

Masami Kamigaito

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.

302
papers

18,480
citations

65
h-index

127
g-index

322
ext. papers

19,528
ext. citations

5.5
avg, IF

6.79
L-index

#	Paper	IF	Citations
302	Model and Terpenoid-Derived exo-Methylene Six-Membered Conjugated Dienes: Comprehensive Studies on Cationic and Radical Polymerizations of Substituted 3-Methylenecyclohexenes. <i>Macromolecules</i> , 2022 , 55, 2300-2309	5.5	2
301	Mechanical Properties of Homogeneous Polymer Networks Prepared by Star Polymer Synthesis Methods. <i>Macromolecules</i> , 2021 , 54, 10468-10476	5.5	0
300	Cationic RAFT and DT Polymerization. <i>Progress in Polymer Science</i> , 2021 , 124, 101485	29.6	7
299	Cationic RAFT Polymerization 2021 , 1171-1194		1
298	Stereospecific cationic RAFT polymerization of bulky vinyl ethers and stereoblock poly(vinyl alcohol) via mechanistic transformation to radical RAFT polymerization of vinyl acetate. <i>Giant</i> , 2021 , 5, 100047	5.6	6
297	Hybridization of Step-/Chain-Growth and Radical/Cationic Polymerizations Using Thioacetals as Key Components for Triblock, Periodic and Random Multiblock Copolymers with Thermoresponsiveness. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100192	4.8	1
296	Nonturbid Fast Temperature-Responsive Hydrogels with Homogeneous Three-Dimensional Networks by Two Types of Star Polymer Synthesis Methods. <i>Macromolecules</i> , 2021 , 54, 5750-5764	5.5	1
295	Sequence-regulated vinyl polymers via iterative atom transfer radical additions and acyclic diene metathesis polymerization. <i>Polymer Chemistry</i> , 2021 , 12, 423-431	4.9	2
294	Terpenoid-derived conjugated dienes with exo-methylene and a 6-membered ring: high cationic reactivity, regioselective living cationic polymerization, and random and block copolymerization with vinyl ethers. <i>Polymer Chemistry</i> , 2021 , 12, 1186-1198	4.9	3
293	Thiol-Ene Cationic and Radical Reactions: Cyclization, Step-Growth, and Concurrent Polymerizations for Thioacetal and Thioether Units. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6832-6838	16.4	11
292	Thiol-Ene Cationic and Radical Reactions: Cyclization, Step-Growth, and Concurrent Polymerizations for Thioacetal and Thioether Units. <i>Angewandte Chemie</i> , 2020 , 132, 6899-6905	3.6	0
291	Precise Synthesis of a Homogeneous Thermo-responsive Polymer Network Composed of Four-Branched Star Polymers with a Narrow Molecular Weight Distribution. <i>Macromolecules</i> , 2020 , 53, 374-386	5.5	13
290	Bio-based vinylphenol family: Synthesis via decarboxylation of naturally occurring cinnamic acids and living radical polymerization for functionalized polystyrenes. <i>Journal of Polymer Science</i> , 2020 , 58, 91-100	2.4	
289	Multifactor Control of Vinyl Monomer Sequence, Molecular Weight, and Tacticity via Iterative Radical Additions and Olefin Metathesis Reactions. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18955-18962	16.4	15
288	Biobased Cycloolefin Polymers: Carvone-Derived Cyclic Conjugated Diene with Reactive exo-Methylene Group for Regioselective and Stereospecific Living Cationic Polymerization. <i>ACS Macro Letters</i> , 2020 , 9, 1178-1183	6.6	8
287	Progress and Perspectives Beyond Traditional RAFT Polymerization. <i>Advanced Science</i> , 2020 , 7, 2001656	13.6	55
286	Epoxy-functionalised 4-vinylguaiacol for the synthesis of bio-based, degradable star polymers via a RAFT/ROCOP strategy. <i>Polymer Chemistry</i> , 2020 , 11, 5844-5850	4.9	1

285	Biobased Polymers via Radical Homopolymerization and Copolymerization of a Series of Terpenoid-Derived Conjugated Dienes with α -Methylene and 6-Membered Ring. <i>Molecules</i> , 2020 , 25,	4.8	5
284	Bio-based vinylphenol family: Synthesis via decarboxylation of naturally occurring cinnamic acids and living radical polymerization for functionalized polystyrenes. <i>Journal of Polymer Science</i> , 2020 , 58, 91-100	2.4	6
283	Interconvertible and switchable cationic/PET-RAFT copolymerization triggered by visible light. <i>Polymer Journal</i> , 2020 , 52, 65-73	2.7	15
282	Fully bio-based polymer blend of polyamide 11 and Poly(vinylcatechol) showing thermodynamic miscibility and excellent engineering properties. <i>Polymer</i> , 2019 , 181, 121667	3.9	7
281	1:3 ABAA sequence-regulated substituted polymethylenes via alternating radical copolymerization of methyl cinnamate and maleic anhydride followed by post-polymerization reactions. <i>European Polymer Journal</i> , 2019 , 120, 109225	5.2	4
280	Valencene as a naturally occurring sesquiterpene monomer for radical copolymerization with maleimide to induce concurrent 1:1 and 1:2 propagation. <i>Polymer Degradation and Stability</i> , 2019 , 161, 183-190	4.7	10
279	Construction of Sequence-Regulated Vinyl Copolymers via Iterative Single Vinyl Monomer Additions and Subsequent Metal-Catalyzed Step-Growth Radical Polymerization. <i>Macromolecules</i> , 2019 , 52, 3327-3341	5.5	15
278	Halogenation of Propagating Terminal in Anionic Polymerization of Isoprene for the Synthesis of Block Copolymers. <i>Kobunshi Ronbunshu</i> , 2019 , 76, 234-240	0	
277	A User-friendly Living Cationic Polymerization: Degenerative Chain-transfer Polymerization of Vinyl Ethers by Simply Using Mixtures of Weak and Superstrong Protonic Acids. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019 , 37, 851-857	3.5	10
276	Ferulic acid-based reactive core-shell latex by seeded emulsion polymerization. <i>Polymer Chemistry</i> , 2019 , 10, 3116-3126	4.9	8
275	Cooperative reduction of various RAFT polymer terminals using hydrosilane and thiol via polarity reversal catalysis. <i>Chemical Communications</i> , 2019 , 55, 5327-5330	5.8	5
274	$RfI/SnCl_4/n-Bu_4NCl$ -induced direct living cationic polymerization of naturally-derived unprotected 4-vinylphenol, 4-vinylguaiacol, and 4-vinylcatechol in CH_3CN . <i>Polymer Chemistry</i> , 2019 , 10, 1192-1201	4.9	8
273	Cationic Polymerization via Activation of Alkoxyamines Using Photoredox Catalysts. <i>ChemPhotoChem</i> , 2019 , 3, 1100-1108	3.3	5
272	Cationic Polymerization via Activation of Alkoxyamines Using Photoredox Catalysts. <i>ChemPhotoChem</i> , 2019 , 3, 1058-1058	3.3	
271	Helix-sense-selective copolymerization of triphenylmethyl methacrylate with chiral 2-isopropenyl-4-phenyl-2-oxazoline. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 441-447	2.5	4
270	Professor Mitsuo Sawamoto-sensei and innovator in polymer synthesis. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 197-198	2.5	
269	Direct through anionic, cationic, and radical active species: Terminal carbon-halogen bond for controlled/living polymerizations of styrene. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 465-473	2.5	3
268	Controlled Radical Copolymerization of Cinnamic Derivatives as Renewable Vinyl Monomers with Both Acrylic and Styrenic Substituents: Reactivity, Regioselectivity, Properties, and Functions. <i>Biomacromolecules</i> , 2019 , 20, 192-203	6.9	23

267	Degenerative chain-transfer process: Controlling all chain-growth polymerizations and enabling novel monomer sequences. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 243-254	2.5	19
266	Synthesis and stereocomplexation of PMMA-based star polymers prepared by a combination of stereospecific anionic polymerization and crosslinking radical polymerization. <i>Journal of Polymer Science Part A</i> , 2018 , 56, 1123-1127	2.5	3
265	Vinyl Ether/Vinyl Ester Copolymerization by Cationic and Radical Interconvertible Simultaneous Polymerization. <i>ACS Symposium Series</i> , 2018 , 323-334	0.4	12
264	Synthesis of PEVE-b-P(CTFE-alt-EVE) block copolymers by sequential cationic and radical RAFT polymerization. <i>Polymer Chemistry</i> , 2018 , 9, 352-361	4.9	29
263	Naturally-Derived Amphiphilic Polystyrenes Prepared by Aqueous Controlled/Living Cationic Polymerization and Copolymerization of Vinylguaiacol with R ² OH/BF ₃ DEt ₂ . <i>Polymers</i> , 2018 , 10,	4.5	7
262	Scalable Synthesis of Bio-Based Functional Styrene: Protected Vinyl Catechol from Caffeic Acid and Controlled Radical and Anionic Polymerizations Thereof. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 13681-13686	8.3	28
261	Discrete and Stereospecific Oligomers Prepared by Sequential and Alternating Single Unit Monomer Insertion. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13392-13406	16.4	78
260	Spontaneous synthesis of a homogeneous thermoresponsive polymer network composed of polymers with a narrow molecular weight distribution. <i>NPG Asia Materials</i> , 2018 , 10, 840-848	10.3	6
259	Light Leads to Ultra-Long Polymer Chains in Water. <i>Chem</i> , 2017 , 2, 13-15	16.2	4
258	Innenteilbild: BAB-random-C Monomer Sequence via Radical Terpolymerization of Limonene (A), Maleimide (B), and Methacrylate (C): Terpene Polymers with Randomly Distributed Periodic Sequences (Angew. Chem. 7/2017). <i>Angewandte Chemie</i> , 2017 , 129, 1702-1702	3.6	1
257	BAB-random-C Monomer Sequence via Radical Terpolymerization of Limonene (A), Maleimide (B), and Methacrylate (C): Terpene Polymers with Randomly Distributed Periodic Sequences. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1789-1793	16.4	31
256	BAB-random-C Monomer Sequence via Radical Terpolymerization of Limonene (A), Maleimide (B), and Methacrylate (C): Terpene Polymers with Randomly Distributed Periodic Sequences. <i>Angewandte Chemie</i> , 2017 , 129, 1815-1819	3.6	8
255	Sustainable Vinyl Polymers via Controlled Polymerization of Terpenes 2017 , 55-90		17
254	One-shot controlled/living copolymerization for various comonomer sequence distributions via dual radical and cationic active species from RAFT terminals. <i>Polymer Chemistry</i> , 2017 , 8, 5002-5011	4.9	49
253	Bio-Based Functional Styrene Monomers Derived from Naturally Occurring Ferulic Acid for Poly(vinylcatechol) and Poly(vinylguaiacol) via Controlled Radical Polymerization. <i>Macromolecules</i> , 2017 , 50, 4206-4216	5.5	59
252	Synthesis of Syndiotactic Macrocyclic Poly(methyl methacrylate) via Transformation of the Growing Terminal in Stereospecific Anionic Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1700041	2.6	4
251	Combination of Cationic and Radical RAFT Polymerizations: A Versatile Route to Well-Defined Poly(ethyl vinyl ether)-block-poly(vinylidene fluoride) Block Copolymers. <i>ACS Macro Letters</i> , 2017 , 6, 393-398	6.6	58
250	Diverse approaches to star polymers via cationic and radical RAFT cross-linking reactions using mechanistic transformation. <i>Polymer Chemistry</i> , 2017 , 8, 5972-5981	4.9	25

249	Synthesis of Isotactic-block-Syndiotactic Poly(methyl Methacrylate) via Stereospecific Living Anionic Polymerizations in Combination with Metal-Halogen Exchange, Halogenation, and Click Reactions. <i>Polymers</i> , 2017 , 9,	4.5	5
248	Metal-Free Living Cationic Polymerization via Degenerative Chain-Transfer Mechanism. <i>Journal of the Adhesion Society of Japan</i> , 2017 , 53, 179-187	0.1	
247	Sequence-regulated vinyl copolymers with acid and base monomer units via atom transfer radical addition and alternating radical copolymerization. <i>Polymer Chemistry</i> , 2016 , 7, 4833-4841	4.9	26
246	Fullerene peapod nanoparticles as an organic semiconductor-electrode interface layer. <i>Chemical Communications</i> , 2016 , 52, 3356-9	5.8	16
245	Main-Chain and Side-Chain Sequence-Regulated Vinyl Copolymers by Iterative Atom Transfer Radical Additions and 1:1 or 2:1 Alternating Radical Copolymerization. <i>Journal of the American Chemical Society</i> , 2016 , 138, 944-54	16.4	80
244	Stereoregular High-Density Bottlebrush Polymer and Its Organic Nanocrystal Stereocomplex through Triple-Helix Formation. <i>Macromolecules</i> , 2016 , 49, 788-795	5.5	16
243	Cross-linked nanocellular polymer films: water- and oil-repellent anti-reflection coating. <i>Polymer Journal</i> , 2016 , 48, 497-501	2.7	4
242	Control of stereochemistry in atom transfer radical addition and step-growth radical polymerization by chiral transition metal catalysts. <i>Tetrahedron</i> , 2016 , 72, 7657-7664	2.4	2
241	A phosphonium intermediate for cationic RAFT polymerization. <i>Polymer Chemistry</i> , 2016 , 7, 1387-1396	4.9	37
240	Enantioseparation Using Cellulose Tris(3,5-dimethylphenylcarbamate) as Chiral Stationary Phase for HPLC: Influence of Molecular Weight of Cellulose. <i>Molecules</i> , 2016 , 21,	4.8	19
239	Bio-Based Polyketones by Selective Ring-Opening Radical Polymerization of β -Pinene-Derived Pinocarvone. <i>Angewandte Chemie</i> , 2016 , 128, 1394-1398	3.6	8
238	Bio-Based Polyketones by Selective Ring-Opening Radical Polymerization of β -Pinene-Derived Pinocarvone. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1372-6	16.4	57
237	Controlled Polymerization: Beyond Traditional RAFT: Alternative Activation of Thiocarbonylthio Compounds for Controlled Polymerization (Adv. Sci. 9/2016). <i>Advanced Science</i> , 2016 , 3,	13.6	5
236	Diversifying Cationic RAFT Polymerization with Various Counteranions: Generation of Cationic Species from Organic Halides and Various Metal Salts. <i>ACS Macro Letters</i> , 2016 , 5, 1157-1161	6.6	25
235	Beyond Traditional RAFT: Alternative Activation of Thiocarbonylthio Compounds for Controlled Polymerization. <i>Advanced Science</i> , 2016 , 3, 1500394	13.6	189
234	Thioether-Mediated Degenerative Chain-Transfer Cationic Polymerization: A Simple Metal-Free System for Living Cationic Polymerization. <i>Macromolecules</i> , 2015 , 48, 5533-5542	5.5	48
233	Controlled radical polymerization of styrene with magnetic iron oxides prepared through hydrothermal, bioinspired, and bacterial processes. <i>RSC Advances</i> , 2015 , 5, 51122-51129	3.7	2
232	Monomer Sequence Regulation in Main and Side Chains of Vinyl Copolymers: Synthesis of Vinyl Oligomonomers via Sequential Atom Transfer Radical Addition and Their Alternating Radical Copolymerization. <i>ACS Macro Letters</i> , 2015 , 4, 745-749	6.6	36

231	Study of the effect of isotacticity on some physical properties of poly(N-isopropylacrylamide). <i>Colloid and Polymer Science</i> , 2015 , 293, 1749-1757	2.4	10
230	Molecular mapping of poly(methyl methacrylate) super-helix stereocomplexes. <i>Chemical Science</i> , 2015 , 6, 1370-1378	9.4	43
229	Periodic Introduction of Water-Tolerant Titanatrane Complex to Poly(NIPAM) Prepared by Simultaneous Step-Growth and Living Radical Polymerization. <i>ACS Symposium Series</i> , 2015 , 1-14	0.4	1
228	Cationic RAFT polymerization using ppm concentrations of organic acid. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1924-8	16.4	123
227	Controlled/Living Polymerization of Naturally Occurring Terpenes. <i>Kobunshi Ronbunshu</i> , 2015 , 72, 421-432		4
226	Metal-Free Living Cationic Polymerization via Carbon-Sulfur Bonds (2). <i>Nippon Gomu Kyokaishi</i> , 2015 , 88, 461-465	0	
225	Cationic RAFT Polymerization Using ppm Concentrations of Organic Acid. <i>Angewandte Chemie</i> , 2015 , 127, 1944-1948	3.6	26
224	Metal-Free Living Cationic Polymerization via Carbon-Sulfur Bonds (1). <i>Nippon Gomu Kyokaishi</i> , 2015 , 88, 391-396	0	2
223	Renewable β -methylstyrenes for bio-based heat-resistant styrenic copolymers: radical copolymerization enhanced by fluoroalcohol and controlled/living copolymerization by RAFT. <i>Polymer Chemistry</i> , 2014 , 5, 3182-3189	4.9	34
222	Sustainable cycloolefin polymer from pine tree oil for optoelectronics material: living cationic polymerization of β -pinene and catalytic hydrogenation of high-molecular-weight hydrogenated poly(β -pinene). <i>Polymer Chemistry</i> , 2014 , 5, 3222-3230	4.9	65
221	Interconvertible living radical and cationic polymerization through reversible activation of dormant species with dual activity. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10932-6	16.4	76
220	Precision synthesis of bio-based acrylic thermoplastic elastomer by RAFT polymerization of itaconic acid derivatives. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 161-167	4.8	75
219	Synthesis of Titanium-Containing Block, Random, End-Functionalized, and Junction-Functionalized Polymers via Ruthenium-Catalyzed Living Radical Polymerization and Direct Observation of Titanium Domains by Electron Microscopy. <i>Macromolecules</i> , 2014 , 47, 944-953	5.5	10
218	Stereospecific cyclic poly(methyl methacrylate) and its topology-guided hierarchically controlled supramolecular assemblies. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 459-64	16.4	50
217	Stereospecific Cyclic Poly(methyl methacrylate) and Its Topology-Guided Hierarchically Controlled Supramolecular Assemblies. <i>Angewandte Chemie</i> , 2014 , 126, 469-474	3.6	0
216	Sequence-Controlled Vinyl Polymers by Transition Metal-Catalyzed Step-Growth and Living Radical Polymerizations. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1613, 17-21		
215	Construction of Vinyl Polymer and Polyester or Polyamide Units in a Single Polymer Chain via Metal-catalyzed Simultaneous Chain- and Step-growth Radical Polymerization of Various Monomers. <i>Australian Journal of Chemistry</i> , 2014 , 67, 544	1.2	11
214	Synthesis of Side-Chain-Sequenced Copolymers Using Vinyl Oligomonomers via Sequential Single-Monomer ATRP. <i>ACS Symposium Series</i> , 2014 , 189-200	0.4	8

213	Interconvertible Living Radical and Cationic Polymerization through Reversible Activation of Dormant Species with Dual Activity. <i>Angewandte Chemie</i> , 2014 , 126, 11112-11116	3.6	12
212	Periodically Functionalized and Grafted Copolymers via 1:2-Sequence-Regulated Radical Copolymerization of Naturally Occurring Functional Limonene and Maleimide Derivatives. <i>Macromolecules</i> , 2013 , 46, 5473-5482	5.5	80
211	1:2-sequence-regulated radical copolymerization of naturally occurring terpenes with maleimide derivatives in fluorinated alcohol. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 1774-1785	2.5	67
210	Asymmetric anionic polymerization of tris(trimethylsilyl)silyl methacrylate: a highly isotactic helical chiral polymer. <i>Polymer Journal</i> , 2013 , 45, 676-680	2.7	6
209	A simple combination of higher-oxidation-state FeX ₃ and phosphine or amine ligand for living radical polymerization of styrene, methacrylate, and acrylate. <i>Polymer Chemistry</i> , 2013 , 4, 3554	4.9	32
208	Direct Mechanistic Transformations from Isotactic or Syndiotactic Living Anionic Polymerizations of Methyl Methacrylate into Metal-Catalyzed Living Radical Polymerizations.. <i>ACS Macro Letters</i> , 2013 , 2, 72-76	6.6	20
207	In Situ Direct Mechanistic Transformation from FeCl ₃ -Catalyzed Living Cationic to Radical Polymerizations. <i>Macromolecular Symposia</i> , 2013 , 323, 64-74	0.8	8
206	From-syndiotactic-to-isotactic stereogradient methacrylic polymers by RAFT copolymerization of methacrylic acid and its bulky esters. <i>Polymer Chemistry</i> , 2012 , 3, 1750-1757	4.9	27
205	Nanocellular foaming of fluorine containing block copolymers in carbon dioxide: the role of glass transition in carbon dioxide. <i>RSC Advances</i> , 2012 , 2, 2821	3.7	22
204	Kinetic Hydrate Inhibition of Poly(N-isopropylmethacrylamide)s with Different Tacticities. <i>Energy & Fuels</i> , 2012 , 26, 3577-3585	4.1	30
203	Design and synthesis of self-degradable antibacterial polymers by simultaneous chain- and step-growth radical copolymerization. <i>Biomacromolecules</i> , 2012 , 13, 1554-63	6.9	78
202	Random copolymer of styrene and diene derivatives via anionic living polymerization followed by intramolecular Friedel-Crafts cyclization for high-performance thermoplastics. <i>Polymer Chemistry</i> , 2012 , 3, 190-197	4.9	17
201	Intramolecular friedel-crafts cyclization and subsequent hydrogenation of styrene-isoprene random copolymers prepared by anionic polymerization for thermally-resistant and optical applications. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 1298-1307	2.5	9
200	Metal-Catalyzed Step-Growth Radical Polymerization of AA and BB Monomers for Monomer Sequence Regulation. <i>ACS Symposium Series</i> , 2012 , 133-144	0.4	10
199	Iron Oxides as Heterogeneous Catalysts for Controlled/Living Radical Polymerization of Styrene and Methyl Methacrylate. <i>Macromolecules</i> , 2011 , 44, 1927-1933	5.5	23
198	Stereospecific Free Radical and RAFT Polymerization of Bulky Silyl Methacrylates for Tacticity and Molecular Weight Controlled Poly(methacrylic acid). <i>Macromolecules</i> , 2011 , 44, 9108-9117	5.5	35
197	Transition Metal-Catalyzed Step-Growth Radical Polymerization. <i>Kobunshi Ronbunshu</i> , 2011 , 68, 436-456	0	0
196	Chiral recognition ability of cellulose derivatives bearing pyridyl and bipyridyl residues as chiral stationary phases for high-performance liquid chromatography. <i>Polymer Journal</i> , 2011 , 43, 84-90	2.7	10

195	Recent developments in metal-catalyzed living radical polymerization. <i>Polymer Journal</i> , 2011 , 43, 105-120.	7	52
194	Nucleobase-mediated stereospecific radical polymerization and combination with RAFT polymerization for simultaneous control of molecular weight and tacticity. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 226-32	4.8	21
193	Highly efficient synthesis of low polydispersity core cross-linked star polymers by Ru-catalyzed living radical polymerization. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 456-61	4.8	20
192	Immobilization of amphiphilic polycations by catechol functionality for antimicrobial coatings. <i>Langmuir</i> , 2011 , 27, 4010-9	4	81
191	Effects of Tacticity and Molecular Weight of Poly(N-isopropylacrylamide) on Its Glass Transition Temperature. <i>Macromolecules</i> , 2011 , 44, 5822-5824	5.5	51
190	Degradable Poly(N-isopropylacrylamide) with Tunable Thermosensitivity by Simultaneous Chain- and Step-Growth Radical Polymerization. <i>Macromolecules</i> , 2011 , 44, 2382-2386	5.5	38
189	Enantioseparation using amylose esters as chiral stationary phases for high-performance liquid chromatography. <i>Polymer Journal</i> , 2010 , 42, 31-36	2.7	9
188	In Situ and Time-Resolved Small-Angle Neutron Scattering Observation of Star Polymer Formation via Arm-Linking Reaction in Ruthenium-Catalyzed Living Radical Polymerization(1). <i>Macromolecules</i> , 2010 , 43, 8218-8232	5.5	43
187	Helical Structure of Liquid Crystalline Poly(N-((4-n-butylphenyl)diphenylmethyl) methacrylamide). <i>Macromolecules</i> , 2010 , 43, 7386-7390	5.5	7
186	Metal-catalyzed simultaneous chain- and step-growth radical polymerization: marriage of vinyl polymers and polyesters. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7498-507	16.4	55
185	AAB-sequence living radical chain copolymerization of naturally occurring limonene with maleimide: an end-to-end sequence-regulated copolymer. <i>Journal of the American Chemical Society</i> , 2010 , 132, 10003-5	16.4	226
184	Sequence-regulated vinyl copolymers by metal-catalysed step-growth radical polymerization. <i>Nature Communications</i> , 2010 , 1, 6	17.4	193
183	In-Situ Direct Mechanistic Transformation from RAFT to Living Cationic Polymerization for (Meth)acrylate/Vinyl Ether Block Copolymers. <i>Macromolecules</i> , 2010 , 43, 7523-7531	5.5	74
182	Stereogradient Polymers Formed by Controlled/Living Radical Polymerization of Bulky Methacrylate Monomers. <i>Angewandte Chemie</i> , 2009 , 121, 2025-2028	3.6	6
181	Nano-to-Macroscale Poly(methyl methacrylate) Stereocomplex Assemblies. <i>Angewandte Chemie</i> , 2009 , 121, 8863-8867	3.6	5
180	Stereogradient polymers formed by controlled/living radical polymerization of bulky methacrylate monomers. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1991-4	16.4	60
179	Nano-to-macroscale poly(methyl methacrylate) stereocomplex assemblies. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8707-11	16.4	37
178	Inside Cover: Nano-to-Macroscale Poly(methyl methacrylate) Stereocomplex Assemblies (Angew. Chem. Int. Ed. 46/2009). <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8582-8582	16.4	

177	Mn ₂ (CO) ₁₀ -induced controlled/living radical copolymerization of vinyl acetate and methyl acrylate: Spontaneous formation of block copolymers consisting of gradient and homopolymer segments. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 1343-1353	2.5	66
176	Mn ₂ (CO) ₁₀ -Induced RAFT Polymerization of Vinyl Acetate, Methyl Acrylate, and Styrene. <i>Polymer Journal</i> , 2009 , 41, 595-603	2.7	44
175	Thiourea-Mediated Stereospecific Radical Polymerization of Acrylamides and Combination with RAFT for Simultaneous Control of Molecular Weight and Tacticity. <i>ACS Symposium Series</i> , 2009 , 49-63	0.4	6
174	Metal-Catalyzed Radical Polyaddition for Aliphatic Polyesters via Evolution of Atom Transfer Radical Addition into Step-Growth Polymerization. <i>Macromolecules</i> , 2009 , 42, 472-480	5.5	35
173	Stereospecific living radical polymerization: dual control of chain length and tacticity for precision polymer synthesis. <i>Chemical Reviews</i> , 2009 , 109, 5120-56	68.1	229
172	Mn ₂ (CO) ₁₀ -Induced Controlled/Living Radical Copolymerization of Methyl Acrylate and 1-Hexene in Fluoroalcohol: High Olefin Content Copolymers with Controlled Molecular Weights. <i>Macromolecules</i> , 2009 , 42, 2497-2504	5.5	75
171	Cycloolefin Copolymer Analogues from Styrene and Isoprene: Cationic Cyclization of the Random Copolymers Prepared by Living Anionic Polymerization. <i>Macromolecules</i> , 2009 , 42, 620-625	5.5	18
170	Metal-catalyzed living radical polymerization and radical polyaddition for precision polymer synthesis. <i>Journal of Physics: Conference Series</i> , 2009 , 184, 012025	0.3	2
169	Regiospecific Radical Polymerization of Vinyl Methacrylate in the Presence of Lewis Acids into Soluble Polymers with Pendent Vinyl Ester Substituents. <i>Macromolecules</i> , 2008 , 41, 3042-3048	5.5	26
168	Manganese-Based Controlled/Living Radical Polymerization of Vinyl Acetate, Methyl Acrylate, and Styrene: Highly Active, Versatile, and Photoresponsive Systems. <i>Macromolecules</i> , 2008 , 41, 7359-7367	5.5	113
167	Stereoregulation in Living Radical Polymerization. <i>Macromolecules</i> , 2008 , 41, 269-276	5.5	94
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30	Living Radical Polymerization of Alkyl Methacrylates with Ruthenium Complex and Synthesis of Their Block Copolymers. <i>Macromolecules</i> , 1996 , 29, 6979-6982	5.5	137
29	Living Cationic Polymerization of Styrene with $TiCl_3(OiPr)$ as a Lewis Acid Activator. <i>Macromolecules</i> , 1996 , 29, 6100-6103	5.5	38
28	Living Radical Polymerization of Methyl Methacrylate with Ruthenium Complex: Formation of Polymers with Controlled Molecular Weights and Very Narrow Distributions ¹ . <i>Macromolecules</i> , 1996 , 29, 1070-1072	5.5	231
27	Sulfonyl chlorides as initiators for the ruthenium-mediated living radical polymerization of methyl methacrylate. <i>Journal of Polymer Science Part A</i> , 1996 , 34, 3585-3589	2.5	42
26	Cationic polymerization of α -pinene with the $AlCl_3/SbCl_3$ binary catalyst: Comparison with α -pinene polymerization. <i>Journal of Applied Polymer Science</i> , 1996 , 61, 1011-1016	2.9	40
25	Living Radical Polymerization via Reversible Homolytic Activation of Carbon-Halogen Bonds with Metal Complexes 1996 , 11-20		1
24	Living cationic polymerization of isobutyl vinyl ether by the $CF_3CO_2H/BnCl_4/nBu_4NCl$ system: In situ direct analysis of the growing species by 1H , ^{13}C and ^{19}F NMR spectroscopy. <i>Journal of Physical Organic Chemistry</i> , 1995 , 8, 282-292	2.1	7
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21	Polymerization of Methyl Methacrylate with the Carbon Tetrachloride/Dichlorotris-(triphenylphosphine)ruthenium(II)/Methylaluminum Bis(2,6-di-tert-butylphenoxide) Initiating System: Possibility of Living Radical Polymerization. <i>Macromolecules</i> , 1995 , 28, 1721-1723	5.5	2690
20	Titanium-based lewis acids for living cationic polymerizations of vinyl ethers and styrene: Control of lewis acidity in design of initiating systems. <i>Macromolecular Symposia</i> , 1995 , 98, 153-161	0.8	1
19	Living Cationic Polymerization of α -Methylstyrene. 2. Synthesis of Block and Random Copolymers with 2-Chloroethyl Vinyl Ether and End-Functionauzed Polymers \square <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1994 , 31, 937-951	2.2	1
18	Synthesis of end-functionalized polystyrenes with organosilicon end-capping reagents via living cationic polymerization. <i>Journal of Polymer Science Part A</i> , 1994 , 32, 2531-2542	2.5	18
17	End-Functionalized Polymers of Styrene and p-Methylstyrene by Living Cationic Polymerization with Functionalized Initiators. <i>Macromolecules</i> , 1994 , 27, 1093-1098	5.5	43
16	Living cationic polymerization of α -methylstyrene initiated with a vinyl ether-hydrogen chloride adduct in conjunction with tin tetrabromide. <i>Macromolecules</i> , 1993 , 26, 2670-2673	5.5	95

15	Living cationic polymerization of isobutyl vinyl ether by hydrogen chloride/Lewis acid initiating systems in the presence of salts: in-situ direct NMR analysis of the growing species. <i>Macromolecules</i> , 1993 , 26, 1643-1649	5.5	112
14	Living cationic polymerization of isobutyl vinyl ether by trimethylsilyl halide/zinc halide initiating systems: effects of carbonyl compounds. <i>Die Makromolekulare Chemie</i> , 1993 , 194, 727-738		10
13	Cationic polymerization of α -pinene with aluminium-based binary catalysts, 2. Survey of catalyst systems. <i>Die Makromolekulare Chemie</i> , 1993 , 194, 3441-3453		25
12	Cationic polymerization of α -pinene with aluminium-based binary catalysts, 3. Effects of added base. <i>Die Makromolekulare Chemie</i> , 1993 , 194, 3455-3465		11
11	Living cationic polymerization of vinyl ethers by electrophile/Lewis acid initiating systems. XII. Phosphoric and phosphinic acids/zinc chloride initiating systems for isobutyl vinyl ether. <i>Journal of Polymer Science Part A</i> , 1993 , 31, 2987-2994	2.5	8
10	Living cationic polymerization of isobutyl vinyl ether by benzoic acid derivatives/zinc chloride initiating systems: slow interconversion between dormant and activated growing species. <i>Macromolecules</i> , 1992 , 25, 6400-6406	5.5	54
9	Living cationic polymerization of isobutyl vinyl ether by protonic acid/zinc halide initiating systems: evidence for the halogen exchange with zinc halide in the growing species. <i>Macromolecules</i> , 1992 , 25, 2587-2591	5.5	62
8	Cationic polymerization of α -pinene with the binary catalyst $AlCl_3/SbCl_3$. <i>Die Makromolekulare Chemie</i> , 1992 , 193, 2311-2321		32
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6	Living cationic polymerization of isobutyl vinyl ether by $RCOOH$ /Lewis acid initiating systems: effects of carboxylate ions and Lewis acid activators. <i>Macromolecules</i> , 1991 , 24, 3988-3992	5.5	74
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4	Living cationic polymerization of isobutyl vinyl ether by the diphenyl phosphate/zinc iodide initiating system. <i>Polymer Bulletin</i> , 1988 , 20, 407-412	2.4	23
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2	Living Radical Polymerization 163-194		
1	Periodically Functionalized Sequence-Regulated Vinyl Polymers via Iterative Atom Transfer Radical Additions and Acyclic Diene Metathesis Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2100426	2.6	0