

Robert M Waymouth

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282
papers

23,224
citations

78
h-index

144
g-index

291
ext. papers

25,096
ext. citations

8.9
avg, IF

7.06
L-index

#	Paper	IF	Citations
282	Stereospecific Olefin Polymerization with Chiral Metallocene Catalysts. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 1143-1170		2341
281	Organocatalytic ring-opening polymerization. <i>Chemical Reviews</i> , 2007 , 107, 5813-40	68.1	1137
280	Group 4 ansa-Cyclopentadienyl-Amido Catalysts for Olefin Polymerization. <i>Chemical Reviews</i> , 1998 , 98, 2587-2598	68.1	868
279	Organocatalysis: Opportunities and Challenges for Polymer Synthesis. <i>Macromolecules</i> , 2010 , 43, 2093-2107	31.9	700
278	Guanidine and Amidine Organocatalysts for Ring-Opening Polymerization of Cyclic Esters. <i>Macromolecules</i> , 2006 , 39, 8574-8583	5.5	570
277	Stereospezifische Olefinpolymerisation mit chiralen Metallocenkatalysatoren. <i>Angewandte Chemie</i> , 1995 , 107, 1255-1283	3.6	479
276	Enantioselective homogeneous catalysis involving transition-metal-allyl intermediates. <i>Chemical Reviews</i> , 1989 , 89, 257-276	68.1	425
275	Catalysis as an Enabling Science for Sustainable Polymers. <i>Chemical Reviews</i> , 2018 , 118, 839-885	68.1	422
274	Triazabicyclodecene: a simple bifunctional organocatalyst for acyl transfer and ring-opening polymerization of cyclic esters. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4556-7	16.4	422
273	Thiourea-based bifunctional organocatalysis: supramolecular recognition for living polymerization. <i>Journal of the American Chemical Society</i> , 2005 , 127, 13798-9	16.4	331
272	Exploration, Optimization, and Application of Supramolecular Thiourea-Amine Catalysts for the Synthesis of Lactide (Co)polymers. <i>Macromolecules</i> , 2006 , 39, 7863-7871	5.5	317
271	Zwitterionic polymerization of lactide to cyclic poly(lactide) by using N-heterocyclic carbene organocatalysts. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2627-30	16.4	312
270	Expanding the catalytic activity of nucleophilic N-heterocyclic carbenes for transesterification reactions. <i>Organic Letters</i> , 2002 , 4, 3587-90	6.2	296
269	In situ generation of carbenes: a general and versatile platform for organocatalytic living polymerization. <i>Journal of the American Chemical Society</i> , 2003 , 125, 3046-56	16.4	278
268	Organocatalytic ring opening polymerization of trimethylene carbonate. <i>Biomacromolecules</i> , 2007 , 8, 153-60	6.9	271
267	A Renewable Lignin-Lactide Copolymer and Application in Biobased Composites. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 1231-1238	8.3	229
266	Enantioselective cyclopolymerization of 1,5-hexadiene catalyzed by chiral zirconocenes: a novel strategy for the synthesis of optically active polymers with chirality in the main chain. <i>Journal of the American Chemical Society</i> , 1993 , 115, 91-98	16.4	219

265	Phosphazene Bases: A New Category of Organocatalysts for the Living Ring-Opening Polymerization of Cyclic Esters. <i>Macromolecules</i> , 2007 , 40, 4154-4158	5.5	212
264	The reaction mechanism for the organocatalytic ring-opening polymerization of l-lactide using a guanidine-based catalyst: hydrogen-bonded or covalently bound?. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6749-54	16.4	205
263	Tagging alcohols with cyclic carbonate: a versatile equivalent of (meth)acrylate for ring-opening polymerization. <i>Chemical Communications</i> , 2008 , 114-6	5.8	199
262	Zwitterionic ring-opening polymerization for the synthesis of high molecular weight cyclic polymers. <i>Accounts of Chemical Research</i> , 2013 , 46, 2585-96	24.3	193
261	Enantioselective cyclopolymerization: optically active poly(methylene-1,3-cyclopentane). <i>Journal of the American Chemical Society</i> , 1991 , 113, 6270-6271	16.4	193
260	Homogeneous Ziegler-Natta polymerization of functionalized monomers catalyzed by cationic Group IV metallocenes. <i>Journal of the American Chemical Society</i> , 1992 , 114, 9679-9680	16.4	190
259	Accurate Structural Control and Block Formation in the Living Polymerization of 1,3-Dienes by Nitroxide-Mediated Procedures. <i>Macromolecules</i> , 2000 , 33, 363-370	5.5	189
258	Zwitterionic polymerization: a kinetic strategy for the controlled synthesis of cyclic polylactide. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4884-91	16.4	180
257	Organic spirocyclic initiators for the ring-expansion polymerization of beta-lactones. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8414-5	16.4	180
256	A general and versatile approach to thermally generated N-heterocyclic carbenes. <i>Chemistry - A European Journal</i> , 2004 , 10, 4073-9	4.8	173
255	Fast and selective ring-opening polymerizations by alkoxides and thioureas. <i>Nature Chemistry</i> , 2016 , 8, 1047-1053	17.6	172
254	Ethylene/Norbornene Copolymerizations with Titanium CpA Catalysts. <i>Macromolecules</i> , 1999 , 32, 2816-2825	16.4	162
253	Stereoselective polymerization of rac- and meso-lactide catalyzed by sterically encumbered N-heterocyclic carbenes. <i>Chemical Communications</i> , 2006 , 2881-3	5.8	154
252	Single-component catalyst/initiators for the organocatalytic ring-opening polymerization of lactide. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9079-84	16.4	152
251	Urea Anions: Simple, Fast, and Selective Catalysts for Ring-Opening Polymerizations. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1645-1652	16.4	149
250	Cyclic guanidine organic catalysts: what is magic about triazabicyclodecene?. <i>Journal of Organic Chemistry</i> , 2009 , 74, 9490-6	4.2	146
249	Stereoblock Polypropylene: Ligand Effects on the Stereospecificity of 2-Arylindene Zirconocene Catalysts. <i>Journal of the American Chemical Society</i> , 1995 , 117, 11586-11587	16.4	145
248	N-Heterocyclic Carbenes for the Organocatalytic Ring-Opening Polymerization of ϵ -Caprolactone. <i>Macromolecules</i> , 2009 , 42, 1634-1639	5.5	139

- 247 Charge-altering releasable transporters (CARTs) for the delivery and release of mRNA in living animals. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E448-E456 ^{11.5} 137
- 246 Crystallization of Cyclic Polymers: Synthesis and Crystallization Behavior of High Molecular Weight Cyclic Poly(ϵ -caprolactone)s. *Macromolecules*, **2011**, 44, 2773-2779 5.5 136
- 245 Diastereoselectivity in the homogeneous cyclopolymerization of 1,5-hexadiene. *Journal of the American Chemical Society*, **1990**, 112, 4953-4954 16.4 136
- 244 Alcohol Adducts of N-Heterocyclic Carbenes: Latent Catalysts for the Thermally-Controlled Living Polymerization of Cyclic Esters. *Macromolecules*, **2006**, 39, 5617-5628 5.5 133
- 243 Ring opening metathesis polymerization on non-covalently functionalized single-walled carbon nanotubes. *Chemical Communications*, **2003**, 190-1 5.8 132
- 242 N-Heterocyclic carbenes: Effective organic catalysts for living polymerization. *Polymer*, **2006**, 47, 4018-4025 ^{9.5} 130
- 241 Selectivity in Propylene Polymerization with Group 4 Cp²Amido Catalysts. *Organometallics*, **1997**, 16, 2879-2885 3.8 129
- 240 2-Arylindene metallocenes: conformationally dynamic catalysts to control the structure and properties of polypropylenes. *Accounts of Chemical Research*, **2002**, 35, 765-73 24.3 127
- 239 Effect of Metal on the Stereospecificity of 2-Arylindene Catalysts for Elastomeric Polypropylene. *Journal of the American Chemical Society*, **1997**, 119, 11174-11182 16.4 126
- 238 Zwitterionic copolymerization: synthesis of cyclic gradient copolymers. *Angewandte Chemie - International Edition*, **2011**, 50, 6388-91 16.4 124
- 237 Latent, thermally activated organic catalysts for the on-demand living polymerization of lactide. *Angewandte Chemie - International Edition*, **2005**, 44, 4964-8 16.4 124
- 236 Amidine-Mediated Zwitterionic Polymerization of Lactide. *ACS Macro Letters*, **2012**, 1, 1113-1115 6.6 121
- 235 Spontaneous generation of hydrogen peroxide from aqueous microdroplets. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 19294-19298 11.5 119
- 234 Synthesis of Poly(olefin) Graft Copolymers by a Combination of Metallocene and [Living]Free Radical Polymerization Techniques. *Macromolecules*, **1998**, 31, 4396-4398 5.5 119
- 233 Selective catalytic oxidation of glycerol to dihydroxyacetone. *Angewandte Chemie - International Edition*, **2010**, 49, 9456-9 16.4 116
- 232 Influence of polymerization conditions on the copolymerization of styrene with ethylene using Me₂Si(Me₄Cp)(N-tert-butyl)TiCl₂/methylaluminoxane Ziegler-Natta catalysts. *Macromolecular Chemistry and Physics*, **1996**, 197, 1071-1083 2.6 114
- 231 Structurally dynamic hydrogels derived from 1,2-dithiolanes. *Journal of the American Chemical Society*, **2015**, 137, 5650-3 16.4 110
- 230 Mixed Micelle Formation through Stereocomplexation between Enantiomeric Poly(lactide) Block Copolymers. *Macromolecules*, **2009**, 42, 25-29 5.5 109

229	Oligocarbonate molecular transporters: oligomerization-based syntheses and cell-penetrating studies. <i>Journal of the American Chemical Society</i> , 2009 , 131, 16401-3	16.4	108
228	1,2-Dithiolane-Derived Dynamic, Covalent Materials: Cooperative Self-Assembly and Reversible Cross-Linking. <i>Journal of the American Chemical Society</i> , 2017 , 139, 3822-3833	16.4	107
227	Organocatalytic depolymerization of poly(ethylene terephthalate). <i>Journal of Polymer Science Part A</i> , 2011 , 49, 1273-1281	2.5	105
226	Simple approach to stabilized micelles employing miktoarm terpolymers and stereocomplexes with application in paclitaxel delivery. <i>Biomacromolecules</i> , 2009 , 10, 1460-8	6.9	104
225	Group Transfer Polymerization of Acrylates Catalyzed by N-Heterocyclic Carbenes. <i>Macromolecules</i> , 2008 , 41, 7399-7404	5.5	103
224	Enhanced mRNA delivery into lymphocytes enabled by lipid-varied libraries of charge-altering releasable transporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E5859-E5866	11.5	101
223	Zirconium-catalyzed diene and alkyl-alkene coupling reactions with magnesium reagents. <i>Journal of the American Chemical Society</i> , 1991 , 113, 6268-6270	16.4	101
222	Designed guanidinium-rich amphipathic oligocarbonate molecular transporters complex, deliver and release siRNA in cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 13171-6	11.5	99
221	Biodegradation of polystyrene wastes in yellow mealworms (larvae of <i>Tenebrio molitor</i> Linnaeus): Factors affecting biodegradation rates and the ability of polystyrene-fed larvae to complete their life cycle. <i>Chemosphere</i> , 2018 , 191, 979-989	8.4	98
220	Thermoresponsive nanostructured polycarbonate block copolymers as biodegradable therapeutic delivery carriers. <i>Biomaterials</i> , 2011 , 32, 5505-14	15.6	97
219	Organocatalytic living ring-opening polymerization of cyclic carbosiloxanes. <i>Organic Letters</i> , 2006 , 8, 4683-6	6.2	96
218	Organocatalytic approach to amphiphilic comb-block copolymers capable of stereocomplexation and self-assembly. <i>Biomacromolecules</i> , 2008 , 9, 3051-6	6.9	93
217	Metallocene/Borate-Catalyzed Polymerization of Amino-Functionalized Olefins. <i>Macromolecules</i> , 1998 , 31, 2019-2027	5.5	91
216	Silver(I)-carbene complexes/ionic liquids: novel N-heterocyclic carbene delivery agents for organocatalytic transformations. <i>Journal of Organic Chemistry</i> , 2005 , 70, 2391-3	4.2	91
215	Ethylene/Propylene Copolymerization with 2-Arylindene Zirconocenes. <i>Macromolecules</i> , 1998 , 31, 1-6	5.5	91
214	Crystallization of the α and β Forms of Isotactic Polypropylene as a Tool To Test the Degree of Segregation of Defects in the Polymer Chains. <i>Macromolecules</i> , 2002 , 35, 3622-3629	5.5	87
213	Mechanism and Stereochemistry of the Zirconocene-Catalyzed Cyclomagnesiation of Dienes. <i>Journal of the American Chemical Society</i> , 1994 , 116, 1845-1854	16.4	86
212	Chain transfer to aluminum in the homogeneous cyclopolymerization of 1,5-hexadiene. <i>Macromolecules</i> , 1992 , 25, 2282-2284	5.5	86

211	Ubiquity of polystyrene digestion and biodegradation within yellow mealworms, larvae of <i>Tenebrio molitor</i> Linnaeus (Coleoptera: Tenebrionidae). <i>Chemosphere</i> , 2018 , 212, 262-271	8.4	85
210	Aerobic Alcohol Oxidation with Cationic Palladium Complexes: Insights into Catalyst Design and Decomposition. <i>Organometallics</i> , 2007 , 26, 5447-5453	3.8	85
209	Cell-Penetrating, Guanidinium-Rich Oligophosphoesters: Effective and Versatile Molecular Transporters for Drug and Probe Delivery. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3510-7	16.4	82
208	Titanium-mediated syndiospecific styrene polymerizations: role of oxidation state. <i>Journal of the American Chemical Society</i> , 2001 , 123, 12093-4	16.4	82
207	Metal-Free Catalyzed Ring-Opening Polymerization of β -Lactones: Synthesis of Amphiphilic Triblock Copolymers Based on Poly(dimethylmalic acid). <i>Macromolecules</i> , 2006 , 39, 4001-4008	5.5	81
206	Recent progress on the synthesis of cyclic polymers via ring-expansion strategies. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 2892-2902	2.5	79
205	Synthesis, structure, and olefin polymerization with nickel(II) N-heterocyclic carbene enolates. <i>Chemical Communications</i> , 2005 , 5693-5	5.8	79
204	Zwitterionic polymerization to generate high molecular weight cyclic poly(carbosiloxane)s. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18738-41	16.4	77
203	Chain End Functionalization in Nitroxide-Mediated \square Living \square Free Radical Polymerizations. <i>Macromolecules</i> , 2001 , 34, 3856-3862	5.5	76
202	Catalytic Carbonylative Spirolactonization of Hydroxycyclopropanols. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10693-9	16.4	75
201	Structure and Reactivity of an Allylpalladium N-Heterocyclic Carbene Enolate Complex. <i>Organometallics</i> , 2004 , 23, 2835-2837	3.8	74
200	Organic Ring-Opening Polymerization Catalysts: Reactivity Control by Balancing Acidity. <i>Macromolecules</i> , 2018 , 51, 2932-2938	5.5	73
199	Polymerizing Base Sensitive Cyclic Carbonates Using Acid Catalysis.. <i>ACS Macro Letters</i> , 2013 , 2, 306-312	6.6	73
198	Chemoselective Pd-catalyzed oxidation of polyols: synthetic scope and mechanistic studies. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7593-602	16.4	73
197	Propylene Polymerization with Unbridged Metallocenes: Ligand Effects on the Selectivity for Elastomeric Polypropylene. <i>Organometallics</i> , 1997 , 16, 5909-5916	3.8	70
196	Synthesis of Unbridged Bis(2-R-indenyl)zirconocenes Containing Functional Groups and Investigations in Propylene Polymerization. <i>Organometallics</i> , 1999 , 18, 4147-4155	3.8	68
195	Acyclic Guanidines as Organic Catalysts for Living Polymerization of Lactide. <i>Macromolecules</i> , 2010 , 43, 1660-1664	5.5	67
194	Propylene Polymerization with Chiral and Achiral Unbridged 2-Arylidene Metallocenes. <i>Organometallics</i> , 1997 , 16, 3635-3639	3.8	67

193	A Simple and Facile Approach to Aliphatic N-Substituted Functional Eight-Membered Cyclic Carbonates and Their Organocatalytic Polymerization. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13851-60	16.4	65
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191	Strategies for Synthesis of Elastomeric Polypropylene: Fluxional Metallocenes with C1-Symmetry. <i>Journal of the American Chemical Society</i> , 1998 , 120, 2039-2046	16.4	64
190	Stereocomplexation in Cyclic and Linear Polylactide Blends. <i>Macromolecules</i> , 2012 , 45, 595-598	5.5	62
189	Copolymerization Behavior of Unbridged Indenyl Metallocenes: Substituent Effects on the Degree of Comonomer Incorporation. <i>Macromolecules</i> , 2002 , 35, 637-643	5.5	62
188	Alternating stereospecific copolymerization of ethylene and propylene with metallocene catalysts. <i>Journal of the American Chemical Society</i> , 2001 , 123, 9555-63	16.4	62
187	Rheological and Thermal Properties of Elastomeric Polypropylene. <i>Macromolecules</i> , 1998 , 31, 5343-5351	5.5	61
186	Transient Ru-methyl formate intermediates generated with bifunctional transfer hydrogenation catalysts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 2246-50	11.5	60
185	mRNA vaccination with charge-altering releasable transporters elicits human T cell responses and cures established tumors in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E9153-E9161	11.5	60
184	Morphology of Thermoplastic Elastomers: Elastomeric Polypropylene. <i>Macromolecules</i> , 2002 , 35, 2654-2666	5.5	57
183	Zwitterionic Ring-Opening Polymerization: Models for Kinetics of Cyclic Poly(caprolactone) Synthesis. <i>Macromolecules</i> , 2014 , 47, 2955-2963	5.5	56
182	Micelles of imidazolium-functionalized polystyrene diblock copolymers investigated with neutron and light scattering. <i>Langmuir</i> , 2004 , 20, 596-605	4	56
181	Ring-opening reactions of oxabicyclic alkene compounds: enantioselective hydride and ethyl additions catalyzed by group 4 metals. <i>Journal of Organic Chemistry</i> , 2000 , 65, 3902-9	4.2	56
180	New ground for organic catalysis: a ring-opening polymerization approach to hydrogels. <i>Biomacromolecules</i> , 2007 , 8, 3294-7	6.9	54
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178	Alternating Ethene/Propene Copolymerization with a Metallocene Catalyst. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 922-925	16.4	52
177	Nucleation and Crystallization of Low-Crystallinity Polypropylene Followed in Situ by Hot Stage Atomic Force Microscopy. <i>Macromolecules</i> , 2003 , 36, 2412-2418	5.5	52
176	Zwitterionic Ring Opening Polymerization with Isothioureas. <i>ACS Macro Letters</i> , 2014 , 3, 1024-1028	6.6	51

- 175 Local Delivery of α , β , and mRNA Kindles Global Anticancer Immunity. *Cancer Research*, **2019**, 79, 1624-1634. 10.1158/0008-5472.CCR-18-2101 50
- 174 Bioorthogonal Catalysis: A General Method To Evaluate Metal-Catalyzed Reactions in Real Time in Living Systems Using a Cellular Luciferase Reporter System. *Bioconjugate Chemistry*, **2016**, 27, 376-82. 10.1021/acs.bioconj.5b01063 49
- 173 Control of Sequence Distribution of Ethylene Copolymers: Influence of Comonomer Sequence on the Melting Behavior of Ethylene Copolymers. *Macromolecules*, **2003**, 36, 2454-2463. 10.1021/ma021011a023 49
- 172 Elastomeric Polypropylene from Unbridged 2-Arylindenyl Zirconocenes: Modeling Polymerization Behavior Usingansa-Metallocene Analogues. *Journal of the American Chemical Society*, **1998**, 120, 11316-11322. 10.1021/ja981322a049 49
- 171 Mixed Ligand Metallocenes as Catalysts for Elastomeric Polypropylene. *Organometallics*, **1999**, 18, 380-388. 10.1021/60002a011 49
- 170 Experimental and computational studies on the mechanism of zwitterionic ring-opening polymerization of ϵ -valerolactone with N-heterocyclic carbenes. *Journal of Physical Chemistry B*, **2014**, 118, 6553-60. 10.1021/jp141237g 48
- 169 A distinctive organocatalytic approach to complex macromolecular architectures. *Angewandte Chemie - International Edition*, **2007**, 46, 4719-21. 10.1002/anie.200701487 48
- 168 Chiral polymers via cyclopolymerization. *Journal of Molecular Catalysis*, **1992**, 76, 189-194. 10.1016/0169-8349(92)80003-3 48
- 167 Facile Synthesis of Functionalized Lactones and Organocatalytic Ring-Opening Polymerization. *ACS Macro Letters*, **2012**, 1, 845-847. 10.1021/ma30057a001 47
- 166 [H(OEt₂)₂]⁺ and [Ph₃C]⁺ Salts of the Borate Anions [B(CF₃)₄]⁻, [(CF₃)₃BCN]⁻, and [B(CN)₄]⁻. *Organometallics*, **2005**, 24, 5103-5109. 10.1021/ol050103a001 47
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- 164 Catalytic Role of Multinuclear Palladium-Oxygen Intermediates in Aerobic Oxidation Followed by Hydrogen Peroxide Disproportionation. *Journal of the American Chemical Society*, **2015**, 137, 13632-46. 10.1021/ja50923a001 46
- 163 Organocatalytic ring-opening polymerization of morpholinones: new strategies to functionalized polyesters. *Journal of the American Chemical Society*, **2014**, 136, 9252-5. 10.1021/ja50923a001 46
- 162 Synthesis, Structure, and Ethylene/Olefin Polymerization Behavior of (Cyclopentadienyl)(nitroxide)titanium Complexes. *Organometallics*, **2004**, 23, 836-845. 10.1021/ol03101a001 46
- 161 Programmable High-Throughput Platform for the Rapid and Scalable Synthesis of Polyester and Polycarbonate Libraries. *Journal of the American Chemical Society*, **2019**, 141, 8921-8927. 10.1021/jacs.9b05101 45
- 160 Hierarchical supermolecular structures for sustained drug release. *Small*, **2009**, 5, 1504-7. 10.1002/smll.200900447 45
- 159 Kinetics of Propylene Polymerization Using Bis(2-phenylindenyl)zirconium Dichloride/Methylaluminumoxane. *Journal of the American Chemical Society*, **2000**, 122, 11275-11285. 10.1021/ja00021a001 45
- 158 Synthesis and Topological Trapping of Cyclic Poly(alkylene phosphates). *Macromolecules*, **2014**, 47, 8224-8230. 10.1021/ma50133a001 44

157	High Comonomer Selectivity in Ethylene/Hexene Copolymerization by Unbridged Indenyl Metallocenes. <i>Macromolecules</i> , 2003 , 36, 3815-3820	5.5	44
156	Homolysis of weak Ti-O bonds: experimental and theoretical studies of titanium oxygen bonds derived from stable nitroxyl radicals. <i>Journal of the American Chemical Society</i> , 2005 , 127, 3807-16	16.4	44
155	Enantio- and Diastereoselective Catalytic Carboalumination of 1-Alkenes and β -Dienes with Cationic Zirconocenes: Scope and Mechanism. <i>Organometallics</i> , 1998 , 17, 5728-5745	3.8	44
154	Copolymerization behavior of titanium imidazolin-2-iminato complexes. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 6064-6070	2.5	43
153	Alternating stereospecific copolymerization of cyclopentene and ethylene with constrained geometry catalysts. <i>Chemical Communications</i> , 2003 , 864-5	5.8	43
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151	Cyclocopolymerization: a mechanistic probe for dual-site alternating copolymerization of ethylene and alpha-olefins. <i>Journal of the American Chemical Society</i> , 2002 , 124, 4188-9	16.4	42
150	Stereospecific octahedral group 4 bis(phenolate) ether complexes for olefin polymerization. <i>Journal of the American Chemical Society</i> , 2010 , 132, 5566-7	16.4	41
149	Synthesis and reactivity of allyl nickel(II) N-heterocyclic carbene enolate complexes. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 3637-3647	2.5	41
148	Latent, Thermally Activated Organic Catalysts for the On-Demand Living Polymerization of Lactide. <i>Angewandte Chemie</i> , 2005 , 117, 5044-5048	3.6	40
147	Polymer synthesis. Catalysts rise to the challenge. <i>Science</i> , 2002 , 295, 635-6	33.3	40
146	Synthesis of Fluorescently Labeled Polymers and Their Use in Single-Molecule Imaging. <i>Macromolecules</i> , 2002 , 35, 8122-8125	5.5	40
145	Synthesis and molecular structure of titanium complexes containing a reduced TEMPO radical. <i>Chemical Communications</i> , 2002 , 502-3	5.8	40
144	Steric and electronic effects of R in (2-(4-R-C6H4)indenyl)2ZrCl2 catalysts on the synthesis of elastomeric polypropylene. <i>Journal of Molecular Catalysis A</i> , 1998 , 136, 23-33		39
143	The dual-site alternating cyclocopolymerization of 1,3-butadiene with ethylene. <i>Journal of the American Chemical Society</i> , 2003 , 125, 8970-1	16.4	39
142	Two-State Models for Olefin Polymerization using Metallocene Catalysts. 1. Application to Fluxional Metallocene Catalyst Systems. <i>Macromolecules</i> , 2000 , 33, 7249-7260	5.5	39
141	Statistical Analysis and Simulation of Pentad Distributions of Stereoblock Polypropylenes. <i>Macromolecules</i> , 1998 , 31, 2707-2715	5.5	39
140	Expanding the range of polyhydroxyalkanoates synthesized by methanotrophic bacteria through the utilization of omega-hydroxyalkanoate co-substrates. <i>AMB Express</i> , 2017 , 7, 118	4.1	38

139	Hierarchical assembly of nanostructured organosilicate networks via stereocomplexation of block copolymers. <i>Nano Letters</i> , 2008 , 8, 294-301	11.5	38
138	Structure-Reactivity Relationships of Amido-Pyridine-Supported Rare-Earth-Metal Alkyl Complexes. <i>Organometallics</i> , 2008 , 27, 4310-4317	3.8	38
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