Robin Arthur Hutchinson

List of Publications by Year
in descending order

178	7,638	57758	62596
papers	citations	44 h-index	80 g-index

191	191	191	2406
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Critically evaluated rate coefficients for free-radical polymerization, 1. Propagation rate coefficient for styrene. Macromolecular Chemistry and Physics, 1995, 196, 3267-3280.	2.2	617
2	Critically evaluated rate coefficients for free-radical polymerization, 2.. Propagation rate coefficients for methyl methacrylate. Macromolecular Chemistry and Physics, 1997, 198, 1545-1560.	2.2	524
3	Critically Evaluated Rate Coefficients for Free-Radical Polymerization, 5,. Macromolecular Chemistry and Physics, 2004, 205, 2151-2160.	2.2	360
4	Determination of Free-Radical Propagation Rate Coefficients of Butyl, 2-Ethylhexyl, and Dodecyl Acrylates by Pulsed-Laser Polymerization. Macromolecules, 1996, 29, 4206-4215.	4.8	318
5	Critically evaluated rate coefficients for free-radical polymerization, 3. Propagation rate coefficients for alkyl methacrylates. Macromolecular Chemistry and Physics, 2000, 201, 1355-1364.	2.2	274
6	Polymerization of olefins through heterogeneous catalysis X: Modeling of particle growth and morphology. Journal of Applied Polymer Science, 1992, 44, 1389-1414.	2.6	203
7	Determination of Intramolecular Chain Transfer and Midchain Radical Propagation Rate Coefficients for Butyl Acrylate by Pulsed Laser Polymerization. Macromolecules, 2007, 40, 8631-8641.	4.8	177
8	Analysis of pulsed-laser-generated molecular weight distributions for the determination of propagation rate coefficients. Macromolecules, 1993, 26, 6410-6415.	4.8	151
9	Critically Evaluated Rate Coefficients for Free-Radical Polymerization, 4. Macromolecular Chemistry and Physics, 2003, 204, 1338-1350.	2.2	130
10	Secondary Reactions in the High-Temperature Free Radical Polymerization of Butyl Acrylate. Macromolecules, 2004, 37, 5944-5951.	4.8	130
11	A Pulsed-Laser Study of Penultimate Copolymerization Propagation Kinetics for Methyl Methacrylate/n-Butyl Acrylate. Industrial & Engineering Chemistry Research, 1997, 36, 1103-1113.	3.7	129
12	Determination of Free-Radical Propagation Rate Coefficients for Alkyl Methacrylates by Pulsed-Laser Polymerization. Macromolecules, 1997, 30, 3490-3493.	4.8	124
13	Critically evaluated rate coefficients in radical polymerization â€“ 7. Secondary-radical propagation rate coefficients for methyl acrylate in the bulk. Polymer Chemistry, 2014, 5, 204-212.	3.9	118
14	The Effect of Intramolecular Transfer to Polymer on Stationary Free Radical Polymerization of Alkyl Acrylates. Macromolecules, 2005, 38, 1581-1590.	4.8	112
15	Determination of Propagation Rate Coefficients by Pulsed-Laser Polymerization for Systems with Rapid Chain Growth: Vinyl Acetate. Macromolecules, 1994, 27, 4530-4537.	4.8	111
16	Studies of higher temperature polymerization ofn-butyl methacrylate andn-butyl acrylate. Macromolecular Symposia, 2002, 182, 149-168.	0.7	109
17	Propagation Rate Coefficient for Radical Polymerization ofN-Vinyl Pyrrolidone in Aqueous Solution Obtained by PLPâ€“SEC. Macromolecules, 2008, 41, 5174-5185.	4.8	99
18	Îµ-Caprolactone-Based Macromonomers Suitable for Biodegradable Nanoparticles Synthesis through Free Radical Polymerization. Macromolecules, 2011, 44, 9205-9212.	4.8	90

#	Article	IF	Citations
19	ARGET ATRP of Butyl Methacrylate: Utilizing Kinetic Modeling To Understand Experimental Trends. Macromolecules, 2013, 46, 3828-3840.	4.8	90
20	Short-Chain Branching Structures in Ethylene Copolymers Prepared by High-Pressure Free-Radical Polymerization:â€‰ An NMR Analysis. Macromolecules, 1997, 30, 246-256.	4.8	82
21	Determination of Free-Radical Propagation Rate Coefficients for Cycloalkyl and Functional Methacrylates by Pulsed-Laser Polymerization. Macromolecules, 1998, 31, 1542-1547.	4.8	82
22	High-Temperature Semibatch Free Radical Copolymerization of Butyl Methacrylate and Butyl Acrylate. Industrial & Engineering Chemistry Research, 2005, 44, 2506-2517.	3.7	75
23	ARGET ATRP of Methacrylates and Acrylates with Stoichiometric Ratios of Ligand to Copper. Macromolecular Chemistry and Physics, 2008, 209, 1797-1805.	2.2	74
24	Copperâ€•mediated controlled radical polymerization in continuous flow processes: Synergy between polymer reaction engineering and innovative chemistry. Journal of Polymer Science Part A, 2013, 51, 3081-3096.	2.3	74
25	Effect of Intramolecular Transfer to Polymer on Stationary Freeâ€Radical Polymerization of Alkyl Acrylates, 5 â€“ Consideration of Solution Polymerization up to High Temperatures. Macromolecular Reaction Engineering, 2010, 4, 691-706.	1.5	68
26	Determination of Free-Radical Chain-Transfer Rate Coefficients by Pulsed-Laser Polymerization. Macromolecules, 1995, 28, 5655-5663.	4.8	67
27	Propagation Kinetics of Methacrylic Acid Studied by Pulsed-Laser Polymerization. Macromolecules, 1997, 30, 194-197.	4.8	63
28	Modeling of Chain Length and Long-Chain Branching Distributions in Free-Radical Polymerization. Macromolecular Theory and Simulations, 2001, 10, 144-157.	1.4	63
29	Consideration of Macromonomer Reactions in nâ€Butyl Acrylate Free Radical Polymerization. Macromolecular Rapid Communications, 2009, 30, 2022-2027.	3.9	62
30	Atom-Transfer Radical Batch and Semibatch Polymerization of Styrene. Macromolecular Reaction Engineering, 2007, 1, 425-439.	1.5	59
31	Continuous Controlled Radical Polymerization of Methyl Acrylate in a Copper Tubular Reactor. Macromolecular Rapid Communications, 2011, 32, 604-609.	3.9	59
32	Modeling of Functional Group Distribution in Copolymerization: A Comparison of Deterministic and Stochastic Approaches. Macromolecular Theory and Simulations, 2014, 23, 207-217.	1.4	58
33	Polymerization of olefins through heterogeneous catalysis. VII. Particle ignition and extinction phenomena. Journal of Applied Polymer Science, 1987, 34, 657-676.	2.6	57
34	High-Temperature Free Radical Copolymerization of Styrene and Butyl Methacrylate with Depropagation and Penultimate Kinetic Effects. Macromolecules, 2006, 39, 4366-4373.	4.8	57
35	A comprehensive kinetic model for highâ€temperature free radical production of styrene/methacrylate/acrylate resins. AICHE Journal, 2011, 57, 227-238.	3.6	54
36	An Investigation of Free-Radical Copolymerization Propagation Kinetics of Styrene and 2-Hydroxyethyl Methacrylate. Macromolecules, 2009, 42, 7736-7744.	4.8	53

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37	Investigation of Methacrylate Free-Radical Depropagation Kinetics by Pulsed-Laser Polymerization. Industrial & Engineering Chemistry Research, 1998, 37, 3567-3574.	3.7	51
38	Effect of Intramolecular Transfer to Polymer on Stationary Free Radical Polymerization of Alkyl Acrylates, 2. Macromolecular Theory and Simulations, 2006, 15, 128-136.	1.4	51
39	Termination Kinetics of the Free-Radical Polymerization of Nonionized Methacrylic Acid in Aqueous Solution. Macromolecules, 2008, 41, 3513-3520.	4.8	50
40	PLP/SEC/NMR Study of Free Radical Copolymerization of Styrene and Glycidyl Methacrylate. Macromolecules, 2008, 41, 9011-9018.	4.8	50
41	PLP-SEC Studies into the Propagation Rate Coefficient of Acrylamide Radical Polymerization in Aqueous Solution. Macromolecules, 2016, 49, 3244-3253.	4.8	50
42	Investigation of Free-Radical Copolymerization Propagation Kinetics of Vinyl Acetate and Methyl Methacrylate. Journal of Physical Chemistry B, 2010, 114, 4213-4222.	2.6	49
43	Measurement of Free-Radical Propagation Rate Coefficients for Ethyl, Butyl, and Isobutyl Methacrylates by Pulsed-Laser Polymerization. Macromolecules, 1995, 28, 4023-4028.	4.8	48
44	Modeling Acrylic Acid Radical Polymerization in Aqueous Solution. Macromolecular Reaction Engineering, 2016, 10, 95-107.	1.5	48
45	Polymerization of olefins through heterogeneous catalysisâ€"V. Gas-liquid mass transfer limitations in liquid slurry reactors. Journal of Applied Polymer Science, 1986, 32, 5451-5479.	2.6	45
46	The Effect of Intramolecular Transfer to Polymer on Stationary Freeâ€Radical Polymerization of Alkyl Acrylates, 3 â€“ Consideration of Solution Polymerization up to High Conversions. Macromolecular Theory and Simulations, 2009, 18, 247-258.	1.4	45
47	Solvent Effects on Free-Radical Copolymerization Propagation Kinetics of Styrene and Methacrylates. Macromolecules, 2010, 43, 6311-6320.	4.8	45
48	Freeâ€Radical Propagation Kinetics of Nâ€Vinyl Formamide in Aqueous Solution Studied by PLPâ€“SEC. Macromolecular Chemistry and Physics, 2010, 211, 580-593.	2.2	44
49	Continuous Atom Transfer Radical Polymerization with Low Catalyst Concentration in a Tubular Reactor. Macromolecular Reaction Engineering, 2009, 3, 222-231.	1.5	43
50	An Inâ€Situ <scp>NMR</scp> Study of Radical Copolymerization Kinetics of Acrylamide and Nonâ€<scp>I</scp>onized Acrylic Acid in Aqueous Solution. Macromolecular Symposia, 2013, 333, 122-137.	0.7	42
51	Recent Advances in the Study of Highâ€Temperature Free Radical Acrylic Solution Copolymerization. Macromolecular Reaction Engineering, 2008, 2, 199-214.	1.5	40
52	Kinetics and Modeling of Free-Radical Batch Polymerization of Nonionized Methacrylic Acid in Aqueous Solution. Industrial & Engineering Chemistry Research, 2008, 47, 8197-8204.	3.7	40
53	Copper mediated controlled radical polymerization of methyl acrylate in the presence of ascorbic acid in a continuous tubular reactor. Polymer Chemistry, 2012, 3, 1322.	3.9	40
54	Kinetics and Modeling of Batch and Semibatch Aqueousâ€Phase NVP Freeâ€Radical Polymerization. Macromolecular Reaction Engineering, 2010, 4, 499-509.	1.5	39

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55	An Investigation of Free Radical Copolymerization Kinetics of the Bioâ€renewable Monomer Î³â€Methylâ€Î±â€methyleneâ€Î³â€butyrolactone with Methyl methacrylate and Styrene. Macromolecular Chemistry and Physics, 2010, 211, 501-509.	2.2	37
56	Continuous Atom Transfer Radical Polymerization in a Tubular Reactor. Macromolecular Reaction Engineering, 2008, 2, 31-36.	1.5	36
57	Free Radical Copolymerization Kinetics of Î³-Methyl-Î±-methylene-Î³-butyrolactone (MeMBL). Biomacromolecules, 2011, 12, 2319-2326.	5.4	36
58	Dewatering Oil Sands Tailings with Degradable Polymer Flocculants. ACS Applied Materials & Interfaces, 2017, 9, 36290-36300.	8.0	36
59	Modeling of Nitroxide-Mediated Semibatch Radical Polymerization. Macromolecular Reaction Engineering, 2007, 1, 243-252.	1.5	34
60	Reducing ATRP Catalyst Concentration in Batch, Semibatch and Continuous Reactors. Macromolecular Reaction Engineering, 2010, 4, 369-380.	1.5	34
61	Freeâ€Radical Acrylic Polymerization Kinetics at Elevated Temperatures. Chemical Engineering and Technology, 2010, 33, 1745-1753.	1.5	34
62	Polymerization of olefins through heterogeneous catalysis. IX. Experimental study of propylene polymerization over a high activity MgCl2-supported Ti catalyst. Journal of Applied Polymer Science, 1991, 43, 1271-1285.	2.6	32
63	Study of Butyl Methacrylate Depropagation Behavior Using Batch Experiments in Combination with Modeling. Industrial & Engineering Chemistry Research, 2009, 48, 4810-4816.	3.7	32
64	A Combined Computational and Experimental Study on the Freeâ€Radical Copolymerization of Styrene and Hydroxyethyl Acrylate. Macromolecular Chemistry and Physics, 2012, 213, 1706-1716.	2.2	32
65	The Effect of Hydrogen Bonding on Intramolecular Chain Transfer in Polymerization of Acrylates. Macromolecular Rapid Communications, 2011, 32, 1090-1095.	3.9	31
66	Continuous controlled radical polymerization of methyl acrylate with copper wire in a CSTR. Polymer Chemistry, 2012, 3, 486-497.	3.9	30
67	Understanding the Controlled Polymerization of Methyl Methacrylate with Low Concentrations of 9-(4-Vinylbenzyl)-9H-carbazole Comonomer by Nitroxide-Mediated Polymerization: The Pivotal Role of Reactivity Ratios. Macromolecules, 2013, 46, 805-813.	4.8	30
68	Radical Propagation Kinetics of Nâ€Vinylpyrrolidone in Organic Solvents Studied by Pulsedâ€Laser Polymerizationâ€“Sizeâ€Exclusion Chromatography (PLPâ€“SEC). Macromolecular Chemistry and Physics, 2014, 215, 2327-2336.	2.2	30
69	The influence of hydrogen bonding on radical chain-growth parameters for butyl methacrylate/2-hydroxyethyl acrylate solution copolymerization. Polymer Chemistry, 2016, 7, 4567-4574.	3.9	30
70	Reduced Branching in Poly(butyl acrylate) via Solution Radical Polymerization in n-Butanol. Macromolecules, 2011, 44, 5843-5845.	4.8	28
71	Modeling the Distribution of Functional Groups in Semibatch Radical Copolymerization: An Accelerated Stochastic Approach. Industrial & Engineering Chemistry Research, 2018, 57, 9407-9419.	3.7	28
72	Controlled synthesis of poly[(butyl methacrylate)â€coâ€(butyl acrylate)] via activator regenerated by electron transfer atom transfer radical polymerization: insights and improvement. Polymer International, 2014, 63, 848-857.	3.1	27

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73	Hydrogen bonding in radical solution copolymerization kinetics of acrylates and methacrylates: a comparison of hydroxy- and methoxy-functionality. Polymer Chemistry, 2017, 8, 1943-1952.	3.9	25
74	Solvent Effects on Kinetics of 2-Hydroxyethyl Methacrylate Semibatch Radical Copolymerization. Industrial & Engineering Chemistry Research, 2014, 53, 7296-7304.	3.7	24
75	Critically Evaluated Rate Coefficients in Radical Polymerization â€“ 8. Propagation Rate Coefficients for Vinyl Acetate in Bulk. Macromolecular Chemistry and Physics, 2017, 218, 1600357.	2.2	24
76	Modeling of Free-Radical Polymerization Kinetics with Crosslinking for Methyl Methacrylate/Ethylene Glycol Dimethacrylate. Polymer-Plastics Technology and Engineering, 1993, 1, 521-577.	0.7	23
77	Semibatch Atom Transfer Radical Copolymerization of Styrene and Butyl Acrylate. Macromolecular Symposia, 2007, 259, 151-163.	0.7	23
78	Termination Kinetics of 1â€Vinylpyrrolidinâ€2â€one Radical Polymerization in Aqueous Solution. Macromolecular Chemistry and Physics, 2011, 212, 1400-1409.	2.2	23
79	Mathematical modeling of the full molecular weight distribution in ATRP techniques. AICHE Journal, 2016, 62, 2762-2777.	3.6	23
80	Cationic Hydrolytically Degradable Flocculants with Enhanced Water Recovery for Oil Sands Tailings Remediation. Macromolecular Materials and Engineering, 2016, 301, 1248-1254.	3.6	23
81	Simulation of Free Radical Highâ€Pressure Copolymerization in a Multizone Autoclave: Model Development and Application. Polymer-Plastics Technology and Engineering, 2003, 11, 989-1015.	0.7	22
82	Penultimate Propagation Kinetics of Butyl Methacrylate, Butyl Acrylate, and Styrene Terpolymerization. Macromolecular Rapid Communications, 2007, 28, 1213-1218.	3.9	22
83	High Temperature Semibatch Free Radical Copolymerization of Styrene and Butyl Acrylate. Macromolecular Symposia, 2010, 289, 33-42.	0.7	22
84	Modeling the Radical Batch Homopolymerization of Acrylamide in Aqueous Solution. Macromolecular Reaction Engineering, 2016, 10, 490-501.	1.5	22
85	Update and critical reanalysis of IUPAC benchmark propagation rate coefficient data. Polymer Chemistry, 2022, 13, 1891-1900.	3.9	22
86	Kinetics and Modeling of Methacrylic Acid Radical Polymerization in Aqueous Solution. Macromolecular Reaction Engineering, 2013, 7, 267-276.	1.5	21
87	Effect of Head-To-Head Addition on Vinyl Acetate Propagation Kinetics in Radical Polymerization. Macromolecules, 2014, 47, 8145-8153.	4.8	21
88	The Combined Influence of Monomer Concentration and Ionization on Acrylamide/Acrylic Acid Composition in Aqueous Solution Radical Batch Copolymerization. Macromolecules, 2016, 49, 4746-4756.	4.8	21
89	Monomer Structure and Solvent Effects on Copolymer Composition in (Meth)acrylate Radical Copolymerization. Industrial & Engineering Chemistry Research, 2018, 57, 5215-5227.	3.7	21
90	Design of 2â€hydroxyethyl methacrylateâ€functional macromonomer dispersants by semiâ€batch cobalt chain transfer polymerization. AICHE Journal, 2019, 65, e16723.	3.6	21

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91	Freeâ€Radical Polymerization of Nâ€Vinylimidazole and Quaternized Vinylimidazole in Aqueous Solution. Macromolecular Chemistry and Physics, 2013, 214, 1140-1146.	2.2	20
92	Copolymer Composition Deviations from Mayoâ€“Lewis Conventional Free Radical Behavior in Nitroxide Mediated Copolymerization. Macromolecular Theory and Simulations, 2014, 23, 245-265.	1.4	20
93	Modeling of Semibatch Solution Radical Copolymerization of Butyl Methacrylate and 2â€Hydroxyethyl Acrylate. Macromolecular Reaction Engineering, 2018, 12, 1800008.	1.5	20
94	Characterization of n -butyl acrylate centered triads in poly(n -butyl acrylate- co -carbon monoxide-) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2004, 378, 1414-1427.	3.7	19
95	Polymerization reaction engineering: past, present and future. Macromolecular Symposia, 2004, 206, 1-14.	0.7	19
96	Solvent Effects on Radical Copolymerization Kinetics of 2-Hydroxyethyl Methacrylate and Butyl Methacrylate. Polymers, 2019, 11, 487.	4.5	19
97	Polymerization of olefins through heterogeneous catalysisâ€”the effect of condensation cooling on particle ignition. Journal of Applied Polymer Science, 1991, 43, 1387-1390.	2.6	18
98	Continuous ARGET ATRP of Methyl Methacrylate and Butyl Acrylate in a Stirred Tank Reactor. Industrial & Engineering Chemistry Research, 2013, 52, 11931-11942.	3.7	18
99	Copolymerization of nâ€Butyl Acrylate and Styrene: Terminal vs Penultimate Model. Macromolecular Chemistry and Physics, 2014, 215, 1668-1678.	2.2	18
100	High Temperature Free Radical Copolymerization with Depropagation and Penultimate Kinetic Effects. Macromolecular Theory and Simulations, 2005, 14, 554-559.	1.4	17
101	Estimation of Free Radical Polymerization Rate Coefficients Using Computational Chemistry. Macromolecular Symposia, 2006, 243, 179-189.	0.7	17
102	Determination of the Critical Chain Length of Oligomers in Dispersion Polymerization. ACS Macro Letters, 2012, 1, 171-174.	4.8	17
103	Superabsorbent hydrogels made from bio-sourced butyrolactone monomer in aqueous solution. Polymer Chemistry, 2017, 8, 6039-6049.	3.9	17
104	Structure Modifications of Hydrolytically-Degradable Polymer Flocculant for Improved Water Recovery from Mature Fine Tailings. Industrial & Engineering Chemistry Research, 2018, 57, 10809-10822.	3.7	17
105	A Semi-Batch Process for Nitroxide Mediated Radical Polymerization. Macromolecular Materials and Engineering, 2005, 290, 230-241.	3.6	16
106	The production of high polymer to surfactant microlatexes. Journal of Polymer Science Part A, 2010, 48, 48-54.	2.3	16
107	High Temperature Semibatch Free Radical Copolymerization of Butyl Methacrylate and Styrene. Macromolecular Symposia, 2006, 243, 24-34.	0.7	15
108	â€œLivingâ€•Radical Polymerization in Tubular Reactors, 2 â€“ Process Optimization for Tailorâ€Made Molecular Weight Distributions. Macromolecular Reaction Engineering, 2008, 2, 414-421.	1.5	15

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109	Polymerization Kinetics of Waterâ€Soluble Nâ€Vinyl Monomers in Aqueous and Organic Solution. Macromolecular Symposia, 2011, 302, 216-223.	0.7	15
110	Pulsed-laser and quantum mechanics study of n-butyl cyanoacrylate and methyl methacrylate free-radical copolymerization. Polymer Chemistry, 2015, 6, 1594-1603.	3.9	15
111	Extractable content of functional acrylic resins produced by radical copolymerization: A comparison of experiment and stochastic simulation. Chemical Engineering Journal, 2019, 378, 122087.	12.7	15
112	Detection of PLP Structure for Accurate Determination of Propagation Rate Coefficients over an Enhanced Range of PLP-SEC Conditions. Macromolecules, 2019, 52, 55-71.	4.8	14
113	A Study of Particle Nucleation in Dispersion Copolymerization of Methyl Methacrylate. Macromolecular Reaction Engineering, 2011, 5, 404-417.	1.5	13
114	A 3D Simulation Investigation of the Influence of Temperature Increases on the Accuracy of Propagation Rate Coefficients Determined by Pulsed-Laser Polymerization. Macromolecules, 2016, 49, 9320-9335.	4.8	13
115	Synthesis and Utilization of Low Dispersity Acrylic Macromonomer as Dispersant for Nonaqueous Dispersion Polymerization. Macromolecules, 2018, 51, 6267-6275.	4.8	13
116	Effect of Intramolecular Transfer to Polymer on Stationary Free Radical Polymerization of Alkyl Acrylates, 4 â€•Consideration of Penultimate Effect. Macromolecular Rapid Communications, 2009, 30, 1981-1988.	3.9	12
117	Nitroxide-Mediated Polymerization at Elevated Temperatures. ACS Macro Letters, 2015, 4, 280-283.	4.8	12
118	Polyester Macromonomer Syntheses and Radical Copolymerization Kinetics with Styrene. Macromolecules, 2017, 50, 784-795.	4.8	12
119	Polylactic acid macromonomer radical propagation kinetics and degradation behaviour. Reaction Chemistry and Engineering, 2017, 2, 487-497.	3.7	12
120	A comparison of the solution radical propagation kinetics of partially water-miscible non-functional acrylates to acrylic acid. Polymer Chemistry, 2020, 11, 7104-7114.	3.9	12
121	Deterministic Approach to Estimate Functionality of Chains Produced by Radical Copolymerization in the Presence of Secondary Reactions. Macromolecules, 2020, 53, 5674-5686.	4.8	12
122	Maximizing macromonomer content produced by starved-feed high temperature acrylate/methacrylate semi-batch polymerization. Polymer Chemistry, 2020, 11, 2137-2146.	3.9	12
123	Simulation of free radical high-pressure copolymerization in a multi-zone autoclave reactor: compartment model investigation. Macromolecular Symposia, 2004, 206, 443-456.	0.7	11
124	Determination of the Mode of Free Radical Termination from Pulsed Laser Polymerization Experiments. Macromolecular Theory and Simulations, 2007, 16, 29-42.	1.4	11
125	Investigation of Catalytic Chain Transfer Copolymerization of Methacrylates. Macromolecular Reaction Engineering, 2008, 2, 422-435.	1.5	11
126	High Temperature Semibatch Free Radical Copolymerization of Dodecyl Methacrylate and Styrene. Macromolecular Symposia, 2008, 261, 64-73.	0.7	11

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127	Aqueous copper(0) mediated reversible deactivation radical polymerization of 2-hydroxyethyl acrylate. Polymer Chemistry, 2015, 6, 6509-6518.	3.9	11
128	Investigating the Effectiveness of Reactive Dispersants in Nonâ€Aqueous Dispersion Polymerization. Macromolecular Reaction Engineering, 2016, 10, 71-81.	1.5	11
129	NMP of styrene in batch and CSTR at elevated temperatures: Modeling experimental trends. European Polymer Journal, 2016, 80, 186-199.	5.4	11
130	Experimental and Modeling Investigation of Radical Homopolymerization of 2â€(Methacryloyloxyethyl) Trimethylammonium Chloride in Aqueous Solution. Macromolecular Reaction Engineering, 2020, 14, 1900033.	1.5	11
131	Solvent Effects in Semibatch Free Radical Copolymerization of 2â€Hydroxyethyl methacrylate and Styrene at High Temperatures. Macromolecular Symposia, 2013, 325-326, 203-212.	0.7	10
132	A Methyl Methacrylateâ€“<scp>HEMA</scp>â€<scp>CL</scp>_n Copolymerization Investigation: From Kinetics to Bioapplications. Macromolecular Bioscience, 2013, 13, 1347-1357.	4.1	10
133	The Effect of Hydrogen Bonding on Radical Semi-Batch Copolymerization of Butyl Acrylate and 2-Hydroxyethyl Acrylate. Polymers, 2017, 9, 368.	4.5	10
134	Stochastic Modeling of Poly(acrylate) Distributions Obtained by Radical Polymerization under Highâ€Temperature Semiâ€Batch Starvedâ€Feed Conditions: Investigation of Model Predictions versus Experimental Data. Macromolecular Theory and Simulations, 2021, 30, 2000093.	1.4	10
135	An automated recipe generator for semi-batch solution radical copolymerization via comprehensive stochastic modeling and derivative-free algorithms. Chemical Engineering Journal, 2021, 417, 127920.	12.7	10
136	Aqueousâ€Phase Copolymerization of Nâ€Vinylpyrrolidone and Nâ€Vinylformamide. Macromolecular Chemistry and Physics, 2012, 213, 1330-1338.	2.2	9
137	Propagation Kinetics of Isopreneâ€“Glycidyl Methacrylate Copolymerizations Investigated via PLPâ€“SEC. Macromolecular Rapid Communications, 2017, 38, 1700105.	3.9	9
138	Pulsed laser studies of cationic reactive surfactant radical propagation kinetics. Polymer, 2017, 130, 39-49.	3.8	9
139	Low Conversion 4-Acetoxystyrene Free-Radical Polymerization Kinetics Determined by Pulsed-Laser and Thermal Polymerization. Macromolecular Chemistry and Physics, 2006, 207, 1429-1438.	2.2	8
140	A Novel Approach for Investigation of Chain Transfer Events by Pulsed Laser Polymerization. Macromolecular Chemistry and Physics, 2011, 212, 699-707.	2.2	8
141	Vinyl pivalate Propagation Kinetics in Radical Polymerization. Macromolecular Chemistry and Physics, 2016, 217, 51-58.	2.2	8
142	The influence of adding functionality to dispersant and particle core compositions in non-aqueous dispersion polymerization. Reactive and Functional Polymers, 2017, 114, 31-37.	4.1	8
143	Experimental and Modeling Investigations of Aqueous-Phase Radical Copolymerization of 2-(Methacryloyloxyethyl)trimethylammonium Chloride with Acrylic Acid. Industrial & Engineering Chemistry Research, 2020, 59, 3359-3374.	3.7	8
144	Evaluation of a Novel Polymeric Flocculant for Enhanced Water Recovery of Mature Fine Tailings. Processes, 2020, 8, 735.	2.8	8

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145	Evidence of Scission Products from Peroxide-Initiated Higher Temperature Polymerization of Alkyl Methacrylates. Macromolecules, 2009, 42, 4910-4913.	4.8	7
146	The effect of cosurfactants and the initiator concentration on the polymer to surfactant concentration in nanolatexes. Journal of Polymer Science Part A, 2012, 50, 944-956.	2.3	7
147	ARGET ATRP of BMA and BA: Exploring Limitations at Low Copper Levels. ACS Symposium Series, 2012, , 183-202.	0.5	7
148	Determination of Mark-Houwink Parameters and Absolute Molecular Weight of Medium-Chain-Length Poly(3-Hydroxyalkanoates). Journal of Polymers and the Environment, 2013, 21, 24-29.	5.0	7
149	A machine-readable online database for rate coefficients in radical polymerization. Polymer Chemistry, 2021, 12, 3688-3692.	3.9	7
150	Measurement and Modeling of Methyl Acrylate Radical Polymerization in Polar and Nonpolar Solvents. Industrial & Engineering Chemistry Research, 2022, 61, 6398-6413.	3.7	7
151	Investigating the impact of operating parameters on molecular weight distributions using functional regression. Macromolecular Symposia, 2004, 206, 495-508.	0.7	6
152	Development of on-line optimization-based control strategies for a starved-feed semibatch copolymerization reactor. Control Engineering Practice, 2010, 18, 131-139.	5.5	6
153	Kinetics and Modeling of Aqueous Phase Radical Homopolymerization of 3-(Methacryloylaminopropyl)trimethylammonium Chloride and its Copolymerization with Acrylic Acid. Processes, 2020, 8, 1352.	2.8	6
154	Measuring and modelling the peculiarities of aqueousâ€phase radical polymerization. Canadian Journal of Chemical Engineering, 2016, 94, 2045-2051.	1.7	5
155	Kinetic importance of the missing step in dithiobenzoate-mediated RAFT polymerizations of acrylates. Chemical Engineering Journal, 2021, 415, 128970.	12.7	5
156	Determination of the Mode of Radical Termination from Pulsed Laser Polymerization Experiments in the Presence of Retardation and Chain Transfer to Agent. Macromolecular Chemistry and Physics, 2013, 214, 2670-2682.	2.2	4
157	Design of Acrylic Dispersants for Nonaqueous Dispersion Polymerization: The Importance of Thermodynamics. Macromolecular Reaction Engineering, 2018, 12, 1800025.	1.5	4
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