

Masami Kamigaito

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L-index

#	Paper	IF	Citations
302	Metal-catalyzed living radical polymerization. <i>Chemical Reviews</i> , 2001 , 101, 3689-746	68.1	3028
301	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
300	Iron(II) Chloride Complex for Living Radical Polymerization of Methyl Methacrylate ¹ . <i>Macromolecules</i> , 1997 , 30, 4507-4510	5.5	419
299	Nickel-Mediated Living Radical Polymerization of Methyl Methacrylate ¹ . <i>Macromolecules</i> , 1997 , 30, 2249-2253	5.5	266
298	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
297	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
296	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
295	RAFT Polymerization of N-Isopropylacrylamide in the Absence and Presence of Y(OTf) ₃ : Simultaneous Control of Molecular Weight and Tacticity. <i>Macromolecules</i> , 2004 , 37, 1702-1710	5.5	205
294	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
293	Sequence-regulated vinyl copolymers by metal-catalysed step-growth radical polymerization. <i>Nature Communications</i> , 2010 , 1, 6	17.4	193
292	Xanthate-Mediated Radical Polymerization of N-Vinylpyrrolidone in Fluoroalcohols for Simultaneous Control of Molecular Weight and Tacticity. <i>Macromolecules</i> , 2005 , 38, 10397-10405	5.5	192
291	Beyond Traditional RAFT: Alternative Activation of Thiocarbonylthio Compounds for Controlled Polymerization. <i>Advanced Science</i> , 2016 , 3, 1500394	13.6	189
290	Possibility of Living Radical Polymerization of Vinyl Acetate Catalyzed by Iron(I) Complex ¹ . <i>Macromolecules</i> , 2002 , 35, 330-333	5.5	188
289	Synthesis of Isotactic Poly(N-isopropylacrylamide) by RAFT Polymerization in the Presence of Lewis Acid. <i>Macromolecules</i> , 2003 , 36, 543-545	5.5	176
288	Calixarene-Core Multifunctional Initiators for the Ruthenium-Mediated Living Radical Polymerization of Methacrylates ¹ . <i>Macromolecules</i> , 1998 , 31, 6762-6768	5.5	174
287	NiBr ₂ (Pn-Bu ₃) ₂ -Mediated Living Radical Polymerization of Methacrylates and Acrylates and Their Block or Random Copolymerizations ¹ . <i>Macromolecules</i> , 1998 , 31, 6756-6761	5.5	166
286	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

285	Design of initiators for living radical polymerization of methyl methacrylate mediated by ruthenium(II) complex. <i>Tetrahedron</i> , 1997 , 53, 15445-15457	2.4	147
284	Multifunctional Initiators for the Ruthenium-Mediated Living Radical Polymerization of Methyl Methacrylate: Di- and Trifunctional Dichloroacetates for Synthesis of Multiarmed Polymers 1. <i>Macromolecules</i> , 1998 , 31, 557-562	5.5	145
283	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
282	Polymer catalysts from polymerization catalysts: direct encapsulation of metal catalyst into star polymer core during metal-catalyzed living radical polymerization. <i>Journal of the American Chemical Society</i> , 2003 , 125, 5288-9	16.4	133
281	Evidence for Living Radical Polymerization of Methyl Methacrylate with Ruthenium Complex: Effects of Protic and Radical Compounds and Reinitiation from the Recovered Polymers1. <i>Macromolecules</i> , 1997 , 30, 2244-2248	5.5	127
280	Re(V)-Mediated Living Radical Polymerization of Styrene:1 ReO ₂ (PPh ₃) ₂ /R ⁺ Initiating Systems. <i>Macromolecules</i> , 1999 , 32, 2420-2424	5.5	126
279	Cationic RAFT polymerization using ppm concentrations of organic acid. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1924-8	16.4	123
278	Ru(Cp*)Cl(PPh ₃) ₂ : A Versatile Catalyst for Living Radical Polymerization of Methacrylates, Acrylates, and Styrene1. <i>Macromolecules</i> , 2001 , 34, 4370-4374	5.5	123
277	Metal-catalyzed living radical polymerization: discovery and developments. <i>Chemical Record</i> , 2004 , 4, 159-75	6.6	117
276	FeCp(CO) ₂ : A Phosphine-Free Half-Metallocene-Type Iron(II) Catalyst for Living Radical Polymerization of Styrene1. <i>Macromolecules</i> , 1999 , 32, 6877-6880	5.5	117
275	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
274	Half-Metallocene-Type Ruthenium Complexes as Active Catalysts for Living Radical Polymerization of Methyl Methacrylate and Styrene1. <i>Macromolecules</i> , 1999 , 32, 3820-3823	5.5	112
273	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
272	Amphiphilic, Thermosensitive Ruthenium(II)-Bearing Star Polymer Catalysts: One-Pot Synthesis of PEG Armed Star Polymers with Ruthenium(II)-Enclosed Microgel Cores via Metal-Catalyzed Living Radical Polymerization. <i>Macromolecules</i> , 2007 , 40, 3581-3588	5.5	107
271	Silyl Enol Ethers: End-Capping Agents for Living Radical Polymerization of Methyl Methacrylate with Ruthenium Complex1. <i>Macromolecules</i> , 1998 , 31, 6708-6711	5.5	107
270	Catalytic Activities of Ruthenium(II) Complexes in Transition-Metal-Mediated Living Radical Polymerization: Polymerization, Model Reaction, and Cyclic Voltammetry 1. <i>Macromolecules</i> , 2000 , 33, 5825-5829	5.5	103
269	Core-Functionalized Star Polymers by Transition Metal-Catalyzed Living Radical Polymerization. 1. Synthesis and Characterization of Star Polymers with PMMA Arms and Amide Cores1. <i>Macromolecules</i> , 2001 , 34, 7629-7635	5.5	96
268	Living cationic polymerization of .alpha.-methylstyrene initiated with a vinyl ether-hydrogen chloride adduct in conjunction with tin tetrabromide. <i>Macromolecules</i> , 1993 , 26, 2670-2673	5.5	95

- 267 Stereoregulation in Living Radical Polymerization. *Macromolecules*, **2008**, 41, 269-276 5.5 94
- 266 A new ruthenium complex with an electron-donating aminoindenyl ligand for fast metal-mediated living radical polymerizations. *Journal of the American Chemical Society*, **2002**, 124, 9994-5 16.4 94
- 265 Iodine Transfer Radical Polymerization of Vinyl Acetate in Fluoroalcohols for Simultaneous Control of Molecular Weight, Stereospecificity, and Regiospecificity. *Macromolecules*, **2006**, 39, 4054-4061 5.5 93
- 264 Biomass-derived heat-resistant alicyclic hydrocarbon polymers: poly(terpenes) and their hydrogenated derivatives. *Green Chemistry*, **2006**, 8, 878 10 92
- 263 Core-Functionalized Star Polymers by Transition Metal-Catalyzed Living Radical Polymerization. 2. Selective Interaction with Protic Guests via Core Functionalities¹. *Macromolecules*, **2002**, 35, 1493-1498 5.5 82
- 262 Living Radical Polymerization in Water and Alcohols: Suspension Polymerization of Methyl Methacrylate with RuCl₂(PPh₃)₃ Complex¹. *Macromolecules*, **1999**, 32, 2204-2209 5.5 82
- 261 Immobilization of amphiphilic polycations by catechol functionality for antimicrobial coatings. *Langmuir*, **2011**, 27, 4010-9 4 81
- 260 Main-Chain and Side-Chain Sequence-Regulated Vinyl Copolymers by Iterative Atom Transfer Radical Additions and 1:1 or 2:1 Alternating Radical Copolymerization. *Journal of the American Chemical Society*, **2016**, 138, 944-54 16.4 80
- 259 Periodically Functionalized and Grafted Copolymers via 1:2-Sequence-Regulated Radical Copolymerization of Naturally Occurring Functional Limonene and Maleimide Derivatives. *Macromolecules*, **2013**, 46, 5473-5482 5.5 80
- 258 Living Cationic Isomerization Polymerization of β -Pinene. 1. Initiation with HCl₂-Chloroethyl Vinyl Ether Adduct/TiCl₃(OiPr) in Conjunction with nBu₄NCl¹. *Macromolecules*, **1997**, 30, 22-26 5.5 79
- 257 Design and synthesis of self-degradable antibacterial polymers by simultaneous chain- and step-growth radical copolymerization. *Biomacromolecules*, **2012**, 13, 1554-63 6.9 78
- 256 Discrete and Stereospecific Oligomers Prepared by Sequential and Alternating Single Unit Monomer Insertion. *Journal of the American Chemical Society*, **2018**, 140, 13392-13406 16.4 78
- 255 Living Random Copolymerization of Styrene and Methyl Methacrylate with a Ru(II) Complex and Synthesis of ABC-Type Block-Random Copolymers. *Macromolecules*, **1998**, 31, 5582-5587 5.5 77
- 254 Controlled Cationic Polymerization of p-Methoxystyrene in Aqueous Media with Yb(OTf)₃¹. *Macromolecules*, **1999**, 32, 3827-3832 5.5 77
- 253 Interconvertible living radical and cationic polymerization through reversible activation of dormant species with dual activity. *Angewandte Chemie - International Edition*, **2014**, 53, 10932-6 16.4 76
- 252 MALDI-TOF/MS Analysis of Ruthenium(II)-Mediated Living Radical Polymerizations of Methyl Methacrylate, Methyl Acrylate, and Styrene¹. *Macromolecules*, **2001**, 34, 2083-2088 5.5 76
- 251 Precision synthesis of bio-based acrylic thermoplastic elastomer by RAFT polymerization of itaconic acid derivatives. *Macromolecular Rapid Communications*, **2014**, 35, 161-167 4.8 75
- 250 Mn₂(CO)₁₀-Induced Controlled/Living Radical Copolymerization of Methyl Acrylate and 1-Hexene in Fluoroalcohol: High Olefin Content Copolymers with Controlled Molecular Weights. *Macromolecules*, **2009**, 42, 2497-2504 5.5 75

249	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
248	Immobilization of polysaccharide derivatives onto silica gel Facile synthesis of chiral packing materials by means of intermolecular polycondensation of triethoxysilyl groups. <i>Journal of Chromatography A</i> , 2007 , 1157, 151-8	4.5	74
247	Immobilized Polysaccharide-Based Chiral Stationary Phases for HPLC. <i>Polymer Journal</i> , 2006 , 38, 91-108	2.7	74
246	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
245	Living Radical Polymerization of Styrene by Half-Metallocene Iron Carbonyl Complexes ¹ . <i>Macromolecules</i> , 2000 , 33, 3543-3549	5.5	72
244	Living Radical Polymerization of N,N-Dimethylacrylamide with RuCl ₂ (PPh ₃) ₃ -Based Initiating Systems ¹ . <i>Macromolecules</i> , 1999 , 32, 8005-8009	5.5	72
243	Living radical polymerization of methyl methacrylate with a zerovalent nickel complex, Ni(PPh ₃). <i>Journal of Polymer Science Part A</i> , 1999 , 37, 3003-3009	2.5	71
242	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
241	High-performance liquid chromatographic enantioseparations on capillary columns containing monolithic silica modified with amylose tris(3,5-dimethylphenylcarbamate). <i>Journal of Chromatography A</i> , 2006 , 1110, 46-52	4.5	67
240	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
239	Immobilized-type chiral packing materials for HPLC based on polysaccharide derivatives. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 875, 2-11	3.2	66
238	High-performance liquid chromatographic enantioseparations on capillary columns containing crosslinked polysaccharide phenylcarbamate derivatives attached to monolithic silica. <i>Journal of Separation Science</i> , 2006 , 29, 1988-95	3.4	66
237	Sustainable cycloolefin polymer from pine tree oil for optoelectronics material: living cationic polymerization of α -pinene and catalytic hydrogenation of high-molecular-weight hydrogenated poly(α -pinene). <i>Polymer Chemistry</i> , 2014 , 5, 3222-3230	4.9	65
236	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
235	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
234	Stereoregulation in Cationic Polymerization by Designed Lewis Acids. 1. Highly Isotactic Poly(isobutyl vinyl ether) with Titanium-Based Lewis Acids ¹ . <i>Macromolecules</i> , 1999 , 32, 6407-6411	5.5	62
233	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
232	A linear lignin analogue: phenolic alternating copolymers from naturally occurring beta-methylstyrene via aqueous-controlled cationic copolymerization. <i>Journal of the American Chemical Society</i> , 2007 , 129, 9586-7	16.4	61

231	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
230	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
229	Novel BF ₃ OEt ₂ /ROH Initiating System for Controlled Cationic Polymerization of Styrene in the Presence of Water. <i>Macromolecules</i> , 2001 , 34, 396-401	5.5	59
228	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
227	Iron-Catalyzed Suspension Living Radical Polymerizations of Acrylates and Styrene in Water ¹ . <i>Macromolecules</i> , 2002 , 35, 2949-2954	5.5	58
226	Bio-Based Polyketones by Selective Ring-Opening Radical Polymerization of Pinene-Derived Pinocarvone. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1372-6	16.4	57
225	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
224	Progress and Perspectives Beyond Traditional RAFT Polymerization. <i>Advanced Science</i> , 2020 , 7, 2001656	13.6	55
223	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
222	Lanthanide Triflates-Mediated Emulsion Cationic Polymerization of p-Alkoxystyrenes in Aqueous Media ¹ . <i>Macromolecules</i> , 2000 , 33, 4660-4666	5.5	54
221	Living Radical Polymerization of Para-Substituted Styrenes and Synthesis of Styrene-Based Copolymers with Rhenium and Iron Complex Catalysts ¹ . <i>Macromolecules</i> , 2000 , 33, 6746-6751	5.5	54
220	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
219	Iron-catalyzed radical polymerization of acrylamides in the presence of Lewis acid for simultaneous control of molecular weight and tacticity. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 2086-2098	2.5	53
218	Reversible Activation of Carbon-Halogen Bonds by RuCl ₂ (PPh ₃) ₃ : Halogen Exchange Reactions in Living Radical Polymerization ¹ . <i>Macromolecules</i> , 2000 , 33, 2819-2824	5.5	53
217	Recent developments in metal-catalyzed living radical polymerization. <i>Polymer Journal</i> , 2011 , 43, 105-120.	13.7	52
216	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
215	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
214	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

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212	Metal-catalyzed radical polyaddition as a novel polymer synthetic route. <i>Chemical Communications</i> , 2007 , 1260-2	5.8	49
211	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
210	Stereogradient polymers by ruthenium-catalyzed stereospecific living radical copolymerization of two monomers with different stereospecificities and reactivities. <i>Journal of the American Chemical Society</i> , 2006 , 128, 16026-7	16.4	48
209	Simultaneous control of the stereospecificity and molecular weight in the ruthenium-catalyzed living radical polymerization of methyl and 2-hydroxyethyl methacrylates and sequential synthesis of stereoblock polymers. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 3609-3615	2.5	47
208	Metal Alkoxides as Additives for Ruthenium(II)-Catalyzed Living Radical Polymerization1. <i>Macromolecules</i> , 2000 , 33, 6732-6737	5.5	46
207	RuH ₂ (PPh ₃) ₄ : An Active Catalyst for Living Radical Polymerization of Methyl Methacrylate at or above Room Temperature1. <i>Macromolecules</i> , 1999 , 32, 6461-6465	5.5	46
206	Living Cationic Isomerization Polymerization of α -Pinene. 2. Synthesis of Block and Random Copolymers with Styrene or p-Methylstyrene. <i>Macromolecules</i> , 1997 , 30, 27-31	5.5	45
205	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
204	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
203	Molecular mapping of poly(methyl methacrylate) super-helix stereocomplexes. <i>Chemical Science</i> , 2015 , 6, 1370-1378	9.4	43
202	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
201	Stereospecific living radical polymerization for simultaneous control of molecular weight and tacticity. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 6147-6158	2.5	43
200	Direct Living Cationic Polymerization of p-Hydroxystyrene with Boron Trifluoride Etherate in the Presence of Water 1. <i>Macromolecules</i> , 2000 , 33, 5405-5410	5.5	43
199	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
198	Enantioseparation using urea- and imide-bearing chitosan phenylcarbamate derivatives as chiral stationary phases for high-performance liquid chromatography. <i>Chirality</i> , 2008 , 20, 288-94	2.1	42
197	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
196	Direct Synthesis of Amphiphilic Random and Block Copolymers of p-Hydroxystyrene and p-Methoxystyrene via Living Cationic Polymerization with BF ₃ OEt ₂ /ROH Systems 1. <i>Macromolecules</i> , 2000 , 33, 5830-5835	5.5	42

195	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
194	Synthesis and SANS Characterization of Poly(vinyl methyl ether)-block-polystyrene. <i>Macromolecules</i> , 1997 , 30, 6819-6825	5.5	41
193	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
192	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
191	Metal Triflates and Tetrafluoroborates as Water-Tolerant Lewis Acids for Cationic Polymerization in Aqueous Media ¹ . <i>Macromolecules</i> , 2000 , 33, 5836-5840	5.5	41
190	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
189	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
188	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
187	Chiral (DH)DIOP Ruthenium Complexes for Asymmetric Radical Addition and Living Radical Polymerization Reactions. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 782-791	3.2	38
186	Living Cationic Polymerization of Styrene with TiCl ₃ (OiPr) as a Lewis Acid Activator. <i>Macromolecules</i> , 1996 , 29, 6100-6103	5.5	38
185	A phosphonium intermediate for cationic RAFT polymerization. <i>Polymer Chemistry</i> , 2016 , 7, 1387-1396	4.9	37
184	Nano-to-macroscale poly(methyl methacrylate) stereocomplex assemblies. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8707-11	16.4	37
183	Evolution of iron catalysts for effective living radical polymerization: PDI chelate ligand for enhancement of catalytic performances. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 6819-6827	2.5	37
182	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
181	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
180	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
179	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
178	Metal Complex-Mediated Living Radical Polymerization: Features, Scope, and Precision Polymer Synthesis. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1997 , 34, 1803-1814	2.2	35

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176	Organic-inorganic hybrid materials for efficient enantioseparation using cellulose 3,5-dimethylphenylcarbamate and tetraethyl orthosilicate. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 1494-9	4.5	35
175	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
174	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
173	Triple Hydrogen Bonding for Stereospecific Radical Polymerization of a DAD Monomer and Simultaneous Control of Tacticity and Molecular Weight. <i>Macromolecules</i> , 2006 , 39, 6882-6886	5.5	33
172	Efficient Immobilization of Cellulose Phenylcarbamate Bearing Alkoxysilyl Group onto Silica Gel by Intermolecular Polycondensation and Its Chiral Recognition. <i>Chemistry Letters</i> , 2006 , 35, 1250-1251	1.7	33
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