Mitsuo Sawamoto

List of Publications by Year
in descending order

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256	20,451	22548 61	12638 137
papers	citations	h-index	g-index

263	263	263	8863
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal-Catalyzed Living Radical Polymerization. Chemical Reviews, 2001, 101, 3689-3746.	23.0	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.	2.2	2,942
3	Transition Metal-Catalyzed Living Radical Polymerization: Toward Perfection in Catalysis and Precision Polymer Synthesis. Chemical Reviews, 2009, 109, 4963-5050.	23.0	1,208
4	Sequence-Controlled Polymers. Science, 2013, 341, 1238149.	6.0	1,097
5	Living polymerization of isobutyl vinyl ether with hydrogen iodide/iodine initiating system. Macromolecules, 1984, 17, 265-268.	2.2	456
6	Iron(II) Chloride Complex for Living Radical Polymerization of Methyl Methacrylate1. Macromolecules, 1997, 30, 4507-4510.	2.2	452
7	Modern cationic vinyl polymerization. Progress in Polymer Science, 1991, 16, 111-172.	11.8	421
8	Single-chain technology using discrete synthetic macromolecules. Nature Chemistry, 2011, 3, 917-924.	6.6	348
9	Nickel-Mediated Living Radical Polymerization of Methyl Methacrylate1. Macromolecules, 1997, 30, 2249-2253.	2.2	293
10	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.	2.2	254
11	Synthesis and Single-Chain Folding of Amphiphilic Random Copolymers in Water. Macromolecules, 2014, 47, 589-600.	2.2	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.	2.2	201
13	Sequenceâ€Regulated Radical Polymerization with a Metalâ€•Templated Monomer: Repetitive ABA Sequence by Double Cyclopolymerization. Angewandte Chemie - International Edition, 2011, 50, 7434-7437.	7.2	195
14	Precision Control of Radical Polymerization via Transition Metal Catalysis: From Dormant Species to Designed Catalysts for Precision Functional Polymers. Accounts of Chemical Research, 2008, 41, 1120-1132.	7.6	192
15	Effect of Tacticity of Poly(N-isopropylacrylamide) on the Phase Separation Temperature of Its Aqueous Solutions. Polymer Journal, 2005, 37, 234-237.	1.3	180
16	Selective Radical Addition with a Designed Heterobifunctional Halide: A Primary Study toward Sequence-Controlled Polymerization upon Template Effect. Journal of the American Chemical Society, 2009, 131, 10808-10809.	6.6	171
17	Living Radical Polymerization of Alkyl Methacrylates with Ruthenium Complex and Synthesis of Their Block Copolymers. Macromolecules, 1996, 29, 6979-6982.	2.2	158
18	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.	2.2	150

#	Article	IF	Citations
19	Re(V)-Mediated Living Radical Polymerization of Styrene:1ReO2I(PPh3)2/Râ^'I Initiating Systems. Macromolecules, 1999, 32, 2420-2424.	2.2	140
20	Sequence-Regulated Copolymers via Tandem Catalysis of Living Radical Polymerization and In Situ Transesterification. Journal of the American Chemical Society, 2012, 134, 4373-4383.	6.6	140
21	Precision Self-Assembly of Amphiphilic Random Copolymers into Uniform and Self-Sorting Nanocompartments in Water. Macromolecules, 2016, 49, 5084-5091.	2.2	139
22	Template-Assisted Selective Radical Addition toward Sequence-Regulated Polymerization: Lariat Capture of Target Monomer by Template Initiator. Journal of the American Chemical Society, 2010, 132, 14748-14750.	6.6	137
23	50th Anniversary Perspective: Metal-Catalyzed Living Radical Polymerization: Discovery and Perspective. Macromolecules, 2017, 50, 2603-2614.	2.2	136
24	Ru(Cp*)Cl(PPh3)2:Â A Versatile Catalyst for Living Radical Polymerization of Methacrylates, Acrylates, and Styrene1. Macromolecules, 2001, 34, 4370-4374.	2.2	131
25	FeCp(CO)2I:Â A Phosphine-Free Half-Metallocene-Type Iron(II) Catalyst for Living Radical Polymerization of Styrene1. Macromolecules, 1999, 32, 6877-6880.	2.2	129
26	Half-Metallocene-Type Ruthenium Complexes as Active Catalysts for Living Radical Polymerization of Methyl Methacrylate and Styrene1. Macromolecules, 1999, 32, 3820-3823.	2.2	123
27	Design of AB divinyl â€œtemplate monomersâ€•toward alternating sequence control in metal-catalyzed living radical polymerization. Polymer Chemistry, 2011, 2, 341-347.	1.9	118
28	Silyl Enol Ethers:Â End-Capping Agents for Living Radical Polymerization of Methyl Methacrylate with Ruthenium Complex1. Macromolecules, 1998, 31, 6708-6711.	2.2	117
29	New initiators for living cationic polymerization of vinyl compounds. Makromolekulare Chemie Macromolecular Symposia, 1988, 13-14, 457-471.	0.6	112
30	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.	2.2	112
31	Programmed Self-Assembly Systems of Amphiphilic Random Copolymers into Size-Controlled and Thermoresponsive Micelles in Water. Macromolecules, 2018, 51, 398-409.	2.2	102
32	Understanding the catalytic activity of singleâ€chain polymeric nanoparticles in water. Journal of Polymer Science Part A, 2014, 52, 12-20.	2.5	101
33	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.	6.6	97
34	A strategy for sequence control in vinyl polymers via iterative controlled radical cyclization. Nature Communications, 2016, 7, 11064.	5.8	97
35	Living Radical Polymerization in Water and Alcohols:Â Suspension Polymerization of Methyl Methacrylate with RuCl2(PPh3)3Complex1. Macromolecules, 1999, 32, 2204-2209.	2.2	91
36	Multimode Self-Folding Polymers via Reversible and Thermoresponsive Self-Assembly of Amphiphilic/Fluorous Random Copolymers. Macromolecules, 2016, 49, 4534-4543.	2.2	87

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37	Compartmentalization Technologies via Self-Assembly and Cross-Linking of Amphiphilic Random Block Copolymers in Water. Journal of the American Chemical Society, 2017, 139, 7164-7167.	6.6	87
38	Living Cationic Isomerization Polymerization of Î²-Pinene. 1. Initiation with HClâˆ'2-Chloroethyl Vinyl Ether Adduct/TiCl3(OiPr) in Conjunction withnBu4NCl1. Macromolecules, 1997, 30, 22-26.	2.2	86
39	Fluorous Microgel Star Polymers: Selective Recognition and Separation of Polyfluorinated Surfactants and Compounds in Water. Journal of the American Chemical Society, 2014, 136, 15742-15748.	6.6	86
40	Self-assembly of PEG/dodecyl-graft amphiphilic copolymers in water: consequences of the monomer sequence and chain flexibility on uniform micelles. Polymer Chemistry, 2017, 8, 7248-7259.	1.9	86
41	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.	2.2	85
42	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.	2.2	84
43	Concurrent Tandem Living Radical Polymerization: Gradient Copolymers via In Situ Monomer Transformation with Alcohols. Journal of the American Chemical Society, 2009, 131, 13600-13601.	6.6	84
44	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.	2.2	80
45	MALDIâˆ'TOFâˆ'MS Analysis of Ruthenium(II)-Mediated Living Radical Polymerizations of Methyl Methacrylate, Methyl Acrylate, and Styrene1. Macromolecules, 2001, 34, 2083-2088.	2.2	80
46	Stereoregulation in Cationic Polymerization by Designed Lewis Acids. 1. Highly Isotactic Poly(isobutyl) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.2	78
47	Living Radical Polymerization of Styrene by Half-Metallocene Iron Carbonyl Complexes1. Macromolecules, 2000, 33, 3543-3549.	2.2	78
48	Active, Versatile, and Removable Iron Catalysts with Phosphazenium Salts for Living Radical Polymerization of Methacrylates. Macromolecules, 2009, 42, 188-193.	2.2	78
49	Amphiphilic Random Copolymers with Hydrophobic/Hydrogen-Bonding Urea Pendants: Self-Folding Polymers in Aqueous and Organic Media. Macromolecules, 2016, 49, 7917-7927.	2.2	77
50	Living radical polymerization of methyl methacrylate with a zerovalent nickel complex, Ni(PPh3)41. Journal of Polymer Science Part A, 1999, 37, 3003-3009.	2.5	76
51	Living Radical Polymerization of N,N-Dimethylacrylamide with RuCl2(PPh3)3-Based Initiating Systems. Macromolecules, 1999, 32, 8005-8009.	2.2	75
52	Amphiphilic/fluorous random copolymers as a new class of non-cytotoxic polymeric materials for protein conjugation. Polymer Chemistry, 2015, 6, 240-247.	1.9	75
53	Thermoregulated phaseâ€transfer catalysis via PEGâ€armed Ru(II)â€bearing microgel core star polymers: Efficient and reusable Ru(II) catalysts for aqueous transfer hydrogenation of ketones. Journal of Polymer Science Part A, 2010, 48, 373-379.	2.5	74
54	Starâ€Polymerâ€Catalyzed Living Radical Polymerization: Microgelâ€Core Reaction Vessel by Tandem Catalyst Interchange. Angewandte Chemie - International Edition, 2011, 50, 7892-7895.	7.2	74

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55	Sequence-controlled polymers via reversible-deactivation radical polymerization. Polymer Journal, 2018, 50, 83-94.	1.3	74
56	Nanostructured Materials via the Pendant Self-Assembly of Amphiphilic Crystalline Random Copolymers. Journal of the American Chemical Society, 2018, 140, 8376-8379.	6.6	70
57	Amine Additives for Fast Living Radical Polymerization of Methyl Methacrylate with RuCl2(PPh3)31. Macromolecules, 2002, 35, 2934-2940.	2.2	69
58	Evolution of Iron Catalysts for Effective Living Radical Polymerization:Â Design of Phosphine/Halogen Ligands in FeX2(PR3)21. Macromolecules, 2007, 40, 8658-8662.	2.2	65
59	Alternating Sequence Control for Carboxylic Acid and Hydroxy Pendant Groups by Controlled Radical Cyclopolymerization of a Divinyl Monomer Carrying a Cleavable Spacer. Angewandte Chemie - International Edition, 2016, 55, 14584-14589.	7.2	65
60	Lanthanide Triflates-Mediated Emulsion Cationic Polymerization ofp-Alkoxystyrenes in Aqueous Media1. Macromolecules, 2000, 33, 4660-4666.	2.2	63
61	Self-Folding Polymer Iron Catalysts for Living Radical Polymerization. ACS Macro Letters, 2017, 6, 830-835.	2.3	63
62	Ring-Expansion Living Cationic Polymerization via Reversible Activation of a Hemiacetal Ester Bond. ACS Macro Letters, 2013, 2, 531-534.	2.3	62
63	Iron-Catalyzed Suspension Living Radical Polymerizations of Acrylates and Styrene in Water1. Macromolecules, 2002, 35, 2949-2954.	2.2	59
64	Control of the Alternating Sequence for N â€Ÿsopropylacrylamide (NIPAM) and Methacrylic Acid Units in a Copolymer by Cyclopolymerization and Transformation of the Cyclopendant Group. Angewandte Chemie - International Edition, 2018, 57, 10905-10909.	7.2	59
65	Living Radical Polymerization of Para-Substituted Styrenes and Synthesis of Styrene-Based Copolymers with Rhenium and Iron Complex Catalysts. Macromolecules, 2000, 33, 6746-6751.	2.2	58
66	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.	2.5	55
67	Synthesis of new functional polymers by living cationic polymerization. Makromolekulare Chemie Macromolecular Symposia, 1988, 13-14, 513-526.	0.6	54
68	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.	2.5	52
69	Selfâ€Assembly of Amphiphilic Random Copolyacrylamides into Uniform and Necklace Micelles in Water. Macromolecular Chemistry and Physics, 2017, 218, 1700230.	1.1	51
70	Metal Alkoxides as Additives for Ruthenium(II)-Catalyzed Living Radical Polymerization. Macromolecules, 2000, 33, 6732-6737.	2.2	50
71	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.	2.2	50
72	Single-chain crosslinked star polymers via intramolecular crosslinking of self-folding amphiphilic copolymers in water. Polymer Journal, 2015, 47, 667-677.	1.3	50

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73	Intramolecular Folding or Intermolecular Self-Assembly of Amphiphilic Random Copolymers: On-Demand Control by Pendant Design. Macromolecules, 2018, 51, 3738-3745.	2.2	50
74	Direct Living Cationic Polymerization ofp-Hydroxystyrene with Boron Trifluoride Etherate in the Presence of Water1. Macromolecules, 2000, 33, 5405-5410.	2.2	49
75	Fluorinated Microgel-Core Star Polymers as Fluorous Compartments for Molecular Recognition. Macromolecules, 2011, 44, 4574-4578.	2.2	49
76	Vinyl ethers with a functional group: Living cationic polymerization and synthesis of monodisperse polymers. Makromolekulare Chemie Macromolecular Symposia, 1986, 3, 99-111.	0.6	47
77	Sulfonyl chlorides as initiators for the ruthenium-mediated living radical polymerization of methyl methacrylate. Journal of Polymer Science Part A, 1996, 34, 3585-3589.	2.5	47
78	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.	2.5	47
79	Iterative Radical Addition with a Special Monomer Carrying Bulky and Convertible Pendant: A New Concept toward Controlling the Sequence for Vinyl Polymers. ACS Macro Letters, 2016, 5, 745-749.	2.3	47
80	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.	2.5	46
81	Phosphineâ€“Ligand Decoration toward Active and Robust Iron Catalysts in LRP. Macromolecules, 2013, 46, 3342-3349.	2.2	46
82	Synergistic Advances in Living Cationic and Radical Polymerizations. Macromolecules, 2020, 53, 6749-6753.	2.2	46
83	Cationic polymerization of ?-pinene with the AlCl3/SbCl3 binary catalyst: Comparison with ?-pinene polymerization. Journal of Applied Polymer Science, 1996, 61, 1011-1016.	1.3	45
84	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.	2.5	45
85	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.	2.5	45
86	A Study on Physical Properties of Cyclic Poly(vinyl ether)s Synthesized via Ring-Expansion Cationic Polymerization. Macromolecules, 2017, 50, 841-848.	2.2	44
87	Living cationic polymerization of 2-vinyloxyethyl phthalimide: Synthesis of poly(vinyl ether) with pendant primary amino functions. Journal of Polymer Science Part A, 1988, 26, 3361-3374.	2.5	43
88	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.	2.5	43
89	Self-Sorting of Amphiphilic Copolymers for Self-Assembled Materials in Water: Polymers Can Recognize Themselves. Journal of the American Chemical Society, 2019, 141, 511-519.	6.6	43
90	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.	2.5	41

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91	Carbonylâ^'Phosphine Heteroligation for Pentamethylcyclopentadienyl (Cp*)â^'Iron Complexes: Highly Active and Versatile Catalysts for Living Radical Polymerization. Macromolecules, 2010, 43, 920-926.	2.2	41
92	Cationic polymerization of Î±-pinene with the binary catalyst AlCl3/SbCl3. Die Makromolekulare Chemie, 1992, 193, 2311-2321.	1.1	40
93	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.	2.5	39
94	Title is missing!. Die Makromolekulare Chemie, 1976, 177, 2995-3007.	1.1	38
95	Living Cationic Polymerization of N-Vinylcarbazole with Iodine. Polymer Journal, 1980, 12, 393-398.	1.3	37
96	Metal Complex-Mediated Living Radical Polymerization: Features, Scope, and Precision Polymer Synthesis. Journal of Macromolecular Science - Pure and Applied Chemistry, 1997, 34, 1803-1814.	1.2	37
97	Synchronized Tandem Catalysis of Living Radical Polymerization and Transesterification: Methacrylate Gradient Copolymers with Extremely Broad Glass Transition Temperature. ACS Macro Letters, 2013, 2, 985-989.	2.3	37
98	Multifunctional Coupling Agents for Living Cationic Polymerization. 7. Synthesis of Amphiphilic Tetraarmed Star Block Polymers with Î±-Methylstyrene and 2-Hydroxyethyl Vinyl Ether Segments by Coupling Reactions with Tetrafunctional Silyl Enol Ether. Macromolecules, 1996, 29, 1862-1866.	2.2	36
99	Bisphosphine Monoxide-Ligated Ruthenium Catalysts: Active, Versatile, Removable, and Cocatalyst-Free in Living Radical Polymerization. Macromolecules, 2010, 43, 5989-5995.	2.2	36
100	Protein storage with perfluorinated PEG compartments in a hydrofluorocarbon solvent. Polymer Chemistry, 2016, 7, 6694-6698.	1.9	36
101	Fluorous Comonomer Modulates the Reactivity of Cyclic Ketene Acetal and Degradation of Vinyl Polymers. Macromolecules, 2017, 50, 9222-9232.	2.2	36
102	Unprecedented Sequence Control and Sequenceâ€Ðriven Properties in a Series of ABâ€Alternating Copolymers Consisting Solely of Acrylamide Units. Angewandte Chemie - International Edition, 2020, 59, 5193-5201.	7.2	36
103	Living cationic polymerization of 4-tert-butoxystyrene and synthesis of poly(4-vinylphenol) with narrow molecular weight distribution. Die Makromolekulare Chemie, 1989, 15, 127-136.	1.1	35
104	A highly active Fe(i) catalyst for radical polymerisation and taming the polymerisation with iodine. Chemical Communications, 2002, , 2694-2695.	2.2	35
105	Selective dimerization of styrene to 1,3-diphenyl-1-butene catalyzed by trifluoromethanesulfonic acid or acetyl perchlorate. Journal of Polymer Science, Polymer Letters Edition, 1975, 13, 279-282.	0.4	33
106	End-functionalized polymers by living cationic polymerization. Polymer Bulletin, 1986, 16, 117-123.	1.7	32
107	Stereoregulation in cationic polymerization. III. High isospecificity with the bulky phosphoric acid [(RO)2PO2H]/SnCl4 initiating systems: Design of counteranions via initiators. Journal of Polymer Science Part A, 2001, 39, 1067-1074.	2.5	32
108	Highly Active and Removable Ruthenium Catalysts for Transitionâ€Metalâ€Catalyzed Living Radical Polymerization: Design of Ligands and Cocatalysts. Chemistry - an Asian Journal, 2008, 3, 1358-1364.	1.7	31

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109	Design and initiators of living cationic polymerization of vinyl monomers. Makromolekulare Chemie Macromolecular Symposia, 1990, 32, 131-144.	0.6	30
110	Title is missing!. Die Makromolekulare Chemie, 1992, 193, 2027-2035.	1.1	30
111	Ruthenium-catalyzed fast living radical polymerization of methyl methacrylate: The R?Cl/Ru(Ind)Cl(PPh3)2/n-Bu2NH initiating system. Journal of Polymer Science Part A, 2002, 40, 617-623.	2.5	30
112	Controlled Cationic Polymerization of p-(Chloromethyl)styrene:â€‰ BF3-Catalyzed Selective Activation of a Câ^'O Terminal from Alcohol. Macromolecules, 2003, 36, 3540-3544.	2.2	30
113	Transfer hydrogenation of ketones catalyzed by PEG-armed ruthenium-microgel star polymers: microgel-core reaction space for active, versatile and recyclable catalysis. Polymer Journal, 2011, 43, 770-777.	1.3	30
114	Oxidation of secâ€alcohols with Ru(II)â€bearing microgel star polymer catalysts via hydrogen transfer reaction: Unique microgelâ€core catalysis. Journal of Polymer Science Part A, 2011, 49, 1061-1069.	2.5	30
115	Acrylate-Selective Transesterification of Methacrylate/Acrylate Copolymers: Postfunctionalization with Common Acrylates and Alcohols. ACS Macro Letters, 2018, 7, 997-1002.	2.3	30
116	Self-assembly of amphiphilic block pendant polymers as microphase separation materials and folded flower micelles. Polymer Chemistry, 2019, 10, 4954-4961.	1.9	30
117	Title is missing!. Die Makromolekulare Chemie, 1976, 177, 2981-2993.	1.1	29
118	Living Cationic Polymerization of a Vinyl Ether with a Malonic Ester Function. Polymer Journal, 1987, 19, 515-521.	1.3	29
119	End-functionalized polymers by living cationic polymerization. Polymer Bulletin, 1987, 18, 117.	1.7	29
120	Living Cationic Homo- and Copolymerizations of Vinyl Ethers Bearing a Perfluoroalkyl Pendant. Polymer Journal, 1988, 20, 201-206.	1.3	29
121	Synthesis of Amphiphilic Threeâ€Armed Star Random Copolymers via Living Radical Polymerization and their Unimolecular Folding Properties in Water. Macromolecular Symposia, 2015, 350, 76-85.	0.4	29
122	Ferrocene Cocatalysis for Iron-Catalyzed Living Radical Polymerization: Active, Robust, and Sustainable System under Concerted Catalysis by Two Iron Complexes. Macromolecules, 2015, 48, 4294-4300.	2.2	29
123	Amphiphilic PEG-Functionalized Gradient Copolymers via Tandem Catalysis of Living Radical Polymerization and Transesterification. Macromolecules, 2017, 50, 822-831.	2.2	29
124	Ring-expansion cationic polymerization of vinyl ethers. Polymer Chemistry, 2017, 8, 4970-4977.	1.9	29
125	Synthesis of Living Cationic Poly(N-vinylcarbazole) with Low Molecular Weight. Polymer Journal, 1983, 15, 385-388.	1.3	28
126	Living cationic isomerization polymerization of ?-pinene. III. Synthesis of end-functionalized polymers and graft copolymers. Journal of Polymer Science Part A, 1997, 35, 1423-1430.	2.5	28

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127	Cationic Polymerization of Cyclopentadiene with SnCl4:â€‰ Control of Molecular Weight and Narrow Molecular Weight Distribution. Macromolecules, 2001, 34, 3176-3181.	2.2	28
128	Cyclopolymerization of Cleavable Acrylate-Vinyl Ether Divinyl Monomer via Nitroxide-Mediated Radical Polymerization: Copolymer beyond Reactivity Ratio. ACS Macro Letters, 2017, 6, 754-757.	2.3	28
129	Title is missing!. Die Makromolekulare Chemie, 1993, 194, 3441-3453.	1.1	27
130	Matrix-assisted laser desorption ionization time of flight mass spectrometry analysis of living cationic polymerization of vinyl ethers. I. Optimization of measurement conditions for poly(isobutyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.5	27
131	Quenching of metal-catalyzed living radical polymerization with silyl enol ethers. Journal of Polymer Science Part A, 2000, 38, 4735-4748.	2.5	27
132	Self-Assembly of Hydrogen-Bonding Gradient Copolymers: Sequence Control via Tandem Living Radical Polymerization with Transesterification. Macromolecules, 2017, 50, 3215-3223.	2.2	27
133	Amino alcohol additives for the fast living radical polymerization of methyl methacrylate with RuCl2(PPh3)3. Journal of Polymer Science Part A, 2003, 41, 3597-3605.	2.5	26
134	Terminal-Selective Transesterification of Chlorine-Capped Poly(Methyl Methacrylate)s: A Modular Approach to Telechelic and Pinpoint-Functionalized Polymers. Journal of the American Chemical Society, 2016, 138, 5012-5015.	6.6	26
135	Living cationic polymerization of p-methylstyrene by hydrogen iodide/zinc halide initiating systems. Journal of Polymer Science Part A, 1990, 28, 3007-3017.	2.5	25
136	Sequence-Regulated Polymers via Living Radical Polymerization: From Design to Properties and Functions. ACS Symposium Series, 2014, , 255-267.	0.5	25
137	Quasiliving Carbocationic Polymerization. VI. Quasiliving Polymerization of Isobutyl Vinyl Ether. Journal of Macromolecular Science Part A, Chemistry, 1982, 18, 1275-1291.	0.4	24
138	Synthesis of end-functionalized polystyrenes with organosilicon end-capping reagents via living cationic polymerization. Journal of Polymer Science Part A, 1994, 32, 2531-2542.	2.5	23
139	Carbonyl-phosphine hetero-ligated half-metallocene iron(II) catalysts for living radical polymerization: concomitant activity and stability. Polymer Journal, 2010, 42, 17-24.	1.3	23
140	Aqueous metal-catalyzed living radical polymerization: highly active water-assisted catalysis. Polymer Journal, 2012, 44, 51-58.	1.3	23
141	Star Polymer Gels with Fluorinated Microgels via Starâ€“Star Coupling and Cross-Linking for Water Purification. ACS Macro Letters, 2015, 4, 377-380.	2.3	23
142	Living cationic polymerization of isobutyl propenyl ether as Î²-substituted vinyl ether. Journal of Polymer Science: Polymer Chemistry Edition, 1984, 22, 3173-3181.	0.8	22
143	Living polymerization of isobutyl vinyl ether by HI/I2 initiator in polar solvents. Journal of Polymer Science Part A, 1986, 24, 2261-2270.	2.5	22
144	Amphiphilic block copolymers of vinyl ethers by living cationic polymerization. II. Synthesis and surface activity of macromolecular amphiphiles with pendant amino groups. Journal of Polymer Science Part A, 1990, 28, 1127-1136.	2.5	22

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145	Title is missing!. Die Makromolekulare Chemie, 1977, 178, 389-399.	1.1	21
146	Title is missing!. Die Makromolekulare Chemie, 1993, 194, 2035-2046.	1.1	21
147	MALDI-TOF-MS analysis of living cationic polymerization of vinyl ethers. II. Living nature of growing end and side reactions. Journal of Polymer Science Part A, 2001, 39, 1249-1257.	2.5	21
148	LCST-Type Phase Separation of Poly[poly(ethylene glycol) methyl ether methacrylate]s in Hydrofluorocarbon. ACS Macro Letters, 2015, 4, 1366-1369.	2.3	21
149	Living Cationic Polymerization of 2-Chloroethyl Vinyl Ether with Iodine and Hydrogen Iodide/Iodine Initiators. Polymer Journal, 1984, 16, 401-406.	1.3	20
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