

Robert M Waymouth

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.

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	An mRNA SARS-CoV-2 vaccine employing Charge-Altering Releasable Transporters with a TLR-9 agonist induces neutralizing antibodies and T cell memory 2021 ,		3
281	An mRNA SARS-CoV-2 Vaccine Employing Charge-Altering Releasable Transporters with a TLR-9 Agonist Induces Neutralizing Antibodies and T Cell Memory. <i>ACS Central Science</i> , 2021 , 7, 1191-1204	16.8	8
280	Photocleavable Regenerative Network Materials with Exceptional and Repeatable Viscoelastic Manipulability. <i>Advanced Science</i> , 2021 , 8, e2101143	13.6	5
279	Electron-Rich Phenoxy Mediators Improve Thermodynamic Performance of Electrocatalytic Alcohol Oxidation with an Iridium Pincer Complex. <i>Journal of the American Chemical Society</i> , 2020 , 142, 19368-19378	16.4	7
278	Synthesis and mechanistic investigations of pH-responsive cationic poly(aminoester)s. <i>Chemical Science</i> , 2020 , 11, 2951-2966	9.4	8
277	Electrocatalytic Alcohol Oxidation with Iron-Based Acceptorless Alcohol Dehydrogenation Catalyst. <i>Inorganic Chemistry</i> , 2020 , 59, 1453-1460	5.1	10
276	Ultrafast and Controlled Ring-Opening Polymerization with Sterically Hindered Strong Bases. <i>Macromolecules</i> , 2020 , 53, 9000-9007	5.5	2
275	Condensing water vapor to droplets generates hydrogen peroxide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 30934-30941	11.5	28
274	Electroreduction of Benzaldehyde with a Metal-Ligand Bifunctional Hydroxycyclopentadienyl Molybdenum(II) Hydride. <i>Organometallics</i> , 2020 , 39, 4415-4419	3.8	3
273	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
272	Charge-altering releasable transporters enable phenotypic manipulation of natural killer cells for cancer immunotherapy. <i>Blood Advances</i> , 2020 , 4, 4244-4255	7.8	12
271	Electrochemically Regenerable Hydrogen Atom Acceptors: Mediators in Electrocatalytic Alcohol Oxidation Reactions. <i>ACS Catalysis</i> , 2020 , 10, 11654-11662	13.1	9
270	Spontaneous generation of hydrogen peroxide from aqueous microdroplets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 19294-19298	11.5	119
269	Local Delivery of , , and mRNA Kindles Global Anticancer Immunity. <i>Cancer Research</i> , 2019 , 79, 1624-1634	10.1	50
268	Dual catalysis for the copolymerisation of epoxides and lactones. <i>Chemical Communications</i> , 2019 , 55, 6914-6917	5.8	16
267	Programmable High-Throughput Platform for the Rapid and Scalable Synthesis of Polyester and Polycarbonate Libraries. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8921-8927	16.4	45
266	Effect of Redox Active Ligands on the Electrochemical Properties of Manganese Tricarbonyl Complexes. <i>Inorganic Chemistry</i> , 2019 , 58, 7453-7465	5.1	6

265	Oligo(serine ester) Charge-Altering Releasable Transporters: Organocatalytic Ring-Opening Polymerization and their Use for in Vitro and in Vivo mRNA Delivery. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8416-8421	16.4	34
264	Block copolymer composition drives function of self-assembled nanoparticles for delivery of small-molecule cargo. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 1322-1332	2.5	13
263	Reactivity of NO with Porous and Conductive Copper Azobispyridine Metallopolymers. <i>Inorganic Chemistry</i> , 2019 , 58, 10856-10860	5.1	3
262	Reversible RNA acylation for control of CRISPR-Cas9 gene editing. <i>Chemical Science</i> , 2019 , 11, 1011-1016	9.4	22
261	Mechanistic Study of Ruthenium-Catalyzed C-H Hydroxylation Reveals an Unexpected Pathway for Catalyst Arrest. <i>Journal of the American Chemical Society</i> , 2019 , 141, 972-980	16.4	13
260	X-ray Absorption Spectroscopy and Theoretical Investigation of the Reductive Protonation of Cyclopentadienyl Cobalt Compounds. <i>Inorganic Chemistry</i> , 2019 , 58, 1167-1176	5.1	
259	Transfer Hydrogenation of Aldehydes, Allylic Alcohols, Ketones, and Imines Using Molybdenum Cyclopentadienone Complexes. <i>Organometallics</i> , 2018 , 37, 1428-1431	3.8	16
258	Organic Ring-Opening Polymerization Catalysts: Reactivity Control by Balancing Acidity. <i>Macromolecules</i> , 2018 , 51, 2932-2938	5.5	73
257	Functional DNA Delivery Enabled by Lipid-Modified Charge-Altering Releasable Transporters (CARTs). <i>Biomacromolecules</i> , 2018 , 19, 2812-2824	6.9	19
256	Catalysis as an Enabling Science for Sustainable Polymers. <i>Chemical Reviews</i> , 2018 , 118, 839-885	68.1	422
255	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
254	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
253	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
252	Pd-Catalyzed Aerobic Oxidation Reactions: Strategies To Increase Catalyst Lifetimes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 748-757	16.4	25
251	Delivery of Inorganic Polyphosphate into Cells Using Amphipathic Oligocarbonate Transporters. <i>ACS Central Science</i> , 2018 , 4, 1394-1402	16.8	11
250	Protonation of a Cobalt Phenylazopyridine Complex at the Ligand Yields a Proton, Hydride, and Hydrogen Atom Transfer Reagent. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13233-13241	16.4	8
249	Synthesis, Characterization, and Reactivity of Hydroxycyclopentadienyl Cobalt Complexes. <i>Organometallics</i> , 2018 , 37, 3298-3302	3.8	0
248	Carving Out Pores in Redox-Active One-Dimensional Coordination Polymers. <i>Angewandte Chemie</i> , 2018 , 130, 14793-14796	3.6	2

- 247 Carving Out Pores in Redox-Active One-Dimensional Coordination Polymers. *Angewandte Chemie - International Edition*, **2018**, 57, 14585-14588 16.4 7
- 246 mRNA vaccination with charge-altering releasable transporters elicits human T cell responses and cures established tumors in mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E9153-E9161 11.5 60
- 245 Ligand-Induced Reductive Elimination of Ethane from Azopyridine Palladium Dimethyl Complexes. *Journal of the American Chemical Society*, **2018**, 140, 11408-11415 16.4 12
- 244 Urea Anions: Simple, Fast, and Selective Catalysts for Ring-Opening Polymerizations. *Journal of the American Chemical Society*, **2017**, 139, 1645-1652 16.4 149
- 243 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
- 242 1,2-Dithiolane-Derived Dynamic, Covalent Materials: Cooperative Self-Assembly and Reversible Cross-Linking. *Journal of the American Chemical Society*, **2017**, 139, 3822-3833 16.4 107
- 241 Multielectron Transfer at Cobalt: Influence of the Phenylazopyridine Ligand. *Journal of the American Chemical Society*, **2017**, 139, 4540-4550 16.4 25
- 240 Recent progress on the synthesis of cyclic polymers via ring-expansion strategies. *Journal of Polymer Science Part A*, **2017**, 55, 2892-2902 2.5 79
- 239 Cyclopentadienyl Cobalt Complexes as Precatalysts for Electrocatalytic Hydrogen Evolution. *European Journal of Inorganic Chemistry*, **2017**, 2017, 2755-2761 2.3 10
- 238 Electrocatalytic Alcohol Oxidation with Ruthenium Transfer Hydrogenation Catalysts. *Journal of the American Chemical Society*, **2017**, 139, 738-748 16.4 31
- 237 Formation of Polymeric Nanocubes by Self-Assembly and Crystallization of Dithiolane-Containing Triblock Copolymers. *Angewandte Chemie - International Edition*, **2017**, 56, 16357-16362 16.4 23
- 236 Mechanism of Catalytic Oxidation of Styrenes with Hydrogen Peroxide in the Presence of Cationic Palladium(II) Complexes. *Journal of the American Chemical Society*, **2017**, 139, 12495-12503 16.4 34
- 235 Formation of Polymeric Nanocubes by Self-Assembly and Crystallization of Dithiolane-Containing Triblock Copolymers. *Angewandte Chemie*, **2017**, 129, 16575-16580 3.6 7
- 234 Expanding the range of polyhydroxyalkanoates synthesized by methanotrophic bacteria through the utilization of omega-hydroxyalkanoate co-substrates. *AMB Express*, **2017**, 7, 118 4.1 38
- 233 Catalytic Carbonylative Spirolactonization of Hydroxycyclopropanols. *Journal of the American Chemical Society*, **2016**, 138, 10693-9 16.4 75
- 232 Fast and selective ring-opening polymerizations by alkoxides and thioureas. *Nature Chemistry*, **2016**, 8, 1047-1053 17.6 172
- 231 Reversible Electropolymerization of Nickel Complexes Based on Redox-Mediated Ligand Exchange. *ChemistrySelect*, **2016**, 1, 3491-3496 1.8 3
- 230 Selective Catalytic Oxidation of Unprotected Carbohydrates. *ACS Catalysis*, **2016**, 6, 4653-4659 13.1 34

229	Methane or methanol-oxidation dependent synthesis of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by obligate type II methanotrophs. <i>Process Biochemistry</i> , 2016 , 51, 561-567	4.8	34
228	Experimental and Theoretical Study of CO ₂ Insertion into Ruthenium Hydride Complexes. <i>Inorganic Chemistry</i> , 2016 , 55, 1623-32	5.1	36
227	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
226	Bioorthogonal Catalysis: A General Method To Evaluate Metal-Catalyzed Reactions in Real Time in Living Systems Using a Cellular Luciferase Reporter System. <i>Bioconjugate Chemistry</i> , 2016 , 27, 376-82	6.3	49
225	Zwitterionic Ring-Opening Polymerization of N-Substituted Eight-Membered Cyclic Carbonates to Generate Cyclic Poly(carbonate)s. <i>ACS Macro Letters</i> , 2016 , 5, 1162-1166	6.6	25
224	Poly(hydroxyalkanoate)s from Waste Biomass: A Combined Chemical/Biological Approach. <i>ChemistrySelect</i> , 2016 , 1, 2327-2331	1.8	11
223	Cyclopropenimine Superbases: Competitive Initiation Processes in Lactide Polymerization. <i>ACS Macro Letters</i> , 2015 , 4, 853-856	6.6	32
222	Structurally dynamic hydrogels derived from 1,2-dithiolanes. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5650-3	16.4	110
221	N-Heterocyclic Carbene-Catalyzed Ring Opening Polymerization of ϵ -Caprolactone with and without Alcohol Initiators: Insights from Theory and Experiment. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 5728-37	3.4	32
220	Catalytic Dimerization of Crotonates. <i>ACS Catalysis</i> , 2015 , 5, 5328-5332	13.1	23
219	Catalytic Role of Multinuclear Palladium-Oxygen Intermediates in Aerobic Oxidation Followed by Hydrogen Peroxide Disproportionation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13632-46	16.4	46
218	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
217	Electrooxidation of Alcohols with Electrode-Supported Transfer Hydrogenation Catalysts. <i>ACS Catalysis</i> , 2015 , 5, 7343-7349	13.1	6
216	Organocatalytic Ring-Opening Polymerization of Trimethylene Carbonate To Yield a Biodegradable Polycarbonate. <i>Journal of Chemical Education</i> , 2015 , 92, 708-713	2.4	23
215	Ion pairing effects in the zwitterionic ring opening polymerization of ϵ -valerolactone. <i>Polymer Chemistry</i> , 2015 , 6, 5212-5218	4.9	28
214	Titanium Bis(amidates) Bearing Electron Donating Pendant Arms as Catalysts for Stereospecific Polymerization of Propylene. <i>Organometallics</i> , 2014 , 33, 840-843	3.8	13
213	Trinuclear Pd ⁰ Intermediate in aerobic oxidation catalysis. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5648-52	16.4	36
212	Experimental and computational studies on the mechanism of zwitterionic ring-opening polymerization of ϵ -valerolactone with N-heterocyclic carbenes. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 6553-60	3.4	48

211	Disassembly and reassembly of polyhydroxyalkanoates: recycling through abiotic depolymerization and biotic repolymerization. <i>Bioresource Technology</i> , 2014 , 170, 167-174	11	27
210	Zwitterionic Ring-Opening Polymerization: Models for Kinetics of Cyclic Poly(caprolactone) Synthesis. <i>Macromolecules</i> , 2014 , 47, 2955-2963	5.5	56
209	Organocatalytic ring-opening polymerization of morpholinones: new strategies to functionalized polyesters. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9252-5	16.4	46
208	Trinuclear Pd ₃ O ₂ Intermediate in Aerobic Oxidation Catalysis. <i>Angewandte Chemie</i> , 2014 , 126, 5754-5758	3.6	9
207	Synthesis and Topological Trapping of Cyclic Poly(alkylene phosphates). <i>Macromolecules</i> , 2014 , 47, 8224-8230	5.9	44
206	Zwitterionic Ring Opening Polymerization with Isothioureas. <i>ACS Macro Letters</i> , 2014 , 3, 1024-1028	6.6	51
205	Chemoselective Oxidation of Polyols with Chiral Palladium Catalysts. <i>Organometallics</i> , 2013 , 32, 2257-2268	5.6	26
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	A Renewable Lignin/Lactide Copolymer and Application in Biobased Composites. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 1231-1238	8.3	229
202	Octahedral Group IV Bis(phenolate) Catalysts for 1-Hexene Homopolymerization and Ethylene/1-Hexene Copolymerization. <i>Macromolecules</i> , 2013 , 46, 2569-2575	5.5	25
201	Polymerizing Base Sensitive Cyclic Carbonates Using Acid Catalysis.. <i>ACS Macro Letters</i> , 2013 , 2, 306-312	6.6	73
200	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
199	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
198	Electrooxidation of alcohols catalyzed by amino alcohol ligated ruthenium complexes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14299-305	16.4	35
197	Amidine-Mediated Zwitterionic Polymerization of Lactide. <i>ACS Macro Letters</i> , 2012 , 1, 1113-1115	6.6	121
196	Stereocomplexation in Cyclic and Linear Polylactide Blends. <i>Macromolecules</i> , 2012 , 45, 595-598	5.5	62
195	Semicrystalline Dihydroxyacetone Copolymers Derived from Glycerol. <i>Macromolecules</i> , 2012 , 45, 9275-9281	5.6	28
194	Organocatalytic synthesis of quinine-functionalized poly(carbonate)s. <i>Biomacromolecules</i> , 2012 , 13, 2483-9	3.9	33

193	Facile Synthesis of Functionalized Lactones and Organocatalytic Ring-Opening Polymerization. <i>ACS Macro Letters</i> , 2012 , 1, 845-847	6.6	47
192	Stereoselective and regioselective propylene polymerization with group 4 bisphenolate ether complexes. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 2604-2611	2.5	12
191	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
190	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
189	Oxidatively Resistant Ligands for Palladium-Catalyzed Aerobic Alcohol Oxidation. <i>Organometallics</i> , 2011 , 30, 1445-1453	3.8	37
188	Crystallization of Cyclic Polymers: Synthesis and Crystallization Behavior of High Molecular Weight Cyclic Poly(ϵ -prolactone)s. <i>Macromolecules</i> , 2011 , 44, 2773-2779	5.5	136
187	Organocatalytic depolymerization of poly(ethylene terephthalate). <i>Journal of Polymer Science Part A</i> , 2011 , 49, 1273-1281	2.5	105
186	Palladium-Catalyzed Carbonylation of Diols to Cyclic Carbonates. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 3007-3013	5.6	30
185	Synthesis and Structural Diversity of Mono-, Di- and Trinuclear Complexes with N,N'-Bis[(2-diphenylphosphanyl)phenyl]formamidine. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 4256-4261	2.3	12
184	Zwitterionic Copolymerization: Synthesis of Cyclic Gradient Copolymers. <i>Angewandte Chemie</i> , 2011 , 123, 6512-6515	3.6	14
183	Zwitterionic copolymerization: synthesis of cyclic gradient copolymers. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6388-91	16.4	124
182	Polycondensation of butenediol: synthesis of telechelic 2-butene-1,4-diol oligomers. <i>Journal of the American Chemical Society</i> , 2011 , 133, 16390-3	16.4	12
181	Thermoresponsive nanostructured polycarbonate block copolymers as biodegradable therapeutic delivery carriers. <i>Biomaterials</i> , 2011 , 32, 5505-14	15.6	97
180	Selective Ethylene Oligomerization in the Presence of ZnR ₂ : Synthesis of Terminally-Functionalized Ethylene Oligomers. <i>Organometallics</i> , 2010 , 29, 3515-3520	3.8	14
179	Lithium furyl and pyridyl amidinates as building blocks in coordination polymers, ladder and cage structures. <i>Inorganic Chemistry</i> , 2010 , 49, 1220-9	5.1	30
178	Acyclic Guanidines as Organic Catalysts for Living Polymerization of Lactide. <i>Macromolecules</i> , 2010 , 43, 1660-1664	5.5	67
177	Kinetics of an Air- and Water-Stable Ruthenium(IV) Catalyst for the Deprotection of Allyl Alcohol in Water. <i>Organometallics</i> , 2010 , 29, 6051-6056	3.8	12
176	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

175	Organocatalysis: Opportunities and Challenges for Polymer Synthesis. <i>Macromolecules</i> , 2010 , 43, 2093-2107	3.9	700
174	The Depolymerization of Poly(ethylene terephthalate) (PET) Using N-Heterocyclic Carbenes from Ionic Liquids. <i>Journal of Chemical Education</i> , 2010 , 87, 519-521	2.4	34
173	Mono- and bis-amidinate 2,6-xylylimido vanadium chlorides: synthesis, structure, and reactivity. <i>Dalton Transactions</i> , 2010 , 39, 5643-9	4.3	8
172	Chemoselectivity diversity in the reaction of LiNC ₆ F ₅ SiMe ₃ with nitriles and the synthesis, structure, and reactivity of zirconium mono- and tris[2-(2-pyridyl)tetrafluorobenzimidazole] complexes. <i>Inorganic Chemistry</i> , 2010 , 49, 9217-29	5.1	19
171	Selective Catalytic Oxidation of Glycerol to Dihydroxyacetone. <i>Angewandte Chemie</i> , 2010 , 122, 9646-9649	4.6	20
170	Selective catalytic oxidation of glycerol to dihydroxyacetone. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9456-9	16.4	116
169	Stereospecific styrene polymerization and ethylene-styrene copolymerization with titanocenes containing a pendant amine donor. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 1579-1585	2.5	12
168	Hierarchical supermolecular structures for sustained drug release. <i>Small</i> , 2009 , 5, 1504-7	11	45
167	Mechanistic Studies of the Oxidative Dehydrogenation of Methanol Using a Cationic Palladium Complex. <i>Organometallics</i> , 2009 , 28, 3896-3900	3.8	26
166	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
165	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
164	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
163	N-Heterocyclic Carbenes for the Organocatalytic Ring-Opening Polymerization of ε-Caprolactone. <i>Macromolecules</i> , 2009 , 42, 1634-1639	5.5	139
162	Mixed Micelle Formation through Stereocomplexation between Enantiomeric Poly(lactide) Block Copolymers. <i>Macromolecules</i> , 2009 , 42, 25-29	5.5	109
161	Cyclic guanidine organic catalysts: what is magic about triazabicyclodecene?. <i>Journal of Organic Chemistry</i> , 2009 , 74, 9490-6	4.2	146
160	Propylene Polymerization with Cyclopentadienyltitanium(IV) Hydroxylaminate Complexes. <i>Organometallics</i> , 2009 , 28, 405-412	3.8	18
159	Hierarchical assembly of nanostructured organosilicate networks via stereocomplexation of block copolymers. <i>Nano Letters</i> , 2008 , 8, 294-301	11.5	38
158	Organocatalytic approach to amphiphilic comb-block copolymers capable of stereocomplexation and self-assembly. <i>Biomacromolecules</i> , 2008 , 9, 3051-6	6.9	93

157	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
156	New bimetallic complexes of late transition metals involving pyrazole-bridged bis N-heterocyclic carbene ligands. <i>Dalton Transactions</i> , 2008 , 437-9	4.3	37
155	Structure-Reactivity Relationships of Amido-Pyridine-Supported Rare-Earth-Metal Alkyl Complexes. <i>Organometallics</i> , 2008 , 27, 4310-4317	3.8	38
154	Copolymerization of Styrene and Ethylene at High Temperature with Titanocenes Containing a Pendant Amine Donor. <i>Macromolecules</i> , 2008 , 41, 9663-9668	5.5	16
153	Group Transfer Polymerization of Acrylates Catalyzed by N-Heterocyclic Carbenes. <i>Macromolecules</i> , 2008 , 41, 7399-7404	5.5	103
152	Application of block-copolymer supramolecular assembly for the fabrication of complex TiO ₂ nanostructures. <i>Small</i> , 2008 , 4, 2162-5	11	11
151	Copolymerization behavior of titanium imidazolin-2-iminato complexes. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 6064-6070	2.5	43
150	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
149	N-Alkoxyimidazolylidene Transition-Metal Complexes: Application to [5+2] and [4+2] Cycloaddition Reactions. <i>Organometallics</i> , 2007 , 26, 4541-4545	3.8	42
148	New ground for organic catalysis: a ring-opening polymerization approach to hydrogels. <i>Biomacromolecules</i> , 2007 , 8, 3294-7	6.9	54
147	Aerobic Alcohol Oxidation with Cationic Palladium Complexes: Insights into Catalyst Design and Decomposition. <i>Organometallics</i> , 2007 , 26, 5447-5453	3.8	85
146	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
145	Organocatalytic ring-opening polymerization. <i>Chemical Reviews</i> , 2007 , 107, 5813-40	68.1	1137
144	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
143	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
142	A distinctive organocatalytic approach to complex macromolecular architectures. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4719-21	16.4	48
141	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
140	Synthesis of Biomimetic Poly(hydroxybutyrate): Alkoxy- and Carboxytriazolines as Latent Ionic Initiator. <i>Macromolecules</i> , 2007 , 40, 8560-8567	5.5	32

139	Organocatalytic ring opening polymerization of trimethylene carbonate. <i>Biomacromolecules</i> , 2007 , 8, 153-60	6.9	271
138	Application of solvent-directed assembly of block copolymers to the synthesis of nanostructured materials with low dielectric constants. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6648-52	16.4	25
137	Synthesis, Structure, and Polymerization Activity of a Titanium Complex with a Chelating [(Hydroxy- <i>D</i>)amino- <i>N</i>]phenolato(2- <i>H</i>) Ligand. <i>Helvetica Chimica Acta</i> , 2006 , 89, 1589-1595	2	3
136	Application of Solvent-Directed Assembly of Block Copolymers to the Synthesis of Nanostructured Materials with Low Dielectric Constants. <i>Angewandte Chemie</i> , 2006 , 118, 6800-6804	3.6	5
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2	Charge-Altering Releasable Transporters Enable Specific Phenotypic Manipulation of Resting Primary Natural Killer Cells		2
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