

Maria L Cerrada

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.

171
papers

3,145
citations

30
h-index

47
g-index

177
ext. papers

3,492
ext. citations

4.1
avg, IF

4.94
L-index

#	Paper	IF	Citations
171	Unique stiffness-deformability features of dendrimeric silica reinforced HDPE nanocomposites obtained by an innovative route. <i>Microporous and Mesoporous Materials</i> , 2022 , 331, 111619	5.3	0
170	Composites of a PLA with SBA-15 mesoporous silica: Polymorphism and properties after isothermal cold crystallization. <i>Polymer</i> , 2022 , 241, 124515	3.9	3
169	Effect of Graphene Nanofibers on the Morphological, Structural, Thermal, Phase Transitions and Mechanical Characteristics in Metallocene iPP Based Nanocomposites. <i>Journal of Composites Science</i> , 2022 , 6, 161	3	
168	Confinement in Extruded Nanocomposites Based on PCL and Mesoporous Silicas: Effect of Pore Sizes and Their Influence in Ultimate Mechanical Response. <i>Journal of Composites Science</i> , 2021 , 5, 321	3	1
167	Synchrotron and Raman Study of the Rotator Phases and Polymorphism in Tricosane Paraffin. <i>Polymers</i> , 2020 , 12,	4.5	1
166	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
165	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
164	Effect of iPP molecular weight on its confinement within mesoporous SBA-15 silica in extruded iPP/SBA-15 nanocomposites. <i>Microporous and Mesoporous Materials</i> , 2020 , 294, 109945	5.3	2
163	Composites Based on Poly(Lactic Acid) (PLA) and SBA-15: Effect of Mesoporous Silica on Thermal Stability and on Isothermal Crystallization from Either Glass or Molten State. <i>Polymers</i> , 2020 , 12,	4.5	3
162	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
161	Prodegradant Additives Effect onto Commercial Polyolefins. <i>Journal of Polymers and the Environment</i> , 2019 , 27, 464-471	4.5	5
160	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
159	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
158	Chain Features and Their Influence on the Thermal Stability of Poly(propylene-co-1-nonene) Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1900175	2.6	
157	Effect of thermo-oxidation on loss of plasticizers, on crystalline features and on properties in a metallocene isotactic polypropylene. <i>Polymer</i> , 2019 , 181, 121749	3.9	1
156	Crystalline Characteristics and Their Influence in the Mechanical Performance in Poly(εCaprolactone) / High Density Polyethylene Blends. <i>Polymers</i> , 2019 , 11,	4.5	2
155	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

154	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
153	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
152	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
151	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
150	Poly(propylene-co-1-pentene-co-1-heptene) terpolymers: Mechanical and rheological behavior. <i>Polymer</i> , 2018 , 156, 44-53	3.9	1
149	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
148	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
147	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
146	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
145	Influence of polymorphism and the new trigonal modification on the mechanical response of isotactic poly(propylene-co-1-pentene-co-1-hexene) terpolymers. <i>European Polymer Journal</i> , 2017 , 97, 366-377	5.2	1
144	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
143	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
142	Water-induced structural changes in poly(lactic acid) and PLLA-clay nanocomposites. <i>Polymer</i> , 2016 , 107, 211-222	3.9	20
141	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
140	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
139	The exceptional magnetic inequivalence in helical form I of poly-1-pentene. <i>Polymer</i> , 2016 , 92, 164-169	3.9	
138	UHMWPE/SBA-15 nanocomposites synthesized by in situ polymerization. <i>Microporous and Mesoporous Materials</i> , 2016 , 232, 13-25	5.3	15
137	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

136	Mechanical and Transport Properties of Poly(propylene-co-1-heptene) Copolymers and Their Dependence on Monoclinic and/or Mesomorphic Polymorphs. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 1347-56	3.4	2
135	Mesophase Formation in Isotactic Polypropylene Copolymers 2016 , 537-559		
134	Mesophase features in isotactic poly(propylene-co-1-heptene) copolymers. <i>Polymer International</i> , 2016 , 65, 596-604	3.3	5
133	The role of mesophases in the ordering of polymers. <i>European Polymer Journal</i> , 2016 , 81, 661-673	5.2	4
132	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
131	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
130	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
129	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
128	Visible and ultraviolet antibacterial behavior in PVDF/TiO ₂ nanocomposite films. <i>European Polymer Journal</i> , 2015 , 71, 412-422	5.2	13
127	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
126	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
125	Characterization of Phase Structures of Novel Metallo-Polyurethanes. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 2048-2060	2.6	14
124	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
123	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
122	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
121	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
120	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
119	Decorated MCM-41/polyethylene hybrids: Crystalline details and viscoelastic behavior. <i>Polymer</i> , 2013 , 54, 2611-2620	3.9	16

118	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
117	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
116	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
115	Functionalization of Mesoporous MCM-41 (Nano)particles: Preparation Methodologies, Role on Catalytic Features, and Dispersion Within Polyethylene Nanocomposites. <i>ChemCatChem</i> , 2013 , 5, 966-976	5.2	10
114	Amphiphilic polymers bearing gluconolactone moieties: synthesis and long side-chain crystalline behavior. <i>Carbohydrate Polymers</i> , 2013 , 94, 755-64	10.3	8
113	Mesophase Formation in Random Propylene-co-1-octene Copolymers. <i>Macromolecules</i> , 2013 , 46, 8557-8568	5.6	22
112	Biodegradable polycaprolactone-titania nanocomposites: preparation, characterization and antimicrobial properties. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 9249-66	6.3	55
111	ELECTROMAGNETIC SHIELDING FEATURES IN LIGHTWEIGHT PVDF-ALUMINUM BASED NANOCOMPOSITES. <i>Progress in Electromagnetics Research B</i> , 2013 , 48, 175-196	0.7	12
110	Conductive Poly(vinylidene fluoride)/Copper Hybrids: Mechanical Response and Percolation Threshold. <i>Science of Advanced Materials</i> , 2013 , 5, 233-241	2.3	3
109	Nanocomposites Based on Isotactic Polypropylene-Copper Nanoparticles as Electromagnetic Shields. <i>Science of Advanced Materials</i> , 2013 , 5, 1524-1532	2.3	8
108	Rheological and structural details of biocidal iPP-TiO ₂ nanocomposites. <i>European Polymer Journal</i> , 2012 , 48, 586-596	5.2	18
107	Smectic polyester/layered silicate nanostructured hybrids: Effect of modified nanoclay in the phase transitions. <i>Polymer</i> , 2012 , 53, 386-394	3.9	6
106	Tailoring the Formation Rate of the Mesophase in Random Propylene-co-1-pentene Copolymers. <i>Macromolecules</i> , 2012 , 45, 6481-6490	5.5	35
105	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
104	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
103	Titanium Dioxide/Polymer Nanocomposites with Advanced Properties 2012 , 119-149		3
102	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
101	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

100	Rheological behavior of aminosaccharide-based glycopolymers obtained from ethylene-vinyl alcohol copolymers. <i>Polymer Journal</i> , 2011 , 43, 205-213	2.7	4
99	Titanium Dioxide-Based Plastic Technologies 2011 , 351-377		
98	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
97	Metallocene ethylene-co-(5,7-dimethylocta-1, 6-diene) copolymers crosslinked using electron beam irradiation: a tunable alternative. <i>Polymer International</i> , 2011 , 60, n/a-n/a	3.3	1
96	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
95	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
94	Branching and rheological behavior after electron irradiation in metallocene ethylene-co-norbornene copolymers. <i>Polymer Testing</i> , 2011 , 30, 35-42	4.5	2
93	Development of α and β isotactic polypropylene polymorphs in injection molded structural foams. <i>Chemical Papers</i> , 2010 , 64,	1.9	2
92	Hybrid HDPE/MCM-41 nanocomposites: Crystalline structure and viscoelastic behaviour. <i>Microporous and Mesoporous Materials</i> , 2010 , 130, 215-223	5.3	33
91	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
90	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
89	Development of the mesomorphic phase in isotactic propene/higher α -olefin copolymers at intermediate comonomer content and its effect on properties. <i>European Polymer Journal</i> , 2010 , 46, 1345-1354 ²⁹	5.2	29
88	Specific lectin interactions and temperature-induced reversible gels in novel water-soluble glycopolymers bearing maltotriolactone pendant groups. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 719-729	2.5	9
87	Positron spectroscopy analysis in metallocene propylene/1-octadecene copolymers: Parameters dependence on monoclinic and mesomorphic polymorphs. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010 , 48, 1994-2002	2.6	1
86	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
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	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
83	Boosting TiO ₂ -anatase antimicrobial activity: Polymer-oxide thin films. <i>Applied Catalysis B: Environmental</i> , 2009 , 89, 441-447	21.8	72

82	Formation of the New Trigonal Polymorph in iPP α -Hexene Copolymers. Competition with the Mesomorphic Phase. <i>Macromolecules</i> , 2009 , 42, 702-708	5.5	44
81	Biocidal capability optimization in organic-inorganic nanocomposites based on titania. <i>Environmental Science & Technology</i> , 2009 , 43, 1630-4	10.3	21
80	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
79	Plasmonic Nanoparticle/Polymer Nanocomposites with Enhanced Photocatalytic Antimicrobial Properties. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9182-9190	3.8	56
78	The Effect of PP-g-MA/Montmorillonite Ratio on the Rheological Behaviour of Polypropylene/Montmorillonite Nanocomposites. <i>Advanced Composites Letters</i> , 2009 , 18, 096369350901800	1.2	1
77	Applications of Synchrotron X-Ray Diffraction to the Study of the Phase Behavior in Liquid Crystalline Polymers. <i>Lecture Notes in Physics</i> , 2009 , 157-182	0.8	1
76	Simultaneous Synchrotron X-ray Diffraction and StressStrain or StressRelaxation Experiments for the Study of Parallel and Perpendicular Orientation in a Liquid Crystalline Polymer. <i>Macromolecules</i> , 2008 , 41, 421-428	5.5	3
75	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
74	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
73	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
72	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
71	Glycopolymers resulting from ethylenevinyl alcohol copolymers: Synthetic approach, characterization, and interactions with lectins. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 7238-7248	2.5	24
70	Thermal and Morphological Behaviour of Well-Defined Amphiphilic Triblock Copolymers Based on Cyclohexyl and Di(ethylene glycol) Methyl Ether Methacrylates. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 184-194	2.6	2
69	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
68	Self-Sterilized EVOH-TiO ₂ Nanocomposites: Interface Effects on Biocidal Properties. <i>Advanced Functional Materials</i> , 2008 , 18, 1949-1960	15.6	98
67	Novel glycopolymers containing aminosaccharide pendant groups by chemical modification of ethylenevinyl alcohol copolymers. <i>Polymer</i> , 2008 , 49, 2801-2807	3.9	30
66	Acoustic and optical phonons in EVOH α iO ₂ nanocomposite films: Effect of aggregation. <i>Journal of Luminescence</i> , 2008 , 128, 851-854	3.8	4
65	Glycopolymers resultant from ethylenevinyl alcohol copolymers: Degradation and rheological behavior in bulk. <i>European Polymer Journal</i> , 2008 , 44, 2194-2201	5.2	16

64	Competition between β and α Polymorphs in a β -Nucleated Metallocenic Isotactic Polypropylene. <i>Macromolecules</i> , 2007 , 40, 6871-6878	5.5	149
63	High-performance dual-action polymer-TiO ₂ nanocomposite films via melting processing. <i>Nano Letters</i> , 2007 , 7, 2529-34	11.5	114
62	Ethylene/10-Undecenoic Acid Copolymers Prepared with Different Metallocene Catalysts. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 841-850	2.6	11
61	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
60	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
59	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
58	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
57	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
56	Physical properties of poly(cyclohexyl methacrylate)-b-poly(iso-butyl acrylate)-b-poly(cyclohexyl methacrylate) triblock copolymers synthesized by controlled radical polymerization. <i>Polymer</i> , 2007 , 48, 5581-5589	3.9	2
55	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
54	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
53	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
52	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
51	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
50	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
49	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
48	Thermal, morphological and rheological characterization of poly(acrylic acid-g-styrene) amphiphilic graft copolymers. <i>Polymer</i> , 2005 , 46, 4544-4553	3.9	33
47	Non-isothermal crystallization of a vinyl alcohol-ethylene copolymer studied by DSC and real time WAXS/SAXS scattering. <i>Polymer</i> , 2005 , 46, 9831-9839	3.9	2

46	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
45	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
44	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
43	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
42	Surface silylation of cellulose microfibrils: preparation and rheological properties. <i>Polymer</i> , 2004 , 45, 1569-1575	3.9	23 ¹
41	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
40	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
39	Structural characterization and mechanical behavior of metallocenic copolymers of ethylene and 5,7-dimethylocta-1,6-diene. <i>Macromolecular Symposia</i> , 2004 , 213, 315-326	0.8	
38	Blends of isotactic polypropylenes and a plastomer: crystallization and viscoelastic behavior. <i>Macromolecular Symposia</i> , 2003 , 198, 91-102	0.8	11
37	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
36	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
35	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
34	Synchrotron X-ray and DSC Studies of the Phase Behaviour of Poly(diethylene glycol p,p'-bibenzoate). <i>Macromolecular Chemistry and Physics</i> , 2003 , 204, 2155-2162	2.6	16
33	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 ²⁰	2.9	
32	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
31	Glass-transition temperature determination by microhardness in norbornene-ethylene copolymers. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 3666-3671	2.9	8
30	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
29	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

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25	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
24	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
23	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
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13	Effect of Short Glass Fiber on Structure and Mechanical Behavior of an Ethylene-E-Octene Copolymer. <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 2686-2695	2.6	34
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11	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

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