

Masami Kamigaito

List of Publications by Year in descending order

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322
docs citations

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times ranked

7624
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Catalyzed Living Radical Polymerization. Chemical Reviews, 2001, 101, 3689-3746.	47.7	3,247
2	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. Macromolecules, 1995, 28, 1721-1723.	4.8	2,942
3	Iron(II) Chloride Complex for Living Radical Polymerization of Methyl Methacrylate1. Macromolecules, 1997, 30, 4507-4510.	4.8	452
4	Nickel-Mediated Living Radical Polymerization of Methyl Methacrylate1. Macromolecules, 1997, 30, 2249-2253.	4.8	293
5	Stereospecific Living Radical Polymerization: Dual Control of Chain Length and Tacticity for Precision Polymer Synthesis. Chemical Reviews, 2009, 109, 5120-5156.	47.7	274
6	Living Radical Polymerization of Methyl Methacrylate with Ruthenium Complex:Â Formation of Polymers with Controlled Molecular Weights and Very Narrow Distributions1. Macromolecules, 1996, 29, 1070-1072.	4.8	254
7	Beyond Traditional RAFT: Alternative Activation of Thiocarbonylthio Compounds for Controlled Polymerization. Advanced Science, 2016, 3, 1500394.	11.2	249
8	AAB-Sequence Living Radical Chain Copolymerization of Naturally Occurring Limonene with Maleimide: An End-to-End Sequence-Regulated Copolymer. Journal of the American Chemical Society, 2010, 132, 10003-10005.	13.7	248
9	Sequence-regulated vinyl copolymers by metal-catalysed step-growth radical polymerization. Nature Communications, 2010, 1, 6.	12.8	226
10	RAFT Polymerization of N-Isopropylacrylamide in the Absence and Presence of Y(OTf)3: Simultaneous Control of Molecular Weight and Tacticity. Macromolecules, 2004, 37, 1702-1710.	4.8	220
11	Xanthate-Mediated Radical Polymerization of N-Vinylpyrrolidone in Fluoroalcohols for Simultaneous Control of Molecular Weight and Tacticity. Macromolecules, 2005, 38, 10397-10405.	4.8	210
12	Star-Shaped Polymers by Metal-Catalyzed Living Radical Polymerization. 1. Design of Ru(II)-Based Systems and Divinyl Linking Agents. Macromolecules, 2001, 34, 215-221.	4.8	201
13	Possibility of Living Radical Polymerization of Vinyl Acetate Catalyzed by Iron(I) Complex1. Macromolecules, 2002, 35, 330-333.	4.8	201
14	Synthesis of Isotactic Poly(N-isopropylacrylamide) by RAFT Polymerization in the Presence of Lewis Acid. Macromolecules, 2003, 36, 543-545.	4.8	189
15	Calixarene-Core Multifunctional Initiators for the Ruthenium-Mediated Living Radical Polymerization of Methacrylates1. Macromolecules, 1998, 31, 6762-6768.	4.8	183
16	Effect of Tacticity of Poly(N-isopropylacrylamide) on the Phase Separation Temperature of Its Aqueous Solutions. Polymer Journal, 2005, 37, 234-237.	2.7	180
17	NiBr2(Pn-Bu3)2-Mediated Living Radical Polymerization of Methacrylates and Acrylates and Their Block or Random Copolymerizations1. Macromolecules, 1998, 31, 6756-6761.	4.8	179
18	Cationic RAFT Polymerization Using ppm Concentrations of Organic Acid. Angewandte Chemie - International Edition, 2015, 54, 1924-1928.	13.8	165

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19	Living Radical Polymerization of Alkyl Methacrylates with Ruthenium Complex and Synthesis of Their Block Copolymers. <i>Macromolecules</i> , 1996, 29, 6979-6982.	4.8	158
20	Design of initiators for living radical polymerization of methyl methacrylate mediated by ruthenium(II) complex. <i>Tetrahedron</i> , 1997, 53, 15445-15457.	1.9	157
21	Multifunctional Initiators for the Ruthenium-Mediated Living Radical Polymerization of Methyl Methacrylate: A Di- and Trifunctional Dichloroacetates for Synthesis of Multiarmed Polymers. <i>Macromolecules</i> , 1998, 31, 557-562.	4.8	150
22	Polymer Catalysts from Polymerization Catalysts: A 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, 5288-5289.	13.7	148
23	Evidence for Living Radical Polymerization of Methyl Methacrylate with Ruthenium Complex: Effects of Protic and Radical Compounds and Reinitiation from the Recovered Polymers. <i>Macromolecules</i> , 1997, 30, 2244-2248.	4.8	143
24	Re(V)-Mediated Living Radical Polymerization of Styrene: $\text{ReO}_2\text{I}(\text{PPh}_3)_2/\text{R}^\bullet\text{I}$ Initiating Systems. <i>Macromolecules</i> , 1999, 32, 2420-2424.	4.8	140
25	Progress and Perspectives Beyond Traditional RAFT Polymerization. <i>Advanced Science</i> , 2020, 7, 2001656.	11.2	139
26	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.	4.8	135
27	$\text{Ru}(\text{Cp}^*)\text{Cl}(\text{PPh}_3)_2$: A Versatile Catalyst for Living Radical Polymerization of Methacrylates, Acrylates, and Styrene. <i>Macromolecules</i> , 2001, 34, 4370-4374.	4.8	131
28	$\text{FeCp}(\text{CO})_2\text{I}$: A Phosphine-Free Half-Metallocene-Type Iron(II) Catalyst for Living Radical Polymerization of Styrene. <i>Macromolecules</i> , 1999, 32, 6877-6880.	4.8	129
29	Half-Metallocene-Type Ruthenium Complexes as Active Catalysts for Living Radical Polymerization of Methyl Methacrylate and Styrene. <i>Macromolecules</i> , 1999, 32, 3820-3823.	4.8	123
30	Metal-catalyzed living radical polymerization: discovery and developments. <i>Chemical Record</i> , 2004, 4, 159-175.	5.8	123
31	Silyl Enol Ethers: End-Capping Agents for Living Radical Polymerization of Methyl Methacrylate with Ruthenium Complex. <i>Macromolecules</i> , 1998, 31, 6708-6711.	4.8	117
32	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.	4.8	117
33	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.	4.8	114
34	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.	4.8	113
35	Catalytic Activities of Ruthenium(II) Complexes in Transition-Metal-Mediated Living Radical Polymerization: A Polymerization, Model Reaction, and Cyclic Voltammetry. <i>Macromolecules</i> , 2000, 33, 5825-5829.	4.8	112
36	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.	13.7	110

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37	Iodine Transfer Radical Polymerization of Vinyl Acetate in Fluoroalcohols for Simultaneous Control of Molecular Weight, Stereospecificity, and Regiospecificity. <i>Macromolecules</i> , 2006, 39, 4054-4061.	4.8	104
38	Stereoregulation in Living Radical Polymerization. <i>Macromolecules</i> , 2008, 41, 269-276.	4.8	103
39	Core-Functionalized Star Polymers by Transition Metal-Catalyzed Living Radical Polymerization. 1. Synthesis and Characterization of Star Polymers with PMMA Arms and Amide Cores ¹ . <i>Macromolecules</i> , 2001, 34, 7629-7635.	4.8	102
40	Biomass-derived heat-resistant alicyclic hydrocarbon polymers: poly(terpenes) and their hydrogenated derivatives. <i>Green Chemistry</i> , 2006, 8, 878.	9.0	99
41	Design and Synthesis of Self-Degradable Antibacterial Polymers by Simultaneous Chain- and Step-Growth Radical Copolymerization. <i>Biomacromolecules</i> , 2012, 13, 1554-1563.	5.4	99
42	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, 9994-9995.	13.7	97
43	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, 944-954.	13.7	94
44	Controlled Cationic Polymerization of p-Methoxystyrene in Aqueous Media with Yb(OTf) ₃ . <i>Macromolecules</i> , 1999, 32, 3827-3832.	4.8	92
45	Living Radical Polymerization in Water and Alcohols: A Suspension Polymerization of Methyl Methacrylate with RuCl ₂ (PPh ₃) ₃ Complex ¹ . <i>Macromolecules</i> , 1999, 32, 2204-2209.	4.8	91
46	Immobilization of Amphiphilic Polycations by Catechol Functionality for Antimicrobial Coatings. <i>Langmuir</i> , 2011, 27, 4010-4019.	3.5	89
47	Interconvertible Living Radical and Cationic Polymerization through Reversible Activation of Dormant Species with Dual Activity. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10932-10936.	13.8	88
48	Precision Synthesis of Bio-Based Acrylic Thermoplastic Elastomer by RAFT Polymerization of Itaconic Acid Derivatives. <i>Macromolecular Rapid Communications</i> , 2014, 35, 161-167.	3.9	88
49	Living Cationic Isomerization Polymerization of β -Pinene. 1. Initiation with HCl \cdot 2-Chloroethyl Vinyl Ether Adduct/TiCl ₃ (OiPr) in Conjunction with nBu ₄ NCl ¹ . <i>Macromolecules</i> , 1997, 30, 22-26.	4.8	86
50	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.	4.8	86
51	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.	4.8	85
52	Living Random Copolymerization of Styrene and Methyl Methacrylate with a Ru(II) Complex and Synthesis of ABC-Type $\alpha\omega$ -Block-Random $\alpha\omega$ -Copolymers. <i>Macromolecules</i> , 1998, 31, 5582-5587.	4.8	84
53	Core-Functionalized Star Polymers by Transition Metal-Catalyzed Living Radical Polymerization. 2. Selective Interaction with Protic Guests via Core Functionalities ¹ . <i>Macromolecules</i> , 2002, 35, 1493-1498.	4.8	84
54	Immobilized Polysaccharide-Based Chiral Stationary Phases for HPLC. <i>Polymer Journal</i> , 2006, 38, 91-108.	2.7	84

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55	Immobilization of polysaccharide derivatives onto silica gel. <i>Journal of Chromatography A</i> , 2007, 1157, 151-158.	3.7	83
56	Mn ₂ (CO) ₁₀ -Induced Controlled/Living Radical Copolymerization of Methyl Acrylate and 1-Hexene in Fluoroalcohol: High 1-Olefin Content Copolymers with Controlled Molecular Weights. <i>Macromolecules</i> , 2009, 42, 2497-2504.	4.8	83
57	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.	4.8	83
58	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.	4.8	81
59	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.	4.8	80
60	MALDI-TOF-MS Analysis of Ruthenium(II)-Mediated Living Radical Polymerizations of Methyl Methacrylate, Methyl Acrylate, and Styrene. <i>Macromolecules</i> , 2001, 34, 2083-2088.	4.8	80
61	Sustainable cycloolefin polymer from pine tree oil for optoelectronics material: living cationic polymerization of 1 ² -pinene and catalytic hydrogenation of high-molecular-weight hydrogenated poly(1 ² -pinene). <i>Polymer Chemistry</i> , 2014, 5, 3222-3230.	3.9	79
62	Stereoregulation in Cationic Polymerization by Designed Lewis Acids. 1. Highly Isotactic Poly(isobutyl) Tj ETQq 0 0 0 rgBT /Overclock 10 Tj	4.8	78
63	Living Radical Polymerization of Styrene by Half-Metallocene Iron Carbonyl Complexes. <i>Macromolecules</i> , 2000, 33, 3543-3549.	4.8	78
64	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.	2.3	78
65	Living radical polymerization of methyl methacrylate with a zerovalent nickel complex, Ni(PPh ₃) ₄ . <i>Journal of Polymer Science Part A</i> , 1999, 37, 3003-3009.	2.3	76
66	Living Radical Polymerization of N,N-Dimethylacrylamide with RuCl ₂ (PPh ₃) ₃ -Based Initiating Systems. <i>Macromolecules</i> , 1999, 32, 8005-8009.	4.8	75
67	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.	3.7	73
68	Stereogradient Polymers Formed by Controlled/Living Radical Polymerization of Bulky Methacrylate Monomers. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1991-1994.	13.8	73
69	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, 1988-1995.	2.5	72
70	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.	2.3	70
71	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.	2.3	70
72	Thioether-Mediated Degenerative Chain-Transfer Cationic Polymerization: A Simple Metal-Free System for Living Cationic Polymerization. <i>Macromolecules</i> , 2015, 48, 5533-5542.	4.8	70

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73	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.	4.8	69
74	Novel BF ₃ OEt ₂ /R ⁺ OH Initiating System for Controlled Cationic Polymerization of Styrene in the Presence of Water. <i>Macromolecules</i> , 2001, 34, 396-401.	4.8	69
75	Amine Additives for Fast Living Radical Polymerization of Methyl Methacrylate with RuCl ₂ (PPh ₃) ₃ . <i>Macromolecules</i> , 2002, 35, 2934-2940.	4.8	69
76	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, 7498-7507.	13.7	69
77	Bio-Based Polyketones by Selective Ring-Opening Radical Polymerization of β -Pinene-Derived Pinocarvone. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1372-1376.	13.8	67
78	Combination of Cationic and Radical RAFT Polymerizations: A Versatile Route to Well-Defined Poly(ethyl vinyl ether)- <i>block</i> -poly(vinylidene fluoride) Block Copolymers. <i>ACS Macro Letters</i> , 2017, 6, 393-398.	4.8	67
79	A Linear Lignin Analogue: β -Phenolic Alternating Copolymers from Naturally Occurring β -Methylstyrene via Aqueous-Controlled Cationic Copolymerization. <i>Journal of the American Chemical Society</i> , 2007, 129, 9586-9587.	13.7	66
80	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.	4.8	65
81	Lanthanide Triflates-Mediated Emulsion Cationic Polymerization of <i>p</i> -Alkoxy Styrenes in Aqueous Media. <i>Macromolecules</i> , 2000, 33, 4660-4666.	4.8	63
82	Reversible Activation of Carbon-Halogen Bonds by RuCl ₂ (PPh ₃) ₃ : Halogen Exchange Reactions in Living Radical Polymerization. <i>Macromolecules</i> , 2000, 33, 2819-2824.	4.8	60
83	Iron-Catalyzed Suspension Living Radical Polymerizations of Acrylates and Styrene in Water. <i>Macromolecules</i> , 2002, 35, 2949-2954.	4.8	59
84	Recent developments in metal-catalyzed living radical polymerization. <i>Polymer Journal</i> , 2011, 43, 105-120.	2.7	59
85	Living Radical Polymerization of Para-Substituted Styrenes and Synthesis of Styrene-Based Copolymers with Rhenium and Iron Complex Catalysts. <i>Macromolecules</i> , 2000, 33, 6746-6751.	4.8	58
86	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.	2.3	58
87	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.	3.9	57
88	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.	2.3	55
89	Metal-catalyzed radical polyaddition as a novel polymer synthetic route. <i>Chemical Communications</i> , 2007, , 1260.	4.1	55
90	Effects of Tacticity and Molecular Weight of Poly(<i>N</i> -isopropylacrylamide) on Its Glass Transition Temperature. <i>Macromolecules</i> , 2011, 44, 5822-5824.	4.8	55

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91	Stereospecific Cyclic Poly(methyl methacrylate) and Its Topology-Guided Hierarchically Controlled Supramolecular Assemblies. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 459-464.	13.8	55
92	Cationic RAFT and DT polymerization. <i>Progress in Polymer Science</i> , 2022, 124, 101485.	24.7	53
93	End-Functionalized Polymers of Styrene and p-Methylstyrene by Living Cationic Polymerization with Functionalized Initiators. <i>Macromolecules</i> , 1994, 27, 1093-1098.	4.8	52
94	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.	2.3	52
95	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, 16026-16027.	13.7	52
96	A phosphonium intermediate for cationic RAFT polymerization. <i>Polymer Chemistry</i> , 2016, 7, 1387-1396.	3.9	52
97	RuH ₂ (PPh ₃) ₄ : An Active Catalyst for Living Radical Polymerization of Methyl Methacrylate at or above Room Temperature ¹ . <i>Macromolecules</i> , 1999, 32, 6461-6465.	4.8	51
98	Metal Alkoxides as Additives for Ruthenium(II)-Catalyzed Living Radical Polymerization. <i>Macromolecules</i> , 2000, 33, 6732-6737.	4.8	50
99	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.	4.8	50
100	Molecular mapping of poly(methyl methacrylate) super-helix stereocomplexes. <i>Chemical Science</i> , 2015, 6, 1370-1378.	7.4	50
101	Direct Living Cationic Polymerization of p-Hydroxystyrene with Boron Trifluoride Etherate in the Presence of Water ¹ . <i>Macromolecules</i> , 2000, 33, 5405-5410.	4.8	49
102	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.	2.3	49
103	Living Cationic Isomerization Polymerization of β -Pinene. 2. Synthesis of Block and Random Copolymers with Styrene or p-Methylstyrene. <i>Macromolecules</i> , 1997, 30, 27-31.	4.8	48
104	Metal Triflates and Tetrafluoroborates as Water-Tolerant Lewis Acids for Cationic Polymerization in Aqueous Media ¹ . <i>Macromolecules</i> , 2000, 33, 5836-5840.	4.8	48
105	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.	2.3	47
106	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.	2.3	47
107	Stereospecific living radical polymerization for simultaneous control of molecular weight and tacticity. <i>Journal of Polymer Science Part A</i> , 2006, 44, 6147-6158.	2.3	47
108	In Situ and Time-Resolved Small-Angle Neutron Scattering Observation of Star Polymer Formation via Arm-Linking Reaction in Ruthenium-Catalyzed Living Radical Polymerization. <i>Macromolecules</i> , 2010, 43, 8218-8232.	4.8	47

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109	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.	2.3	46
110	Mn ₂ (CO) ₁₀ -Induced RAFT Polymerization of Vinyl Acetate, Methyl Acrylate, and Styrene. <i>Polymer Journal</i> , 2009, 41, 595-603.	2.7	46
111	Degradable Poly(<i>N</i> -isopropylacrylamide) with Tunable Thermosensitivity by Simultaneous Chain- and Step-Growth Radical Polymerization. <i>Macromolecules</i> , 2011, 44, 2382-2386.	4.8	46
112	Synergistic Advances in Living Cationic and Radical Polymerizations. <i>Macromolecules</i> , 2020, 53, 6749-6753.	4.8	46
113	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.	2.6	45
114	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.	2.3	45
115	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.	2.3	45
116	Living Cationic Polymerization of Styrene with TiCl ₃ (OiPr) as a Lewis Acid Activator. <i>Macromolecules</i> , 1996, 29, 6100-6103.	4.8	44
117	Enantioseparation using urea- and imide-bearing chitosan phenylcarbamate derivatives as chiral stationary phases for high-performance liquid chromatography. <i>Chirality</i> , 2008, 20, 288-294.	2.6	44
118	Synthesis and SANS Characterization of Poly(vinyl methyl ether)-block-polystyrene. <i>Macromolecules</i> , 1997, 30, 6819-6825.	4.8	43
119	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.	2.3	43
120	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.	2.3	41
121	Chiral (â€‘)-DIOP Ruthenium Complexes for Asymmetric Radical Addition and Living Radical Polymerization Reactions. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 782-791.	2.4	41
122	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.	4.8	41
123	Cationic polymerization of β -pinene with the binary catalyst AlCl ₃ /SbCl ₃ . <i>Die Makromolekulare Chemie</i> , 1992, 193, 2311-2321.	1.1	40
124	Nano- to Macro-scale Poly(methyl methacrylate) Stereocomplex Assemblies. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8707-8711.	13.8	40
125	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.	3.9	40
126	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.	4.8	40

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127	In-Situ ¹³ C and ¹ H NMR Analysis of the Growing Species in Living Cationic Polymerization of Isobutyl Vinyl Ether by the HCl/SnCl ₄ Initiating System in the Presence of a nBu ₄ NCl Salt. <i>Macromolecules</i> , 1995, 28, 3747-3755.	4.8	39
128	Evolution of iron catalysts for effective living radical polymerization: Pâ€N chelate ligand for enhancement of catalytic performances. <i>Journal of Polymer Science Part A</i> , 2008, 46, 6819-6827.	2.3	39
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