

Mitsuo Sawamoto

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.

259
papers

17,947
citations

57
h-index

129
g-index

263
ext. papers

19,015
ext. citations

5.5
avg, IF

6.9
L-index

#	Paper	IF	Citations
259	Unprecedented Sequence Control and Sequence-Driven Properties in a Series of AB-Alternating Copolymers Consisting Solely of Acrylamide Units. <i>Angewandte Chemie</i> , 2020 , 132, 5231-5239	3.6	0
258	Unprecedented Sequence Control and Sequence-Driven Properties in a Series of AB-Alternating Copolymers Consisting Solely of Acrylamide Units. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 5193-5201	16.4	20
257	Molecular imprinting on amphiphilic folded polymers for selective molecular recognition in water. <i>Journal of Polymer Science</i> , 2020 , 58, 215-224	2.4	2
256	Orthogonal Folding of Amphiphilic/Fluorous Random Block Copolymers for Double and Multicompartment Micelles in Water. <i>ACS Macro Letters</i> , 2019 , 8, 320-325	6.6	13
255	Self-assembly of amphiphilic block pendant polymers as microphase separation materials and folded flower micelles. <i>Polymer Chemistry</i> , 2019 , 10, 4954-4961	4.9	16
254	Design of maleimide monomer for higher level of alternating sequence in radical copolymerization with styrene. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 367-375	2.5	12
253	Smart Catalysis with thermoresponsive ruthenium catalysts for miniemulsion ru-mediated reversible deactivation radical polymerization cocatalyzed by smart iron cocatalysts. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 305-312	2.5	2
252	Self-assembly of amphiphilic ABA random triblock copolymers in water. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 313-321	2.5	5
251	Self-Sorting of Amphiphilic Copolymers for Self-Assembled Materials in Water: Polymers Can Recognize Themselves. <i>Journal of the American Chemical Society</i> , 2019 , 141, 511-519	16.4	24
250	Amphiphilic fluororous random copolymer self-assembly for encapsulation of a fluorinated agrochemical. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 352-359	2.5	8
249	Fluorous Gradient Copolymers via in-Situ Transesterification of a Perfluoromethacrylate in Tandem Living Radical Polymerization: Precision Synthesis and Physical Properties. <i>Macromolecules</i> , 2018 , 51, 864-871	5.5	13
248	Programmed Self-Assembly Systems of Amphiphilic Random Copolymers into Size-Controlled and Thermoresponsive Micelles in Water. <i>Macromolecules</i> , 2018 , 51, 398-409	5.5	71
247	Sequence-controlled polymers via reversible-deactivation radical polymerization. <i>Polymer Journal</i> , 2018 , 50, 83-94	2.7	60
246	Acrylate-Selective Transesterification of Methacrylate/Acrylate Copolymers: Postfunctionalization with Common Acrylates and Alcohols. <i>ACS Macro Letters</i> , 2018 , 7, 997-1002	6.6	17
245	Control of the Alternating Sequence for N-Isopropylacrylamide (NIPAM) and Methacrylic Acid Units in a Copolymer by Cyclopolymerization and Transformation of the Cyclopendant Group. <i>Angewandte Chemie</i> , 2018 , 130, 11071-11075	3.6	8
244	Control of the Alternating Sequence for N-Isopropylacrylamide (NIPAM) and Methacrylic Acid Units in a Copolymer by Cyclopolymerization and Transformation of the Cyclopendant Group. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10905-10909	16.4	43
243	Intramolecular Folding or Intermolecular Self-Assembly of Amphiphilic Random Copolymers: On-Demand Control by Pendant Design. <i>Macromolecules</i> , 2018 , 51, 3738-3745	5.5	36

242	Nanostructured Materials via the Pendant Self-Assembly of Amphiphilic Crystalline Random Copolymers. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8376-8379	16.4	53
241	Amphiphilic PEG-Functionalized Gradient Copolymers via Tandem Catalysis of Living Radical Polymerization and Transesterification. <i>Macromolecules</i> , 2017 , 50, 822-831	5.5	25
240	Precision Synthesis of Imine-Functionalized Reversible Microgel Star Polymers via Dynamic Covalent Cross-Linking of Hydrogen-Bonding Block Copolymer Micelles. <i>Macromolecules</i> , 2017 , 50, 587-596	5.5	18
239	A Study on Physical Properties of Cyclic Poly(vinyl ether)s Synthesized via Ring-Expansion Cationic Polymerization. <i>Macromolecules</i> , 2017 , 50, 841-848	5.5	32
238	Synthesis of fluorinated gradient copolymers via in situ transesterification with fluoroalcohols in tandem living radical polymerization. <i>Polymer Chemistry</i> , 2017 , 8, 2299-2308	4.9	18
237	Expanding vinyl ether monomer repertoire for ring-expansion cationic polymerization: Various cyclic polymers with tailored pendant groups. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 3082-3089	2.5	11
236	Compartmentalization Technologies via Self-Assembly and Cross-Linking of Amphiphilic Random Block Copolymers in Water. <i>Journal of the American Chemical Society</i> , 2017 , 139, 7164-7167	16.4	68
235	50th Anniversary Perspective: Metal-Catalyzed Living Radical Polymerization: Discovery and Perspective. <i>Macromolecules</i> , 2017 , 50, 2603-2614	5.5	101
234	Self-Assembly of Hydrogen-Bonding Gradient Copolymers: Sequence Control via Tandem Living Radical Polymerization with Transesterification. <i>Macromolecules</i> , 2017 , 50, 3215-3223	5.5	23
233	Single-Chain Nanoparticles via Self-Folding Amphiphilic Copolymers in Water 2017 , 313-339		17
232	Macromol. Chem. Phys. 18/2017. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218,	2.6	1
231	Self-Folding Polymer Iron Catalysts for Living Radical Polymerization. <i>ACS Macro Letters</i> , 2017 , 6, 830-835.6		53
230	Self-Assembly of Amphiphilic Random Copolyacrylamides into Uniform and Necklace Micelles in Water. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1700230	2.6	35
229	Fluorous Comonomer Modulates the Reactivity of Cyclic Ketene Acetal and Degradation of Vinyl Polymers. <i>Macromolecules</i> , 2017 , 50, 9222-9232	5.5	28
228	Self-assembly of PEG/dodecyl-graft amphiphilic copolymers in water: consequences of the monomer sequence and chain flexibility on uniform micelles. <i>Polymer Chemistry</i> , 2017 , 8, 7248-7259	4.9	62
227	Cyclopolymerization of Cleavable Acrylate-Vinyl Ether Divinyl Monomer via Nitroxide-Mediated Radical Polymerization: Copolymer beyond Reactivity Ratio. <i>ACS Macro Letters</i> , 2017 , 6, 754-757	6.6	19
226	Ring-expansion cationic polymerization of vinyl ethers. <i>Polymer Chemistry</i> , 2017 , 8, 4970-4977	4.9	21
225	Self-Assembly of Amphiphilic Random Copolymers: Precision Nanoaggregates Controlled by Primary Structure. <i>Kobunshi Ronbunshu</i> , 2017 , 74, 265-277	0	2

224	Protein storage with perfluorinated PEG compartments in a hydrofluorocarbon solvent. <i>Polymer Chemistry</i> , 2016 , 7, 6694-6698	4.9	29
223	Polyacrylamide pseudo crown ethers via hydrogen bond-assisted cyclopolymerization. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 3294-3302	2.5	9
222	Ferrocene cocatalysis for ruthenium-catalyzed radical miniemulsion polymerization. <i>Polymer</i> , 2016 , 106, 313-319	3.9	1
221	A convergent approach to ring polymers with narrow molecular weight distributions through post dilution in ring expansion cationic polymerization. <i>Polymer Chemistry</i> , 2016 , 7, 6911-6917	4.9	16
220	Periodic introduction of a Hamilton receptor into a polystyrene backbone for a supramolecular graft copolymer with regular intervals. <i>Polymer Chemistry</i> , 2016 , 7, 7152-7160	4.9	2
219	Alternating Sequence Control for Carboxylic Acid and Hydroxy Pendant Groups by Controlled Radical Cyclopolymerization of a Divinyl Monomer Carrying a Cleavable Spacer. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14584-14589	16.4	52
218	Alternating Sequence Control for Carboxylic Acid and Hydroxy Pendant Groups by Controlled Radical Cyclopolymerization of a Divinyl Monomer Carrying a Cleavable Spacer. <i>Angewandte Chemie</i> , 2016 , 128, 14804-14809	3.6	16
217	Macromol. Rapid Commun. 17/2016. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1476-1476	4.8	
216	Multimode Self-Folding Polymers via Reversible and Thermoresponsive Self-Assembly of Amphiphilic/Fluorous Random Copolymers. <i>Macromolecules</i> , 2016 , 49, 4534-4543	5.5	69
215	Iterative Radical Addition with a Special Monomer Carrying Bulky and Convertible Pendant: A New Concept toward Controlling the Sequence for Vinyl Polymers. <i>ACS Macro Letters</i> , 2016 , 5, 745-749	6.6	43
214	Design of a hydrophilic ruthenium catalyst for metal-catalyzed living radical polymerization: highly active catalysis in water. <i>RSC Advances</i> , 2016 , 6, 6577-6582	3.7	9
213	Precision Self-Assembly of Amphiphilic Random Copolymers into Uniform and Self-Sorting Nanocompartments in Water. <i>Macromolecules</i> , 2016 , 49, 5084-5091	5.5	100
212	A strategy for sequence control in vinyl polymers via iterative controlled radical cyclization. <i>Nature Communications</i> , 2016 , 7, 11064	17.4	88
211	Cationic Cp* Ruthenium Catalysts for Metal-Catalyzed Living Radical Polymerization: Cocatalyst-Independent Catalysis Tuned by Counteranion. <i>Macromolecules</i> , 2016 , 49, 2962-2970	5.5	7
210	Terminal-Selective Transesterification of Chlorine-Capped Poly(Methyl Methacrylate)s: A Modular Approach to Telechelic and Pinpoint-Functionalized Polymers. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5012-5	16.4	21
209	Sequence Analysis for Alternating Copolymers by MALDI-TOF-MS: Importance of Initiator Selectivity for Comonomer Pair. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1414-20	4.8	17
208	Amphiphilic Random Copolymers with Hydrophobic/Hydrogen-Bonding Urea Pendants: Self-Folding Polymers in Aqueous and Organic Media. <i>Macromolecules</i> , 2016 , 49, 7917-7927	5.5	56
207	Shuttling Catalyst for Living Radical Miniemulsion Polymerization: Thermoresponsive Ligand for Efficient Catalysis and Removal. <i>ACS Macro Letters</i> , 2015 , 4, 628-631	6.6	11

206	Ferrocene Cocatalysis for Iron-Catalyzed Living Radical Polymerization: Active, Robust, and Sustainable System under Concerted Catalysis by Two Iron Complexes. <i>Macromolecules</i> , 2015 , 48, 4294-4300	5.5	24
205	Star Polymer Gels with Fluorinated Microgels via Star-Star Coupling and Cross-Linking for Water Purification. <i>ACS Macro Letters</i> , 2015 , 4, 377-380	6.6	18
204	Ring-Expansion Living Cationic Polymerization of Vinyl Ethers: Optimized Ring Propagation. <i>Macromolecular Symposia</i> , 2015 , 350, 105-116	0.8	13
203	A thermoresponsive polymer supporter for concerted catalysis of ferrocene with a ruthenium catalyst in living radical polymerization: high activity and efficient removal of metal residues. <i>Polymer Chemistry</i> , 2015 , 6, 7821-7826	4.9	8
202	Single-chain crosslinked star polymers via intramolecular crosslinking of self-folding amphiphilic copolymers in water. <i>Polymer Journal</i> , 2015 , 47, 667-677	2.7	40
201	LCST-Type Phase Separation of Poly[poly(ethylene glycol) methyl ether methacrylate]s in Hydrofluorocarbon. <i>ACS Macro Letters</i> , 2015 , 4, 1366-1369	6.6	17
200	Amphiphilic/fluorous random copolymers as a new class of non-cytotoxic polymeric materials for protein conjugation. <i>Polymer Chemistry</i> , 2015 , 6, 240-247	4.9	58
199	Ring-Expansion Living Cationic Polymerization of Vinyl Ethers. <i>Kobunshi Ronbunshu</i> , 2015 , 72, 468-479	0	
198	Design and Functions of Fluorous Nanospaces with Microgel Star Polymers and Amphiphilic Random Copolymers. <i>Kobunshi Ronbunshu</i> , 2015 , 72, 691-706	0	
197	Synthesis of Amphiphilic Three-Armed Star Random Copolymers via Living Radical Polymerization and their Unimolecular Folding Properties in Water. <i>Macromolecular Symposia</i> , 2015 , 350, 76-85	0.8	24
196	Fluorinated microgel star polymers as fluorous nanocapsules for the encapsulation and release of perfluorinated compounds. <i>Polymer Chemistry</i> , 2015 , 6, 5663-5674	4.9	12
195	Selective Single Monomer Radical Addition via Template-Assisted Ring Closure: A Feasibility Study toward Sequence Control in Vinyl Polymers with Peptide Templates. <i>ACS Symposium Series</i> , 2014 , 149-160	0.4	2
194	Fluorous microgel star polymers: selective recognition and separation of polyfluorinated surfactants and compounds in water. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15742-8	16.4	61
193	Synthesis and Single-Chain Folding of Amphiphilic Random Copolymers in Water. <i>Macromolecules</i> , 2014 , 47, 589-600	5.5	163
192	Core-imprinted Star Polymers via Living Radical Polymerization: Precision Cavity Microgels for Selective Molecular Recognition. <i>Chemistry Letters</i> , 2014 , 43, 1690-1692	1.7	7
191	Sequence-Regulated Polymers via Living Radical Polymerization: From Design to Properties and Functions. <i>ACS Symposium Series</i> , 2014 , 255-267	0.4	21
190	Iodine in Polymer Synthesis 2014 , 489-500		1
189	Understanding the catalytic activity of single-chain polymeric nanoparticles in water. <i>Journal of Polymer Science Part A</i> , 2014 , 52, 12-20	2.5	90

188	Synchronized Tandem Catalysis of Living Radical Polymerization and Transesterification: Methacrylate Gradient Copolymers with Extremely Broad Glass Transition Temperature.. <i>ACS Macro Letters</i> , 2013 , 2, 985-989	6.6	36
187	Sequence-controlled polymers. <i>Science</i> , 2013 , 341, 1238149	33.3	903
186	Phosphine Ligand Decoration toward Active and Robust Iron Catalysts in LRP. <i>Macromolecules</i> , 2013 , 46, 3342-3349	5.5	42
185	Ring-Expansion Living Cationic Polymerization via Reversible Activation of a Hemiacetal Ester Bond.. <i>ACS Macro Letters</i> , 2013 , 2, 531-534	6.6	53
184	Chain center-functionalized amphiphilic block polymers: Complementary hydrogen bond self-assembly in aqueous solution. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 4498-4504	2.5	6
183	Consecutive living polymerization from cationic to radical: a straightforward yet versatile methodology for the precision synthesis of cleavable block copolymers with a hemiacetal ester junction. <i>Polymer Chemistry</i> , 2012 , 3, 2193	4.9	7
182	Ferrocene Cocatalysis in Metal-Catalyzed Living Radical Polymerization: Concerted Redox for Highly Active Catalysis.. <i>ACS Macro Letters</i> , 2012 , 1, 321-323	6.6	14
181	Sequence-regulated copolymers via tandem catalysis of living radical polymerization and in situ transesterification. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4373-83	16.4	131
180	Microgel-Core Star Polymers as Functional Compartments for Catalysis and Molecular Recognition. <i>ACS Symposium Series</i> , 2012 , 65-80	0.4	15
179	Aqueous metal-catalyzed living radical polymerization: highly active water-assisted catalysis. <i>Polymer Journal</i> , 2012 , 44, 51-58	2.7	18
178	Design of AB divinyl template monomers toward alternating sequence control in metal-catalyzed living radical polymerization. <i>Polymer Chemistry</i> , 2011 , 2, 341-347	4.9	107
177	Single-chain technology using discrete synthetic macromolecules. <i>Nature Chemistry</i> , 2011 , 3, 917-24	17.6	320
176	Dicarbonyl pentaphenylcyclopentadienyl iron complex for living radical polymerization: Smooth generation of real active catalysts collaborating with phosphine ligand. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 537-544	2.5	8
175	Oxidation of sec-alcohols with Ru(II)-bearing microgel star polymer catalysts via hydrogen transfer reaction: Unique microgel-core catalysis. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 1061-1069	2.5	28
174	Star-Polymer-Catalyzed Living Radical Polymerization: Microgel-Core Reaction Vessel by Tandem Catalyst Interchange. <i>Angewandte Chemie</i> , 2011 , 123, 8038-8041	3.6	7
173	Sequence-Regulated Radical Polymerization with a Metal-Templated Monomer: Repetitive ABA Sequence by Double Cyclopolymerization. <i>Angewandte Chemie</i> , 2011 , 123, 7572-7575	3.6	40
172	Star-polymer-catalyzed living radical polymerization: microgel-core reaction vessel by tandem catalyst interchange. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7892-5	16.4	71
171	Sequence-regulated radical polymerization with a metal-templated monomer: repetitive ABA sequence by double cyclopolymerization. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7434-7	16.4	178

170	Transfer hydrogenation of ketones catalyzed by PEG-armed ruthenium-microgel star polymers: microgel-core reaction space for active, versatile and recyclable catalysis. <i>Polymer Journal</i> , 2011 , 43, 770-777	2.7	30
169	Fluorinated Microgel-Core Star Polymers as Fluorous Compartments for Molecular Recognition. <i>Macromolecules</i> , 2011 , 44, 4574-4578	5.5	43
168	Carbonyl-phosphine hetero-ligated half-metallocene iron(II) catalysts for living radical polymerization: concomitant activity and stability. <i>Polymer Journal</i> , 2010 , 42, 17-24	2.7	23
167	Template-assisted selective radical addition toward sequence-regulated polymerization: lariat capture of target monomer by template initiator. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14748-50	16.4	125
166	Bisphosphine Monoxide-Ligated Ruthenium Catalysts: Active, Versatile, Removable, and Cocatalyst-Free in Living Radical Polymerization. <i>Macromolecules</i> , 2010 , 43, 5989-5995	5.5	35
165	Carbonyl Phosphine Heteroligation for Pentamethylcyclopentadienyl (Cp*)Iron Complexes: Highly Active and Versatile Catalysts for Living Radical Polymerization. <i>Macromolecules</i> , 2010 , 43, 920-926	5.5	40
164	Thermoregulated phase-transfer catalysis via PEG-armed Ru(II)-bearing microgel core star polymers: Efficient and reusable Ru(II) catalysts for aqueous transfer hydrogenation of ketones. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 373-379	2.5	71
163	Living cationic polymerization of an azide-containing vinyl ether toward addressable functionalization of polymers. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 1449-1455	2.5	12
162	Selective single monomer addition in living cationic polymerization: Sequential double end-functionalization in combination with capping agent. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 3375-3381	2.5	8
161	Antithetic function of alcohol in living cationic polymerization: From terminator/inhibitor to useful initiator. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 4194-4201	2.5	8
160	Concurrent tandem living radical polymerization: gradient copolymers via in situ monomer transformation with alcohols. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13600-1	16.4	80
159	Selective radical addition with a designed heterobifunctional halide: a primary study toward sequence-controlled polymerization upon template effect. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10808-9	16.4	162
158	Active, Versatile, and Removable Iron Catalysts with Phosphazanium Salts for Living Radical Polymerization of Methacrylates(1). <i>Macromolecules</i> , 2009 , 42, 188-193	5.5	76
157	Transition metal-catalyzed living radical polymerization: toward perfection in catalysis and precision polymer synthesis. <i>Chemical Reviews</i> , 2009 , 109, 4963-5050	68.1	1117
156	Precision control of radical polymerization via transition metal catalysis: from dormant species to designed catalysts for precision functional polymers. <i>Accounts of Chemical Research</i> , 2008 , 41, 1120-32	24.3	175
155	Evolution of iron catalysts for effective living radical polymerization: P π chelate ligand for enhancement of catalytic performances. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 6819-6827	2.5	37
154	Highly active and removable ruthenium catalysts for transition-metal-catalyzed living radical polymerization: design of ligands and cocatalysts. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 1358-64	4.5	31
153	Evolution of Iron Catalysts for Effective Living Radical Polymerization: Design of Phosphine/Halogen Ligands in FeX ₂ (PR ₃) ₂ . <i>Macromolecules</i> , 2007 , 40, 8658-8662	5.5	64

152	Metal-complex-bearing star polymers by metal-catalyzed living radical polymerization: Synthesis and characterization of poly(methyl methacrylate) star polymers with Ru(II)-embedded microgel cores. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 4966-4980	2.5	54
151	Living Radical Polymerization Catalyzed with Hydrophilic and Thermosensitive Ruthenium(II) Complexes in Aqueous Media. <i>ACS Symposium Series</i> , 2006 , 14-25	0.4	12
150	Effect of Tacticity of Poly(N-isopropylacrylamide) on the Phase Separation Temperature of Its Aqueous Solutions. <i>Polymer Journal</i> , 2005 , 37, 234-237	2.7	164
149	Living Radical Polymerization with Designed Metal Complexes. <i>ACS Symposium Series</i> , 2003 , 102-115	0.4	6
148	Amino alcohol additives for the fast living radical polymerization of methyl methacrylate with RuCl ₂ (PPh ₃) ₃ . <i>Journal of Polymer Science Part A</i> , 2003 , 41, 3597-3605	2.5	25
147	Controlled Cationic Polymerization of p-(Chloromethyl)styrene: BF ₃ -Catalyzed Selective Activation of a CD Terminal from Alcohol. <i>Macromolecules</i> , 2003 , 36, 3540-3544	5.5	27
146	Synthesis of star-shaped copolymers with methyl methacrylate and n-butyl methacrylate by metal-catalyzed living radical polymerization: Block and random copolymer arms and microgel cores. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 633-641	2.5	51
145	Ruthenium-catalyzed fast living radical polymerization of methyl methacrylate: The R ² Cl/Ru(Ind)Cl(PPh ₃) ₂ /n-Bu ₂ NH initiating system. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 617-623	2.5	30
144	Star poly(methyl methacrylate) with end-functionalized arm chains by ruthenium-catalyzed living radical polymerization. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 1972-1982	2.5	45
143	Synthesis of end-functionalized poly(methyl methacrylate) by ruthenium-catalyzed living radical polymerization with functionalized initiators. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 1937-1944	2.5	42
142	Iron-catalyzed living radical polymerization of acrylates: Iodide-based initiating systems and block and random copolymerizations. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 2033-2043	2.5	39
141	Controlled radical polymerization of 2-hydroxyethyl methacrylate with a hydrophilic ruthenium complex and the synthesis of amphiphilic random and block copolymers with methyl methacrylate. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 2055-2065	2.5	20
140	Star-shaped polymers by Ru(II)-catalyzed living radical polymerization. II. Effective reaction conditions and characterization by multi-angle laser light scattering/size exclusion chromatography and small-angle X-ray scattering. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 2245-2255	2.5	41
139	Living radical and cationic polymerizations in water and organic media. <i>Macromolecular Symposia</i> , 2002 , 177, 17-24	0.8	7
138	A new ruthenium complex with an electron-donating aminoindenyl ligand for fast metal-mediated living radical polymerizations. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9994-5	16.4	94
137	Amine Additives for Fast Living Radical Polymerization of Methyl Methacrylate with RuCl ₂ (PPh ₃) ₃ 1. <i>Macromolecules</i> , 2002 , 35, 2934-2940	5.5	65
136	Iron-Catalyzed Suspension Living Radical Polymerizations of Acrylates and Styrene in Water 1. <i>Macromolecules</i> , 2002 , 35, 2949-2954	5.5	58
135	A highly active Fe(I) catalyst for radical polymerisation and taming the polymerisation with iodine. <i>Chemical Communications</i> , 2002 , 2694-5	5.8	35

134	Local Chain Dynamics of Poly(N-vinylcarbazole) Studied by the Fluorescence Depolarization Method. <i>Polymer Journal</i> , 2001 , 33, 464-468	2.7	9
133	MALDI-TOF-MS analysis of living cationic polymerization of vinyl ethers. II. Living nature of growing end and side reactions. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 1249-1257	2.5	19
132	MALDI-TOF-MS analysis of living cationic polymerization of vinyl ethers. III. Polymerization with SnCl ₄ and TiCl ₄ in the absence of additives. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 1258-1267	2.5	6
131	Synthesis of end-functionalized polymers and copolymers of cyclopentadiene with vinyl ethers by cationic polymerization. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 398-407	2.5	8
130	Stereoregulation in cationic polymerization by designed Lewis acids. II. Effects of alkyl vinyl ether structure. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 1060-1066	2.5	36
129	Stereoregulation in cationic polymerization. III. High isospecificity with the bulky phosphoric acid [(RO) ₂ PO ₂ H]/SnCl ₄ initiating systems: Design of counteranions via initiators. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 1067-1074	2.5	23
128	Cationic Polymerization of Cyclopentadiene with SnCl ₄ : Control of Molecular Weight and Narrow Molecular Weight Distribution ¹ . <i>Macromolecules</i> , 2001 , 34, 3176-3181	5.5	28
127	Control of Regioselectivity and Main-Chain Microstructure in Cationic Polymerization of Cyclopentadiene ¹ . <i>Macromolecules</i> , 2001 , 34, 6586-6591	5.5	16
126	Metal-catalyzed living radical polymerization. <i>Chemical Reviews</i> , 2001 , 101, 3689-746	68.1	3028
125	Ru(Cp*)Cl(PPh ₃) ₂ : A Versatile Catalyst for Living Radical Polymerization of Methacrylates, Acrylates, and Styrene ¹ . <i>Macromolecules</i> , 2001 , 34, 4370-4374	5.5	123
124	Star-Shaped Polymers by Metal-Catalyzed Living Radical Polymerization. 1. Design of Ru(II)-Based Systems and Divinyl Linking Agents. <i>Macromolecules</i> , 2001 , 34, 215-221	5.5	195
123	MALDI-TOF-MS Analysis of Ruthenium(II)-Mediated Living Radical Polymerizations of Methyl Methacrylate, Methyl Acrylate, and Styrene ¹ . <i>Macromolecules</i> , 2001 , 34, 2083-2088	5.5	76
122	Living Radical Polymerization of Styrene: RuCl ₂ (PPh ₃) ₃ and Alkyl Iodide-Based Initiating Systems. <i>ACS Symposium Series</i> , 2000 , 168-181	0.4	7
121	Comments on Living Polymerization: Rationale for Uniform Terminology by Darling et al.. <i>Journal of Polymer Science Part A</i> , 2000 , 38, 1748-1749	2.5	
120	Sulfonic acids as water-soluble initiators for cationic polymerization in aqueous media with Yb(OTf) ₃ . <i>Journal of Polymer Science Part A</i> , 2000 , 38, 2728-2733	2.5	41
119	Matrix-assisted laser desorption ionization time of flight mass spectrometry analysis of living cationic polymerization of vinyl ethers. I. Optimization of measurement conditions for poly(isobutyl vinyl ether). <i>Journal of Polymer Science Part A</i> , 2000 , 38, 4023-4031	2.5	24
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