of organo-montmorillonites under different atmospheres. <i>Applied Clay Science</i> , 2009 , 45, 185-193	5.2	22
49	Effect of adding wood flour to the physical properties of a biodegradable polymer. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008 , 39, 503-513	8.4	84
48	Mechanical behaviour of Mater-Bi /wood flour composites: A statistical approach. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008 , 39, 1537-1546	8.4	33
47	Compatibilized polyamide 6/polyethylene blend/clay nanocomposites: Effect of the degradation and stabilization of the clay modifier. <i>Polymer Degradation and Stability</i> , 2008 , 93, 1267-1274	4.7	50
46	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
45	Morphology and Properties of Polyethylene/Clay Nanocomposite Drawn Fibers. <i>Macromolecular Materials and Engineering</i> , 2008 , 293, 83-91	3.9	46
44	Performance of Thin-Film Lithium Energy Cells under Uniaxial Pressure. <i>Advanced Engineering Materials</i> , 2008 , 10, 393-399	3.5	19
43	A new equipment to measure the combined effects of humidity, temperature, mechanical stress and UV exposure on the creep behaviour of polymers. <i>Polymer Testing</i> , 2008 , 27, 49-54	4.5	20
42	Rheological Response of Polyethylene/Clay Nanocomposites to Annealing Treatment. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 2533-2541	2.6	21
41	CuO nanoparticle filled vinyl-ester resin nanocomposites: Fabrication, characterization and property analysis. <i>Composites Science and Technology</i> , 2007 , 67, 2036-2044	8.6	115
40	Effect of the additive level and of the processing temperature on the re-building of post-consumer pipes from polyethylene blends. <i>European Polymer Journal</i> , 2007 , 43, 2947-2955	5.2	10
39	Particle surface engineering effect on the mechanical, optical and photoluminescent properties of ZnO/vinyl-ester resin nanocomposites. <i>Journal of Materials Chemistry</i> , 2007 , 17, 806-813		103
38	Evolution of the Morphology and Characterization of Compatibilized PBT/EVA Blends Prepared by Reactive Extrusion. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 265-272	2.6	8
37	On the Preparation and Characterization of Polyethylene/Polyamide Blends by Melt Processing in the Presence of an Ethylene/Acrylic Acid Copolymer and of New Phosphazene Compounds. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 1986-1997	2.6	23
36	The performance of thin-film Li-ion batteries under flexural deflection. <i>Journal of Micromechanics and Microengineering</i> , 2006 , 16, 2714-2721	2	27
35	Effect of adding new phosphazene compounds to poly(butylene terephthalate)/polyamide blends. II: Effect of different polyamides on the properties of extruded samples. <i>Polymer Degradation and Stability</i> , 2006 , 91, 2265-2274	4.7	14
34	On the effectiveness of different additives and concentrations on the re-building of the molecular structure of degraded polyethylene. <i>Polymer Degradation and Stability</i> , 2006 , 91, 3110-3116	4.7	7
33	Effect of adding new phosphazene compounds to poly(butylene terephthalate)/polyamide blends. I: Preliminary study in a batch mixer. <i>Polymer Degradation and Stability</i> , 2005 , 90, 234-243	4.7	18

32	Formulation, characterization and optimization of the processing condition of blends of recycled polyethylene and ground tyre rubber: Mechanical and rheological analysis. <i>Polymer Degradation and Stability</i> , 2005 , 90, 281-287	4.7	70
31	Rheological Properties of Different Film Blowing Polyethylene Samples Under Shear and Elongational Flow. <i>Macromolecular Materials and Engineering</i> , 2005 , 290, 159-164	3.9	9
30	Reactive Compatibilization of PBT/EVA Blends with an Ethylene-Acrylic Acid Copolymer and a Low Molar Mass Bis-Oxazoline. <i>Macromolecular Chemistry and Physics</i> , 2004 , 205, 1402-1409	2.6	14
29	CYCLOPHOSPHAZENES AS VERSATILE SUBSTRATES IN POLYMER CHEMISTRY. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2004 , 179, 827-830	1	4
28	Cyclophosphazenes as polymer modifiers. <i>Macromolecular Symposia</i> , 2003 , 196, 249-270	0.8	16
27	Morphology and mechanical properties of extruded ribbons of LDPE/PA6 blends compatibilized with an ethylene-acrylic acid copolymer. <i>Macromolecular Symposia</i> , 2003 , 198, 173-182	0.8	13
26	Reactive compatibilization of PA6/LDPE blends with an ethylene-acrylic acid copolymer and a low molar mass bis-oxazoline. <i>Polymer</i> , 2003 , 44, 6951-6957	3.9	65
25	New phosphazene-based chain extenders containing allyl and epoxide groups. <i>Designed Monomers and Polymers</i> , 2003 , 6, 245-266	3.1	21
24	Oxazoline-containing compatibilizers for polyamide/SAN and polyamide/ABS blends. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 449-455	2.9	22
23	Recycling of dry and wet polyamide 6. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 1899-1903	2.9	47
22	Characterization of monopolymer blend of virgin and recycled polyamide 6. <i>Polymer Engineering and Science</i> , 2002 , 42, 2412-2417	2.3	18
21	Reprocessing and restabilization of greenhouse films. <i>Polymer Degradation and Stability</i> , 2002 , 75, 459-464	4.4	26
20	Melt stabilization of wet polyamide 6. <i>Polymer Degradation and Stability</i> , 2002 , 75, 473-477	4.7	15
19	Recycling of a starch-based biodegradable polymer. <i>Macromolecular Symposia</i> , 2002 , 180, 133-140	0.8	14
18	Oxazoline functionalization of polyethylenes and their blends with polyamides and polyesters. <i>Macromolecular Symposia</i> , 2001 , 176, 265-278	0.8	15
17	Modification of EVOH copolymers with γ -caprolactone: synthesis and compatibilization effects in PE/PVC blends. <i>Macromolecular Symposia</i> , 2001 , 176, 233-244	0.8	8
16	On the modification of the nitrile groups of acrylonitrile/butadiene/styrene into oxazoline in the melt. <i>Journal of Polymer Science Part A</i> , 2000 , 38, 1795-1802	2.5	13
15	On the mechanism of compatibilization of polyolefin/liquid crystalline polymer blends with graft copolymers. <i>Journal of Applied Polymer Science</i> , 2000 , 77, 3027-3034	2.9	3

14	Use of PP-g-OXA in the Compatibilization of PP/LCP Blends. <i>Molecular Crystals and Liquid Crystals</i> , 1999 , 336, 169-181		12
13	Effect of the components' molar mass and of the mixing conditions on the compatibilization of PE/LCP blends by PE-g-LCP copolymers. <i>Journal of Applied Polymer Science</i> , 1999 , 71, 603-613	2.9	4
12	Effect of the Orientation on the Properties of Compatibilized Polypropylene/Liquid Crystal Polymer Blends. <i>Molecular Crystals and Liquid Crystals</i> , 1999 , 336, 145-158		
11	Synthesis of PP/LCP graft copolymers and their compatibilizing activity for PP/LCP blends. <i>Journal of Applied Polymer Science</i> , 1998 , 69, 391-403	2.9	14
10	Chemical Modification of Nitrile to Oxazoline Functionality on a Styrene-Acrylonitrile Copolymer in the Melt. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1998 , 35, 457-474	2.2	6
9	Characterization of a Fiber-Reinforced New Fully Aromatic Liquid Crystalline Polymer. <i>Journal of Thermoplastic Composite Materials</i> , 1998 , 11, 216-230	1.9	3
8	Compatibilization of blends of polyethylene with a semirigid liquid crystalline polymer by PE-g-LCP copolymers. <i>Polymer Engineering and Science</i> , 1997 , 37, 1164-1170	2.3	17
7	Characterization of a fiber reinforced semirigid liquid crystalline polymer. <i>Advances in Polymer Technology</i> , 1997 , 16, 227-236	1.9	5
6	Processing and characterization of blends of fluoroelastomers with semirigid liquid crystal polymers. <i>Journal of Applied Polymer Science</i> , 1996 , 62, 673-686	2.9	3
5	Reactive blending of a functionalized polyethylene with a semiflexible liquid crystalline copolyester. <i>Journal of Applied Polymer Science</i> , 1996 , 62, 1613-1625	2.9	9
4	Effects of filler type and mixing method on the physical properties of a reinforced semirigid liquid crystal polymer. <i>European Polymer Journal</i> , 1996 , 32, 869-875	5.2	17
3	On the use of PET-LCP copolymers as compatibilizers for PET/LCP blends. <i>Polymer Engineering and Science</i> , 1996 , 36, 1244-1255	2.3	21
2	Synthesis and Characterization of a New Fully Aromatic LCP. <i>Molecular Crystals and Liquid Crystals</i> , 1996 , 290, 77-85		3
1	Effect of alkyl derivatization of gellan gum during the fabrication of electrospun membranes. <i>Journal of Industrial Textiles</i> , 152808372110075	1.6	1