

Bert Klumperman

List of Publications by Year in descending order

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155
papers

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50170

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all docs

168
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Healing Materials Based on Disulfide Links. <i>Macromolecules</i> , 2011, 44, 2536-2541.	2.2	789
2	Critically evaluated rate coefficients for free-radical polymerization, 1. Propagation rate coefficient for styrene. <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 3267-3280.	1.1	617
3	Mechanism and kinetics of dithiobenzoate-mediated RAFT polymerization. I. The current situation. <i>Journal of Polymer Science Part A</i> , 2006, 44, 5809-5831.	2.5	429
4	Self-healing systems based on disulfide-thiol exchange reactions. <i>Polymer Chemistry</i> , 2013, 4, 4955.	1.9	383
5	Critically evaluated rate coefficients for free-radical polymerization, 3. Propagation rate coefficients for alkyl methacrylates. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 1355-1364.	1.1	274
6	Controlled radical copolymerization of styrene and maleic anhydride and the synthesis of novel polyolefin-based block copolymers by reversible addition-fragmentation chain-transfer (RAFT) polymerization. <i>Journal of Polymer Science Part A</i> , 2000, 38, 3596-3603.	2.5	240
7	Beyond Inhibition: A 1H NMR Investigation of the Early Kinetics of RAFT-Mediated Polymerization with the Same Initiating and Leaving Groups. <i>Macromolecules</i> , 2004, 37, 2383-2394.	2.2	211
8	Synthesis and characterization of telechelic polymethacrylates via RAFT polymerization. <i>Journal of Polymer Science Part A</i> , 2005, 43, 959-973.	2.5	181
9	Controlling electrical percolation in multicomponent carbon nanotube dispersions. <i>Nature Nanotechnology</i> , 2011, 6, 364-369.	15.6	181
10	Chain Transfer to Polymer and Branching in Controlled Radical Polymerizations of <i>n</i> -Butyl Acrylate. <i>Macromolecular Rapid Communications</i> , 2009, 30, 2002-2021.	2.0	136
11	RAFT mediated polymerisation in heterogeneous media. <i>Soft Matter</i> , 2006, 2, 45-53.	1.2	127
12	Controlled Radical Polymerization in Emulsion. <i>Macromolecules</i> , 1997, 30, 324-326.	2.2	120
13	1H NMR Investigation of Reversible Addition-Fragmentation Chain Transfer Polymerization Kinetics and Mechanisms. Initialization with Different Initiating and Leaving Groups. <i>Macromolecules</i> , 2005, 38, 3151-3161.	2.2	114
14	Effect of Cu(II) on the Kinetics of the Homogeneous Atom Transfer Radical Polymerization of Methyl Methacrylate. <i>Macromolecules</i> , 2001, 34, 6169-6173.	2.2	106
15	Xanthate-Mediated Copolymerization of Vinyl Monomers for Amphiphilic and Double-Hydrophilic Block Copolymers with Poly(ethylene glycol). <i>Macromolecules</i> , 2007, 40, 8861-8871.	2.2	105
16	Mechanistic considerations on styrene-maleic anhydride copolymerization reactions. <i>Polymer Chemistry</i> , 2010, 1, 558.	1.9	104
17	Effect of Solvent on the Activation Rate Parameters for Polystyrene and Poly(butyl acrylate) Macroinitiators in Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2000, 33, 4417-4421.	2.2	97
18	A Mechanistic Perspective on Solvent Effects in Free-Radical Copolymerization. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 1998, 38, 567-593.	2.2	96

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19	In-Situ NMR Spectroscopy for Probing the Efficiency of RAFT/MADIX Agents. <i>Macromolecules</i> , 2006, 39, 7796-7797.	2.2	89
20	Polymer-protein conjugates from α -aldehyde endfunctional poly(N-vinylpyrrolidone) synthesised via xanthate-mediated living radical polymerisation. <i>Chemical Communications</i> , 2008, , 3193.	2.2	89
21	Unexpected reactions associated with the xanthate-mediated polymerization of N-vinylpyrrolidone. <i>Journal of Polymer Science Part A</i> , 2008, 46, 6575-6593.	2.5	87
22	Release of Bacteriocins from Nanofibers Prepared with Combinations of Poly(D,L-lactide) (PDLLA) and Poly(Ethylene Oxide) (PEO). <i>International Journal of Molecular Sciences</i> , 2011, 12, 2158-2173.	1.8	79
23	Controlled Synthesis and Characterization of Model Methyl Methacrylate/tert-Butyl Methacrylate Triblock Copolymers via ATRP. <i>Macromolecules</i> , 2003, 36, 3051-3060.	2.2	78
24	Olefin Copolymerization via Controlled Radical Polymerization: Copolymerization of Methyl Methacrylate and 1-Octene. <i>Macromolecules</i> , 2004, 37, 1226-1233.	2.2	78
25	The incorporation of single-walled carbon nanotubes into polymerized high internal phase emulsions to create conductive foams with a low percolation threshold. <i>Composites Science and Technology</i> , 2009, 69, 656-662.	3.8	77
26	The combination of living radical polymerization and click chemistry for the synthesis of advanced macromolecular architectures. <i>European Polymer Journal</i> , 2011, 47, 1207-1231.	2.6	76
27	Advances in biofouling mitigation: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 535-555.	6.6	76
28	Application of Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry in Pulsed Laser Polymerization. Chain-Length-Dependent Propagation Rate Coefficients at High Molecular Weight: An Artifact Caused by Band Broadening in Size Exclusion Chromatography?. <i>Macromolecules</i> , 2003, 36, 9797-9803.	2.2	75
29	Lowering the percolation threshold of single-walled carbon nanotubes using polystyrene/poly(3,4-ethylenedioxythiophene): poly(styrene sulfonate) blends. <i>Soft Matter</i> , 2009, 5, 878.	1.2	72
30	Olefin Copolymerization via Controlled Radical Polymerization: Copolymerization of Acrylate and 1-Octene. <i>Macromolecules</i> , 2004, 37, 4406-4416.	2.2	71
31	Poly(N-vinylpyrrolidone)-block-poly(vinyl acetate) as a Drug Delivery Vehicle for Hydrophobic Drugs. <i>Biomacromolecules</i> , 2012, 13, 4109-4117.	2.6	71
32	Interpreting the copolymerization of styrene with maleic anhydride and with methyl methacrylate in terms of the bootstrap model. <i>Polymer</i> , 1993, 34, 1032-1037.	1.8	68
33	Characterization of 3- and 4-Arm Stars from Reactions of Poly(butyl acrylate) RAFT and ATRP Precursors. <i>Macromolecules</i> , 2004, 37, 7906-7917.	2.2	68
34	SAN-b-P4VP Block Copolymer Synthesis by Chain Extension from RAFT-Functional Poly(4-vinylpyridine) in Solution and in Emulsion. <i>Macromolecules</i> , 2007, 40, 7132-7139.	2.2	66
35	Novel Brush Copolymers via Controlled Radical Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 2161-2168.	1.1	65
36	Synthesis of styrene based liquid-filled polymeric nanocapsules by the use of RAFT-mediated polymerization in miniemulsion. <i>Polymer</i> , 2005, 46, 3607-3615.	1.8	65

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37	Evidence for Termination of Intermediate Radical Species in RAFT-Mediated Polymerization. <i>Macromolecules</i> , 2003, 36, 9687-9690.	2.2	60
38	Polymeric siRNA gene delivery – transfection efficiency versus cytotoxicity. <i>Journal of Controlled Release</i> , 2019, 316, 263-291.	4.8	58
39	Influence of Poly(styrene- <i>co</i> -maleic acid) Copolymer Structure on the Properties and Self-Assembly of SMALP Nanodiscs. <i>Biomacromolecules</i> , 2018, 19, 761-772.	2.6	57
40	Core/Shell Particles Containing Liquid Cores: Morphology Prediction, Synthesis, and Characterization. <i>Macromolecules</i> , 2003, 36, 8621-8629.	2.2	55
41	RAFT-Mediated Polymerization – A Story of Incompatible Data?. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1846-1862.	2.0	55
42	Conductive Pickering-poly(high internal phase emulsion) composite foams prepared with low loadings of single-walled carbon nanotubes. <i>Chemical Communications</i> , 2009, , 2738.	2.2	53
43	The effect of benzyl alcohol on pulsed laser polymerization of styrene and methylmethacrylate. <i>Journal of Polymer Science Part A</i> , 1997, 35, 515-520.	2.5	52
44	Synthesis of Anthracene End-Capped Poly(methyl methacrylate)s via Atom Transfer Radical Polymerization and Its Kinetic Analyses. <i>Macromolecules</i> , 2002, 35, 2261-2267.	2.2	51
45	Synthesis of Polyolefin Block and Graft Copolymers. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 2000, 40, 167-192.	2.2	50
46	A Mechanistic Interpretation of Initialization Processes in RAFT-Mediated Polymerization. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1233-1240.	2.0	50
47	Antimicrobial fibers: therapeutic possibilities and recent advances. <i>Future Medicinal Chemistry</i> , 2011, 3, 1821-1847.	1.1	48
48	Application of Gemini Surfactants as Diesel Fuel Wax Dispersants. <i>Energy & Fuels</i> , 2011, 25, 162-171.	2.5	47
49	Controlled Synthesis and Characterization of High Molecular Weight Methyl Methacrylate/ <i>tert</i> -Butyl Methacrylate Diblock Copolymers via ATRP. <i>Macromolecules</i> , 2003, 36, 8304-8311.	2.2	44
50	Effect of Solvent on the Copolymerization of Styrene and Acrylonitrile. Application of the Bootstrap Effect to the Penultimate Unit Model. <i>Macromolecules</i> , 1994, 27, 1529-1534.	2.2	43
51	Copolymerization of allyl butyl ether with acrylates via controlled radical polymerization. <i>Journal of Polymer Science Part A</i> , 2004, 42, 3271-3284.	2.5	43
52	The role of surfactant in controlling particle size and stability in the miniemulsion polymerization of polymeric nanocapsules. <i>European Polymer Journal</i> , 2004, 40, 2717-2725.	2.6	43
53	Experimental Determination of the Rate Constant of Deactivation of Poly(styrene) and Poly(butyl) Tj ETQq1 1 0.784314 rgBT/Overlo	2.2	41
54	Probing the Cooperative Nature of the Conductive Components in Polystyrene/Poly(3,4-ethylenedioxythiophene):Poly(styrene sulfonate) – Single-Walled Carbon Nanotube Composites. <i>ACS Nano</i> , 2010, 4, 2242-2248.	7.3	40

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55	Olefin copolymerization via reversible addition-fragmentation chain transfer. <i>Chemical Communications</i> , 2004, , 1554-1555.	2.2	39
56	Intermediate Radical Termination in Reversible Addition-Fragmentation Chain Transfer-Mediated Polymerization: Identification of Termination Products. <i>Macromolecules</i> , 2007, 40, 3914-3920.	2.2	39
57	Reversible Addition-Fragmentation Chain Transfer Synthesis of a Micelle-Forming, Structure Reversible Thermosensitive Diblock Copolymer Based on the <i>N</i> -(2-Hydroxy propyl) Methacrylamide Backbone. <i>ACS Macro Letters</i> , 2013, 2, 403-408.	2.3	39
58	Mass spectrometry of poly(methyl methacrylate) (PMMA) prepared by atom transfer radical polymerization (ATRP). <i>European Polymer Journal</i> , 2004, 40, 159-163.	2.6	38
59	Investigation into the Initialization Behaviour of RAFT-Mediated Styrene-Maleic Anhydride Copolymerizations. <i>Australian Journal of Chemistry</i> , 2006, 59, 742.	0.5	38
60	Effect of the Copper Counterion on the Activation Rate Parameter in Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2001, 34, 7961-7966.	2.2	34
61	The Effect of Reducing Monosaccharides on the Atom Transfer Radical Polymerization of Butyl Methacrylate. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 1645-1648.	1.1	34
62	The past, present and future of hydrogels. <i>European Polymer Journal</i> , 2015, 72, 341-343.	2.6	34
63	Kinetics of Heterogeneous Atom Transfer Radical Polymerization of Methyl Methacrylate. <i>Macromolecules</i> , 2002, 35, 4785-4790.	2.2	33
64	Templated Hierarchical Self-Assembly of Poly(<i>p</i> -aryltriazole) Foldamers. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11040-11044.	7.2	32
65	Monitoring the grafting of epoxidized natural rubber by size-exclusion chromatography coupled to FTIR spectroscopy. <i>Journal of Applied Polymer Science</i> , 2003, 88, 2539-2549.	1.3	31
66	Atom transfer radical polymerization as a powerful tool in the synthesis of molecular brushes. <i>Polymer International</i> , 2014, 63, 824-834.	1.6	31
67	Use of gradient, critical, and two-dimensional chromatography in the analysis of styrene- and methyl methacrylate-grafted epoxidized natural rubber. <i>Journal of Applied Polymer Science</i> , 2003, 88, 2530-2538.	1.3	30
68	Initialization behavior at various target molecular weight RAFT-mediated methyl acrylate polymerizations. <i>Journal of Polymer Science Part A</i> , 2008, 46, 2500-2509.	2.5	30
69	Triazole-Based Leaving Group for RAFT-Mediated Polymerization Synthesized via the Cu-Mediated Huisgen 1,3-Dipolar Cycloaddition Reaction. <i>Macromolecules</i> , 2009, 42, 3014-3018.	2.2	30
70	In Situ NMR and Modeling Studies of Nitroxide Mediated Copolymerization of Styrene and <i>n</i> -Butyl Acrylate. <i>Macromolecules</i> , 2011, 44, 6683-6690.	2.2	30
71	Atom Transfer Radical Copolymerization of Olefins with Methyl Acrylate: Determination of Activation Rate Parameters. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 547-552.	1.1	29
72	Surfactant-free artificial latexes from modified styrene-maleic anhydride (SMA) copolymers. <i>Polymer</i> , 2006, 47, 7621-7627.	1.8	29

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73	Macrophage-Targeted Hydroxychloroquine Nanotherapeutics for Rheumatoid Arthritis Therapy. ACS Applied Materials & Interfaces, 2022, 14, 8824-8837.	4.0	28
74	Estimation of activation parameters for the propagation rate constant of styrene. , 1996, 34, 2473-2479.		27
75	Steric Stabilization of Pickering Emulsions for the Efficient Synthesis of Polymeric Microcapsules. Langmuir, 2010, 26, 14929-14936.	1.6	27
76	Iterative RAFT-Mediated Copolymerization of Styrene and Maleic Anhydride toward Sequence- and Length-Controlled Copolymers and Their Applications for Solubilizing Lipid Membranes. Biomacromolecules, 2020, 21, 3287-3300.	2.6	27
77	End-group modification of poly(butyl acrylate) prepared by atom transfer radical polymerization: Mechanistic study using gradient polymer elution chromatography. Journal of Polymer Science Part A, 2002, 40, 2350-2359.	2.5	26
78	Poly(methyl methacrylate)-silica microcapsules synthesized by templating Pickering emulsion droplets. Journal of Materials Chemistry B, 2013, 1, 2394.	2.9	26
79	Use of a Profluorophore for Visualization of the Rupture of Capsules in Self-Healing Coatings. Macromolecular Rapid Communications, 2010, 31, 625-628.	2.0	23
80	Compartmentalization of bacteria in microcapsules. Chemical Communications, 2014, 50, 15427-15430.	2.2	23
81	Improving the Kinetic Hydrate Inhibition Performance of 3-Methylene-2-pyrrolidone Polymers by N-Alkylation, Ring Expansion, and Copolymerization. Energy & Fuels, 2018, 32, 12337-12344.	2.5	23
82	Systemic administration of polymersomal oncolytic peptide LTX-315 combining with CpG adjuvant and anti-PD-1 antibody boosts immunotherapy of melanoma. Journal of Controlled Release, 2021, 336, 262-273.	4.8	23
83	Dependence of chemical composition of styrene/butyl acrylate copolymers on temperature and molecular weight. Polymer, 1999, 40, 4459-4463.	1.8	22
84	Synthesis of liquid-filled nanocapsules via the miniemulsion technique. Journal of Polymer Science Part A, 2010, 48, 5215-5230.	2.5	21
85	Pickering Emulsions: Wetting and Colloidal Stability of Hairy Particles—A Self-Consistent Field Theory. Langmuir, 2011, 27, 6574-6583.	1.6	21
86	Permanently antimicrobial waterborne coatings based on the dual role of modified poly(styrene-co-maleic anhydride). European Polymer Journal, 2013, 49, 1080-1088.	2.6	21
87	Discussion on "Aperiodic Copolymers". ACS Macro Letters, 2016, 5, 1-3.	2.3	21
88	Chemical Identity of Poly(<i>N</i> -vinylpyrrolidone) End Groups Impact Shape Evolution During the Synthesis of Ag Nanostructures. Journal of the American Chemical Society, 2021, 143, 184-195.	6.6	21
89	Influence of DIBMA Polymer Length on Lipid Nanodisc Formation and Membrane Protein Extraction. Biomacromolecules, 2021, 22, 763-772.	2.6	20
90	Structure of colloidosomes with tunable particle density: Simulation versus experiment. Physical Review E, 2012, 85, 061404.	0.8	19

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91	Synthesis, Characterization, and Self-Assembly of Poly(N-vinylpyrrolidone)-block-poly(vinyl acetate). Australian Journal of Chemistry, 2012, 65, 1124.	0.5	18
92	Synthesis, Structure, and Crystallization Behavior of Amphiphilic Heteroarm Molecular Brushes with Crystallizable Poly(ethylene oxide) and n-Alkyl Side Chains. Macromolecules, 2020, 53, 1585-1595.	2.2	18
93	Atom Transfer Radical Copolymerization of Styrene and Butyl Acrylate. ACS Symposium Series, 2000, , 197-210.	0.5	17
94	Triblock copolymer synthesis via controlled radical polymerization in solution using S-tert-alkyl-N,N-alkoxycarbonylalkyl dithiocarbamate RAFT agents. Journal of Polymer Science Part A, 2006, 44, 6419-6434.	2.5	17
95	Self-healing polymers. Polymer Chemistry, 2013, 4, 4832.	1.9	17
96	Synthesis of β -heterotelechelic PVP for bioconjugation, via a one-pot orthogonal end-group modification procedure. Polymer Chemistry, 2016, 7, 6450-6456.	1.9	17
97	Furanone-containing poly(vinyl alcohol) nanofibers for cell-adhesion inhibition. Water Research, 2013, 47, 1049-1059.	5.3	16
98	Advancing membrane biology with poly(styrene-co-maleic acid)-based native nanodiscs. European Polymer Journal, 2019, 110, 63-68.	2.6	16
99	Peculiarities in Atom Transfer Radical Copolymerization. ACS Symposium Series, 2003, , 180-192.	0.5	15
100	Facile immobilization of enzymes on electrospun poly(styrene-alt-maleic anhydride) nanofibres. Polymer Chemistry, 2011, 2, 1479.	1.9	15
101	Reversible Nitroxide Trapping of the Mid-Chain Radical in <i>n</i> -Butyl Acrylate Polymerization. Macromolecules, 2011, 44, 5554-5557.	2.2	15
102	Electrospun Poly(vinyl alcohol) Nanofibres with Biocidal Additives for Application in Filter Media, α Properties Affecting Fibre Morphology and Characterisation. Macromolecular Materials and Engineering, 2012, 297, 609-617.	1.7	15
103	Synthesis of Poly(ethylene-co-butylene)-block-Poly(methyl methacrylate) by Atom Transfer Radical Polymerization: Determination of the Macroinitiator Conversion. Macromolecular Chemistry and Physics, 2001, 202, 1595-1601.	1.1	14
104	In Situ ^1H NMR Studies of High-Temperature Nitroxide-Mediated Polymerization of <i>n</i> -Butyl Acrylate. Macromolecules, 2011, 44, 7100-7108.	2.2	14
105	Improved control through a semi-batch process in RAFT-mediated polymerization utilizing relatively poor leaving groups. Polymer Chemistry, 2015, 6, 7945-7948.	1.9	14
106	The efficient recovery of Au(III) ions from acidic solutions by a novel scavenger based on functionalized poly(styrene-co-maleimide) nanoparticles. Chemical Engineering Journal, 2021, 414, 128761.	6.6	14
107	Styrene/Maleic Anhydride Macro-RAFT-Mediated Encapsulation. Macromolecular Chemistry and Physics, 2006, 207, 861-863.	1.1	13
108	Smart block copolymers of PVP and an alkylated PVP derivative: synthesis, characterization, thermoresponsive behaviour and self-assembly. Polymer Chemistry, 2016, 7, 1138-1146.	1.9	13

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109	First Study of Poly(3-methylene-2-pyrrolidone) as a Kinetic Hydrate Inhibitor. <i>Energy & Fuels</i> , 2017, 31, 13572-13577.	2.5	13
110	Solvent effects on the copolymerization of styrene with maleic anhydride: determination of apparent reactivity ratios from the penultimate unit model. <i>European Polymer Journal</i> , 1994, 30, 955-960.	2.6	12
111	15N NMR Spectroscopy of Labeled Alkoxyamines. 15N-Labeled Model Compounds for Nitroxide-Trapping Studies in Free-Radical (Co)polymerization. <i>Journal of Organic Chemistry</i> , 2003, 68, 7322-7328.	1.7	11
112	NMR Spectroscopy in the Optimization and Evaluation of RAFT Agents. <i>Macromolecular Symposia</i> , 2007, 248, 141-149.	0.4	11
113	Modified electrospun polymer nanofibers as affinity membranes: The effect of pre-spinning modification versus post-spinning modification. <i>European Polymer Journal</i> , 2013, 49, 3814-3824.	2.6	11
114	Formation of hybrid poly(styrene-co-maleic anhydride)-silica microcapsules. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4826-4835.	2.9	11
115	Synthesis, Characterization, and Evaluation of Cytotoxicity of Poly(3-methylene-2-pyrrolidone). <i>Biomacromolecules</i> , 2016, 17, 1795-1800.	2.6	11
116	Degradation of Proteins and Starch by Combined Immobilization of Protease, α -Amylase and β -Galactosidase on a Single Electrospun Nanofibrous Membrane. <i>Molecules</i> , 2019, 24, 508.	1.7	11
117	Immobilized Furanone Derivatives as Inhibitors for Adhesion of Bacteria on Modified Poly(styrene-co-maleic anhydride). <i>Biomacromolecules</i> , 2012, 13, 3138-3150.	2.6	10
118	Poly(N-vinylpyrrolidone-b-(β -benzyl-L-glutamate)) synthesis and self-assembly into pH-sensitive micelles. <i>Polymer Chemistry</i> , 2012, 3, 2551.	1.9	10
119	Differences in SMA-like polymer architecture dictate the conformational changes exhibited by the membrane protein rhodopsin encapsulated in lipid nano-particles. <i>Nanoscale</i> , 2021, 13, 13519-13528.	2.8	10
120	Synthesis and Self-assembly of Amphiphilic Hetero-arm Molecular Brushes. <i>Australian Journal of Chemistry</i> , 2011, 64, 1100.	0.5	9
121	A qualitative study to the influence of molar mass on retention in gradient polymer elution chromatography (GPEC). <i>Macromolecular Symposia</i> , 1996, 110, 1-13.	0.4	8
122	Novel Glycopolymer Brushes via ATRP: 1. Synthesis and Characterization. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 2191-2208.	1.1	8
123	Synthesis of novel glycopolymer brushes via a combination of RAFT-mediated polymerisation and ATRP. <i>South African Journal of Science</i> , 2011, 107, .	0.3	8
124	Synthesis and evaluation of comb-type copolymers prepared via atom transfer radical polymerization as possible cold flow improvers in GTL diesel fuels. <i>Journal of Applied Polymer Science</i> , 2012, 124, 2766-2776.	1.3	8
125	Facile Route to Targeted, Biodegradable Polymeric Prodrugs for the Delivery of Combination Therapy for Malaria. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6217-6227.	2.6	8
126	Copolymerization of Styrene and Methyl Methacrylate in Ternary Oil-in-Water Microemulsions: Comments on a Paper by Gan et al.. <i>Macromolecules</i> , 1996, 29, 6679-6680.	2.2	7

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127	Determination of the Free Radical Concentration Ratio in the Copolymerization of Methyl Acrylate and Styrene. Application of Radical Trapping and ¹⁵ N NMR Spectroscopy. <i>Macromolecules</i> , 2004, 37, 9338-9344.	2.2	7
128	Chain-end modification of living anionic polybutadiene with diphenylethylenes and styrenes. <i>Journal of Polymer Science Part A</i> , 2005, 43, 2536-2545.	2.5	7
129	Deformation of the Water/Oil Interface during the Adsorption of Sterically Stabilized Particles. <i>Langmuir</i> , 2014, 30, 7327-7333.	1.6	7
130	Electrospun Poly(vinyl alcohol) Nanofibres with Biocidal Additives for Application in Filter Media, Antimicrobial Activity, Regeneration, Leaching and Water Stability. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 618-626.	1.7	6
131	Determination of the shell growth direction during the formation of silica microcapsules by confocal fluorescence microscopy. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7745-7751.	2.9	6
132	Adhesion on the Nano- and Macroscale: Interaction between Copper and SAN/SMAh Copolymers. <i>ChemPhysChem</i> , 2006, 7, 1912-1916.	1.0	5
133	Reversible Addition Fragmentation Chain Transfer (RAFT) Mediated Polymerization of N-Vinylpyrrolidone: RAFT agent design. <i>ACS Symposium Series</i> , 2009, , 167-179.	0.5	5
134	Reconstruction of the 3D structure of colloidosomes from a single SEM image. <i>Soft Matter</i> , 2011, 7, 2033.	1.2	5
135	Poly(<i>N</i> -vinylpyrrolidone) Antimalaria Conjugates of Membrane-Disruptive Peptides. <i>Biomacromolecules</i> , 2020, 21, 5053-5066.	2.6	5
136	Evaluation of Composition Effects on the Physicochemical and Biological Properties of Polypeptide-Based Hydrogels for Potential Application in Wound Healing. <i>Polymers</i> , 2021, 13, 1828.	2.0	5
137	Novel Glycopolymers via ATRP: 2. Thermal and Mechanical Properties. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 2209-2216.	1.1	4
138	pH-dependent adhesion of mycobacteria to surface-modified polymer nanofibers. <i>Journal of Materials Chemistry B</i> , 2013, 1, 6608.	2.9	4
139	The Rationale Behind Sequence-Controlled Maleimide Copolymers. <i>ACS Symposium Series</i> , 2014, , 213-221.	0.5	4
140	Thermoresponsive behavior of poly(3-methylene-2-pyrrolidone) derivatives. <i>European Polymer Journal</i> , 2019, 112, 714-721.	2.6	4
141	Simulation studies of the discrete semi-batch RAFT-mediated polymerization of styrene using a RAFT agent with relatively poor leaving group. <i>European Polymer Journal</i> , 2017, 95, 596-605.	2.6	4
142	Local monomer concentrations in emulsion polymerization. <i>Macromolecular Symposia</i> , 1996, 111, 107-120.	0.4	3
143	The solution copolymerization of styrene and maleic anhydride in a continuous stirred tank reactor and its theoretical modelling. <i>Polymer</i> , 2020, 202, 122730.	1.8	3
144	Investigation of the 3D Printability of Covalently Cross-Linked Polypeptide-Based Hydrogels. <i>ACS Omega</i> , 2022, 7, 7556-7571.	1.6	3

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145	Novel coreâ€šsheath antimicrobial nanofibrous mats. Journal of Applied Polymer Science, 2018, 135, 46303.	1.3	2
146	Synthesis and Cell Interaction of Statistical l-Arginineâ€“Glycineâ€“l-Aspartic Acid Terpolypeptides. Biomacromolecules, 2018, 19, 3058-3066.	2.6	2
147	The contributions of <scp>Prof. Kenneth F. O'Driscoll</scp> to radical copolymerization kinetics. Canadian Journal of Chemical Engineering, 2022, 100, 680-688.	0.9	2
148	Critically evaluated rate coefficients for free-radical polymerization, 3. Propagation rate coefficients for alkyl methacrylates. , 2000, 201, 1355.		2
149	Linear Dichroism Activity of Chiral Poly(p-Aryltriazole) Foldamers. ACS Omega, 2021, 6, 33231-33237.	1.6	2
150	Nitroxide-Mediated Controlled Radical Polymerization: Toward Control of Molar Mass. ACS Symposium Series, 1998, , 236-255.	0.5	1
151	Terminal Monomer Units in Dormant and Active Copolymer Chains. ACS Symposium Series, 2012, , 47-58.	0.5	1
152	Synthesis and characterization of liquid molecular brush binder for coating applications. European Polymer Journal, 2018, 102, 178-186.	2.6	1
153	Critically evaluated rate coefficients for free-radical polymerization, 3. Propagation rate coefficients for alkyl methacrylates. , 2000, 201, 1355.		1
154	Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al.. Journal of Polymer Science Part A, 2000, 38, 1734-1735.	2.5	0
155	NMR Spectroscopy in the Optimization and Evaluation of RAFT Agents. , 0, , 141-149.		0