

Geoffrey W Coates

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.

243 papers	25,677 citations	86 h-index	155 g-index
261 ext. papers	28,562 ext. citations	11.9 avg, IF	7.45 L-index

#	Paper	IF	Citations
243	Complete Electrochemical Characterization and Limiting Current of Polyacetal Electrolytes. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 020538	3.9	0
242	Electrocatalysis in Alkaline Media and Alkaline Membrane-Based Energy Technologies.. <i>Chemical Reviews</i> , 2022 ,	68.1	25
241	Upgrading Carbonate Electrolytes for Ultra-stable Practical Lithium Metal Batteries.. <i>Angewandte Chemie - International Edition</i> , 2021 , e202116214	16.4	5
240	Chemical Upcycling of Polyethylene to Value-Added β -Divinyl-Functionalized Oligomers. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 13926-13936	8.3	4
239	Chirality-Directed Regioselectivity: An Approach for the Synthesis of Alternating Poly(Lactic-Glycolic Acid). <i>Journal of the American Chemical Society</i> , 2021 , 143, 4119-4124	16.4	13
238	Improved Li ⁺ Transport in Polyacetal Electrolytes: Conductivity and Current Fraction in a Series of Polymers. <i>ACS Energy Letters</i> , 2021 , 6, 1886-1891	20.1	10
237	Entrepreneurship in Polymer Chemistry.. <i>ACS Macro Letters</i> , 2021 , 10, 864-872	6.6	
236	Modifying Li ⁺ and Anion Diffusivities in Polyacetal Electrolytes: A Pulsed-Field-Gradient NMR Study of Ion Self-Diffusion. <i>Chemistry of Materials</i> , 2021 , 33, 4915-4926	9.6	7
235	Degradation of Organic Cations under Alkaline Conditions. <i>Journal of Organic Chemistry</i> , 2021 , 86, 254-263	11.3	26
234	Expeditious synthesis of aromatic-free piperidinium-functionalized polyethylene as alkaline anion exchange membranes. <i>Chemical Science</i> , 2021 , 12, 3898-3910	9.4	18
233	Chemically recyclable thermoplastics from reversible-deactivation polymerization of cyclic acetals. <i>Science</i> , 2021 , 373, 783-789	33.3	41
232	Single-chain polymerization dynamics and conformational mechanics of conjugated polymers. <i>Chem</i> , 2021 , 7, 2175-2189	16.2	4
231	Exploring the Ion Solvation Environments in Solid-State Polymer Electrolytes through Free-Energy Sampling. <i>Macromolecules</i> , 2021 , 54, 8590-8600	5.5	0
230	Designing Polymeric Interphases for Stable Lithium Metal Deposition. <i>Nano Letters</i> , 2020 , 20, 5749-5758	11.5	16
229	Isotactic Poly(propylene oxide): A Photodegradable Polymer with Strain Hardening Properties. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6800-6806	16.4	13
228	Achieving Uniform Lithium Electrodeposition in Cross-Linked Poly(ethylene oxide) Networks: Soft Polymers Prevent Metal Dendrite Proliferation. <i>Macromolecules</i> , 2020 , 53, 5445-5454	5.5	12
227	Miscible Polyether/Poly(ether-acetal) Electrolyte Blends. <i>Macromolecules</i> , 2020 , 53, 5728-5739	5.5	10

226	Mechanically robust and reprocessable imine exchange networks from modular polyester pre-polymers. <i>Polymer Chemistry</i> , 2020 , 11, 5346-5355	4.9	23
225	Morphology of Isotactic PolypropylenePolyethylene Block Copolymers Driven by Controlled Crystallization. <i>Macromolecules</i> , 2020 , 53, 10234-10244	5.5	5
224	Alkaline-stable anion exchange membranes: A review of synthetic approaches. <i>Progress in Polymer Science</i> , 2020 , 100, 101177	29.6	119
223	Controlling the Shape of Molecular Weight Distributions in Coordination Polymerization and Its Impact on Physical Properties. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1443-1448	16.4	51
222	Nucleophilic Transformations of Lewis Acid-Activated Disubstituted Epoxides with Catalyst-Controlled Regioselectivity. <i>Journal of Organic Chemistry</i> , 2020 , 85, 13391-13414	4.2	9
221	Catalytic upcycling of high-density polyethylene via a processive mechanism. <i>Nature Catalysis</i> , 2020 , 3, 893-901	36.5	78
220	Catalyst-Controlled Regioselective Carbonylation of Isobutylene Oxide to Pivalolactone. <i>ACS Catalysis</i> , 2020 , 10, 12537-12543	13.1	3
219	Bifunctional Catalysis Prevents Inhibition in Reversible-Deactivation Ring-Opening Copolymerizations of Epoxides and Cyclic Anhydrides. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20161-20169	16.4	23
218	Mechanistic Study of Isotactic Poly(propylene oxide) Synthesis using a Tethered Bimetallic Chromium Salen Catalyst. <i>ACS Catalysis</i> , 2020 , 10, 8960-8967	13.1	5
217	Compatibilization of iPP/HDPE Blends with PE-g-iPP Graft Copolymers. <i>ACS Macro Letters</i> , 2020 , 9, 1161-1166	16.6	16
216	Carbonylative, Catalytic Deoxygenation of 2,3-Disubstituted Epoxides with Inversion of Stereochemistry: An Alternative Alkene Isomerization Method. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8029-8035	16.4	9
215	Chemical recycling to monomer for an ideal, circular polymer economy. <i>Nature Reviews Materials</i> , 2020 , 5, 501-516	73.3	235
214	Comprehensive Understanding of Polyester Stereocomplexation. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14780-14787	16.4	45
213	Regioselective Carbonylation of 2,2-Disubstituted Epoxides: An Alternative Route to Ketone-Based Aldol Products. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2474-2480	16.4	18
212	Protocol for the Quantitative Assessment of Organic Cation Stability for Polymer Electrolytes. <i>ACS Energy Letters</i> , 2019 , 4, 1681-1686	20.1	25
211	Enabling Room-Temperature Mechanochromic Activation in a Glassy Polymer: Synthesis and Characterization of Spiropyran Polycarbonate. <i>Journal of the American Chemical Society</i> , 2019 , 141, 10060-10067	16.4	34
210	Dual catalysis for the copolymerisation of epoxides and lactones. <i>Chemical Communications</i> , 2019 , 55, 6914-6917	5.8	16
209	Switchable living nickel(ii) diimine catalyst for ethylene polymerisation. <i>Chemical Communications</i> , 2019 , 55, 7607-7610	5.8	27

208	Highly conductive and chemically stable alkaline anion exchange membranes via ROMP of -cyclooctene derivatives. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 9729-9734	11.5	71
207	Mechanism-Inspired Design of Bifunctional Catalysts for the Alternating Ring-Opening Copolymerization of Epoxides and Cyclic Anhydrides. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12760-12769	16.4	55
206	Bimetallic Chromium Catalysts with Chain Transfer Agents: A Route to Isotactic Poly(propylene oxide)s with Narrow Dispersities. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5731-5734	16.4	26
205	Synthesis of Semicrystalline Polyolefin Materials: Precision Methyl Branching via Stereoretentive Chain Walking. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6208-6211	16.4	38
204	Optimizing Ion Transport in Polyether-Based Electrolytes for Lithium Batteries. <i>Macromolecules</i> , 2018 , 51, 2847-2858	5.5	59
203	Synthesis of Alkaline Anion Exchange Membranes with Chemically Stable Imidazolium Cations: Unexpected Cross-Linked Macrocycles from Ring-Fused ROMP Monomers. <i>Macromolecules</i> , 2018 , 51, 3212-3218	5.5	67
202	Sustainable Polyester Elastomers from Lactones: Synthesis, Properties, and Enzymatic Hydrolyzability. <i>Journal of the American Chemical Society</i> , 2018 , 140, 963-973	16.4	64
201	Bimetallic Chromium Catalysts with Chain Transfer Agents: A Route to Isotactic Poly(propylene oxide)s with Narrow Dispersities. <i>Angewandte Chemie</i> , 2018 , 130, 5833-5836	3.6	3
200	Trials and tribulations of designing multitasking catalysts for olefin/thiophene block copolymerizations. <i>Journal of Polymer Science Part A</i> , 2018 , 56, 132-137	2.5	10
199	Phenothiazine-Based Polymer Cathode Materials with Ultrahigh Power Densities for Lithium Ion Batteries. <i>ACS Applied Energy Materials</i> , 2018 , 1, 3560-3564	6.1	43
198	Unraveling substituent effects on the glass transition temperatures of biorenewable polyesters. <i>Nature Communications</i> , 2018 , 9, 2880	17.4	36
197	Reversible-deactivation anionic alternating ring-opening copolymerization of epoxides and cyclic anhydrides: access to orthogonally functionalizable multiblock aliphatic polyesters. <i>Chemical Science</i> , 2018 , 9, 134-142	9.4	41
196	Nucleophilic ring opening of trans-2,3-disubstituted epoxides to amino alcohols with catalyst-controlled regioselectivity. <i>Chemical Communications</i> , 2018 , 54, 12998-13001	5.8	16
195	Compatibilization of Isotactic Polypropylene (iPP) and High-Density Polyethylene (HDPE) with iPPBE Multiblock Copolymers. <i>Macromolecules</i> , 2018 , 51, 8585-8596	5.5	57
194	Combining polyethylene and polypropylene: Enhanced performance with PE/PP multiblock polymers. <i>Science</i> , 2017 , 355, 814-816	33.3	251
193	Designing Polymer Electrolytes for Safe and High Capacity Rechargeable Lithium Batteries. <i>Accounts of Chemical Research</i> , 2017 , 50, 590-593	24.3	116
192	Mechanistic Insights into the Alternating Copolymerization of Epoxides and Cyclic Anhydrides Using a (Salph)AlCl and Iminium Salt Catalytic System. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15222-15231	16.4	83
191	Rapid Analysis of Tetrakis(dialkylamino)phosphonium Stability in Alkaline Media. <i>Organometallics</i> , 2017 , 36, 4038-4046	3.8	22

190	Single polymer growth dynamics. <i>Science</i> , 2017 , 358, 352-355	33.3	42
189	Understanding the Insertion Pathways and Chain Walking Mechanisms of π -Diimine Nickel Catalysts for α -Olefin Polymerization: A ^{13}C NMR Spectroscopic Investigation. <i>Macromolecules</i> , 2017 , 50, 7010-7027	5.5	43
188	High Morphological Order in a Nearly Precise Acid-Containing Polymer and Ionomer. <i>ACS Macro Letters</i> , 2017 , 6, 947-951	6.6	16
187	Combined Experimental and Theoretical Approach for Living and Isoselective Propylene Polymerization. <i>ACS Catalysis</i> , 2017 , 7, 6930-6937	13.1	32
186	Mechanistic Insight into Thiophene Catalyst-Transfer Polymerization Mediated by Nickel Diimine Catalysts. <i>Macromolecules</i> , 2017 , 50, 9121-9127	5.5	14
185	Isospecific, Chain Shuttling Polymerization of Propylene Oxide Using a Bimetallic Chromium Catalyst: A New Route to Semicrystalline Polyols. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11048-11054	16.4	44
184	Alternating Copolymerization of Propylene Oxide and Cyclohexene Oxide with Tricyclic Anhydrides: Access to Partially Renewable Aliphatic Polyesters with High Glass Transition Temperatures. <i>Macromolecules</i> , 2016 , 49, 6394-6400	5.5	99
183	Oriented Microstructures of Crystalline/Crystalline Block Copolymers Induced by Epitaxy and Competitive and Confined Crystallization. <i>Macromolecules</i> , 2016 , 49, 5576-5586	5.5	20
182	Universal Relationship between Conductivity and Solvation-Site Connectivity in Ether-Based Polymer Electrolytes. <i>Macromolecules</i> , 2016 , 49, 5244-5255	5.5	47
181	Carbonylation of Ethylene Oxide to ϵ -Propiolactone: A Facile Route to Poly(3-hydroxypropionate) and Acrylic Acid. <i>ACS Catalysis</i> , 2016 , 6, 8219-8223	13.1	26
180	Semi-Crystalline Polar Polyethylene: Ester-Functionalized Linear Polyolefins Enabled by a Functional-Group-Tolerant, Cationic Nickel Catalyst. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7106-10	16.4	159
179	Effect of monomer structure on ionic conductivity in a systematic set of polyester electrolytes. <i>Solid State Ionics</i> , 2016 , 289, 118-124	3.3	50
178	Semi-Crystalline Polar Polyethylene: Ester-Functionalized Linear Polyolefins Enabled by a Functional-Group-Tolerant, Cationic Nickel Catalyst. <i>Angewandte Chemie</i> , 2016 , 128, 7222-7226	3.6	66
177	Rapid Determination of Polymer Stereoregularity Using Band-Selective 2D HSQC. <i>ACS Macro Letters</i> , 2016 , 5, 181-184	6.6	7
176	Electronic Effects of Aluminum Complexes in the Copolymerization of Propylene Oxide with Tricyclic Anhydrides: Access to Well-Defined, Functionalizable Aliphatic Polyesters. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2755-61	16.4	92
175	Tetrakis(dialkylamino)phosphonium Polyelectrolytes Prepared by Reversible Addition-Fragmentation Chain Transfer Polymerization. <i>ACS Macro Letters</i> , 2016 , 5, 253-257	6.6	34
174	Nickel Catalysts for the Dehydrative Decarbonylation of Carboxylic Acids to Alkenes. <i>Organometallics</i> , 2016 , 35, 2391-2400	3.8	41
173	Ring-Opening Copolymerization of Epoxides and Cyclic Anhydrides with Discrete Metal Complexes: Structure-Property Relationships. <i>Chemical Reviews</i> , 2016 , 116, 15167-15197	68.1	265

172	Development of Highly Active and Regioselective Catalysts for the Copolymerization of Epoxides with Cyclic Anhydrides: An Unanticipated Effect of Electronic Variation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7107-13	16.4	91
171	Controlled Chain Walking for the Synthesis of Thermoplastic Polyolefin Elastomers: Synthesis, Structure, and Properties. <i>Macromolecules</i> , 2016 , 49, 6743-6751	5.5	85
170	Structure-property study of cross-linked hydrocarbon/poly(ethylene oxide) electrolytes with superior conductivity and dendrite resistance. <i>Chemical Science</i> , 2016 , 7, 6832-6838	9.4	58
169	Alternating Copolymerization of Propylene Oxide with Biorenewable Terpene-Based Cyclic Anhydrides: A Sustainable Route to Aliphatic Polyesters with High Glass Transition Temperatures. <i>Angewandte Chemie</i> , 2015 , 127, 2703-2706	3.6	25
168	Ring-Expanding Carbonylation of Epoxides 2015 , 1-104		3
167	Imidazolium Cations with Exceptional Alkaline Stability: A Systematic Study of Structure-Stability Relationships. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8730-7	16.4	261
166	Tetraarylborate polymer networks as single-ion conducting solid electrolytes. <i>Chemical Science</i> , 2015 , 6, 5499-5505	9.4	93
165	Meinwald-type rearrangement of monosubstituted epoxides to methyl ketones using an [Al porphyrin]+[Co(CO) ₄] ⁻ catalyst. <i>Organic Chemistry Frontiers</i> , 2015 , 2, 346-349	5.2	33
164	Systematic Computational and Experimental Investigation of Lithium-Ion Transport Mechanisms in Polyester-Based Polymer Electrolytes. <i>ACS Central Science</i> , 2015 , 1, 198-205	16.8	119
163	Multicomponent Nanomaterials with Complex Networked Architectures from Orthogonal Degradation and Binary Metal Backfilling in ABC Triblock Terpolymers. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6026-33	16.4	61
162	Crystallization of Alternating Limonene Oxide/Carbon Dioxide Copolymers: Determination of the Crystal Structure of Stereocomplex Poly(limonene carbonate). <i>Macromolecules</i> , 2015 , 48, 2534-2550	5.5	40
161	Regioselective Isomerization of 2,3-Disubstituted Epoxides to Ketones: An Alternative to the Wacker Oxidation of Internal Alkenes. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15049-54	16.4	31
160	Allyl-Terminated Polypropylene Macromonomers: A Route to Polyolefin Elastomers with Excellent Elastic Behavior. <i>Macromolecules</i> , 2015 , 48, 7489-7494	5.5	40
159	High power organic cathodes using thin films of electropolymerized benzidine polymers. <i>Chemical Communications</i> , 2015 , 51, 14674-7	5.8	10
158	Stereocomplexed poly(limonene carbonate): a unique example of the cocrystallization of amorphous enantiomeric polymers. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1215-8	16.4	117
157	Stereocomplexed Poly(Limonene Carbonate): A Unique Example of the Cocrystallization of Amorphous Enantiomeric Polymers. <i>Angewandte Chemie</i> , 2015 , 127, 1231-1234	3.6	33
156	Titanium(IV) catalysts with ancillary imino-spiroketonato ligands: synthesis, structure and olefin polymerization. <i>Dalton Transactions</i> , 2015 , 44, 12265-72	4.3	3
155	Alternating copolymerization of propylene oxide with biorenewable terpene-based cyclic anhydrides: a sustainable route to aliphatic polyesters with high glass transition temperatures. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2665-8	16.4	109

154	Mechanoactivation of Spiropyran Covalently Linked PMMA: Effect of Temperature, Strain Rate, and Deformation Mode. <i>Macromolecules</i> , 2015 , 48, 1335-1342	5.5	52
153	Secondary alkene insertion and precision chain-walking: a new route to semicrystalline "polyethylene" from Eblefins by combining two rare catalytic events. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7213-6	16.4	118
152	Poly(propylene succinate): a new polymer stereocomplex. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15897-900	16.4	118
151	Carbonylative enantioselective meso-desymmetrization of cis-epoxides to trans-lactones: effect of salen-ligand electronic variation on enantioselectivity. <i>Chemical Communications</i> , 2014 , 50, 9842-5	5.8	24
150	Alternating copolymerization of dihydrocoumarin and epoxides catalyzed by chromium salen complexes: a new route to functional polyesters. <i>Chemical Communications</i> , 2014 , 50, 6322-5	5.8	35
149	Enantioenriched lactone and aldol-type products from regiodivergent carbonylation of racemic cis-epoxides. <i>Chemical Science</i> , 2014 , 5, 1928	9.4	28
148	An electrochemical quartz crystal microbalance study of a prospective alkaline anion exchange membrane material for fuel cells: anion exchange dynamics and membrane swelling. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5309-22	16.4	34
147	Copolymerization of CO ₂ and meso epoxides using enantioselective Eeliminate catalysts: a route to highly isotactic polycarbonates. <i>Chemical Science</i> , 2014 , 5, 4004	9.4	95
146	Carbonylation of cis-disubstituted epoxides to trans-lactones: catalysts displaying steric and contrasteric regioselectivity. <i>Journal of Organic Chemistry</i> , 2014 , 79, 11851-62	4.2	15
145	Total synthesis of tetrahydrolipstatin and stereoisomers via a highly regio- and diastereoselective carbonylation of epoxyhomoallylic alcohols. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10814-20	16.4	46
144	Stereoselective epoxide polymerization and copolymerization. <i>Chemical Reviews</i> , 2014 , 114, 8129-52	68.1	276
143	Suppression of lithium dendrite growth using cross-linked polyethylene/poly(ethylene oxide) electrolytes: a new approach for practical lithium-metal polymer batteries. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7395-402	16.4	600
142	Investigating polypropylene-poly(ethylene oxide)-polypropylene triblock copolymers as solid polymer electrolytes for lithium batteries. <i>Solid State Ionics</i> , 2014 , 263, 87-94	3.3	58
141	Regioselective carbonylation of trans-disubstituted epoxides to lactones: a viable entry into syn-aldol-type products. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10930-3	16.4	45
140	Synthesis and polymerization of bicyclic ketals: a practical route to high-molecular weight polyketals. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10974-7	16.4	11
139	Propylene polymerization by C1-symmetric {ONNO?}-type salen zirconium complexes. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 593-600	2.5	9
138	Small angle X-ray scattering investigation of norbornene-terminated syndiotactic polypropylene and corresponding comb-like poly(macromonomer). <i>Journal of Physical Chemistry B</i> , 2013 , 117, 10320-33	3.4	9
137	Enantioselective polymerization of epoxides using biaryl-linked bimetallic cobalt catalysts: a mechanistic study. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18901-11	16.4	76

136	Synthesis and Ring-Opening Metathesis Polymerization of Norbornene-Terminated Syndiotactic Polypropylene. <i>Macromolecules</i> , 2012 , 45, 7863-7877	5.5	31
135	Synthesis and Polymerization of Norbornenyl-Terminated Multiblock Poly(cyclohexene carbonate)s: A Consecutive Ring-Opening Polymerization Route to Multisegmented Graft Polycarbonates. <i>Macromolecules</i> , 2012 , 45, 7878-7883	5.5	46
134	Tough and Elastic Thermoplastic Organogels and Elastomers Made of Semicrystalline Polyolefin-Based Block Copolymers. <i>Macromolecules</i> , 2012 , 45, 5604-5618	5.5	34
133	Phosphonium-functionalized polyethylene: a new class of base-stable alkaline anion exchange membranes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18161-4	16.4	364
132	Living Alkene Polymerization for Polyolefin Architectures 2011 , 267-316		4
131	Coordination Polymerization: Synthesis of New Homo- and Copolymer Architectures from Ethylene and Propylene Using Homogeneous Ziegler-Natta Polymerization Catalysts 2011 , 217-247		6
130	Exploration of Cocatalyst Effects on a Bimetallic Cobalt Catalyst System: Enhanced Activity and Enantioselectivity in Epoxide Polymerization. <i>Macromolecules</i> , 2011 , 44, 5666-5670	5.5	32
129	Metal-catalyzed synthesis of alternating copolymers. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 169-85	4.8	92
128	Access to oxetane-containing psico-nucleosides from 2-methyleneoxetanes: a role for neighboring group participation?. <i>Journal of Organic Chemistry</i> , 2011 , 76, 9962-74	4.2	22
127	Isotactic Polypropylene with (3,1) Chain-Walking Defects: Characterization, Crystallization, and Melting Behaviors. <i>Macromolecules</i> , 2011 , 44, 3436-3451	5.5	35
126	Tailored Living Block Copolymerization: Multiblock Poly(cyclohexene carbonate)s with Sequence Control. <i>Macromolecules</i> , 2011 , 44, 1110-1113	5.5	96
125	De novo asymmetric synthesis of fridamycin E. <i>Organic Letters</i> , 2011 , 13, 6592-5	6.2	27
124	A catalytic route to ampakines and their derivatives. <i>Organic Letters</i> , 2011 , 13, 1426-8	6.2	20
123	Ring-opening copolymerization of maleic anhydride with epoxides: a chain-growth approach to unsaturated polyesters. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10724-7	16.4	190
122	Tunable high performance cross-linked alkaline anion exchange membranes for fuel cell applications. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3400-4	16.4	392
121	Step-Cycle Mechanical Processing of Gels of sPP-b-EPR-b-sPP Triblock Copolymer in Mineral Oil. <i>Macromolecules</i> , 2010 , 43, 6782-6788	5.5	32
120	Carbonylative polymerization of propylene oxide: a multicatalytic approach to the synthesis of poly(3-hydroxybutyrate). <i>Journal of the American Chemical Society</i> , 2010 , 132, 11412-3	16.4	53
119	Solvent Processable Tetraalkylammonium-Functionalized Polyethylene for Use as an Alkaline Anion Exchange Membrane. <i>Macromolecules</i> , 2010 , 43, 7147-7150	5.5	108

118	Homogeneous Catalyst Design for the Synthesis of Aliphatic Polycarbonates and Polyesters 2010 , 343	2	
117	Enantioselective epoxide polymerization using a bimetallic cobalt catalyst. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16520-5	16.4	107
116	Isospecific polymerization of racemic epoxides: a catalyst system for the synthesis of highly isotactic polyethers. <i>Chemical Communications</i> , 2010 , 46, 2935-7	5.8	44
115	Processing-structure-mechanical property relationships of semicrystalline polyolefin-based block copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010 , 48, 1428-1437	2.6	35
114	Rapid prototyping of nanofluidic systems using size-reduced electrospun nanofibers for biomolecular analysis. <i>Small</i> , 2010 , 6, 2420-6	11	14
113	Cyclopolymerization of Nonconjugated Dienes with a Tridentate Phenoxyamine Hafnium Complex Supported by an sp(3) -C Donor: Isotactic Enchainment and Diastereoselective cis-Ring Closure. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 1900-6	4.8	28
112	Polymerization of enantiopure monomers using syndiospecific catalysts: a new approach to sequence control in polymer synthesis. <i>Journal of the American Chemical Society</i> , 2009 , 131, 16042-4	16.4	205
111	Polymerization of 1-Octene by a Pyridylamidohafnium Catalyst: A SEC, ¹ H NMR and Small Angle Neutron Scattering Study. <i>Macromolecules</i> , 2009 , 42, 1083-1090	5.5	13
110	New facets of an old ligand: titanium and zirconium complexes of phenylenediamine bis(phenolate) in lactide polymerisation catalysis. <i>Chemical Communications</i> , 2009 , 6804-6	5.8	111
109	A ring-opening metathesis polymerization route to alkaline anion exchange membranes: development of hydroxide-conducting thin films from an ammonium-functionalized monomer. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12888-9	16.4	193
108	Beta-amidoaldehydes via oxazoline hydroformylation. <i>Chemical Communications</i> , 2009 , 5704-6	5.8	20
107	On the mechanism of isospecific epoxide polymerization by salen cobalt(III) complexes: evidence for solid-state catalysis. <i>Dalton Transactions</i> , 2009 , 8828-30	4.3	41
106	Low Pressure Carbonylation of Epoxides to ϵ -Lactones 2009 , 287-297		
105	Enantioselective polymerization of epoxides: a highly active and selective catalyst for the preparation of stereoregular polyethers and enantiopure epoxides. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17658-9	16.4	145
104	C ₂ -Symmetric Ni(II) β -Diimines Featuring Cumyl-Derived Ligands: Synthesis of Improved Elastomeric Regioblock Polypropylenes. <i>Macromolecules</i> , 2008 , 41, 9548-9555	5.5	93
103	Poly(ethylene-co-propylene macromonomer)s: Synthesis and Evidence for Starlike Conformations in Dilute Solution. <i>Macromolecules</i> , 2008 , 41, 559-567	5.5	27
102	Synthesis of a new olefin polymerization catalyst supported by an sp ³ -C donor via insertion of a ligand-appended alkene into the Hf-C bond of a neutral pyridylamidohafnium trimethyl complex. <i>Chemical Communications</i> , 2008 , 6137-9	5.8	39
101	Fluorinated bis(phenoxyketimine)titanium complexes for the living, isoselective polymerization of propylene: multiblock isotactic polypropylene copolymers via sequential monomer addition. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4968-77	16.4	109

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