Masami Kamigaito

List of Publications by Year
in descending order

317	21,157	11675 70	11840 136
papers	citations	h-index	g-index

338	338	338	8830
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal-Catalyzed Living Radical Polymerization. Chemical Reviews, 2001, 101, 3689-3746.	51.4	3,264
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.	5.1	2,963
3	Iron(II) Chloride Complex for Living Radical Polymerization of Methyl Methacrylate1. Macromolecules, 1997, 30, 4507-4510.	5.1	452
4	Nickel-Mediated Living Radical Polymerization of Methyl Methacrylate1. Macromolecules, 1997, 30, 2249-2253.	5.1	294
5	Stereospecific Living Radical Polymerization: Dual Control of Chain Length and Tacticity for Precision Polymer Synthesis. Chemical Reviews, 2009, 109, 5120-5156.	51.4	277
6	Beyond Traditional RAFT: Alternative Activation of Thiocarbonylthio Compounds for Controlled Polymerization. Advanced Science, 2016, 3, 1500394.	12.4	258
7	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.	5.1	254
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.	14.6	251
9	Sequence-regulated vinyl copolymers by metal-catalysed step-growth radical polymerization. Nature Communications, 2010, 1, 6.	13.2	230
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.	5.1	220
11	Xanthate-Mediated Radical Polymerization of N-Vinylpyrrolidone in Fluoroalcohols for Simultaneous Control of Molecular Weight and Tacticity. Macromolecules, 2005, 38, 10397-10405.	5.1	211
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.	5.1	201
13	Possibility of Living Radical Polymerization of Vinyl Acetate Catalyzed by Iron(I) Complex1. Macromolecules, 2002, 35, 330-333.	5.1	201
14	Synthesis of Isotactic Poly(N-isopropylacrylamide) by RAFT Polymerization in the Presence of Lewis Acid. Macromolecules, 2003, 36, 543-545.	5.1	189
15	Calixarene-Core Multifunctional Initiators for the Ruthenium-Mediated Living Radical Polymerization of Methacrylates1. Macromolecules, 1998, 31, 6762-6768.	5.1	184
16	Effect of Tacticity of Poly(N-isopropylacrylamide) on the Phase Separation Temperature of Its Aqueous Solutions. Polymer Journal, 2005, 37, 234-237.	2.8	181
17	NiBr2(Pn-Bu3)2-Mediated Living Radical Polymerization of Methacrylates and Acrylates and Their Block or Random Copolymerizations1. Macromolecules, 1998, 31, 6756-6761.	5.1	180
18	Cationic RAFT Polymerization Using ppm Concentrations of Organic Acid. Angewandte Chemie - International Edition, 2015, 54, 1924-1928.	14.8	172

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19	Progress and Perspectives Beyond Traditional RAFT Polymerization. Advanced Science, 2020, 7, 2001656.	12.4	166
20	Living Radical Polymerization of Alkyl Methacrylates with Ruthenium Complex and Synthesis of Their Block Copolymers. Macromolecules, 1996, 29, 6979-6982.	5.1	159
21	Design of initiators for living radical polymerization of methyl methacrylate mediated by ruthenium(II) complex. Tetrahedron, 1997, 53, 15445-15457.	2.0	158
22	Polymer Catalysts from Polymerization Catalysts:Â Direct Encapsulation of Metal Catalyst into Star Polymer Core during Metal-Catalyzed Living Radical Polymerization. Journal of the American Chemical Society, 2003, 125, 5288-5289.	14.6	152
23	Multifunctional Initiators for the Ruthenium-Mediated Living Radical Polymerization of Methyl Methacrylate:Â Di- and Trifunctional Dichloroacetates for Synthesis of Multiarmed Polymers1. Macromolecules, 1998, 31, 557-562.	5.1	150
24	Evidence for Living Radical Polymerization of Methyl Methacrylate with Ruthenium Complex:Â Effects of Protic and Radical Compounds and Reinitiation from the Recovered Polymers1. Macromolecules, 1997, 30, 2244-2248.	5.1	143
25	Re(V)-Mediated Living Radical Polymerization of Styrene:1ReO2I(PPh3)2/Râ^'I Initiating Systems. Macromolecules, 1999, 32, 2420-2424.	5.1	140
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. Macromolecules, 1993, 26, 1643-1649.	5.1	136
27	Ru(Cp*)Cl(PPh3)2:Â A Versatile Catalyst for Living Radical Polymerization of Methacrylates, Acrylates, and Styrene1. Macromolecules, 2001, 34, 4370-4374.	5.1	132
28	FeCp(CO)2I:Â A Phosphine-Free Half-Metallocene-Type Iron(II) Catalyst for Living Radical Polymerization of Styrene1. Macromolecules, 1999, 32, 6877-6880.	5.1	129
29	Metal-catalyzed living radical polymerization: discovery and developments. Chemical Record, 2004, 4, 159-175.	6.5	127
30	Half-Metallocene-Type Ruthenium Complexes as Active Catalysts for Living Radical Polymerization of Methyl Methacrylate and Styrene1. Macromolecules, 1999, 32, 3820-3823.	5.1	124
31	Silyl Enol Ethers:Â End-Capping Agents for Living Radical Polymerization of Methyl Methacrylate with Ruthenium Complex1. Macromolecules, 1998, 31, 6708-6711.	5.1	118
32	Manganese-Based Controlled/Living Radical Polymerization of Vinyl Acetate, Methyl Acrylate, and Styrene: Highly Active, Versatile, and Photoresponsive Systems. Macromolecules, 2008, 41, 7359-7367.	5.1	118
33	Discrete and Stereospecific Oligomers Prepared by Sequential and Alternating Single Unit Monomer Insertion. Journal of the American Chemical Society, 2018, 140, 13392-13406.	14.6	117
34	Amphiphilic, Thermosensitive Ruthenium(II)-Bearing Star Polymer Catalysts:Â One-Pot Synthesis of PEG Armed Star Polymers with Ruthenium(II)-Enclosed Microgel Cores via Metal-Catalyzed Living Radical Polymerization. Macromolecules, 2007, 40, 3581-3588.	5.1	116
35	Living cationic polymerization of .alpha.-methylstyrene initiated with a vinyl ether-hydrogen chloride adduct in conjunction with tin tetrabromide. Macromolecules, 1993, 26, 2670-2673.	5.1	114
36	Catalytic Activities of Ruthenium(II) Complexes in Transition-Metal-Mediated Living Radical Polymerization:Â Polymerization, Model Reaction, and Cyclic Voltammetry1. Macromolecules, 2000, 33, 5825-5829.	5.1	112

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37	Iodine Transfer Radical Polymerization of Vinyl Acetate in Fluoroalcohols for Simultaneous Control of Molecular Weight, Stereospecificity, and Regiospecificity. Macromolecules, 2006, 39, 4054-4061.	5.1	104
38	Stereoregulation in Living Radical Polymerization. Macromolecules, 2008, 41, 269-276.	5.1	104
39	Design and Synthesis of Self-Degradable Antibacterial Polymers by Simultaneous Chain- and Step-Growth Radical Copolymerization. Biomacromolecules, 2012, 13, 1554-1563.	5.6	103
40	Core-Functionalized Star Polymers by Transition Metal-Catalyzed Living Radical Polymerization. 1. Synthesis and Characterization of Star Polymers with PMMA Arms and Amide Cores1. Macromolecules, 2001, 34, 7629-7635.	5.1	102
41	Biomass-derived heat-resistant alicyclic hydrocarbon polymers: poly(terpenes) and their hydrogenated derivatives. Green Chemistry, 2006, 8, 878.	9.4	100
42	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, 9994-9995.	14.6	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. Journal of the American Chemical Society, 2016, 138, 944-954.	14.6	97
44	Controlled Cationic Polymerization of p-Methoxystyrene in Aqueous Media with Yb(OTf)3. Macromolecules, 1999, 32, 3827-3832.	5.1	94
45	Living Radical Polymerization in Water and Alcohols:Â Suspension Polymerization of Methyl Methacrylate with RuCl2(PPh3)3Complex1. Macromolecules, 1999, 32, 2204-2209.	5.1	93
46	Immobilization of Amphiphilic Polycations by Catechol Functionality for Antimicrobial Coatings. Langmuir, 2011, 27, 4010-4019.	3.7	92
47	Interconvertible Living Radical and Cationic Polymerization through Reversible Activation of Dormant Species with Dual Activity. Angewandte Chemie - International Edition, 2014, 53, 10932-10936.	14.8	91
48	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.	5.1	90
49	Precision Synthesis of Bioâ€Based Acrylic Thermoplastic Elastomer by RAFT Polymerization of Itaconic Acid Derivatives. Macromolecular Rapid Communications, 2014, 35, 161-167.	4.4	90
50	Living Cationic Isomerization Polymerization of Î²-Pinene. 1. Initiation with HClâ^'2-Chloroethyl Vinyl Ether Adduct/TiCl3(OiPr) in Conjunction withnBu4NCl1. Macromolecules, 1997, 30, 22-26.	5.1	88
51	Bio-Based Functional Styrene Monomers Derived from Naturally Occurring Ferulic Acid for Poly(vinylcatechol) and Poly(vinylguaiacol) via Controlled Radical Polymerization. Macromolecules, 2017, 50, 4206-4216.	5.1	87
52	Immobilized Polysaccharide-Based Chiral Stationary Phases for HPLC. Polymer Journal, 2006, 38, 91-108.	2.8	86
53	Living cationic polymerization of isobutyl vinyl ether by RCOOH/Lewis acid initiating systems: effects of carboxylate ions and Lewis acid activators. Macromolecules, 1991, 24, 3988-3992.	5.1	85
54	Living Random Copolymerization of Styrene and Methyl Methacrylate with a Ru(II) Complex and Synthesis of ABC-Type â€œBlock-Randomâ€•Copolymers. Macromolecules, 1998, 31, 5582-5587.	5.1	84

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55	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.	5.1	84
56	Immobilization of polysaccharide derivatives onto silica gel. Journal of Chromatography A, 2007, 1157, 151-158.	3.8	84
57	In-Situ Direct Mechanistic Transformation from RAFT to Living Cationic Polymerization for (Meth)acrylateâ^'Vinyl Ether Block Copolymers. Macromolecules, 2010, 43, 7523-7531.	5.1	84
58	Mn₂(CO)₁₀-Induced Controlled/Living Radical Copolymerization of Methyl Acrylate and 1-Hexene in Fluoroalcohol: High Î±-Olefin Content Copolymers with Controlled Molecular Weights. Macromolecules, 2009, 42, 2497-2504.	5.1	83
59	Sustainable cycloolefin polymer from pine tree oil for optoelectronics material: living cationic polymerization of Î²-pinene and catalytic hydrogenation of high-molecular-weight hydrogenated poly(Î²-pinene). Polymer Chemistry, 2014, 5, 3222-3230.	4.0	82
60	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. Macromolecules, 1992, 25, 2587-2591.	5.1	81
61	MALDIâ^'TOFâ^'MS Analysis of Ruthenium(II)-Mediated Living Radical Polymerizations of Methyl Methacrylate, Methyl Acrylate, and Styrene1. Macromolecules, 2001, 34, 2083-2088.	5.1	80
62	1:2â€sequenceâ€regulated radical copolymerization of naturally occurring terpenes with maleimide derivatives in fluorinated alcohol. Journal of Polymer Science Part A, 2013, 51, 1774-1785.	2.4	79
63	Stereoregulation in Cationic Polymerization by Designed Lewis Acids. 1. Highly Isotactic Poly(isobutyl) Tj ETQq1 1 0.784314 rgBT /Ov	5.1	78
64	Living Radical Polymerization of Styrene by Half-Metallocene Iron Carbonyl Complexes1. Macromolecules, 2000, 33, 3543-3549.	5.1	78
65	Living radical polymerization of methyl methacrylate with a zerovalent nickel complex, Ni(PPh3)41. Journal of Polymer Science Part A, 1999, 37, 3003-3009.	2.4	77
66	Living Radical Polymerization of N,N-Dimethylacrylamide with RuCl2(PPh3)3-Based Initiating Systems. Macromolecules, 1999, 32, 8005-8009.	5.1	75
67	Stereogradient Polymers Formed by Controlled/Living Radical Polymerization of Bulky Methacrylate Monomers. Angewandte Chemie - International Edition, 2009, 48, 1991-1994.	14.8	74
68	High-performance liquid chromatographic enantioseparations on capillary columns containing monolithic silica modified with amylose tris(3,5-dimethylphenylcarbamate). Journal of Chromatography A, 2006, 1110, 46-52.	3.8	73
69	High-performance liquid chromatographic enantioseparations on capillary columns containing crosslinked polysaccharide phenylcarbamate derivatives attached to monolithic silica. Journal of Separation Science, 2006, 29, 1988-1995.	2.9	72
70	Metal-Catalyzed Simultaneous Chain- and Step-Growth Radical Polymerization: Marriage of Vinyl Polymers and Polyesters. Journal of the American Chemical Society, 2010, 132, 7498-7507.	14.6	71
71	Novel BF3OEt2/Râ^'OH Initiating System for Controlled Cationic Polymerization of Styrene in the Presence of Water. Macromolecules, 2001, 34, 396-401.	5.1	70
72	Immobilized-type chiral packing materials for HPLC based on polysaccharide derivatives. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 875, 2-11.	2.4	70

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73	Mn₂(CO)₁₀â€induced controlled/living radical copolymerization of vinyl acetate and methyl acrylate: Spontaneous formation of block copolymers consisting of gradient and homopolymer segments. Journal of Polymer Science Part A, 2009, 47, 1343-1353.	2.4	70
74	Thioether-Mediated Degenerative Chain-Transfer Cationic Polymerization: A Simple Metal-Free System for Living Cationic Polymerization. Macromolecules, 2015, 48, 5533-5542.	5.1	70
75	Living cationic polymerization of isobutyl vinyl ether by benzoic acid derivatives/zinc chloride initiating systems: slow interconversion between dormant and activated growing species. Macromolecules, 1992, 25, 6400-6406.	5.1	69
76	Amine Additives for Fast Living Radical Polymerization of Methyl Methacrylate with RuCl2(PPh3)31. Macromolecules, 2002, 35, 2934-2940.	5.1	69
77	Bioâ€Based Polyketones by Selective Ringâ€Opening Radical Polymerization of Î±â€Pineneâ€Derived Pinocarvone. Angewandte Chemie - International Edition, 2016, 55, 1372-1376.	14.8	69
78	Combination of Cationic and Radical RAFT Polymerizations: A Versatile Route to Well-Defined Poly(ethyl vinyl ether)-block-poly(vinylidene fluoride) Block Copolymers. ACS Macro Letters, 2017, 6, 393-398.	4.9	68
79	A Linear Lignin Analogue:Â Phenolic Alternating Copolymers from Naturally Occurring Î²-Methylstyrene via Aqueous-Controlled Cationic Copolymerization. Journal of the American Chemical Society, 2007, 129, 9586-9587.	14.6	66
80	Evolution of Iron Catalysts for Effective Living Radical Polymerization:Â Design of Phosphine/Halogen Ligands in FeX2(PR3)21. Macromolecules, 2007, 40, 8658-8662.	5.1	65
81	Lanthanide Triflates-Mediated Emulsion Cationic Polymerization ofp-Alkoxystyrenes in Aqueous Media1. Macromolecules, 2000, 33, 4660-4666.	5.1	64
82	Reversible Activation of Carbonâ^'Halogen Bonds by RuCl2(PPh3)3:Â Halogen Exchange Reactions in Living Radical Polymerization1. Macromolecules, 2000, 33, 2819-2824.	5.1	61
83	Living Radical Polymerization of Para-Substituted Styrenes and Synthesis of Styrene-Based Copolymers with Rhenium and Iron Complex Catalysts. Macromolecules, 2000, 33, 6746-6751.	5.1	60
84	Recent developments in metal-catalyzed living radical polymerization. Polymer Journal, 2011, 43, 105-120.	2.8	60
85	Iron-Catalyzed Suspension Living Radical Polymerizations of Acrylates and Styrene in Water1. Macromolecules, 2002, 35, 2949-2954.	5.1	59
86	Cationic RAFT and DT polymerization. Progress in Polymer Science, 2022, 124, 101485.	26.2	59
87	Iron-catalyzed radical polymerization of acrylamides in the presence of Lewis acid for simultaneous control of molecular weight and tacticity. Journal of Polymer Science Part A, 2006, 44, 2086-2098.	2.4	58
88	One-shot controlled/living copolymerization for various comonomer sequence distributions via dual radical and cationic active species from RAFT terminals. Polymer Chemistry, 2017, 8, 5002-5011.	4.0	57
89	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. Journal of Polymer Science Part A, 2006, 44, 4966-4980.	2.4	56
90	Metal-catalyzed radical polyaddition as a novel polymer synthetic route. Chemical Communications, 2007, , 1260.	4.2	56

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91	Effects of Tacticity and Molecular Weight of Poly(N-isopropylacrylamide) on Its Glass Transition Temperature. Macromolecules, 2011, 44, 5822-5824.	5.1	56
92	Stereospecific Cyclic Poly(methyl methacrylate) and Its Topologyâ€Guided Hierarchically Controlled Supramolecular Assemblies. Angewandte Chemie - International Edition, 2014, 53, 459-464.	14.8	55
93	End-Functionalized Polymers of Styrene and p-Methylstyrene by Living Cationic Polymerization with Functionalized Initiators. Macromolecules, 1994, 27, 1093-1098.	5.1	52
94	Synthesis of star-shaped copolymers with methyl methacrylate andn-butyl methacrylate by metal-catalyzed living radical polymerization: Block and random copolymer arms and microgel cores. Journal of Polymer Science Part A, 2002, 40, 633-641.	2.4	52
95	Stereogradient Polymers by Ruthenium-Catalyzed Stereospecific Living Radical Copolymerization of Two Monomers with Different Stereospecificities and Reactivities. Journal of the American Chemical Society, 2006, 128, 16026-16027.	14.6	52
96	Molecular mapping of poly(methyl methacrylate) super-helix stereocomplexes. Chemical Science, 2015, 6, 1370-1378.	7.8	52
97	A phosphonium intermediate for cationic RAFT polymerization. Polymer Chemistry, 2016, 7, 1387-1396.	4.0	52
98	RuH2(PPh3)4:Â An Active Catalyst for Living Radical Polymerization of Methyl Methacrylate at or above Room Temperature1. Macromolecules, 1999, 32, 6461-6465.	5.1	51
99	Direct Synthesis of Amphiphilic Random and Block Copolymers ofp-Hydroxystyrene andp-Methoxystyrene via Living Cationic Polymerization with BF3OEt2/ROH Systems1. Macromolecules, 2000, 33, 5830-5835.	5.1	51
100	Metal Alkoxides as Additives for Ruthenium(II)-Catalyzed Living Radical Polymerization. Macromolecules, 2000, 33, 6732-6737.	5.1	50
101	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. Journal of Polymer Science Part A, 2006, 44, 3609-3615.	2.4	50
102	Direct Living Cationic Polymerization ofp-Hydroxystyrene with Boron Trifluoride Etherate in the Presence of Water1. Macromolecules, 2000, 33, 5405-5410.	5.1	49
103	Metal Triflates and Tetrafluoroborates as Water-Tolerant Lewis Acids for Cationic Polymerization in Aqueous Media1. Macromolecules, 2000, 33, 5836-5840.	5.1	49
104	Degradable Poly(N-isopropylacrylamide) with Tunable Thermosensitivity by Simultaneous Chain- and Step-Growth Radical Polymerization. Macromolecules, 2011, 44, 2382-2386.	5.1	49
105	Living Cationic Isomerization Polymerization of Î²-Pinene. 2. Synthesis of Block and Random Copolymers with Styrene orp-Methylstyrene. Macromolecules, 1997, 30, 27-31.	5.1	48
106	Synergistic Advances in Living Cationic and Radical Polymerizations. Macromolecules, 2020, 53, 6749-6753.	5.1	48
107	Sulfonyl chlorides as initiators for the ruthenium-mediated living radical polymerization of methyl methacrylate. Journal of Polymer Science Part A, 1996, 34, 3585-3589.	2.4	47
108	Star poly(methyl methacrylate) with end-functionalized arm chains by ruthenium-catalyzed living radical polymerization. Journal of Polymer Science Part A, 2002, 40, 1972-1982.	2.4	47

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109	In Situ and Time-Resolved Small-Angle Neutron Scattering Observation of Star Polymer Formation via Arm-Linking Reaction in Ruthenium-Catalyzed Living Radical Polymerization. Macromolecules, 2010, 43, 8218-8232.	5.1	47
110	Sulfonic acids as water-soluble initiators for cationic polymerization in aqueous media with Yb(OTf)3. Journal of Polymer Science Part A, 2000, 38, 2728-2733.	2.4	46
111	Mn2(CO)10-Induced RAFT Polymerization of Vinyl Acetate, Methyl Acrylate, and Styrene. Polymer Journal, 2009, 41, 595-603.	2.8	46
112	Cationic polymerization of ?-pinene with the AlCl3/SbCl3 binary catalyst: Comparison with ?-pinene polymerization. Journal of Applied Polymer Science, 1996, 61, 1011-1016.	2.7	45
113	Stereoregulation in cationic polymerization by designed Lewis acids. II. Effects of alkyl vinyl ether structure. Journal of Polymer Science Part A, 2001, 39, 1060-1066.	2.4	45
114	Synthesis of end-functionalized poly(methyl methacrylate) by ruthenium-catalyzed living radical polymerization with functionalized initiators. Journal of Polymer Science Part A, 2002, 40, 1937-1944.	2.4	45
115	Scalable Synthesis of Bio-Based Functional Styrene: Protected Vinyl Catechol from Caffeic Acid and Controlled Radical and Anionic Polymerizations Thereof. ACS Sustainable Chemistry and Engineering, 2018, 6, 13681-13686.	6.9	45
116	Living Cationic Polymerization of Styrene with TiCl3(OiPr) as a Lewis Acid Activator. Macromolecules, 1996, 29, 6100-6103.	5.1	44
117	Enantioseparation using urea- and imide-bearing chitosan phenylcarbamate derivatives as chiral stationary phases for high-performance liquid chromatography. Chirality, 2008, 20, 288-294.	2.8	44
118	Synthesis and SANS Characterization of Poly(vinyl methyl ether)-block-polystyrene. Macromolecules, 1997, 30, 6819-6825.	5.1	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. Journal of Polymer Science Part A, 2002, 40, 2245-2255.	2.4	43
120	Metal-Catalyzed Radical Polyaddition for Aliphatic Polyesters via Evolution of Atom Transfer Radical Addition into Step-Growth Polymerization. Macromolecules, 2009, 42, 472-480.	5.1	42
121	Cationic polymerization of Î±-pinene with the binary catalyst AlCl3/SbCl3. Die Makromolekulare Chemie, 1992, 193, 2311-2321.	1.1	41
122	Iron-catalyzed living radical polymerization of acrylates: Iodide-based initiating systems and block and random copolymerizations. Journal of Polymer Science Part A, 2002, 40, 2033-2043.	2.4	41
123	Chiral (â€“)-DIOP Ruthenium Complexes for Asymmetric Radical Addition and Living Radical Polymerization Reactions. European Journal of Organic Chemistry, 2007, 2007, 782-791.	2.5	41
124	Evolution of iron catalysts for effective living radical polymerization: Pâ€“N chelate ligand for enhancement of catalytic performances. Journal of Polymer Science Part A, 2008, 46, 6819-6827.	2.4	40
125	Nanoâ€toâ€Macroscale Poly(methyl methacrylate) Stereocomplex Assemblies. Angewandte Chemie - International Edition, 2009, 48, 8707-8711.	14.8	40
126	Renewable Î²-methylstyrenes for bio-based heat-resistant styrenic copolymers: radical copolymerization enhanced by fluoroalcohol and controlled/living copolymerization by RAFT. Polymer Chemistry, 2014, 5, 3182-3189.	4.0	40

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127	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. ACS Macro Letters, 2015, 4, 745-749.	4.9	40
128	In-Situ 13C and 1H NMR Analysis of the Growing Species in Living Cationic Polymerization of Isobutyl Vinyl Ether by the HCl/SnCl4 Initiating System in the Presence of a nBu4NCl Salt. Macromolecules, 1995, 28, 3747-3755.	5.1	39
129	Organicâ€inorganic Hybrid Materials for Efficient Enantioseparation Using Cellulose 3,5â€Dimethylphenylcarbamate and Tetraethyl Orthosilicate. Chemistry - an Asian Journal, 2008, 3, 1494-1499.	3.5	39
130	Stereospecific Free Radical and RAFT Polymerization of Bulky Silyl Methacrylates for Tacticity and Molecular Weight Controlled Poly(methacrylic acid). Macromolecules, 2011, 44, 9108-9117.	5.1	39
131	Metal Complex-Mediated Living Radical Polymerization: Features, Scope, and Precision Polymer Synthesis. Journal of Macromolecular Science - Pure and Applied Chemistry, 1997, 34, 1803-1814.	2.2	38
132	BABâ€randomâ€Œ Monomer Sequence via Radical Terpolymerization of Limoneneâ€…(A), Maleimideâ€…(B), and Methacrylateâ€…(C): Terpene Polymers with Randomly Distributed Periodic Sequences. Angewandte Chemie - International Edition, 2017, 56, 1789-1793.	14.8	38
133	Synthesis of PEVE-b-P(CTFE-alt-EVE) block copolymers by sequential cationic and radical RAFT polymerization. Polymer Chemistry, 2018, 9, 352-361.	4.0	37
134	A highly active Fe(i) catalyst for radical polymerisation and taming the polymerisation with iodine. Chemical Communications, 2002, , 2694-2695.	4.2	35
135	Efficient Immobilization of Cellulose Phenylcarbamate Bearing Alkoxysilyl Group onto Silica Gel by Intermolecular Polycondensation and Its Chiral Recognition. Chemistry Letters, 2006, 35, 1250-1251.	1.4	35
136	Iron(III) chloride/Râ€Cl/tributylphosphine for metalâ€catalyzed living radical polymerization: A unique system with a higher oxidation state iron complex. Journal of Polymer Science Part A, 2008, 46, 6358-6363.	2.4	35
137	Triple Hydrogen Bonding for Stereospecific Radical Polymerization of a DAD Monomer and Simultaneous Control of Tacticity and Molecular Weight. Macromolecules, 2006, 39, 6882-6886.	5.1	34
138	Immobilized polysaccharide derivatives: chiral packing materials for efficient HPLC resolution. Chemical Record, 2007, 7, 91-103.	6.5	34
139	Kinetic Hydrate Inhibition of Poly(N-isopropylmethacrylamide)s with Different Tacticities. Energy & Fuels, 2012, 26, 3577-3585.	5.2	34
140	A simple combination of higher-oxidation-state FeX3 and phosphine or amine ligand for living radical polymerization of styrene, methacrylate, and acrylate. Polymer Chemistry, 2013, 4, 3554.	4.0	33
141	Alkoxy-Substituted Titanium(IV) Chlorides as Lewis Acid Activators for Living Cationic Polymerization of Isobutyl Vinyl Ether: Control of Lewis Acidity in the Design of Initiating Systems. Macromolecules, 1995, 28, 5671-5675.	5.1	32
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