Charles L Mccormick

List of Publications by Year
in descending order

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145 papers	12,989 citations	22132 59 h-index	23514 111 g-index
152 all docs	152 docs citations	152 times ranked	7708 citing authors

#	Article	IF	Citations
1	Synthesis and Solution Properties of Zwitterionic Polymers. Chemical Reviews, 2002, 102, 4177-4190.	23.0	804
2	Water-Soluble Polymers. 81. Direct Synthesis of Hydrophilic Styrenic-Based Homopolymers and Block Copolymers in Aqueous Solution via RAFT. Macromolecules, 2001, 34, 2248-2256.	2.2	705
3	Reversible additionâ€“fragmentation chain transfer (RAFT) radical polymerization and the synthesis of water-soluble (co)polymers under homogeneous conditions in organic and aqueous media. Progress in Polymer Science, 2007, 32, 283-351.	11.8	695
4	Aqueous RAFT Polymerization:â€‰ Recent Developments in Synthesis of Functional Water-Soluble (Co)polymers with Controlled Structures. Accounts of Chemical Research, 2004, 37, 312-325.	7.6	529
5	Stimuli-responsive amphiphilic (co)polymers via RAFT polymerization. Progress in Polymer Science, 2010, 35, 45-93.	11.8	392
6	Facile Preparation of Transition Metal Nanoparticles Stabilized by Well-Defined (Co)polymers Synthesized via Aqueous Reversible Addition-Fragmentation Chain Transfer Polymerization. Journal of the American Chemical Society, 2002, 124, 11562-11563.	6.6	359
7	Direct Synthesis of Thermally Responsive DMA/NIPAM Diblock and DMA/NIPAM/DMA Triblock Copolymers via Aqueous, Room Temperature RAFT Polymerizationâ€. Macromolecules, 2006, 39, 1724-1730.	2.2	327
8	Advances in the synthesis of amphiphilic block copolymers via RAFT polymerization: Stimuli-responsive drug and gene deliveryâ˜†. Advanced Drug Delivery Reviews, 2008, 60, 1018-1036.	6.6	321
9	Thermally Responsive Vesicles and Their Structural â€œLockingâ€•through Polyelectrolyte Complex Formation. Angewandte Chemie - International Edition, 2006, 45, 5792-5795.	7.2	304
10	Synthesis of Reversible Shell Cross-Linked Micelles for Controlled Release of Bioactive Agentsâ€. Macromolecules, 2006, 39, 2726-2728.	2.2	275
11	Facile, Controlled, Room-Temperature RAFT Polymerization ofN-Isopropylacrylamideâ€. Biomacromolecules, 2004, 5, 1177-1180.	2.6	230
12	Hydrolytic Susceptibility of Dithioester Chain Transfer Agents and Implications in Aqueous RAFT Polymerizations. Macromolecules, 2004, 37, 1735-1741.	2.2	228
13	RAFT Synthesis of a Thermally Responsive ABC Triblock Copolymer IncorporatingN-Acryloxysuccinimide for Facile in Situ Formation of Shell Cross-Linked Micelles in Aqueous Mediaâ€. Macromolecules, 2006, 39, 81-89.	2.2	208
14	Fluorescent Labeling of RAFT-Generated Poly(N-isopropylacrylamide) via a Facile Maleimideâ^'Thiol Coupling Reactionâ€. Biomacromolecules, 2006, 7, 1389-1392.	2.6	206
15	Modification of Gold Surfaces with Water-Soluble (Co)polymers Prepared via Aqueous Reversible Additionâ^'Fragmentation Chain Transfer (RAFT) Polymerizationâ€. Langmuir, 2003, 19, 5559-5562.	1.6	195
16	RAFT-synthesized diblock and triblock copolymers: thermally-induced supramolecular assembly in aqueous media. Soft Matter, 2008, 4, 1760.	1.2	192
17	Direct, Controlled Synthesis of the Nonimmunogenic, Hydrophilic Polymer, Poly(N-(2-hydroxypropyl)methacrylamide) via RAFT in Aqueous Mediaâ€. Biomacromolecules, 2005, 6, 1846-1850.	2.6	182
18	â€œSchizophrenicâ€•Self-Assembly of Block Copolymers Synthesized via Aqueous RAFT Polymerization: From Micelles to Vesiclesâ€Paper number 143 in a series on Water-Soluble Polymers.. Macromolecules, 2010, 43, 1210-1217.	2.2	181

#	Article	IF	Citations
19	Raft Polymerization ofN,N-Dimethylacrylamide Utilizing Novel Chain Transfer Agents Tailored for High Reinitiation Efficiency and Structural Controlâ€. Macromolecules, 2002, 35, 4123-4132.	2.2	176
20	Water-Soluble Polymers. 84. Controlled Polymerization in Aqueous Media of Anionic Acrylamido Monomers via RAFT. Macromolecules, 2001, 34, 6561-6564.	2.2	158
21	Reversible Imine Shell Cross-Linked Micelles from Aqueous RAFT-Synthesized Thermoresponsive Triblock Copolymers as Potential Nanocarriers for â€œpH-Triggeredâ€•Drug Release. Macromolecules, 2011, 44, 1327-1334.	2.2	153
22	Kinetics and Molecular Weight Control of the Polymerization of Acrylamide via RAFTâ€. Macromolecules, 2004, 37, 8941-8950.	2.2	151
23	The direct polymerization of 2-methacryloxyethyl glucoside via aqueous reversible addition-fragmentation chain transfer (RAFT) polymerization. Polymer, 2003, 44, 6761-6765.	1.8	148
24	RAFT Polymerization ofN,N-Dimethylacrylamide in Waterâ€. Macromolecules, 2002, 35, 4570-4572.	2.2	144
25	Water-soluble copolymers. 49. Effect of the distribution of the hydrophobic cationic monomer dimethyldodecyl(2-acrylamidoethyl)ammonium bromide on the solution behavior of associating acrylamide copolymers. Macromolecules, 1993, 26, 6121-6126.	2.2	138
26	Aqueous RAFT Synthesis of pH-Responsive Triblock Copolymer mPEOâ^'PAPMAâ^'PDPAEMA and Formation of Shell Cross-Linked Micelles. Macromolecules, 2008, 41, 8429-8435.	2.2	138
27	Aqueous Solution Properties of pH-Responsive AB Diblock Acrylamido Copolymers Synthesized via Aqueous RAFTâ€. Macromolecules, 2003, 36, 5982-5987.	2.2	137
28	Responsive Nanoassemblies via Interpolyelectrolyte Complexation of Amphiphilic Block Copolymer Micelles. Macromolecules, 2006, 39, 8594-8602.	2.2	133
29	Synthesis and Evaluation of New Dicarboxylic Acid Functional Trithiocarbonates:Â RAFT Synthesis of Telechelic Poly(n-butyl acrylate)s. Macromolecules, 2005, 38, 9518-9525.	2.2	131
30	Conditions for Facile, Controlled RAFT Polymerization of Acrylamide in Waterâ€. Macromolecules, 2003, 36, 1436-1439.	2.2	129
31	Synthesis of Block Copolymers of 2- and 4-Vinylpyridine by RAFT Polymerization. Macromolecules, 2003, 36, 4679-4681.	2.2	123
32	Direct Controlled Polymerization of a Cationic Methacrylamido Monomer in Aqueous Media via the RAFT Processâ€. Macromolecules, 2004, 37, 2728-2737.	2.2	122
33	Thermoreversible Hydrogels from RAFT-Synthesized BAB Triblock Copolymers: Steps toward Biomimetic Matrices for Tissue Regeneration. Biomacromolecules, 2008, 9, 481-486.	2.6	122
34	Controlled/â€œLivingâ€•Polymerization of Sulfobetaine Monomers Directly in Aqueous Media via RAFTâ€. Macromolecules, 2002, 35, 8663-8666.	2.2	121
35	Sulfobetaine-containing diblock and triblock copolymers via reversible addition-fragmentation chain transfer polymerization in aqueous media. Journal of Polymer Science Part A, 2003, 41, 1262-1281.	2.5	108
36	Facile Synthesis of Multivalent Folate-Block Copolymer Conjugates via Aqueous RAFT Polymerization: Targeted Delivery of siRNA and Subsequent Gene Suppression. Biomacromolecules, 2009, 10, 936-943.	2.6	106

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37	Aqueous RAFT Polymerization of Acrylamide andN,N-Dimethylacrylamide at Room Temperature. Macromolecular Rapid Communications, 2005, 26, 791-795.	2.0	104
38	In Situ Formation of Gold-â€œDecoratedâ€•Vesicles from a RAFT-Synthesized, Thermally Responsive Block CopolymerÂ§. Macromolecules, 2007, 40, 8524-8526.	2.2	103
39	Water-soluble copolymers. 39. Synthesis and solution properties of associative acrylamido copolymers with pyrenesulfonamide fluorescence labels. Macromolecules, 1992, 25, 1881-1886.	2.2	97
40	Water-soluble copolymers. 40. Photophysical studies of the solution behavior of associative pyrenesulfonamide-labeled polyacrylamides. Macromolecules, 1992, 25, 1887-1895.	2.2	97
41	Rational Design of Targeted Cancer Therapeutics through the Multiconjugation of Folate and Cleavable siRNA to RAFT-Synthesized (HPMA-s-APMA) Copolymers. Biomacromolecules, 2010, 11, 505-514.	2.6	92
42	Water-soluble polymers. 28. Ampholytic copolymers of sodium 2-acrylamido-2-methylpropanesulfonate with (2-acrylamido-2-methylpropyl)dimethylammonium chloride: synthesis and characterization. Macromolecules, 1988, 21, 686-693.	2.2	89
43	Tuning Nanostructure Morphology and Gold Nanoparticle â€œLockingâ€•of Multi-Responsive Amphiphilic Diblock Copolymers â€ Paper No. 138 in a series on Water Soluble Polymers.. Macromolecules, 2009, 42, 2958-2964.	2.2	89
44	Aqueous solution properties of pH-responsive AB diblock acrylamido-styrenic copolymers synthesized via aqueous reversible addition-fragmentation chain transfer. Journal of Polymer Science Part A, 2004, 42, 1724-1734.	2.5	85
45	Corona-Stabilized Interpolyelectrolyte Complexes of SiRNA with Nonimmunogenic, Hydrophilic/Cationic Block Copolymers Prepared by Aqueous RAFT Polymerizationâ€. Macromolecules, 2006, 39, 6871-6881.	2.2	84
46	Water-Soluble Polymers. 73. Electrolyte- and pH-Responsive Zwitterionic Copolymers of 4-[(2-Acrylamido-2-methylpropyl)- dimethylammonio]butanoate with 3-[(2-Acrylamido-2-methyl-) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	2.2	81
47	Facile Synthetic Procedure for Ï‰, Primary Amine Functionalization Directly in Water for Subsequent Fluorescent Labeling and Potential Bioconjugation of RAFT-Synthesized (Co)Polymers. Biomacromolecules, 2007, 8, 2337-2341.	2.6	81
48	Aqueous RAFT Synthesis of Micelle-Forming Amphiphilic Block Copolymers Containing N-Acryloylvaline. Dual Mode, Temperature/pH Responsiveness, and â€œLockingâ€•of Micelle Structure through Interpolyelectrolyte Complexation. Macromolecules, 2007, 40, 6473-6480.	2.2	79
49	Water-soluble polymers in enhanced oil recovery. Progress in Polymer Science, 1990, 15, 103-145.	11.8	78
50	Guanidine-Containing Methacrylamide (Co)polymers via aRAFT: Toward a Cell-Penetrating Peptide Mimic. ACS Macro Letters, 2012, 1, 100-104.	2.3	78
51	Water-soluble copolymers. 14. Potentiometric and turbidimetric studies of water-soluble copolymers of acrylamide: comparison of carboxylated and sulfonated copolymers. Macromolecules, 1986, 19, 542-547.	2.2	76
52	Water-Soluble Copolymers. 64. Effects of pH and Composition on Associative Properties of Amphiphilic Acrylamide/Acrylic Acid Terpolymers. Macromolecules, 1996, 29, 254-262.	2.2	73
53	Guanidinium-Functionalized Interpolyelectrolyte Complexes Enabling RNAi in Resistant Insect Pests. Biomacromolecules, 2018, 19, 1111-1117.	2.6	68
54	Aqueous RAFT polymerization of 2â€•aminoethyl methacrylate to produce wellâ€•defined, primary amine functional homoâ€•and copolymers. Journal of Polymer Science Part A, 2009, 47, 5405-5415.	2.5	66

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55	Antimicrobial Poly(methacrylamide) Derivatives Prepared via Aqueous RAFT Polymerization Exhibit Biocidal Efficiency Dependent upon Cation Structure. Biomacromolecules, 2012, 13, 2472-2482.	2.6	66
56	RAFT-synthesized copolymers and conjugates designed for therapeutic delivery of siRNA. Polymer Chemistry, 2011, 2, 1428.	1.9	63
57	Water-soluble copolymers. 29. Ampholytic copolymers of sodium 2-acrylamido-2-methylpropanesulfonate with (2-acrylamido-2-methylpropyl)dimethylammonium chloride: solution properties. Macromolecules, 1988, 21, 694-699.	2.2	62
58	Water soluble polymers: 69. pH and electrolyte responsive copolymers of acrylamide and the zwitterionic monomer 4-(2-acrylamido-2-methylpropyldimethylammonio) butanoate: synthesis and solution behaviour. Polymer, 1997, 38, 871-878.	1.8	62
59	Water-soluble copolymers. 43. Ampholytic copolymers of sodium 2-(acrylamido)-2-methylpropanesulfonate with [2-(acrylamido)-2-methylpropyl]trimethylammonium chloride. Macromolecules, 1992, 25, 1896-1900.	2.2	60
60	Water Soluble Polymers. 76. Electrolyte Responsive Cyclocopolymers with Sulfobetaine Units Exhibiting Polyelectrolyte or Polyampholyte Behavior in Aqueous Media. Macromolecules, 2000, 33, 419-424.	2.2	60
61	Water soluble copolymers: 46. Hydrophilic sulphobetaine copolymers of acrylamide and 3-(2-acrylamido-2-methylpropanedimethylammonio)-1-propanesulphonate. Polymer, 1992, 33, 4617-4624.	1.8	58
62	Antimicrobial Peptide Mimicking Primary Amine and Guanidine Containing Methacrylamide Copolymers Prepared by Raft Polymerization. Biomacromolecules, 2015, 16, 3845-3852.	2.6	58
63	Structural Characterization and Solution Properties of a Galacturonate Polysaccharide Derived from Aloe vera Capable of in Situ Gelation. Biomacromolecules, 2008, 9, 472-480.	2.6	57
64	Enhanced Coil Expansion and Intrapolymer Complex Formation of Linear Poly(methacrylic acid) Containing Poly(ethylene glycol) Graftsâ€. Macromolecules, 2004, 37, 2603-2612.	2.2	56
65	Tailored Design of Au Nanoparticle-siRNA Carriers Utilizing Reversible Additionâ^'Fragmentation Chain Transfer Polymers. Biomacromolecules, 2010, 11, 1052-1059.	2.6	55
66	Water-soluble copolymers: 57. Amphiphilic cyclocopolymers of diallylalkoxybenzyl-methylammonium chloride and diallyl-dimethylammonium chloride. Polymer, 1994, 35, 3503-3512.	1.8	53
67	Water-Soluble Copolymers. 50. Effect of Surfactant Addition on the Solution Properties of Amphiphilic Copolymers of Acrylamide and Dimethyldodecyl(2-acrylamidoethyl)ammonium Bromide. Macromolecules, 1994, 27, 2145-2150.	2.2	51
68	Water-Soluble Polymers. 80. Rheological and Photophysical Studies of pH-Responsive Terpolymers Containing Hydrophobic Twin-Tailed Acrylamide Monomers. Macromolecules, 2001, 34, 5579-5586.	2.2	50
69	Controlled/living polymerization of methacrylamide in aqueous media via the RAFT process. Journal of Polymer Science Part A, 2005, 43, 3141-3152.	2.5	49
70	Facile 'One-Pot' Preparation of Reversible, Disulfide-Containing Shell Cross-Linked Micelles from a RAFT-Synthesized, pH-Responsive Triblock Copolymer in Water at Room Temperature. Australian Journal of Chemistry, 2009, 62, 1520.	0.5	47
71	Water soluble polymers: 70. Effects of methylene versus propylene spacers in the pH and electrolyte responsiveness of zwitterionic copolymers incorporating carboxybetaine monomers. Polymer, 1997, 38, 879-886.	1.8	46
72	Synthetic Routes to Stimuliâ€Responsive Micelles, Vesicles, and Surfaces via Controlled/Living Radical Polymerizationâ^—. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 2006, 46, 421-443.	2.2	46

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73	Water-soluble polymers. 72. synthesis and solution behavior of responsive copolymers of acrylamide and the zwitterionic monomer 6-(2-acrylamido-2-methylpropyldimethylammonio) hexanoate. Journal of Polymer Science Part A, 1997, 35, 243-253.	2.5	44
74	Reversible Interpolyelectrolyte Shell Cross-Linked Micelles from pH/Salt-Responsive Diblock Copolymers Synthesized via RAFT in Aqueous Solution. Macromolecules, 2010, 43, 7033-7040.	2.2	44
75	Electrolyte- and pH-responsive polyampholytes with potential as viscosity-control agents in enhanced petroleum recovery. Journal of Applied Polymer Science, 2007, 104, 2812-2821.	1.3	43
76	Hydrophobically modified acrylamide-based polybetaines. I. Synthesis, characterization, and stimuli-responsive solution behavior. Journal of Applied Polymer Science, 2004, 92, 647-657.	1.3	42
77	Tunable pH- and CO2-Responsive Sulfonamide-Containing Polymers by RAFT Polymerization. Macromolecules, 2015, 48, 5487-5495.	2.2	41
78	Water-soluble copolymers. V. Compositional determination of random copolymers of acrylamide with sulfonated comonomers by infrared spectroscopy and C13 nuclear magnetic resonance. Journal of Applied Polymer Science, 1982, 27, 3103-3120.	1.3	40
79	Molecular weight control of polyacrylamide with sodium formate as a chain-transfer agent: Characterization via size exclusion chromatography/multi-angle laser light scattering and determination of chain-transfer constant. Journal of Polymer Science Part A, 2003, 41, 560-568.	2.5	40
80	pH-responsive polyzwitterions: A comparative study of acrylamide-based polyampholyte terpolymers and polybetaine copolymers. Journal of Applied Polymer Science, 2004, 94, 24-39.	1.3	40
81	Water soluble copolymers: 44. Ampholytic terpolymers of acrylamide with sodium 2-acrylamido-2-methylpropanesulphonate and 2-acrylamido-2-methylpropanetrimethyl-ammonium chloride. Polymer, 1992, 33, 4384-4387.	1.8	39
82	Water-Soluble Polymers. 60. Synthesis and Solution Behavior of Terpolymers of Acrylic Acid, Acrylamide, and the Zwitterionic Monomer 3-[(2-Acrylamido-2-methylpropyl)dimethylammonio]-1-propanesulfonate. Macromolecules, 1994, 27, 3156-3161.	2.2	39
83	Water-Soluble Polymers. 79. Interaction of Microblocky Twin-Tailed Acrylamido Terpolymers with Anionic, Cationic, and Nonionic Surfactants. Langmuir, 2001, 17, 1719-1725.	1.6	38
84	Water-soluble copolymers. XLV. Ampholytic terpolymers of acrylamide with sodium 3-acrylamido-3-methylbutanoate and 2-acrylamido-2-methylpropanetrimethylammonium chloride. Journal of Applied Polymer Science, 1993, 48, 1115-1120.	1.3	36
85	Chiroptical Properties of Homopolymers and Block Copolymers Synthesized from the Enantiomeric Monomers N-Acryloyl-L-Alanine and N-Acryloyl-D-Alanine Using Aqueous RAFT Polymerization. Australian Journal of Chemistry, 2006, 59, 749.	0.5	36
86	Facile, modular transformations of RAFT block copolymers via sequential isocyanate and thiol-ene reactions. Polymer Chemistry, 2011, 2, 1976.	1.9	36
87	Water-soluble copolymers. VI. Dilute solution viscosity studies of random copolymers of acrylamide with sulfonated comonomers. Journal of Applied Polymer Science, 1984, 29, 713-730.	1.3	35
88	Water-soluble polymers: 33. Ampholytic terpolymers of sodium 2-acrylamido-2-methylpropanesulphonate with 2-acrylamido-2-methylpropanedimethylammonium chloride and acrylamide: synthesis and aqueous-solution behaviour. Polymer, 1990, 31, 1100-1107.	1.8	35
89	Characterization of pH-dependent micellization of polystyrene-based cationic block copolymers prepared by reversible addition-fragmentation chain transfer (RAFT) radical polymerization. Polymer, 2006, 47, 4333-4340.	1.8	34
90	â€œOne-Potâ€•Aminolysis/Thiolâ€“Maleimide End-Group Functionalization of RAFT Polymers: Identifying and Preventing Michael Addition Side Reactions. Macromolecules, 2016, 49, 6193-6202.	2.2	34

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91	pH-Responsive ampholytic terpolymers of acrylamide, sodium 3-acrylamido-3-methylbutanoate, and (3-acrylamidopropyl)trimethylammonium chloride. I. Synthesis and characterization. Journal of Polymer Science Part A, 2004, 42, 3236-3251.	2.5	33
92	Water-Soluble Polymers. 77. Amphoteric Cyclocopolymers with Sulfobetaine Units:Â Phase Behavior in Aqueous Media and Solubilization ofp-Cresol in Microdomains. Macromolecules, 2000, 33, 2944-2951.	2.2	32
93	High molecular weight and low dispersity polyacrylonitrile by low temperature RAFT polymerization. Journal of Polymer Science Part A, 2016, 54, 553-562.	2.5	32
94	Reversible â€œSelf-Lockedâ€•Micelles from a Zwitterion-Containing Triblock Copolymer. Macromolecules, 2009, 42, 4941-4945.	2.2	30
95	Water-Soluble Polymers. 78. Viscosity and NRET Fluorescence Studies of pH-Responsive Twin-Tailed Associative Terpolymers Based on Acrylic Acid and Methacrylamide. Macromolecules, 2001, 34, 918-924.	2.2	29
96	Reversible Additionâ^'Fragmentation Chain Transfer (RAFT) Polymerization in an Inverse Microemulsion: Partitioning of Chain Transfer Agent (CTA) and Its Effects on Polymer Molecular Weight. Macromolecules, 2010, 43, 6599-6607.	2.2	29
97	Stimuli-responsive ampholytic terpolymers ofN-acryloyl-valine, acrylamide, and (3-acrylamidopropyl)trimethylammonium chloride: Synthesis, characterization, and solution properties. Journal of Polymer Science Part A, 2006, 44, 3125-3139.	2.5	28
98	Structurally controlled â€œpolysoapsâ€•via RAFT copolymerization of AMPS and n-dodecyl acrylamide for environmental remediation. Polymer Chemistry, 2014, 5, 819-827.	1.9	28
99	Water-soluble polymers. 71. pH responsive behavior of terpolymers of sodium acrylate, acrylamide, and the zwitterionic monomer 4-(2-acrylamido-2-methylpropanedimethylammonio)butanoate. Journal of Polymer Science Part A, 1997, 35, 231-242.	2.5	27
100	Layer-by-Layer Assembly of pH-Responsive, Compositionally Controlled (Co)polyelectrolytes Synthesized via RAFT. Langmuir, 2007, 23, 230-240.	1.6	26
101	Reversible gold â€œlockedâ€•synthetic vesicles derived from stimuli-responsive diblock copolymers. Polymer Chemistry, 2010, 1, 628.	1.9	26
102	Hydrophobically modified acrylamide-based polybetaines. II. Interaction with surfactants in aqueous solution. Journal of Applied Polymer Science, 2004, 92, 658-671.	1.3	25
103	Mechanistic Insights into Temperature-Dependent Trithiocarbonate Chain-End Degradation during the RAFT Polymerization of N-Arylmethacrylamides. Macromolecules, 2016, 49, 465-474.	2.2	25
104	Water-Soluble Copolymers. XLI. Copolymers of Acrylamide and Sodium 3-Acrylamido-3-methylbutanoate. Journal of Macromolecular Science - Pure and Applied Chemistry, 1992, 29, 193-205.	1.2	24
105	pH-responsive ampholytic terpolymers of acrylamide, sodium 3-acrylamido-3-methylbutanoate, and (3-acrylamidopropyl)trimethylammonium chloride. II. Solution properties. Journal of Polymer Science Part A, 2004, 42, 3252-3270.	2.5	24
106	Stimuli Responsive Water-Soluble and Amphiphilic (Co)polymers. ACS Symposium Series, 2000, , 1-13.	0.5	23
107	Synthesis, complex formation, and dilute-solution associative behavior of linear poly(methacrylic) Tj ETQq1 1 0.784314 rgBT /Overloc	2.5	23
108	Reversible Additionâ^'Fragmentation Chain Transfer (RAFT) Polymerization in an Inverse Microemulsion System: Homopolymerization, Chain Extension, and Block Copolymerizationâ€Paper no. 140 in a series on Water-Soluble Polymers.. Macromolecules, 2009, 42, 5043-5052.	2.2	23

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109	Aqueous RAFT Synthesis of Glycopolymers for Determination of Saccharide Structure and Concentration Effects on Amyloid Î² Aggregation. Biomacromolecules, 2017, 18, 3359-3366.	2.6	22
110	RAFT Synthesis and Solution Properties of pHâ€Responsive Styrenicâ€Based AB Diblock Copolymers of 4â€Vinylbenzyltrimethylphosphonium Chloride with N,Nâ€Dimethylbenzylvinylamine. Macromolecular Chemistry and Physics, 2007, 208, 2339-2347.	1.1	21
111	RAFT Polymerization of â€œSplittersâ€•and â€œCryptosâ€• Exploiting Azole-N-carboxamides As Blocked Isocyanates for Ambient Temperature Postpolymerization Modification. Macromolecules, 2016, 49, 554-563.	2.2	21
112	Effect of Sequential Layer-by-Layer Surface Modifications on the Surface Energy of Plasma-Modified Poly(dimethylsiloxane). Langmuir, 2007, 23, 667-672.	1.6	20
113	Polyampholyte terpolymers of amphoteric, amino acid-based monomers with acrylamide and (3-acrylamidopropyl)trimethyl ammonium chloride. Journal of Polymer Science Part A, 2006, 44, 4479-4493.	2.5	19
114	Water-soluble polymers. LXXXII. Shear degradation effects on drag reduction behavior of dilute polymer solutions. Journal of Applied Polymer Science, 2001, 82, 1211-1221.	1.3	17
115	Water-soluble polymers. LXXXIII. Correlation of experimentally determined drag reduction efficiency and extensional viscosity of high molecular weight polymers in dilute aqueous solution. Journal of Applied Polymer Science, 2001, 82, 1222-1231.	1.3	17
116	Water-soluble copolymers. XLII. Cationic polyelectrolytes of acrylamide and 2-acrylamido-2-methylpropanetrimethylammonium chloride. Journal of Polymer Science Part A, 1993, 31, 1099-1104.	2.5	16
117	Temperature-induced ordering and gelation of star micelles based on ABA triblocks synthesized via aqueous RAFT polymerization. Soft Matter, 2009, 5, 2179.	1.2	16
118	Bioconjugation of <scp>D</scp>â€glucuronic acid sodium salt to wellâ€defined primary amineâ€containing homopolymers and block copolymers. Journal of Polymer Science Part A, 2010, 48, 3052-3061.	2.5	16
119	Title is missing!. Die Makromolekulare Chemie, 1987, 188, 357-370.	1.1	15
120	Stimuliâ€responsive micelles of amphiphilic AMPSâ€b â€AAL copolymers in layerâ€byâ€layer films. Journal of Polymer Science Part A, 2011, 49, 1104-1111.	2.5	15
121	Water-Soluble Polymers. XXXIV. Ampholyte Terpolymers of Sodium 3-Acrylamido-3-Methylbutanoatewith 2-Acrylamido-2-Methylpropane-Dimethylammonium Chloride and Acrylamide: Synthesis and Absorbency Behavior. Journal of Macromolecular Science Part A, Chemistry, 1990, 27, 539-547.	0.4	14
122	Block ionomer complexes consisting of siRNA and aRAFT-synthesized hydrophilic-block-cationic copolymers: the influence of cationic block length on gene suppression. Polymer Chemistry, 2014, 5, 6967-6976.	1.9	14
123	The Synthesis of Hydrophobically Modified Waterâ€Soluble Polyzwitterionic Copolymers and Responsiveness to Surfactants in Aqueous Solution. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 587-611.	1.2	13
124	Endolytic, pH-Responsive HPMA-b-(<scp>l</scp>-Glu) Copolymers Synthesized via Sequential Aqueous RAFT and Ring-Opening Polymerizations. Biomacromolecules, 2013, 14, 3793-3799.	2.6	13
125	Aqueous RAFT at pH zero: enabling controlled polymerization of unprotected acyl hydrazide methacrylamides. Polymer Chemistry, 2017, 8, 4978-4982.	1.9	13
126	Amphoteric, Sulfonamide-Functionalized â€œPolysoapsâ€• CO2-Induced Phase Separation for Water Remediation. Macromolecules, 2018, 51, 9052-9059.	2.2	12

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127	Amphipathic polymers with stimuli-responsive microdomains for water remediation: Binding studies withp-cresol. Journal of Applied Polymer Science, 1999, 74, 2290-2300.	1.3	11
128	Reversible Addition Fragmentation Chain Transfer Polymerization of Water-Soluble, Ion-Containing Monomers. ACS Symposium Series, 2006, , 95-115.	0.5	11
129	Adsorption of a fungal hydrophobin onto surfaces as mediated by the associated polysaccharide schizophyllan. Biopolymers, 1999, 49, 621-633.	1.2	10
130	Block ionomer complexes consisting of siRNA and aRAFT-synthesized hydrophilic-block-cationic copolymers II: the influence of cationic block charge density on gene suppression. Polymer Chemistry, 2016, 7, 6044-6054.	1.9	10
131	Label-free characterization of organic nanocarriers reveals persistent single molecule cores for hydrocarbon sequestration. Nature Communications, 2021, 12, 3123.	5.8	9
132	A Perspective on the History and Current Opportunities of Aqueous RAFT Polymerization. Macromolecular Rapid Communications, 2022, 43, .	2.0	8
133	RAFT Polymerization in Homogeneous Aqueous Media. ACS Symposium Series, 2003, , 586-602.	0.5	7
134	Synthetic Polyzwitterions: Water-Soluble Copolymers and Terpolymers. ACS Symposium Series, 2006, , 47-63.	0.5	7
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