Henri Cramail

List of Publications by Year
in descending order

199 papers	7,480 citations	46984 47 h-index	74108 75 g-index
200 all docs	200 docs citations	200 times ranked	6310 citing authors

#	Article	IF	Citations
1	Isocyanate-Free Routes to Polyurethanes and Poly(hydroxy Urethane)s. Chemical Reviews, 2015, 115, 12407-12439.	23.0	504
2	From Ligninâ€derived Aromatic Compounds to Novel Biobased Polymers. Macromolecular Rapid Communications, 2016, 37, 9-28.	2.0	296
3	Synthesis of Polyurethanes Using Organocatalysis: A Perspective. Macromolecules, 2015, 48, 3153-3165.	2.2	237
4	Structureâ€"properties relationship of fatty acid-based thermoplastics as synthetic polymer mimics. Polymer Chemistry, 2013, 4, 5472.	1.9	183
5	Reactivity of Metallocene Catalysts for Olefin Polymerization: Influence of Activator Nature and Structure. Macromolecular Rapid Communications, 2001, 22, 1095.	2.0	150
6	Solubility in CO2 and carbonation studies of epoxidized fatty acid diesters: towards novel precursors for polyurethane synthesis. Green Chemistry, 2010, 12, 2205.	4.6	143
7	Novel fatty acid based di-isocyanates towards the synthesis of thermoplastic polyurethanes. European Polymer Journal, 2013, 49, 823-833.	2.6	142
8	Poly(3-hexylthiophene) Based Block Copolymers Prepared by â€œClickâ€•Chemistry. Macromolecules, 2008, 41, 7033-7040.	2.2	134
9	Synthesis of Biobased Polyurethane from Oleic and Ricinoleic Acids as the Renewable Resources via the AB-Type Self-Condensation Approach. Biomacromolecules, 2010, 11, 1202-1211.	2.6	133
10	Renewable (semi)aromatic polyesters from symmetrical vanillin-based dimers. Polymer Chemistry, 2015, 6, 6058-6066.	1.9	129
11	Critical Review on Sustainable Homogeneous Cellulose Modification: Why Renewability Is Not Enough. ACS Sustainable Chemistry and Engineering, 2019, 7, 1826-1840.	3.2	121
12	Divanillin-Based Epoxy Precursors as DGEBA Substitutes for Biobased Epoxy Thermosets. ACS Sustainable Chemistry and Engineering, 2018, 6, 11008-11017.	3.2	110
13	Activated lipidic cyclic carbonates for non-isocyanate polyurethane synthesis. Polymer Chemistry, 2016, 7, 1439-1451.	1.9	96
14	Novel green fatty acid-based bis-cyclic carbonates for the synthesis of isocyanate-free poly(hydroxyurethane amide)s. RSC Advances, 2014, 4, 25795-25803.	1.7	94
15	Homopolymerization and copolymerization of styrene and norbornene with Ni-based/MAO catalysts. Macromolecular Chemistry and Physics, 1998, 199, 2221-2227.	1.1	92
16	Conjugated rodâ€"coil block copolymers and optoelectronic applications. Polymer International, 2010, 59, 1452-1476.	1.6	89
17	Polymer support of â€œsingle-siteâ€•catalysts for heterogeneous olefin polymerization. Progress in Polymer Science, 2011, 36, 89-126.	11.8	87
18	Synthesis and Characterization of Ring-Shaped Polystyrenes. Macromolecules, 2000, 33, 8218-8224.	2.2	84

#	ARTICLE	IF	CITATIONS
19	Fatty acid-based (bis) 6-membered cyclic carbonates as efficient isocyanate free poly(hydroxyurethane) precursors. Polymer Chemistry, 2014, 5, 6142-6147.	1.9	84
20	U.V./visible spectroscopic study of the rac-Et(Ind)2ZrCl2/MAO olefin polymerization catalytic system, 1. Investigation in toluene. Macromolecular Chemistry and Physics, 1998, 199, 1451-1457.	1.1	80
21	Rosin acid oligomers as precursors of DGEBA-free epoxy resins. Green Chemistry, 2013, 15, 3091.	4.6	78
22	Original diols from sunflower and ricin oils: Synthesis, characterization, and use as polyurethane building blocks. Journal of Polymer Science Part A, 2012, 50, 1766-1782.	2.5	77
23	Polyurethane nanoparticles from a natural polyol via miniemulsion technique. Polymer, 2006, 47, 8080-8087.	1.8	74
24	Unexpected Synthesis of Segmented Poly(hydroxyureaâ€“urethane)s from Dicyclic Carbonates and Diamines by Organocatalysis. Macromolecules, 2018, 51, 5556-5566.	2.2	69
25	Kinetic and UVâˆ'Visible Spectroscopic Studies of Hex-1-ene Polymerization Initiated by an Î±-Diimine-[N,N] Nickel Dibromide/MAO Catalytic System. Macromolecules, 1999, 32, 7977-7983.	2.2	67
26	Field-effect transistors based on poly(3-hexylthiophene): Effect of impurities. Organic Electronics, 2007, 8, 727-734.	1.4	66
27	AB type polyaddition route to thermoplastic polyurethanes from fatty acid derivatives. Polymer Chemistry, 2012, 3, 1594.	1.9	66
28	Cyclic Guanidines as Efficient Organocatalysts for the Synthesis of Polyurethanes. Macromolecules, 2012, 45, 2249-2256.	2.2	66
29	Selective laccase-catalyzed dimerization of phenolic compounds derived from lignin: Towards original symmetrical bio-based (bis) aromatic monomers. Journal of Molecular Catalysis B: Enzymatic, 2016, 125, 34-41.	1.8	64
30	On the chemical fixation of supercritical carbon dioxide with epoxides catalyzed by ionic salts: an in situ FTIR and Raman study. Catalysis Science and Technology, 2013, 3, 1046.	2.1	62
31	Sustainable succinylation of cellulose in a CO₂-based switchable solvent and subsequent Passerini 3-CR and Ugi 4-CR modification. Green Chemistry, 2018, 20, 214-224.	4.6	62
32	Alternating copolymerization of epoxides with anhydrides initiated by organic bases. European Polymer Journal, 2017, 88, 433-447.	2.6	61
33	Nanostructured silica materials in olefin polymerisation: From catalytic behaviour to polymer characteristics. Progress in Polymer Science, 2012, 37, 1764-1804.	11.8	59
34	Sustainable Transesterification of Cellulose with High Oleic Sunflower Oil in a DBU-CO₂ Switchable Solvent. ACS Sustainable Chemistry and Engineering, 2018, 6, 8826-8835.	3.2	59
35	Methyl 10-undecenoate as a raw material for the synthesis of renewable semi-crystalline polyesters and poly(ester-amide)s. Polymer Chemistry, 2012, 3, 2842.	1.9	58
36	Synthesis of Fatty Acid-Based Polyesters and Their Blends with Poly(<scp>l</scp>-lactide) as a Way To Tailor PLLA Toughness. ACS Sustainable Chemistry and Engineering, 2015, 3, 283-292.	3.2	58

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37	Synthesis of fatty acid-based non-isocyanate polyurethanes, NIPUs, in bulk and mini-emulsion. European Polymer Journal, 2016, 84, 863-872.	2.6	56
38	Ï‰-Chloro-Î±-olefins as co- and termonomers for the synthesis of functional polyolefins. Macromolecular Chemistry and Physics, 1997, 198, 291-303.	1.1	55
39	Optimization of the Bulk Heterojunction Composition for Enhanced Photovoltaic Properties: Correlation between the Molecular Weight of the Semiconducting Polymer and Device Performance. Journal of Physical Chemistry B, 2011, 115, 12717-12727.	1.2	55
40	Detailed Understanding of the DBU/CO₂ Switchable Solvent System for Cellulose Solubilization and Derivatization. ACS Sustainable Chemistry and Engineering, 2018, 6, 1496-1503.	3.2	54
41	Activation of iPr(CpFluo)ZrCl2 by methylaluminoxane, 4. UV/visible spectroscopic study in hydrocarbon and chlorinated media. Macromolecular Chemistry and Physics, 1999, 200, 1215-1221.	1.1	53
42	Bioâ€Based Aliphatic Polyurethanes Through ADMET Polymerization in Bulk and Green Solvent. Macromolecular Rapid Communications, 2014, 35, 479-483.	2.0	52
43	Use of â€œTMA-depletedâ€• MAO for the activation of zirconocenes in olefin polymerization. Journal of Molecular Catalysis A, 2002, 185, 119-125.	4.8	51
44	Synthesis of Donorâ^'Acceptor Multiblock Copolymers Incorporating Fullerene Backbone Repeat Units. Macromolecules, 2010, 43, 6033-6044.	2.2	51
45	ADMET polymerization of bio-based biphenyl compounds. Polymer Chemistry, 2015, 6, 7693-7700.	1.9	51
46	Synthesis and self-assembly of polythiophene-based rodâ€“coil and coilâ€“rodâ€“coil block copolymers. Journal of Materials Chemistry, 2005, 15, 3264.	6.7	50
47	Polymerization of hex-1-ene initiated by diimine complexes of nickel and palladium. European Polymer Journal, 2005, 41, 303-312.	2.6	47
48	Fully bio-based poly(l-lactide)-b-poly(ricinoleic acid)-b-poly(l-lactide) triblock copolyesters: investigation of solid-state morphology and thermo-mechanical properties. Polymer Chemistry, 2013, 4, 3357.	1.9	47
49	Synthesis of PEDOT Nanoparticles and Vesicles by Dispersion Polymerization in Alcoholic Media. Macromolecular Rapid Communications, 2006, 27, 1446-1453.	2.0	46
50	Effect of the regioregularity of poly(3â€hexylthiophene) on the performances of organic photovoltaic devices. Polymer International, 2008, 57, 764-769.	1.6	45
51	Main-Chain Fullerene Polymers for Photovoltaic Devices. Macromolecules, 2009, 42, 3549-3558.	2.2	44
52	Activation of rac-ethylenebis(indenyl)zirconium dichloride with a low amount of methylaluminoxane (MAO) for olefin polymerizations. Macromolecular Chemistry and Physics, 1996, 197, 855-867.	1.1	42
53	Influence of Alkylaluminium Activators and Mixtures thereof on Ethylene Polymerization with a Tridentate Bis(imino)pyridinyliron Complex. Macromolecular Rapid Communications, 2003, 24, 251-254.	2.0	42
54	Self-foaming polymers: Opportunities for the next generation of personal protective equipment. Materials Science and Engineering Reports, 2021, 145, 100628.	14.8	42

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55	Solubility in CO2and swelling studies by in situIR spectroscopy of vegetable-based epoxidized oils as polyurethane precursors. Polymer Chemistry, 2012, 3, 525-532.	1.9	41
56	Vegetableâ€based buildingâ€blocks for the synthesis of thermoplastic renewable polyurethanes and polyesters. European Journal of Lipid Science and Technology, 2013, 115, 61-75.	1.0	41
57	Benefit of the Reactive Extrusion in the Course of Polyhydroxyurethanes Synthesis by Aminolysis of Cyclic Carbonates. ACS Sustainable Chemistry and Engineering, 2019, 7, 17282-17292.	3.2	41
58	Visible-light photocatalyzed oxidative decarboxylation of oxamic acids: a green route to urethanes and ureas. Chemical Communications, 2018, 54, 9337-9340.	2.2	39
59	U.V./visible spectroscopic study of the rac-Et(Ind)2ZrCl2/MAO olefin polymerization catalytic system, 2. Investigation in CH2Cl2. Macromolecular Chemistry and Physics, 1998, 199, 1459-1464.	1.1	39
60	Branched polyethylene mimicry by metathesis copolymerization of fatty acid-based Î±,Ï‰-dienes. Green Chemistry, 2014, 16, 1755-1758.	4.6	38
61	Hyperbranched polyesters by polycondensation of fatty acid-based AB_n-type monomers. Green Chemistry, 2017, 19, 259-269.	4.6	38
62	Sustainable Approach for Cellulose Aerogel Preparation from the DBUâ€"CO₂ Switchable Solvent. ACS Sustainable Chemistry and Engineering, 2019, 7, 3329-3338.	3.2	38
63	Activation of iPr(CpFluo)ZrCl2 by methylaluminoxane, 3. Kinetic investigation of the syndiospecific hex-1-ene polymerization in hydrocarbon and chlorinated media. Macromolecular Chemistry and Physics, 1999, 200, 1208-1214.	1.1	37
64	Synthesis and Characterization of Epoxy Thermosetting Polymers from Glycidylated Organosolv Lignin and Bisphenol A. Macromolecular Chemistry and Physics, 2017, 218, 1600411.	1.1	37
65	Amphiphilic block copolymers of controlled dimensions with hydrophilic glycosidic vinyl ether moieties. Macromolecular Chemistry and Physics, 1998, 199, 335-342.	1.1	36
66	The negative role of chloride counter-anion in the activation process of zirconocene dichloride by methylaluminoxane. Journal of Molecular Catalysis A, 2001, 174, 81-87.	4.8	36
67	Synthesis of core-shell polyurethaneâ€"polydimethylsiloxane particles in cyclohexane and in supercritical carbon dioxide used as dispersant media: a comparative investigation. Polymer, 2005, 46, 1057-1066.	1.8	36
68	Upgrading the chemistry of Ï€-conjugated polymers toward more sustainable materials. Journal of Materials Chemistry C, 2020, 8, 9792-9810.	2.7	36
69	Synthesis and selfâ€assembly in water of coilâ€rodâ€coil amphiphilic block copolymers with central Ï€â€conjugated sequence. Journal of Polymer Science Part A, 2008, 46, 4602-4616.	2.5	35
70	Kinetic Study of the â€œLivingâ€• Cationic Polymerization of a Galactose Carrying Vinyl Ether. MALDI-TOF MS Analysis of the Resulting Glycopolymers. Macromolecules, 2002, 35, 7911-7918.	2.2	34
71	Effects of the Position of a Chemically or Size-Induced Planar Defect on the Optical Properties of Colloidal Crystals. Journal of Physical Chemistry C, 2009, 113, 14487-14492.	1.5	34
72	Fine tuning of emission through the engineering of colloidal crystals. Physical Chemistry Chemical Physics, 2010, 12, 11993.	1.3	34

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73	In situ FTIR investigation of the solubility and swelling of model epoxides in supercritical CO2. Journal of Supercritical Fluids, 2012, 63, 52-58.	1.6	34
74	One-Pot Synthesis and PEGylation of Hyperbranched Polyacetals with a Degree of Branching of 100%. Macromolecules, 2014, 47, 1532-1542.	2.2	34
75	Well-defined oligosaccharides by mild acidic hydrolysis of hemicelluloses. European Polymer Journal, 2015, 66, 190-197.	2.6	34
76	Epoxidized rosin acids as co-precursors for epoxy resins. Designed Monomers and Polymers, 2014, 17, 301-310.	0.7	32
77	Hydroxyl telechelic building blocks from fatty acid methyl esters for the synthesis of poly(ester/amide urethane)s with versatile properties. Polymer Chemistry, 2012, 3, 2583.	1.9	31
78	Fatty acid-based thermoplastic poly(ester-amide) as toughening and crystallization improver of poly(l-lactide). European Polymer Journal, 2015, 65, 276-285.	2.6	31
79	Kinetic Study of the "Living" Cationic Polymerization of Cyclohexyl Vinyl Ether Initiated by Hydrogen Iodide in the Presence of Ammonium Salts. Macromolecules, 1994, 27, 1401-1406.	2.2	30
80	Influence of X ligand nature in the activation process of rac Et(Ind) 2 ZrX 2 by methylaluminoxane. Journal of Molecular Catalysis A, 2001, 176, 87-94.	4.8	30
81	Synthesis of Coreâ^'Shell Polyurethaneâ^'Poly(dimethylsiloxane) Particles in Supercritical Carbon Dioxide. Macromolecules, 2004, 37, 5856-5859.	2.2	30
82	On the Perturbation of the Intramolecular H-Bond in Diols by Supercritical CO2:â€‰ A Theoretical and Spectroscopic Study. Journal of Physical Chemistry A, 2007, 111, 4181-4187.	1.1	30
83	Block copolymer micelles as nanoreactors for singleâ€site polymerization catalysts. Journal of Polymer Science Part A, 2009, 47, 197-209.	2.5	30
84	Water-based non-isocyanate polyurethane-ureas (NIPUUs). Polymer Chemistry, 2020, 11, 3786-3799.	1.9	30
85	Functional oligomers of norbornene. Journal of Molecular Catalysis, 1991, 65, 193-203.	1.2	29
86	Functionalized Star-Like Polystyrenes as Organic Supports of a Tridentate Bis(imino)pyridinyliron/Aluminic Derivative Catalytic System for Ethylene Polymerization. Macromolecular Rapid Communications, 2005, 26, 1619-1625.	2.0	29
87	The role of surfactant in the miniemulsion polymerization of biodegradable polyurethane nanoparticles. Materials Science and Engineering C, 2008, 28, 526-531.	3.8	29
88	Bio-inspired films based on chitosan, nanoclays and cellulose nanocrystals: structuring and properties improvement by using water-evaporation-induced self-assembly. Cellulose, 2019, 26, 2389-2401.	2.4	29
89	Divanillin-Based Aromatic Amines: Synthesis and Use as Curing Agents for Fully Vanillin-Based Epoxy Thermosets. Frontiers in Chemistry, 2019, 7, 606.	1.8	28
90	Dimerization of abietic acid for the design of renewable polymers by ADMET. European Polymer Journal, 2015, 67, 409-417.	2.6	27

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91	Hydrolyzable Biobased Polyhydroxyurethane Networks with Shape Memory Behavior at Body Temperature. ACS Sustainable Chemistry and Engineering, 2020, 8, 9125-9135.	3.2	27
92	Living cationic polymerization of cyclohexyl vinyl ether. Macromolecular Chemistry and Physics, 1994, 195, 217-227.	1.1	26
93	New catalysts for olefin polymerization: from elementary processes to the synthesis of polyolefins. Polymer International, 1999, 48, 257-263.	1.6	26
94	Non-Hydrolytic Route to Aluminoxane-Type Derivative for Metallocene Activation towards Olefin Polymerisation. Macromolecular Chemistry and Physics, 2004, 205, 1394-1401.	1.1	26
95	Aliphatic polycarbonates and poly(ester carbonate)s from fatty acid derived monomers. Polymer Chemistry, 2011, 2, 2796.	1.9	26
96	Fullerene-capped copolymers for bulk heterojunctions: device stability and efficiency improvements. Journal of Materials Chemistry A, 2015, 3, 18207-18221.	5.2	26
97	Simple and Efficient Approach toward Photosensitive Biobased Aliphatic Polycarbonate Materials. ACS Macro Letters, 2018, 7, 250-254.	2.3	26
98	Synthesis of PEDOT Nano-objects Using Poly(vinyl alcohol)-Based Reactive Stabilizers in Aqueous Dispersion. Macromolecules, 2008, 41, 8964-8970.	2.2	24
99	Transition Metal Complexes as Catalysts for the Homo- and Copolymerisation of Olefins and Non-Conjugated Dienes. Macromolecular Chemistry and Physics, 2001, 202, 3043-3048.	1.1	23
100	Synthesis of hydroxy- and dihydroxy-end-capped poly(n-butyl acrylate)s and their use as reactive stabilizers for the preparation of polyurethane latexes. Colloid and Polymer Science, 2003, 281, 516-530.	1.0	23
101	Glycolipids as a source of polyols for the design of original linear and cross-linked polyurethanes. Polymer Chemistry, 2013, 4, 296-306.	1.9	23
102	Salphen-Co(III) complexes catalyzed copolymerization of epoxides with CO2. Polymer, 2015, 63, 52-61.	1.8	23
103	A thioglycerol route to bio-based bis-cyclic carbonates: poly(hydroxyurethane) preparation and post-functionalization. Polymer Chemistry, 2017, 8, 3438-3447.	1.9	23
104	6-O-glucose palmitate synthesis with lipase: Investigation of some key parameters. Molecular Catalysis, 2018, 460, 63-68.	1.0	23
105	Synthesis of Calibrated Poly(3,4-ethylenedioxythiophene) Latexes in Aqueous Dispersant Media. Langmuir, 2008, 24, 11911-11920.	1.6	22
106	Synthesis of Polyaniline Nano-Objects Using Poly(vinyl alcohol)-, Poly(ethylene oxide)-, and Poly[(N-vinyl pyrrolidone)-co-(vinyl alcohol)]-Based Reactive Stabilizers. Langmuir, 2009, 25, 13569-13580.	1.6	22
107	Divanillin-Based Polyazomethines: Toward Biobased and Metal-Free Ï€-Conjugated Polymers. ACS Omega, 2020, 5, 5176-5181.	1.6	22
108	Impact of Fatty Acid Structure on CALBâ€Catalyzed Esterification of Glucose. European Journal of Lipid Science and Technology, 2020, 122, 1900294.	1.0	22

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109	Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1993, 14, 17-27.	1.1	21
110	Investigation of molecular dimensions of polystyrene as a function of the solvent composition: application to liquid chromatography at the exclusion-adsorption transition point. Macromolecular Chemistry and Physics, 1999, 200, 2074-2079.	1.1	21
111	UHMWPE/SBA-15 nanocomposites synthesized by in situ polymerization. Microporous and Mesoporous Materials, 2016, 232, 13-25.	2.2	21
112	Periodate oxidation of 4-O-methylglucuronoxylans: Influence of the reaction conditions. Carbohydrate Polymers, 2016, 142, 45-50.	5.1	21
113	Isospecific homo- and copolymerization of styrene with ethylene in the presence of VCl3, AlCl3 as catalyst. Macromolecular Rapid Communications, 1996, 17, 461-469.	2.0	20
114	Design of Wellâ€Defined Monofunctionalized Poly(3â€hexylthiophene)s: Toward the Synthesis of Semiconducting Graft Copolymers. Macromolecular Rapid Communications, 2012, 33, 703-709.	2.0	20
115	Synthesis of hybrid semiconducting polymerâ€“metal latexes. Polymer Chemistry, 2013, 4, 615-622.	1.9	20
116	Synthesis and characterization of partially bio-based polyimides based on biphenylene-containing diisocyanate derived from vanillic acid. European Polymer Journal, 2018, 109, 257-264.	2.6	20
117	Synthesis of PEDOT latexes by dispersion polymerization in aqueous media. Materials Science and Engineering C, 2009, 29, 377-382.	3.8	19
118	Latent catalysts based on guanidine templates for polyurethane synthesis. Polymer Chemistry, 2013, 4, 904.	1.9	19
119	ADMET polymerization of Î±,Ï‰-unsaturated glycolipids: synthesis and physico-chemical properties of the resulting polymers. Polymer Chemistry, 2017, 8, 3731-3739.	1.9	19
120	[(Î·5-C5Me4)SiMe2(NtertBu)]TiCl2 as Pre-Catalyst for the Copolymerisation of Ethylene with 5,7-Dimethylocta-1,6-diene and with 3,7-Dimethylocta-1,6-diene. Macromolecular Chemistry and Physics, 2002, 203, 139-145.	1.1	18
121	Linear non-conjugated dienes from biomass as termonomers in EPDM synthesis, 3. Conventional versus metallocene catalysis. Macromolecular Chemistry and Physics, 1996, 197, 2481-2491.	1.1	17
122	Synthesis of uniform polyurethane particles by step growth polymerization in a dispersed medium. Colloid and Polymer Science, 2002, 280, 1122-1130.	1.0	17
123	Styrene polymerization using nickel(II) complexes as catalysts. European Polymer Journal, 2005, 41, 2678-2684.	2.6	17
124	Benzophenone-functionalized, starlike polystyrenes as organic supports for a tridentate bis(imino)pyridinyliron/trimethylaluminum catalytic system for ethylene polymerization. Journal of Polymer Science Part A, 2006, 44, 6997-7007.	2.5	17
125	Synthesis and characterization of functionalized 4-<i>O</i>-methylglucuronoxylan derivatives. Holzforschung, 2015, 69, 713-720.	0.9	17
126	Volatile Organic Compound-Free Synthesis of Waterborne Poly(hydroxy urethane)â€“(Meth)acrylic Hybrids by Miniemulsion Polymerization. ACS Applied Polymer Materials, 2020, 2, 4016-4025.	2.0	17

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127	Hybrid Nonisocyanate Polyurethanes (Hâ€NIPUs): A Pathway towards a Broad Range of Novel Materials. Macromolecular Chemistry and Physics, 2022, 223, .	1.1	17
128	Functional Star-Like Polystyrenes as Organic Supports of MeDIP(2,6-iPrPh)2FeCl2 Catalyst Toward Ethylene Polymerization. Macromolecular Chemistry and Physics, 2007, 208, 1349-1361.	1.1	16
129	Polyaldol Synthesis by Direct Organocatalyzed Crossed Polymerization of Bis(ketones) and Bis(aldehydes). Macromolecules, 2014, 47, 525-533.	2.2	16
130	Synthesis and Self-Assembly of Xylan-Based Amphiphiles: From Bio-Based Vesicles to Antifungal Properties. Biomacromolecules, 2019, 20, 118-129.	2.6	15
131	Structural and photophysical investigations of polyacetylene prepared by different precursor routes. Polymer, 1994, 35, 403-414.	1.8	14
132	Ethylene Polymerization Studies with an MAO Synthesized by a Non-Hydrolytic Synthetic Route. Macromolecular Rapid Communications, 2002, 23, 829-833.	2.0	14
133	Elementary mechanisms of metallocene activation by methylaluminoxane cocatalysts for olefin polymerization. Polymer International, 2002, 51, 973-977.	1.6	14
134	Oneâ€shot synthesis of high molar mass polyurethane in supercritical carbon dioxide. Journal of Polymer Science Part A, 2007, 45, 5649-5661.	2.5	14
135	Versatile cross-linked fatty acid-based polycarbonate networks obtained by thiolâ€“ene coupling reaction. RSC Advances, 2019, 9, 145-150.	1.7	14
136	Functional Polyethylenes by Organometallic-Mediated Radical Polymerization of Biobased Carbonates. ACS Macro Letters, 2021, 10, 313-320.	2.3	14
137	Crosslinked isocyanate-free poly(hydroxy urethane)s â€“ Poly(butyl methacrylate) hybrid latexes. European Polymer Journal, 2021, 146, 110254.	2.6	14
138	Linear non-conjugated dienes from biomass as termonomers in EPDM synthesis, 2. Comparison with 5-ethylidene-2-norbornene termonomer. Macromolecular Chemistry and Physics, 1996, 197, 289-302.	1.1	13
139	Synthesis of gold nanoparticles coated onto polyurethane microspheres. Journal of Materials Chemistry, 2005, 15, 4196.	6.7	13
140	Bio-based aliphatic primary amines from alcohols through the â€˜Nitrile routeâ€™ towards non-isocyanate polyurethanes. European Polymer Journal, 2016, 82, 114-121.	2.6	13
141	Polymer Micelles as Supports for the Production of Millimetric Polyethylene Beads. Macromolecules, 2008, 41, 7321-7329.	2.2	12
142	Building planar defects into colloidal crystals using particles of different chemical nature. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 343, 8-11.	2.3	12
143	Main-chain poly(fullerene) multiblock copolymers as organic photovoltaic donorâ€“acceptors and stabilizers. Journal of Materials Chemistry A, 2017, 5, 7533-7544.	5.2	12
144	Novel EDOT and fluorene-based electroluminescent â€œbricksâ€•as materials for OLEDs. Organic Electronics, 2006, 7, 576-585.	1.4	11

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145	Synthesis of Polyurethane/Poly(1,1,2,2â€tetrahydroperfluorodecyl acrylate) Particles in Supercritical Carbon Dioxide. Macromolecular Chemistry and Physics, 2008, 209, 535-543.	1.1	11
146	Extraordinary mechanical performance in disentangled UHMWPE films processed by compression molding. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 90, 202-207.	1.5	11
147	End-functionalization of Polystyryl and Polybutadienyl Lithium by Chloroalkyl Derivatives Bearing Oxygen Atoms. Polymer International, 1996, 41, 453-462.	1.6	10
148	Relationship between Architecture and Adhesive Properties of Macromolecular Materials, 1. Macromolecular Chemistry and Physics, 2003, 204, 1616-1620.	1.1	10
149	Design and use of macromonomers as steric stabilizers for the synthesis of novel functional particles in dispersed media. Polymer International, 2006, 55, 1146-1154.	1.6	10
150	A Combined Spectroscopic and Theoretical Study of Dibutyltin Diacetate and Dilaurate in Supercritical CO2. Journal of Physical Chemistry A, 2008, 112, 8379-8386.	1.1	10
151	Synthesis of Poly(3,4â€ethylenedioxythiophene) latexes using poly(<i>N</i>â€vinylpyrrolidone)â€based copolymers as reactive stabilizers. Journal of Polymer Science Part A, 2010, 48, 3841-3855.	2.5	10
152	Hybrid PEDOT-Metal Nanoparticles - New Substitutes for PEDOT:PSS in Electrochromic Layers - Towards Improved Performance. European Journal of Inorganic Chemistry, 2012, 2012, 5360-5370.	1.0	10
153	Crossâ€Linking of Polyesters Based on Fatty Acids. European Journal of Lipid Science and Technology, 2019, 121, 1900264.	1.0	10
154	Linear non-conjugated dienes from biomass as termonomers in EPDM synthesis, 1. Study of their reactivity in homo-, co- and terpolymerizations. Macromolecular Chemistry and Physics, 1995, 196, 3091-3105.	1.1	9
155	The Î±-halogeno ether function: formation and use in the design of tailor-made polymers. Polymers for Advanced Technologies, 1994, 5, 568-574.	1.6	8
156	Liquid Chromatography of Polymers at the Exclusion â€" Adsorption Transition Point: Physicochemical Interpretation. International Journal of Polymer Analysis and Characterization, 2001, 6, 123-145.	0.9	8
157	New synthetic route to methylaluminoxane for ethylene polymerisation in the presence of zirconocene. Comptes Rendus Chimie, 2002, 5, 49-52.	0.2	8
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