

Tanja Junkers

List of Publications by Year in descending order

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216
papers

8,528
citations

41258

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222
all docs

222
docs citations

222
times ranked

4926
citing authors

#	ARTICLE	IF	CITATIONS
1	“Clicking” Polymers or Just Efficient Linking: What Is the Difference?. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 60-62.	7.2	583
2	Photomediated controlled radical polymerization. <i>Progress in Polymer Science</i> , 2016, 62, 73-125.	11.8	537
3	Limitations of radical thiol-ene reactions for polymer-polymer conjugation. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1699-1713.	2.5	235
4	The role of mid-chain radicals in acrylate free radical polymerization: Branching and scission. <i>Journal of Polymer Science Part A</i> , 2008, 46, 7585-7605.	2.5	201
5	Photo-induced copper-mediated polymerization of methyl acrylate in continuous flow reactors. <i>Polymer Chemistry</i> , 2014, 5, 3053-3060.	1.9	152
6	PLP-ESR Monitoring of Midchain Radicals in n-Butyl Acrylate Polymerization. <i>Macromolecules</i> , 2005, 38, 5098-5103.	2.2	147
7	Tailoring Polymer Dispersity by RAFT Polymerization: A Versatile Approach. <i>CheM</i> , 2020, 6, 1340-1352.	5.8	125
8	Sequence-definition from controlled polymerization: the next generation of materials. <i>Polymer Chemistry</i> , 2018, 9, 4692-4705.	1.9	124
9	Critically evaluated rate coefficients in radical polymerization - 7. Secondary-radical propagation rate coefficients for methyl acrylate in the bulk. <i>Polymer Chemistry</i> , 2014, 5, 204-212.	1.9	118
10	Precise Polymer Synthesis by Autonomous Self-Optimizing Flow Reactors. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3183-3187.	7.2	111
11	Synthesis of sequence controlled acrylate oligomers via consecutive RAFT monomer additions. <i>Chemical Communications</i> , 2013, 49, 10358-10360.	2.2	108
12	Visible Light-Mediated Polymerization-Induced Self-Assembly Using Continuous Flow Reactors. <i>Macromolecules</i> , 2018, 51, 5165-5172.	2.2	105
13	Photoinduced Sequence-Controlled Copper-Mediated Polymerization: Synthesis of Decablock Copolymers. <i>ACS Macro Letters</i> , 2014, 3, 732-737.	2.3	102
14	Chain Length Dependent Termination in Butyl Acrylate Free-Radical Polymerization Studied via Stationary and Pulsed Laser Initiated RAFT Polymerization. <i>Macromolecules</i> , 2005, 38, 9497-9508.	2.2	93
15	Continuous photoflow synthesis of precision polymers. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 60-64.	1.9	92
16	Synthesis of sequence-defined acrylate oligomers via photo-induced copper-mediated radical monomer insertions. <i>Chemical Science</i> , 2015, 6, 5753-5761.	3.7	90
17	Free-Radical Termination Kinetics Studied Using a Novel SP-PLP-ESR Technique. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1004-1009.	2.0	88
18	Polymer Synthesis in Continuous Flow Reactors. <i>Progress in Polymer Science</i> , 2020, 107, 101256.	11.8	87

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19	Pushing the Limit: Pulsed Laser Polymerization of n-Butyl Acrylate at 500 Hz. <i>Macromolecules</i> , 2008, 41, 8971-8973.	2.2	85
20	Synthesis of poly(<i>p</i> -phenylene vinylene) materials via the precursor routes. <i>Polymer Chemistry</i> , 2012, 3, 275-285.	1.9	78
21	Precision synthesis of acrylate multiblock copolymers from consecutive microreactor RAFT polymerizations. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2366-2374.	2.5	78
22	Visible light-induced iniferter polymerization of methacrylates enhanced by continuous flow. <i>Polymer Chemistry</i> , 2017, 8, 6496-6505.	1.9	77
23	Watching polymers grow: real time monitoring of polymerizations via an on-line ESI-MS/microreactor coupling. <i>Chemical Communications</i> , 2015, 51, 4611-4614.	2.2	76
24	Mapping Poly(butyl acrylate) Product Distributions by Mass Spectrometry in a Wide Temperature Range: A Suppression of Midchain Radical Side Reactions. <i>Macromolecules</i> , 2007, 40, 8906-8912.	2.2	74
25	Muconic acid isomers as platform chemicals and monomers in the biobased economy. <i>Green Chemistry</i> , 2020, 22, 1517-1541.	4.6	73
26	Improved Livingness and Control over Branching in RAFT Polymerization of Acrylates: Could Microflow Synthesis Make the Difference?. <i>Macromolecular Rapid Communications</i> , 2015, 36, 2149-2155.	2.0	67
27	Interpolymer radical coupling: A toolbox complementary to controlled radical polymerization. <i>Progress in Polymer Science</i> , 2012, 37, 1004-1030.	11.8	66
28	Laser Single Pulse Initiated RAFT Polymerization for Assessing Chain-Length Dependent Radical Termination Kinetics. <i>Macromolecular Rapid Communications</i> , 2005, 26, 796-802.	2.0	65
29	Efficient multiblock star polymer synthesis from photo-induced copper-mediated polymerization with up to 21 arms. <i>Polymer Chemistry</i> , 2016, 7, 2720-2727.	1.9	63
30	Precision Polymer Design in Microstructured Flow Reactors: Improved Control and First Upscale at Once. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600421.	1.1	63
31	Efficiency assessment of single unit monomer insertion reactions for monomer sequence control: kinetic simulations and experimental observations. <i>Polymer Chemistry</i> , 2015, 6, 5752-5765.	1.9	61
32	Online Monitoring of Polymerizations: Current Status. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6474-6482.	1.2	61
33	Mapping Photolysis Product Radical Reactivities via Soft Ionization Mass Spectrometry in Acrylate, Methacrylate, and Itaconate Systems. <i>Macromolecules</i> , 2007, 40, 6820-6833.	2.2	60
34	Mark-Houwink Parameters for the Universal Calibration of Acrylate, Methacrylate and Vinyl Acetate Polymers Determined by Online Size-Exclusion Chromatography-Mass Spectrometry. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 520-528.	1.1	60
35	Quantitative Product Spectrum Analysis of Poly(butyl acrylate) via Electrospray Ionization Mass Spectrometry. <i>Macromolecules</i> , 2009, 42, 62-69.	2.2	59
36	Thermal detection of histamine with a graphene oxide based molecularly imprinted polymer platform prepared by reversible addition-fragmentation chain transfer polymerization. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 527-535.	4.0	59

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37	Rapid Oxygen Tolerant Aqueous RAFT Photopolymerization in Continuous Flow Reactors. <i>Macromolecules</i> , 2019, 52, 1609-1619.	2.2	59
38	Improved photo-induced cobalt-mediated radical polymerization in continuous flow photoreactors. <i>Polymer Chemistry</i> , 2015, 6, 3847-3857.	1.9	58
39	Concurrent control over sequence and dispersity in multiblock copolymers. <i>Nature Chemistry</i> , 2022, 14, 304-312.	6.6	58
40	PLP Labeling in ESR Spectroscopic Analysis of Secondary and Tertiary Acrylate Propagating Radicals. <i>Macromolecules</i> , 2008, 41, 288-291.	2.2	56
41	Automated Polymer Synthesis Platform for Integrated Conversion Targeting Based on Inline Benchtop NMR. <i>ACS Macro Letters</i> , 2019, 8, 1437-1441.	2.3	55
42	Nitrones in synthetic polymer chemistry. <i>Polymer Chemistry</i> , 2011, 2, 1008-1017.	1.9	54
43	Continuous Microflow PhotoRAFT Polymerization. <i>Macromolecules</i> , 2016, 49, 6888-6895.	2.2	54
44	Termination Kinetics of Dibutyl Itaconate Free-Radical Polymerization Studied via the SP-PLP-ESR Technique. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 333-341.	1.1	53
45	A Study into the Stability of 3,6-Dihydro-2 <i>H</i> -thiopyran Rings: Key Linkages in the RAFT Hetero-Diels-Alder Click Concept. <i>Macromolecules</i> , 2008, 41, 7904-7912.	2.2	53
46	Ultrafast PhotoRAFT Block Copolymerization of Isoprene and Styrene Facilitated through Continuous-Flow Operation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14260-14264.	7.2	53
47	Propagation rate coefficients of isobornyl acrylate, <i>tert</i> -butyl acrylate and ϵ -ethoxyethyl acrylate: A high frequency PLP-SEC study. <i>Journal of Polymer Science Part A</i> , 2009, 47, 6641-6654.	2.5	51
48	Alcohol-based PISA in batch and flow: exploring the role of photoinitiators. <i>Polymer Chemistry</i> , 2019, 10, 2406-2414.	1.9	51
49	Self-directed formation of uniform unsaturated macromolecules from acrylate monomers at high temperatures. <i>Journal of Polymer Science Part A</i> , 2008, 46, 3433-3437.	2.5	50
50	Surface Grafting via Photo-Induced Copper-Mediated Radical Polymerization at Extremely Low Catalyst Concentrations. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1681-1686.	2.0	50
51	Determination of Addition and Fragmentation Rate Coefficients in RAFT Polymerization via Time-Resolved ESR Spectroscopy after Laser Pulse Initiation. <i>Macromolecular Rapid Communications</i> , 2006, 27, 182-187.	2.0	49
52	Enhanced spin capturing polymerization: An efficient and versatile protocol for controlling molecular weight distributions. <i>Journal of Polymer Science Part A</i> , 2008, 46, 7273-7279.	2.5	49
53	Determination of Propagation Rate Coefficients for Methyl and 2-Ethylhexyl Acrylate via High Frequency PLP-SEC under Consideration of the Impact of Chain Branching. <i>Macromolecules</i> , 2010, 43, 10427-10434.	2.2	49
54	RAFT multiblock reactor telescoping: from monomers to tetrablock copolymers in a continuous multistage reactor cascade. <i>Polymer Chemistry</i> , 2017, 8, 3815-3824.	1.9	48

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55	Free-Radical Polymerization Kinetics of 2-Acrylamido-2-methylpropanesulfonic Acid in Aqueous Solution. <i>Macromolecules</i> , 2006, 39, 509-516.	2.2	47
56	Termination Kinetics of tert-Butyl Methacrylate and n-Butyl Methacrylate Free-Radical Bulk Homopolymerizations. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 1640-1650.	1.1	47
57	Synthesis of (Bio)â€œDegradable Poly(â€œthioester)s via Amine Catalyzed Thiolâ€œEne Click Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 2611-2617.	1.1	47
58	PPV-Based Conjugated Polymer Nanoparticles as a Versatile Bioimaging Probe: A Closer Look at the Inherent Optical Properties and Nanoparticleâ€œCell Interactions. <i>Biomacromolecules</i> , 2016, 17, 2562-2571.	2.6	47
59	Spin Capturing with â€œClickableâ€œ-Nitrones: Generation of Miktoarmed Star Polymers. <i>Macromolecules</i> , 2010, 43, 3785-3793.	2.2	46
60	Continuous poly(2-oxazoline) triblock copolymer synthesis in a microfluidic reactor cascade. <i>Chemical Communications</i> , 2015, 51, 11701-11704.	2.2	46
61	Synthesis of a Macromonomer Library from Highâ€œTemperature Acrylate Polymerization. <i>Macromolecular Rapid Communications</i> , 2009, 30, 2028-2035.	2.0	45
62	Kinetic Monte Carlo Generation of Complete Electron Spray Ionization Mass Spectra for Acrylate Macromonomer Synthesis. <i>Macromolecules</i> , 2017, 50, 2625-2636.	2.2	45
63	Comprehensive control over molecular weight distributions through automated polymerizations. <i>Polymer Chemistry</i> , 2019, 10, 6315-6323.	1.9	45
64	Ligand switch in photoinduced copper-mediated polymerization: synthesis of methacrylateâ€œacrylate block copolymers. <i>Polymer Chemistry</i> , 2015, 6, 6488-6497.	1.9	44
65	Spin capturing with nitrones: radical coupling reactions with concurrent introduction of mid-chain functionality. <i>Chemical Communications</i> , 2010, 46, 1959-1961.	2.2	41
66	A predictive framework for mixing low dispersity polymer samples to design custom molecular weight distributions. <i>Polymer Chemistry</i> , 2019, 10, 5721-5725.	1.9	41
67	Reducing the Degree of Branching in Polyacrylates via Midchain Radical Patching: A Quantitative Melt-State NMR Study. <i>Macromolecules</i> , 2010, 43, 5492-5495.	2.2	40
68	Synthesis of star and H-shape polymers via a combination of cobalt-mediated radical polymerization and nitrone-mediated radical coupling reactions. <i>Polymer Chemistry</i> , 2012, 3, 135-147.	1.9	40
69	[2+2] Photo-cycloadditions for polymer modification and surface decoration. <i>European Polymer Journal</i> , 2015, 62, 273-280.	2.6	40
70	Versatile Approach for the Synthesis of Sequence-Defined Monodisperse 18- and 20-mer Oligoacrylates. <i>ACS Macro Letters</i> , 2017, 6, 743-747.	2.3	40
71	Interfacial thiolâ€œisocyanate reactions for functional nanocarriers: a facile route towards tunable morphologies and hydrophilic payload encapsulation. <i>Chemical Communications</i> , 2015, 51, 15858-15861.	2.2	39
72	Organocatalyzed Photoâ€œAtom Transfer Radical Polymerization of Methacrylic Acid in Continuous Flow and Surface Grafting. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700423.	2.0	39

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73	Optimum Reaction Conditions for the Synthesis of Macromonomers Via the High-Temperature Polymerization of Acrylates. <i>Macromolecular Theory and Simulations</i> , 2009, 18, 421-433.	0.6	38
74	Quantifying the Efficiency of Photoinitiation Processes in Methyl Methacrylate Free Radical Polymerization via Electrospray Ionization Mass Spectrometry. <i>Macromolecules</i> , 2009, 42, 1488-1493.	2.2	38
75	Use of a continuous-flow microreactor for thiol-ene functionalization of RAFT-derived poly(butyl) Tj ETQq1 1 0.784314 rgBT /Overload	1.9	38
76	The block copolymer shuffle in size exclusion chromatography: the intrinsic problem with using elugrams to determine chain extension success. <i>Polymer Chemistry</i> , 2021, 12, 2522-2531.	1.9	37
77	Thioetone-Mediated Polymerization of Butyl Acrylate: Controlling Free-Radical Polymerization via a Dormant Radical Species. <i>Macromolecular Rapid Communications</i> , 2007, 28, 746-753.	2.0	36
78	The kinetics of enhanced spin capturing polymerization: Influence of the nitron structure. <i>Journal of Polymer Science Part A</i> , 2009, 47, 1098-1107.	2.5	35
79	Formation Efficiency of ABA Blockcopolymers via Enhanced Spin Capturing Polymerization (ESCP): Locating the Alkoxyamine Function. <i>Macromolecules</i> , 2009, 42, 5027-5035.	2.2	35
80	Scalable Aqueous Reversible Addition-Fragmentation Chain Transfer Photopolymerization-Induced Self-Assembly of Acrylamides for Direct Synthesis of Polymer Nanoparticles for Potential Drug Delivery Applications. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1251-1256.	2.0	35
81	Learning from Peptides to Access Functional Precision Polymer Sequences. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10747-10751.	7.2	35
82	Fast and Efficient [2 + 2] UV Cycloaddition for Polymer Modification via Flow Synthesis. <i>Macromolecules</i> , 2014, 47, 5578-5585.	2.2	34
83	Controlled/living polymerization towards functional poly(<i>p</i> -phenylene vinylene) materials. <i>Polymer Chemistry</i> , 2016, 7, 1355-1367.	1.9	34
84	The Kinetics of <i>n</i> -Butyl Acrylate Radical Polymerization Revealed in a Single Experiment by Real Time On-line Mass Spectrometry Monitoring. <i>Macromolecular Reaction Engineering</i> , 2017, 11, 1700016.	0.9	34
85	Alpha and Omega: Importance of the Nonliving Chain End in RAFT Multiblock Copolymerization. <i>Macromolecules</i> , 2014, 47, 5051-5059.	2.2	33
86	Anionic flow polymerizations toward functional polyphosphoesters in microreactors: Polymerization and UV-modification. <i>European Polymer Journal</i> , 2016, 80, 208-218.	2.6	33
87	Precise macromolecular engineering via continuous-flow synthesis techniques. <i>Journal of Flow Chemistry</i> , 2017, 7, 106-110.	1.2	33
88	Embedding multiple site-specific functionalities into polymer chains via nitron-mediated radical coupling reactions. <i>Journal of Polymer Science Part A</i> , 2011, 49, 2118-2126.	2.5	32
89	Polymer end group modifications and polymer conjugations via click-chemistry employing microreactor technology. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1263-1274.	2.5	32
90	Facile design of degradable poly(̢-thioester)s with tunable structure and functionality. <i>Journal of Polymer Science Part A</i> , 2014, 52, 178-187.	2.5	32

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91	Micro-patterned molecularly imprinted polymer structures on functionalized diamond-coated substrates for testosterone detection. <i>Biosensors and Bioelectronics</i> , 2018, 118, 58-65.	5.3	32
92	Room temperature synthesis of block copolymer nano-objects with different morphologies via ultrasound initiated RAFT polymerization-induced self-assembly (sono-RAFT-PISA). <i>Polymer Chemistry</i> , 2020, 11, 3564-3572.	1.9	32
93	Macromonomers from AGET Activation of Poly(<i>n</i> -butyl acrylate) Precursors: Radical Transfer Pathways and Midchain Radical Migration. <i>Macromolecules</i> , 2012, 45, 6850-6856.	2.2	31
94	Synthesis of Macromonomers from High-Temperature Activation of Nitroxide Mediated Polymerization (NMP)-made Polyacrylates. <i>Macromolecules</i> , 2013, 46, 3324-3331.	2.2	30
95	High-throughput polymer screening in microreactors: boosting the Passerini three component reaction. <i>Polymer Chemistry</i> , 2017, 8, 2972-2978.	1.9	30
96	Efficient [2+2] photocycloadditions under equimolar conditions by employing a continuous UV-flow reactor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 259, 41-46.	2.0	29
97	Determining Free Radical Propagation Rate Coefficients with High-Frequency Lasers: Current Status and Future Perspectives. <i>Macromolecular Rapid Communications</i> , 2016, 37, 123-134.	2.0	29
98	Chain-Length-Dependent Termination in Acrylate Radical Polymerization Studied via Pulsed-Laser-Initiated RAFT Polymerization. <i>Australian Journal of Chemistry</i> , 2007, 60, 779.	0.5	28
99	Profluorescent PPV-Based Micellar System as a Versatile Probe for Bioimaging and Drug Delivery. <i>Biomacromolecules</i> , 2016, 17, 4086-4094.	2.6	28
100	Nitrone-mediated radical coupling reactions: a new synthetic tool exemplified on dendrimer synthesis. <i>Chemical Communications</i> , 2011, 47, 5491-5493.	2.2	27
101	Particle Size Control in Miniemulsion Polymerization via Membrane Emulsification. <i>Macromolecules</i> , 2019, 52, 4492-4499.	2.2	27
102	Laser-Grafted Molecularly Imprinted Polymers for the Detection of Histamine from Organocatalyzed Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2019, 52, 2304-2313.	2.2	27
103	Quantitative Comparison of the Mesitoyl vs the Benzoyl Fragment in Photoinitiation: A Question of Origin. <i>Macromolecules</i> , 2011, 44, 2542-2551.	2.2	26
104	Solvent Effects on Acrylate <i>k_p</i> in Organic Media? A Systematic PLP-SEC Study. <i>Macromolecular Rapid Communications</i> , 2014, 35, 2029-2037.	2.0	26
105	Studying the mechanism of thioketone-mediated polymerization via electrospray ionization mass spectrometry. <i>Journal of Polymer Science Part A</i> , 2009, 47, 1864-1876.	2.5	25
106	Photoinduced Conjugation of Aldehyde Functional Polymers with Olefins via [2 + 2]-Cycloaddition. <i>Macromolecules</i> , 2011, 44, 7969-7976.	2.2	25
107	Online tracing of molecular weight evolution during radical polymerization via high-resolution FlowNMR spectroscopy. <i>Polymer Chemistry</i> , 2020, 11, 3546-3550.	1.9	25
108	Critically Evaluated Rate Coefficients in Radical Polymerization 8. Propagation Rate Coefficients for Vinyl Acetate in Bulk. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600357.	1.1	24

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109	Discovery of an Anionic Polymerization Mechanism for High Molecular Weight PPV Derivatives via the Sulfinyl Precursor Route. <i>Macromolecules</i> , 2011, 44, 7610-7616.	2.2	23
110	Formation of triblock copolymers via a tandem enhanced spin capturing nitroxide-mediated polymerization reaction sequence. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4841-4850.	2.5	23
111	Investigation of the End Group Fidelity at High Conversion during Nitroxide-Mediated Acrylate Polymerizations. <i>Macromolecules</i> , 2012, 45, 5371-5378.	2.2	23
112	Quantifying Photoinitiation Efficiencies in a Multiphotoinitiated Free Radical Polymerization. <i>Macromolecular Rapid Communications</i> , 2012, 33, 47-53.	2.0	23
113	Synthesis of degradable poly(methyl methacrylate) star polymers via RAFT copolymerization with cyclic ketene acetals. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1633-1641.	2.5	23
114	Improved Molecular Imprinting Based on Colloidal Particles Made from Miniemulsion: A Case Study on Testosterone and Its Structural Analogues. <i>Macromolecules</i> , 2016, 49, 2559-2567.	2.2	23
115	Scalable Synthesis of Sequence-Defined Oligomers via Photoflow Chemistry. <i>ChemPhotoChem</i> , 2019, 3, 225-228.	1.5	23
116	Detailed investigation of the propagation rate of urethane acrylates. <i>Polymer Chemistry</i> , 2010, 1, 470-479.	1.9	22
117	Determination of the propagation rate coefficient of acrylonitrile. <i>Polymer Chemistry</i> , 2010, 1, 438-441.	1.9	22
118	A qualitative and quantitative post-mortem analysis: Studying free radical initiation processes via soft ionization mass spectrometry. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2739-2757.	2.5	22
119	Cross-linked degradable poly(β -thioester) networks via amine-catalyzed thiol-ene click polymerization. <i>Polymer</i> , 2014, 55, 3525-3532.	1.8	22
120	Kilohertz Pulsed Laser Polymerization: Simultaneous Determination of Backbiting, Secondary, and Tertiary Radical Propagation Rate Coefficients for <i>tert</i> -Butyl Acrylate. <i>Macromolecular Rapid Communications</i> , 2016, 37, 781-787.	2.0	22
121	Deconstructing Oligomer Distributions: Discrete Species and Artificial Distributions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13869-13873.	7.2	22
122	Update and critical reanalysis of IUPAC benchmark propagation rate coefficient data. <i>Polymer Chemistry</i> , 2022, 13, 1891-1900.	1.9	22
123	Continuous ATRP Synthesis of Block-Like Copolymers via Column Reactors: Design and Validation of a Kinetic Model. <i>Macromolecular Reaction Engineering</i> , 2009, 3, 529-538.	0.9	21
124	Kinetic and mechanistic similarities between reversible addition fragmentation chain transfer intermediate and acrylate midchain radicals. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1293-1297.	2.5	21
125	Thioketone-Mediated Polymerization with Dithiobenzoates: Proof for the Existence of Stable Radical Intermediates in RAFT Polymerization. <i>Macromolecular Rapid Communications</i> , 2012, 33, 984-990.	2.0	21
126	Direct Access to Dithiobenzoate RAFT Agent Fragmentation Rate Coefficients by ESR Spin Trapping. <i>Macromolecular Rapid Communications</i> , 2014, 35, 2023-2028.	2.0	21

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127	Photo-induced copper-mediated acrylate polymerization in continuous-flow reactors. <i>Journal of Flow Chemistry</i> , 2016, 6, 260-267.	1.2	21
128	Understanding electrostatic and magnetic forces in magnetic force microscopy: towards single superparamagnetic nanoparticle resolution. <i>Journal of Physics Communications</i> , 2018, 2, 075019.	0.5	21
129	Elements of RAFT Navigation. <i>ACS Symposium Series</i> , 2018, , 77-103.	0.5	21
130	Polymers in the Blender. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000234.	1.1	21
131	Control of methyl methacrylate radical polymerization via Enhanced Spin Capturing Polymerization (ESCP). <i>Polymer</i> , 2010, 51, 3821-3825.	1.8	20
132	Revealing Model Dependencies in Assessing the RAFT Equilibrium Constant via Model Systems: An EPR Study. <i>Macromolecular Rapid Communications</i> , 2011, 32, 1891-1898.	2.0	20
133	Acid-Induced Room Temperature RAFT Polymerization: Synthesis and Mechanistic Insights. <i>Macromolecules</i> , 2016, 49, 4124-4135.	2.2	20
134	Facile photo-flow synthesis of branched poly(butyl acrylate)s. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 479-486.	1.9	20
135	Tuning of cross-linking and mechanical properties of laser-deposited poly (methyl methacrylate) films. <i>Journal of Applied Physics</i> , 2005, 97, 063501.	1.1	19
136	Continuous flow synthesis of core cross-linked star polymers via photo-induced copper mediated polymerization. <i>Polymer Chemistry</i> , 2019, 10, 1591-1598.	1.9	19
137	Designing molecular weight distributions of arbitrary shape with selectable average molecular weight and dispersity. <i>European Polymer Journal</i> , 2020, 134, 109834.	2.6	19
138	Kinetic Control of Aggregation Shape in Micellar Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13799-13802.	7.2	18
139	Solvent-Independent Molecular Weight Determination of Polymers Based on a Truly Universal Calibration. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	18
140	Synthesis of well-defined PPV containing block polymers with precise endgroup control by a dual-initiator strategy. <i>Polymer Chemistry</i> , 2013, 4, 3471-3479.	1.9	17
141	Combustion deposition of MoO ₃ films: from fundamentals to OPV applications. <i>RSC Advances</i> , 2015, 5, 91349-91362.	1.7	17
142	Synthesis of degradable multi-segmented polymers via Michael-addition thiol-ene step-growth polymerization. <i>RSC Advances</i> , 2015, 5, 81920-81932.	1.7	17
143	Single-pulse pulsed laser polymerization electron paramagnetic resonance investigations into the termination kinetics of n-butyl acrylate macromonomers. <i>Journal of Polymer Science Part A</i> , 2012, 50, 4740-4748.	2.5	16
144	Anionic PPV polymerization from the sulfinyl precursor route: Block copolymer formation from sequential addition of monomers. <i>Polymer</i> , 2013, 54, 1298-1304.	1.8	16

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145	Improved Mechanistic Insights into Radical Sulfinyl Precursor MDMO-PPV Synthesis by Combining Microflow Technology and Computer Simulations. <i>Macromolecules</i> , 2015, 48, 8294-8306.	2.2	16
146	Muconic acid esters as bio-based acrylate mimics. <i>Polymer Chemistry</i> , 2019, 10, 5555-5563.	1.9	16
147	UV-induced functionalization of poly(divinylbenzene) nanoparticles via efficient [2 + 2]-photocycloadditions. <i>Polymer Chemistry</i> , 2013, 4, 4010-4016.	1.9	15
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