

Maria L Cerrada

List of Publications by Year in descending order

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176
papers

3,786
citations

117625

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175258

52
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177
all docs

177
docs citations

177
times ranked

3112
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface silylation of cellulose microfibrils: preparation and rheological properties. <i>Polymer</i> , 2004, 45, 1569-1575.	3.8	266
2	Polypropylene/graphene nanosheet nanocomposites by in situ polymerization: Synthesis, characterization and fundamental properties. <i>Composites Science and Technology</i> , 2013, 84, 1-7.	7.8	193
3	Competition between $\hat{1}$, $\hat{2}$, and $\hat{3}$ Polymorphs in a $\hat{2}$ -Nucleated Metallocenic Isotactic Polypropylene. <i>Macromolecules</i> , 2007, 40, 6871-6878.	4.8	171
4	High-Performance Dual-Action Polymer $\hat{2}$ TiO ₂ Nanocomposite Films via Melting Processing. <i>Nano Letters</i> , 2007, 7, 2529-2534.	9.1	121
5	Self $\hat{2}$ Sterilized EVOH $\hat{2}$ TiO ₂ Nanocomposites: Interface Effects on Biocidal Properties. <i>Advanced Functional Materials</i> , 2008, 18, 1949-1960.	14.9	111
6	Wide-Angle X-ray Diffraction Study of the Phase Behavior of Vinyl Alcohol $\hat{2}$ Ethylene Copolymers. <i>Macromolecules</i> , 1998, 31, 2559-2564.	4.8	81
7	Boosting TiO ₂ -anatase antimicrobial activity: Polymer-oxide thin films. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 441-447.	20.2	81
8	Plasmonic Nanoparticle/Polymer Nanocomposites with Enhanced Photocatalytic Antimicrobial Properties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9182-9190.	3.1	66
9	Physical Aging of Amorphous PEN: $\hat{2}$ Isothermal, Isochronal and Isostructural Results. <i>Macromolecules</i> , 2000, 33, 3065-3076.	4.8	63
10	Metallocenic Copolymers of Isotactic Propylene and 1-Octadecene: Crystalline Structure and Mechanical Behavior. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 1221-1230.	2.2	63
11	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.	2.1	62
12	Influence of isotacticity and molecular weight on the properties of metallocenic isotactic polypropylene. <i>European Polymer Journal</i> , 2007, 43, 2357-2370.	5.4	60
13	Biodegradable Polycaprolactone-Titania Nanocomposites: Preparation, Characterization and Antimicrobial Properties. <i>International Journal of Molecular Sciences</i> , 2013, 14, 9249-9266.	4.1	60
14	Formation of the New Trigonal Polymorph in iPP $\hat{2}$ 1-Hexene Copolymers. Competition with the Mesomorphic Phase. <i>Macromolecules</i> , 2009, 42, 702-708.	4.8	47
15	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.	3.8	46
16	Tailoring the Formation Rate of the Mesophase in Random Propylene-co-1-pentene Copolymers. <i>Macromolecules</i> , 2012, 45, 6481-6490.	4.8	46
17	Comonomer Length Influence on the Structure and Mechanical Response of Metallocenic Polypropylenic Materials. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 2259-2267.	2.2	45
18	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.	4.0	44

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19	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.	2.2	43
20	Tailoring polymer's 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.	20.2	42
21	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.	8.2	42
22	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	41
23	Syndiotactic polypropylene and its copolymers with alpha-olefins. Effect of composition and length of comonomer. <i>Polymer</i> , 2005, 46, 12287-12297.	3.8	41
24	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.	2.4	41
25	Hybrid HDPE/MCM-41 nanocomposites: Crystalline structure and viscoelastic behaviour. <i>Microporous and Mesoporous Materials</i> , 2010, 130, 215-223.	4.4	40
26	Effect of Short Glass Fiber on Structure and Mechanical Behavior of an Ethylene-1-Octene Copolymer. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 2686-2695.	2.2	38
27	Thermal, morphological and rheological characterization of poly(acrylic acid-g-styrene) amphiphilic graft copolymers. <i>Polymer</i> , 2005, 46, 4544-4553.	3.8	38
28	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.	5.4	38
29	Hybrids based on poly(vinylidene fluoride) and Cu nanoparticles: Characterization and EMI shielding. <i>European Polymer Journal</i> , 2012, 48, 1160-1168.	5.4	38
30	Azoyl substituted Tröger's bases. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 1713-1714.	2.0	37
31	Viscoelastic and mechanical properties of poly(butyl acrylate-g-styrene) copolymers. <i>Polymer</i> , 2001, 42, 4647-4655.	3.8	37
32	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.	2.2	37
33	Water-induced structural changes in poly(lactic acid) and PLLA-clay nanocomposites. <i>Polymer</i> , 2016, 107, 211-222.	3.8	37
34	Microhardness and thermal study of the annealing effects in vinyl alcohol-ethylene copolymers. <i>Polymer</i> , 1995, 36, 1887-1892.	3.8	36
35	Thermo and photo-oxidation of functionalized metallocene high density polyethylene: Effect of hydrophilic groups. <i>Polymer Degradation and Stability</i> , 2015, 111, 78-88.	5.8	36
36	Novel glycopolymers containing aminosaccharide pendant groups by chemical modification of ethylene-vinyl alcohol copolymers. <i>Polymer</i> , 2008, 49, 2801-2807.	3.8	35

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37	Self-Reinforced Hybrid Polyethylene/MCM-41 Nanocomposites: <>In-Situ<> Polymerisation and Effect of MCM-41 Content on Rigidity. Journal of Nanoscience and Nanotechnology, 2009, 9, 3966-3974.	0.9	34
38	Isotactic poly(propylene- <i>co</i> /i>- <i>cl</i> - <i>co</i> /i>-1-hexene) terpolymers: Synthesis, molecular characterization, and evidence of the trigonal polymorph. Journal of Polymer Science Part A, 2013, 51, 3251-3259.	2.3	31
39	Viscoelastic behavior in a hydroxyl-terminated polybutadiene gum and its highly filled composites: Effect of the type of filler on the relaxation processes. Journal of Applied Polymer Science, 2003, 88, 1705-1712.	2.6	30
40	Recognition Abilities and Development of Heat-Induced Entangled Networks in Lactone-Derived Glycopolymers Obtained from Ethylene-vinyl Alcohol Copolymers. Biomacromolecules, 2009, 10, 1828-1837.	5.4	29
41	Mesophase Formation in Random Propylene- <i>co</i> /i>-1-octene Copolymers. Macromolecules, 2013, 46, 8557-8568.	4.8	29
42	Viscoelastic relaxation mechanisms of conventional polypropylene toughened by a plastomer. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 1878-1888.	2.1	28
43	Viscoelastic processes in vinyl alcohol-ethylene copolymers. Influence of composition and thermal treatment. Polymer, 2000, 41, 6655-6661.	3.8	27
44	Preparation of poly(tert-butyl acrylate-g-styrene) as precursors of amphiphilic graft copolymers. 1. Kinetic study and thermal properties. Polymer, 2002, 43, 3173-3179.	3.8	27
45	Glycopolymers resulting from ethylene-vinyl alcohol copolymers: Synthetic approach, characterization, and interactions with lectins. Journal of Polymer Science Part A, 2008, 46, 7238-7248.	2.3	26
46	Hybrid materials based on polyethylene and MCM-41 microparticles functionalized with silanes: Catalytic aspects of in situ polymerization, crystalline features and mechanical properties. Microporous and Mesoporous Materials, 2016, 232, 86-96.	4.4	26
47	Mechanical Properties of Ultra High Molecular Weight Polyethylene Obtained with Different Cocatalyst Systems. Polymer Journal, 2002, 34, 125-131.	2.7	25
48	Decorated MCM-41/polyethylene hybrids: Crystalline details and viscoelastic behavior. Polymer, 2013, 54, 2611-2620.	3.8	25
49	Biocidal Capability Optimization in Organic-Inorganic Nanocomposites Based on Titania. Environmental Science & Technology, 2009, 43, 1630-1634.	10.0	23
50	Gamma polymorph and branching formation as inductors of resistance to electron beam irradiation in metallocene isotactic polypropylene. Polymer Degradation and Stability, 2010, 95, 462-469.	5.8	23
51	UHMWPE/SBA-15 nanocomposites synthesized by in situ polymerization. Microporous and Mesoporous Materials, 2016, 232, 13-25.	4.4	21
52	Toughening of a propylene-b-(ethylene-co-propylene) copolymer by a plastomer. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 1869-1880.	2.1	20
53	Trigonal $\hat{\Gamma}$ form as a tool for tuning mechanical behavior in poly(propylene-co-1-pentene-co-1-heptene) terpolymers. Polymer, 2016, 99, 112-121.	3.8	20
54	Experimental evidence of the glass transition in a metallocene ethylene-1-octene copolymer and its composites with glass fibre. Polymer, 2001, 42, 7197-7202.	3.8	19

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55	Rheological and structural details of biocidal iPP-TiO ₂ nanocomposites. <i>European Polymer Journal</i> , 2012, 48, 586-596.	5.4	19
56	Visible and ultraviolet antibacterial behavior in PVDF-TiO ₂ nanocomposite films. <i>European Polymer Journal</i> , 2015, 71, 412-422.	5.4	19
57	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.	3.8	19
58	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.	3.5	19
59	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.	0.9	18
60	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.	4.4	18
61	Metallocenic Isotactic Poly(propylene) and its Copolymers with 1-Hexene and Ethylene. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1510-1521.	2.2	17
62	Synchrotron X-ray and DSC Studies of the Phase Behaviour of Poly(diethylene glycol- <i>p</i> -bibenzoate). <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 2155-2162.	2.2	16
63	Small-angle X-ray scattering and linear melt rheology of poly(tert-butyl acrylate- <i>g</i> -styrene) graft copolymers. <i>Polymer</i> , 2006, 47, 1487-1495.	3.8	16
64	Glycopolymers resultant from ethylene-vinyl alcohol copolymers: Degradation and rheological behavior in bulk. <i>European Polymer Journal</i> , 2008, 44, 2194-2201.	5.4	16
65	Characterization of Phase Structures of Novel Metallo-Polyurethanes. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 2048-2060.	2.2	16
66	Crystalline Characteristics and Their Influence in the Mechanical Performance in Poly(μ -Caprolactone) / High Density Polyethylene Blends. <i>Polymers</i> , 2019, 11, 1874.	4.5	16
67	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.	2.1	15
68	Preparation of poly(tert-butyl acrylate- <i>g</i> -styrene) as precursors of amphiphilic graft copolymers: 2. Relaxation processes and mechanical behavior. <i>Polymer</i> , 2002, 43, 2803-2810.	3.8	15
69	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.	2.1	15
70	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.	2.3	15
71	Glycopolymers obtained by chemical modification of well-defined block copolymers. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2565-2577.	2.3	15
72	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.	5.4	15

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73	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.	3.8	15
74	UHMWPE/HDPE in-reactor blends, prepared by in situ polymerization: Synthetic aspects and characterization. <i>EXPRESS Polymer Letters</i> , 2017, 11, 344-361.	2.1	15
75	Crosslinking in metallocene ethylene-co-5,7-dimethylocta-1,6-diene copolymers initiated by electron-beam irradiation. <i>Polymer</i> , 2009, 50, 1095-1102.	3.8	14
76	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.	3.7	14
77	Prodegradant Additives Effect onto Comercial Polyolefins. <i>Journal of Polymers and the Environment</i> , 2019, 27, 464-471.	5.0	14
78	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, 2743.	4.5	14
79	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.	2.8	13
80	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.	2.2	12
81	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.	2.6	12
82	Blends of isotactic polypropylenes and a plastomer: crystallization and viscoelastic behavior. <i>Macromolecular Symposia</i> , 2003, 198, 91-102.	0.7	12
83	Ethylene/10-Undecenoic Acid Copolymers Prepared with Different Metallocene Catalysts. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 841-850.	2.2	12
84	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.	2.1	12
85	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.	5.4	12
86	ELECTROMAGNETIC SHIELDING FEATURES IN LIGHTWEIGHT PVDF-ALUMINUM BASED NANOCOMPOSITES. <i>Progress in Electromagnetics Research B</i> , 2013, 48, 175-196.	1.0	12
87	Microstructure of metallocene isotactic propylene-1-pentene-1-hexene terpolymers. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2537-2547.	2.3	12
88	Variation of Ultimate Properties in Extruded iPP-Mesoporous Silica Nanocomposites by Effect of iPP Confinement within the Mesostructures. <i>Polymers</i> , 2020, 12, 70.	4.5	12
89	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.	8.2	11
90	Positron Annihilation in Metallocene Ethylene/1-Hexene Copolymers Related to Their Structure and Mechanical Properties. <i>Macromolecules</i> , 2005, 38, 8430-8439.	4.8	11

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91	Chemical modification of block copolymers based on 2-hydroxyethyl acrylate to obtain amphiphilic glycopolymers. <i>European Polymer Journal</i> , 2015, 62, 167-178.	5.4	11
92	Recycled Polyolefin Blends: Effect of Modified Natural Zeolite on their Properties and Morphology. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 486-497.	1.9	11
93	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.	3.1	11
94	Composites of a PLA with SBA-15 mesoporous silica: Polymorphism and properties after isothermal cold crystallization. <i>Polymer</i> , 2022, 241, 124515.	3.8	11
95	The effect of tensile drawing on the structure and relaxation processes in vinyl alcohol-ethylene copolymers. <i>Polymer</i> , 2001, 42, 3127-3138.	3.8	10
96	Specific lectin interactions and temperature-induced reversible gels in novel water-soluble glycopolymers bearing maltotriol lactone pendant groups. <i>Journal of Polymer Science Part A</i> , 2010, 48, 719-729.	2.3	10
97	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.	3.6	10
98	Amphiphilic polymers bearing gluconolactone moieties: Synthesis and long side-chain crystalline behavior. <i>Carbohydrate Polymers</i> , 2013, 94, 755-764.	10.2	10
99	A New Insight into the Comonomer Effect through NMR Analysis in Metallocene Catalysed Propene-1-Nonene Copolymers. <i>Polymers</i> , 2019, 11, 1266.	4.5	10
100	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.	8.2	10
101	Norbornene-Ethylene Copolymers Studied by Non-Destructive Methods. <i>Polymer Journal</i> , 2002, 34, 779-786.	2.7	9
102	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.	2.2	9
103	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.	2.1	9
104	Synthesis of poly(di[methylamine]ethyl methacrylate)-poly(cyclohexyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (methacrylate)-poly(cyclohexyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (methacrylate) ATRP: Condensed phase and solution properties. <i>Journal of Polymer Science Part A</i> , 2008, 46, 85-92.	2.3	9
105	Molecular recognition capability and rheological behavior in solution of novel lactone-based glycopolymers. <i>European Polymer Journal</i> , 2009, 45, 3176-3186.	5.4	9
106	Fast scanning calorimetry study of the structural relaxation in a random propylene-co-1-octene copolymer. <i>Thermochimica Acta</i> , 2015, 603, 116-122.	2.7	9
107	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.	2.3	9
108	Nanocomposites Based on Isotactic Polypropylene-Copper Nanoparticles as Electromagnetic Shields. <i>Science of Advanced Materials</i> , 2013, 5, 1524-1532.	0.7	9

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109	Influence of Content in D Isomer and Incorporation of SBA-15 Silica on the Crystallization Ability and Mechanical Properties in PLLA Based Materials. <i>Polymers</i> , 2022, 14, 1237.	4.5	9
110	Glass-transition temperature determination by microhardness in norbornene-ethylene copolymers. <i>Journal of Applied Polymer Science</i> , 2003, 89, 3666-3671.	2.6	8
111	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.	2.1	8
112	Self-Assembly of ATRP-Synthesized PCH ₂ BA ₂ PCH Triblock Copolymers Observed by Time-Resolved SAXS. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 2654-2664.	2.2	8
113	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.	5.8	8
114	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.	2.1	7
115	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.	3.8	7
116	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.	2.1	7
117	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.	3.6	7
118	Lightweight Nanocomposites Based on Polypropylene and Aluminum Nanoparticles and Their Shielding Capability to Ionizing Radiation. <i>IEEE Nanotechnology Magazine</i> , 2014, 13, 502-509.	2.0	7
119	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.	5.4	7
120	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.	5.4	7
121	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.	4.8	7
122	Characteristics of the Non-Isothermal and Isothermal Crystallization for the β Polymorph in PVDF by Fast Scanning Calorimetry. <i>Polymers</i> , 2020, 12, 2708.	4.5	7
123	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
124	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
125	Aggregation and solubilization of organic solvents and petrol/gasoline in water mediated by block copolymers. <i>European Polymer Journal</i> , 2007, 43, 4583-4592.	5.4	6
126	Branching and rheological behavior after electron irradiation in metallocene ethylene-co-norbornene copolymers. <i>Polymer Testing</i> , 2011, 30, 35-42.	4.8	6

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127	Smectic polyester/layered silicate nanostructured hybrids: Effect of modified nanoclay in the phase transitions. <i>Polymer</i> , 2012, 53, 386-394.	3.8	6
128	Mesophase features in isotactic poly(propylene- <i>co</i> -1-heptene) copolymers. <i>Polymer International</i> , 2016, 65, 596-604.	3.1	6
129	The role of mesophases in the ordering of polymers. <i>European Polymer Journal</i> , 2016, 81, 661-673.	5.4	6
130	Microstructure and thermal stability in metallocene iPP-materials: 1-pentene and 1-hexene copolymers. <i>Polymer Degradation and Stability</i> , 2016, 124, 77-86.	5.8	6
131	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.	2.8	6
132	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.	1.5	6
133	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.	4.4	6
134	Creep Behavior in Amorphous and Semicrystalline PEN. , 2000, , 47-69.		6
135	Nanocomposites of PCL and SBA-15 Particles Prepared by Extrusion: Structural Characteristics, Confinement of PCL Chains within SBA-15 Nanometric Channels and Mechanical Behavior. <i>Polymers</i> , 2022, 14, 129.	4.5	6
136	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.	2.6	5
137	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.	2.1	5
138	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.	3.8	5
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