

Maria L Cerrada

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171
papers

3,145
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47
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177
ext. papers

3,492
ext. citations

4.1
avg, IF

4.94
L-index

#	Paper	IF	Citations
171	Surface silylation of cellulose microfibrils: preparation and rheological properties. <i>Polymer</i> , 2004 , 45, 1569-1575	3.9	231
170	Polypropylene/graphene nanosheet nanocomposites by in situ polymerization: Synthesis, characterization and fundamental properties. <i>Composites Science and Technology</i> , 2013 , 84, 1-7	8.6	163
169	Competition between β and γ Polymorphs in a β -Nucleated Metallocenic Isotactic Polypropylene. <i>Macromolecules</i> , 2007 , 40, 6871-6878	5.5	149
168	High-performance dual-action polymer-TiO ₂ nanocomposite films via melting processing. <i>Nano Letters</i> , 2007 , 7, 2529-34	11.5	114
167	Self-Sterilized EVOH-TiO ₂ Nanocomposites: Interface Effects on Biocidal Properties. <i>Advanced Functional Materials</i> , 2008 , 18, 1949-1960	15.6	98
166	Boosting TiO ₂ -anatase antimicrobial activity: Polymer-oxide thin films. <i>Applied Catalysis B: Environmental</i> , 2009 , 89, 441-447	21.8	72
165	Wide-Angle X-ray Diffraction Study of the Phase Behavior of Vinyl Alcohol/Ethylene Copolymers. <i>Macromolecules</i> , 1998 , 31, 2559-2564	5.5	71
164	Physical Aging of Amorphous PEN: Isothermal, Isochronal and Isostructural Results. <i>Macromolecules</i> , 2000 , 33, 3065-3076	5.5	57
163	Plasmonic Nanoparticle/Polymer Nanocomposites with Enhanced Photocatalytic Antimicrobial Properties. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9182-9190	3.8	56
162	Metallocenic Copolymers of Isotactic Propylene and 1-Octadecene: Crystalline Structure and Mechanical Behavior. <i>Macromolecular Chemistry and Physics</i> , 2005 , 206, 1221-1230	2.6	56
161	Biodegradable polycaprolactone-titania nanocomposites: preparation, characterization and antimicrobial properties. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 9249-66	6.3	55
160	Metallocene copolymers of propene and 1-hexene: The influence of the comonomer content and thermal history on the structure and mechanical properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 1253-1267	2.6	55
159	Influence of isotacticity and molecular weight on the properties of metallocenic isotactic polypropylene. <i>European Polymer Journal</i> , 2007 , 43, 2357-2370	5.2	53
158	Formation of the New Trigonal Polymorph in iPP/Hexene Copolymers. Competition with the Mesomorphic Phase. <i>Macromolecules</i> , 2009 , 42, 702-708	5.5	44
157	The effect of thermal treatment on the structure and relaxation processes of olefinic polymers synthesized with metallocene catalysts. <i>Polymer</i> , 2000 , 41, 5957-5965	3.9	43
156	Effect of composition and molecular weight on the crystallization behavior of blends of iPP and a metallocenic ethylene/1-octene copolymer. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 1844-1851	2.6	42
155	Structure and Mechanical Behavior of the Mesomorphic Form in a Propylene-b-Poly(ethylene-co-propylene) Copolymer and Its Comparison with Other Thermal Treatments. <i>Polymer Journal</i> , 2003 , 35, 766-777	2.7	40

154	Syndiotactic polypropylene and its copolymers with alpha-olefins. Effect of composition and length of comonomer. <i>Polymer</i> , 2005 , 46, 12287-12297	3.9	39
153	Tailoring polymer/TiO ₂ film properties by presence of metal (Ag, Cu, Zn) species: Optimization of antimicrobial properties. <i>Applied Catalysis B: Environmental</i> , 2011 , 104, 346-352	21.8	38
152	Comonomer Length Influence on the Structure and Mechanical Response of Metallocenic Polypropylenic Materials. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 2259-2267	2.6	38
151	Lightweight nanocomposites based on poly(vinylidene fluoride) and Al nanoparticles: Structural, thermal and mechanical characterization and EMI shielding capability. <i>Materials Chemistry and Physics</i> , 2013 , 142, 469-478	4.4	35
150	Tailoring the Formation Rate of the Mesophase in Random Propylene-co-1-pentene Copolymers. <i>Macromolecules</i> , 2012 , 45, 6481-6490	5.5	35
149	Enhancing the formation of the new trigonal polymorph in isotactic propene-1-pentene copolymers: Determination of the X-ray crystallinity. <i>Macromolecular Research</i> , 2011 , 19, 1179-1185	1.9	34
148	Crystalline Structure and Viscoelastic Behavior in Composites of a Metallocenic Ethylene-1-octene Copolymer and Glass Fiber. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 718-726	2.6	34
147	Effect of Short Glass Fiber on Structure and Mechanical Behavior of an Ethylene-Octene Copolymer. <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 2686-2695	2.6	34
146	Gas permeability properties of decorated MCM-41/polyethylene hybrids prepared by in-situ polymerization. <i>Journal of Membrane Science</i> , 2012 , 415-416, 702-711	9.6	33
145	Hybrid HDPE/MCM-41 nanocomposites: Crystalline structure and viscoelastic behaviour. <i>Microporous and Mesoporous Materials</i> , 2010 , 130, 215-223	5.3	33
144	Thermal, morphological and rheological characterization of poly(acrylic acid-g-styrene) amphiphilic graft copolymers. <i>Polymer</i> , 2005 , 46, 4544-4553	3.9	33
143	Viscoelastic and mechanical properties of poly(butyl acrylate-g-styrene) copolymers. <i>Polymer</i> , 2001 , 42, 4647-4655	3.9	33
142	Azoyl substituted Triethyls bases. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 1713-1714		33
141	Novel glycopolymers containing aminosaccharide pendant groups by chemical modification of ethylene-vinyl alcohol copolymers. <i>Polymer</i> , 2008 , 49, 2801-2807	3.9	30
140	Microhardness and thermal study of the annealing effects in vinyl alcohol-ethylene copolymers. <i>Polymer</i> , 1995 , 36, 1887-1892	3.9	30
139	Development of the mesomorphic phase in isotactic propene/higher olefin copolymers at intermediate comonomer content and its effect on properties. <i>European Polymer Journal</i> , 2010 , 46, 1345-1354 ²⁹	5.2	29
138	Hybrids based on poly(vinylidene fluoride) and Cu nanoparticles: Characterization and EMI shielding. <i>European Polymer Journal</i> , 2012 , 48, 1160-1168	5.2	28
137	Recognition abilities and development of heat-induced entangled networks in lactone-derived glycopolymers obtained from ethylene-vinyl alcohol copolymers. <i>Biomacromolecules</i> , 2009 , 10, 1828-37	6.9	28

136	Thermo and photo-oxidation of functionalized metallocene high density polyethylene: Effect of hydrophilic groups. <i>Polymer Degradation and Stability</i> , 2015 , 111, 78-88	4.7	26
135	Viscoelastic relaxation mechanisms of conventional polypropylene toughened by a plastomer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 1878-1888	2.6	25
134	Viscoelastic processes in vinyl alcohol-ethylene copolymers. Influence of composition and thermal treatment. <i>Polymer</i> , 2000 , 41, 6655-6661	3.9	25
133	Self-reinforced hybrid polyethylene/MCM-41 nanocomposites: in-situ polymerisation and effect of MCM-41 content on rigidity. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 3966-74	1.3	24
132	Glycopolymers resulting from ethylene-vinyl alcohol copolymers: Synthetic approach, characterization, and interactions with lectins. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 7238-7248	2.5	24
131	Preparation of poly(tert-butyl acrylate-g-styrene) as precursors of amphiphilic graft copolymers. 1. Kinetic study and thermal properties. <i>Polymer</i> , 2002 , 43, 3173-3179	3.9	24
130	Isotactic poly(propylene-co-1-pentene-co-1-hexene) terpolymers: Synthesis, molecular characterization, and evidence of the trigonal polymorph. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 3251-3259	2.5	23
129	Mesophase Formation in Random Propylene-co-1-octene Copolymers. <i>Macromolecules</i> , 2013 , 46, 8557-8568	5.5	22
128	Biocidal capability optimization in organic-inorganic nanocomposites based on titania. <i>Environmental Science & Technology</i> , 2009 , 43, 1630-4	10.3	21
127	Water-induced structural changes in poly(lactic acid) and PLLA-clay nanocomposites. <i>Polymer</i> , 2016 , 107, 211-222	3.9	20
126	Viscoelastic behavior in a hydroxyl-terminated polybutadiene gum and its highly filled composites: Effect of the type of filler on the relaxation processes. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 1705-1712	2.9	20
125	Toughening of a propylene-b-(ethylene-co-propylene) copolymer by a plastomer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002 , 40, 1869-1880	2.6	19
124	Mechanical Properties of Ultra High Molecular Weight Polyethylene Obtained with Different Cocatalyst Systems. <i>Polymer Journal</i> , 2002 , 34, 125-131	2.7	19
123	Rheological and structural details of biocidal iPP-TiO ₂ nanocomposites. <i>European Polymer Journal</i> , 2012 , 48, 586-596	5.2	18
122	Gamma polymorph and branching formation as inductors of resistance to electron beam irradiation in metallocene isotactic polypropylene. <i>Polymer Degradation and Stability</i> , 2010 , 95, 462-469	4.7	18
121	Study on UV Excitation Properties of Y ₂ O ₃ :Ln ³⁺ (Ln = Eu ³⁺ or Tb ³⁺) Luminescent Nanomaterials. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 1443-1448	1.3	18
120	Hybrid materials based on polyethylene and MCM-41 microparticles functionalized with silanes: Catalytic aspects of in situ polymerization, crystalline features and mechanical properties. <i>Microporous and Mesoporous Materials</i> , 2016 , 232, 86-96	5.3	17
119	Decorated MCM-41/polyethylene hybrids: Crystalline details and viscoelastic behavior. <i>Polymer</i> , 2013 , 54, 2611-2620	3.9	16

118	Metallocenic Isotactic Poly(propylene) and its Copolymers with 1-Hexene and Ethylene. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 1510-1521	2.6	16
117	Glycopolymers resultant from ethylene-vinyl alcohol copolymers: Degradation and rheological behavior in bulk. <i>European Polymer Journal</i> , 2008 , 44, 2194-2201	5.2	16
116	Small-angle X-ray scattering and linear melt rheology of poly(tert-butyl acrylate-g-styrene) graft copolymers. <i>Polymer</i> , 2006 , 47, 1487-1495	3.9	16
115	Synchrotron X-ray and DSC Studies of the Phase Behaviour of Poly(diethylene glycol p,p'-biphenylate). <i>Macromolecular Chemistry and Physics</i> , 2003 , 204, 2155-2162	2.6	16
114	Experimental evidence of the glass transition in a metallocene ethylene-1-octene copolymer and its composites with glass fibre. <i>Polymer</i> , 2001 , 42, 7197-7202	3.9	16
113	UHMWPE/SBA-15 nanocomposites synthesized by in situ polymerization. <i>Microporous and Mesoporous Materials</i> , 2016 , 232, 13-25	5.3	15
112	Glycopolymers obtained by chemical modification of well-defined block copolymers. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 2565-2577	2.5	15
111	Synthesis of triblock copolymers based on two isomer acrylate monomers by atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2005 , 43, 4828-4837	2.5	15
110	Characterization of Phase Structures of Novel Metallo-Polyurethanes. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 2048-2060	2.6	14
109	Permeation measurements in ethylene-1-hexene, ethylene-1-octene, and ethylene-1-dodecene copolymers synthesized with metallocene catalysts. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 2174-2184	2.6	14
108	Visible and ultraviolet antibacterial behavior in PVDF-TiO ₂ nanocomposite films. <i>European Polymer Journal</i> , 2015 , 71, 412-422	5.2	13
107	Synthesis, molecular characterization, evaluation of polymorphic behavior and indentation response in isotactic poly(propylene-co-1-heptene) copolymers. <i>European Polymer Journal</i> , 2015 , 64, 52-61	5.2	13
106	Preparation of poly(tert-butyl acrylate-g-styrene) as precursors of amphiphilic graft copolymers: 2. Relaxation processes and mechanical behavior. <i>Polymer</i> , 2002 , 43, 2803-2810	3.9	13
105	The effect of annealing on the structure and relaxation processes of vinyl alcohol-ethylene copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001 , 39, 1-12	2.6	13
104	Trigonal Form as a tool for tuning mechanical behavior in poly(propylene-co-1-pentene-co-1-heptene) terpolymers. <i>Polymer</i> , 2016 , 99, 112-121	3.9	13
103	ELECTROMAGNETIC SHIELDING FEATURES IN LIGHTWEIGHT PVDF-ALUMINUM BASED NANOCOMPOSITES. <i>Progress in Electromagnetics Research B</i> , 2013 , 48, 175-196	0.7	12
102	Crosslinking in metallocene ethylene-co-5,7-dimethylocta-1,6-diene copolymers initiated by electron-beam irradiation. <i>Polymer</i> , 2009 , 50, 1095-1102	3.9	12
101	Influence of the molecular weight on the thermal and mechanical properties of ethylene/norbornene copolymers. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 3358-3363	2.9	12

100	UHMWPE/HDPE in-reactor blends, prepared by in situ polymerization: Synthetic aspects and characterization. <i>EXPRESS Polymer Letters</i> , 2017 , 11, 344-361	3.4	12
99	Influence of nanoparticles on elastic and optical properties of a polymeric matrix: Hypersonic studies on ethylene/vinyl alcohol copolymer/titania nanocomposites. <i>European Polymer Journal</i> , 2010 , 46, 397-403	5.2	11
98	Ethylene/10-Undecenoic Acid Copolymers Prepared with Different Metallocene Catalysts. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 841-850	2.6	11
97	Effects of clay nanoparticles and electron irradiation in the crystallization rate of syndiotactic polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 1068-1076	2.6	11
96	Effect of compatibilizer and electron irradiation on free-volume and microhardness of syndiotactic polypropylene/clay nanocomposites. <i>Radiation Physics and Chemistry</i> , 2008 , 77, 138-145	2.5	11
95	Positron Annihilation in Metallocene Ethylene/1-Hexene Copolymers Related to Their Structure and Mechanical Properties. <i>Macromolecules</i> , 2005 , 38, 8430-8439	5.5	11
94	Blends of isotactic polypropylenes and a plastomer: crystallization and viscoelastic behavior. <i>Macromolecular Symposia</i> , 2003 , 198, 91-102	0.8	11
93	Effect of the comonomer content on the permeation behavior in polyolefin films synthesized with metallocene catalysts. <i>Journal of Membrane Science</i> , 2003 , 212, 167-176	9.6	11
92	The effect of orientation on the morphology and viscoelastic response of vinyl alcohol-ethylene copolymers. <i>Macromolecular Chemistry and Physics</i> , 2000 , 201, 1858-1868	2.6	11
91	Unprecedented dependence of stiffness parameters and crystallinity on comonomer content in rapidly cooled propylene-co-1-pentene copolymers. <i>Polymer</i> , 2017 , 130, 17-25	3.9	10
90	Hybrid materials obtained by in situ polymerization based on polypropylene and mesoporous SBA-15 silica particles: Catalytic aspects, crystalline details and mechanical behavior. <i>Polymer</i> , 2018 , 151, 218-230	3.9	10
89	Functionalization of Mesoporous MCM-41 (Nano)particles: Preparation Methodologies, Role on Catalytic Features, and Dispersion Within Polyethylene Nanocomposites. <i>ChemCatChem</i> , 2013 , 5, 966-975	5.2	10
88	Chemical modification of block copolymers based on 2-hydroxyethyl acrylate to obtain amphiphilic glycopolymers. <i>European Polymer Journal</i> , 2015 , 62, 167-178	5.2	9
87	Identification of Additives in Polypropylene and Their Degradation under Solar Exposure Studied by Gas Chromatography-Mass Spectrometry. <i>ACS Omega</i> , 2020 , 5, 9055-9063	3.9	9
86	Microstructure of metallocene isotactic propylene-co-1-pentene-co-1-hexene terpolymers. <i>Journal of Polymer Science Part A</i> , 2014 , 52, 2537-2547	2.5	9
85	Molecular recognition capability and rheological behavior in solution of novel lactone-based glycopolymers. <i>European Polymer Journal</i> , 2009 , 45, 3176-3186	5.2	9
84	Specific lectin interactions and temperature-induced reversible gels in novel water-soluble glycopolymers bearing maltotrionolactone pendant groups. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 719-729	2.5	9
83	Ethylene-vinyl alcohol copolymers partially modified with benzoate groups: Study of their polymorphic behavior. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 1026-1036	2.6	9

82	Synthesis of poly(di[methylamine]ethyl methacrylate)-b-poly(cyclohexyl methacrylate)-b-poly(di[methylamine]ethyl methacrylate) amphiphilic triblock copolymers by ATRP: Condensed-phase and solution properties. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 85-92	2.5	9
81	Physical Properties of PBMA-b-PBA-b-PBMA Triblock Copolymers Synthesized by Atom Transfer Radical Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2003 , 204, 2007-2016	2.6	9
80	Fast scanning calorimetry study of the structural relaxation in a random propylene-co-1-octene copolymer. <i>Thermochimica Acta</i> , 2015 , 603, 116-122	2.9	8
79	Role of TiO ₂ morphological characteristics in EVOH/TiO ₂ nanocomposite films: self-degradation and self-cleaning properties. <i>RSC Advances</i> , 2013 , 3, 8541	3.7	8
78	Amphiphilic polymers bearing gluconolactone moieties: synthesis and long side-chain crystalline behavior. <i>Carbohydrate Polymers</i> , 2013 , 94, 755-64	10.3	8
77	Glass-transition temperature determination by microhardness in norbornene-ethylene copolymers. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 3666-3671	2.9	8
76	Norbornene/Ethylene Copolymers Studied by Non-Destructive Methods. <i>Polymer Journal</i> , 2002 , 34, 779-786	2.8	8
75	Nanocomposites Based on Isotactic Polypropylene-Copper Nanoparticles as Electromagnetic Shields. <i>Science of Advanced Materials</i> , 2013 , 5, 1524-1532	2.3	8
74	Recycled Polyolefin Blends: Effect of Modified Natural Zeolite on their Properties and Morphology. <i>Polymer-Plastics Technology and Engineering</i> , 2016 , 55, 486-497		8
73	Confinement of iPP crystallites within mesoporous SBA-15 channels in extruded iPP-SBA-15 nanocomposites studied by Small Angle X-ray scattering. <i>Microporous and Mesoporous Materials</i> , 2018 , 272, 209-216	5.3	8
72	NMR study of the comonomer effect in metallocene poly(propylene-co-1-pentene) copolymers synthesized at low temperature. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 843-854	2.5	7
71	Fourier Transform Infrared Spectroscopy study of polymorphism in propylene-co-1-pentene copolymers: Trigonal form identification. <i>European Polymer Journal</i> , 2015 , 63, 227-236	5.2	7
70	Rapid determination of comonomer content, crystallinity, and long spacing by multiple-pulse proton NMR in ethylene/vinyl alcohol copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998 , 36, 2103-2109	2.6	7
69	Structural details, viscoelastic and mechanical response in blends of a vinyl alcohol-ethylene copolymer and a metallocenic ethylene-1-octene copolymer. <i>Polymer</i> , 2004 , 45, 171-179	3.9	7
68	Effect of short glass fiber on structure and viscoelastic behavior of olefinic polymers synthesized with metallocene catalyst. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 1244-1255	2.6	7
67	The effect of tensile drawing on the structure and relaxation processes in vinyl alcohol/ethylene copolymers. <i>Polymer</i> , 2001 , 42, 3127-3138	3.9	7
66	Confinement of iPP chains in the interior of SBA-15 mesostructure ascertained by gas transport properties in iPP-SBA-15 nanocomposites prepared by extrusion. <i>Journal of Membrane Science</i> , 2019 , 569, 137-148	9.6	7
65	Hafnocene catalyst for polyethylene and its nanocomposites with SBA-15 by in situ polymerization: Immobilization approaches, catalytic behavior and properties evaluation. <i>European Polymer Journal</i> , 2016 , 85, 298-312	5.2	6

64	Smectic polyester/layered silicate nanostructured hybrids: Effect of modified nanoclay in the phase transitions. <i>Polymer</i> , 2012 , 53, 386-394	3.9	6
63	Propylene/1-Hexene Copolymer as a Tailor-Made Poly(propylene) for Membrane Preparation via the Thermally Induced Phase Separation (TIPS) Process. <i>Macromolecular Materials and Engineering</i> , 2006 , 291, 155-161	3.9	6
62	Structural Characterization and Relaxation Processes of the Inner Crystalline Core in Foams Based on Polyethylene/Polypropylene Blends. <i>Polymer Journal</i> , 2003 , 35, 920-927	2.7	6
61	Metallocenic copolymers of ethylene and 5,7-dimethylocta-1,6-diene: Structural characterization and mechanical behavior. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 3797-3808	2.6	6
60	Influence of the Type of Fiber on the Structure and Viscoelastic Relaxations in Composites Based on a Metallocenic Ethylene-1-octene Copolymer. <i>Polymer Journal</i> , 2002 , 34, 175-183	2.7	6
59	Extraordinary mechanical performance in disentangled UHMWPE films processed by compression molding. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 90, 202-207	4.1	6
58	Prodegradant Additives Effect onto Comercial Polyolefins. <i>Journal of Polymers and the Environment</i> , 2019 , 27, 464-471	4.5	5
57	A New Insight into the Comonomer Effect through NMR Analysis in Metallocene Catalysed Propene-1-Nonene Copolymers. <i>Polymers</i> , 2019 , 11,	4.5	5
56	Microstructure and thermal stability in metallocene iPP-materials: 1-pentene and 1-hexene copolymers. <i>Polymer Degradation and Stability</i> , 2016 , 124, 77-86	4.7	5
55	Lightweight Nanocomposites Based on Polypropylene and Aluminum Nanoparticles and Their Shielding Capability to Ionizing Radiation. <i>IEEE Nanotechnology Magazine</i> , 2014 , 13, 502-509	2.6	5
54	Evaluation of orientation in vinyl alcohol-ethylene copolymer films by means of infrared dichroism and birefringence. <i>Journal of Applied Polymer Science</i> , 1997 , 64, 791-796	2.9	5
53	Self-Assembly of ATRP-Synthesized PCH-b-PtBA-b-PCH Triblock Copolymers Observed by Time-Resolved SAXS. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 2654-2664	2.6	5
52	Effect of Sample Configuration on the Morphology of Foamed LDPE/PP Blends Injection Molded by a Gas Counterpressure Process. <i>Macromolecular Materials and Engineering</i> , 2007 , 292, 769-779	3.9	5
51	Aggregation and solubilization of organic solvents and petrol/gasoline in water mediated by block copolymers. <i>European Polymer Journal</i> , 2007 , 43, 4583-4592	5.2	5
50	The effect of residual acetate groups on the structure and properties of vinyl alcohol-ethylene copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 573-583	2.6	5
49	Variation of Ultimate Properties in Extruded iPP-Mesoporous Silica Nanocomposites by Effect of iPP Confinement within the Mesostructures. <i>Polymers</i> , 2020 , 12,	4.5	5
48	Mesophase features in isotactic poly(propylene-co-1-heptene) copolymers. <i>Polymer International</i> , 2016 , 65, 596-604	3.3	5
47	Electromagnetic interference shielding response and rheological behavior of lightweight nanocomposites based on isotactic polypropylene and Al nanoparticles. <i>Polymer Testing</i> , 2018 , 72, 263-270	4.5	5

46	Effect of thermal treatment on the mechanical and viscoelastic response of polypropylenes incorporating a nucleating agent. <i>Journal of Elastomers and Plastics</i> , 2019 , 51, 562-579	1.6	4
45	Effect of copper nanoparticles incorporation on the polar beta-phase development in polyvinylidene fluoride. <i>Materials Chemistry and Physics</i> , 2015 , 162, 794-800	4.4	4
44	Effect of mesoporous SBA-15 silica on the thermal stability of isotactic polypropylene based nanocomposites prepared by melt extrusion. <i>Polymer Degradation and Stability</i> , 2018 , 154, 211-221	4.7	4
43	Rheological behavior of aminosaccharide-based glycopolymers obtained from ethylene-vinyl alcohol copolymers. <i>Polymer Journal</i> , 2011 , 43, 205-213	2.7	4
42	Molecular weight effect on the obtainment of parallel and perpendicular orientation in thermotropic poly(diethylene glycol p,p'-bibenzoate). <i>Polymer Bulletin</i> , 2008 , 60, 89-96	2.4	4
41	Acoustic and optical phonons in EVOH/TiO ₂ nanocomposite films: Effect of aggregation. <i>Journal of Luminescence</i> , 2008 , 128, 851-854	3.8	4
40	Creep Behavior in Amorphous and Semicrystalline PEN47-47-23		4
39	Characteristics of the Non-Isothermal and Isothermal Crystallization for the Polymorph in PVDF by Fast Scanning Calorimetry. <i>Polymers</i> , 2020 , 12,	4.5	4
38	The role of mesophases in the ordering of polymers. <i>European Polymer Journal</i> , 2016 , 81, 661-673	5.2	4
37	Rheological analysis of irradiated crosslinkable and scissionable polymers used for medical devices under different radiation conditions. <i>Radiation Physics and Chemistry</i> , 2018 , 144, 298-303	2.5	3
36	Dependence of phase transitions on composition in isotactic poly(propylene-co-1-pentene-co-1-hexene) terpolymers. <i>RSC Advances</i> , 2016 , 6, 82907-82915	3.7	3
35	Titanium Dioxide Polymer Nanocomposites with Advanced Properties 2012 , 119-149		3
34	Interfacial agent effect on rheological response and crystallite characteristics in germicidal polypropylene/titanium dioxide nanocomposites. <i>Polymer International</i> , 2012 , 61, 1655-1665	3.3	3
33	Tailoring transport properties in blends based on olefinic and liquid crystalline polymers. <i>Journal of Membrane Science</i> , 2011 , 377, 141-150	9.6	3
32	Simultaneous Synchrotron X-ray Diffraction and Stress/Strain or Stress/Relaxation Experiments for the Study of Parallel and Perpendicular Orientation in a Liquid Crystalline Polymer. <i>Macromolecules</i> , 2008 , 41, 421-428	5.5	3
31	Evolution of a Metallocenic sPP with Time: Changes in Crystalline Content and Enthalpic Relaxation. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 1564-1574	2.6	3
30	Oxygen permeability in blends of a vinyl alcohol/ethylene copolymer and a metallocenic ethylene/1-octene copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 3766-3774	2.6	3
29	A Significant Enhance of Impact Strength with Thermal Annealing in High Density Polyethylene. <i>Polymer Journal</i> , 2001 , 33, 270-276	2.7	3

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