

Philipp Vana

List of Publications by Year in descending order

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81900

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docs citations

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times ranked

3197
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#	ARTICLE	IF	CITATIONS
1	Mechanism and kinetics of dithiobenzoate-mediated RAFT polymerization. I. The current situation. <i>Journal of Polymer Science Part A</i> , 2006, 44, 5809-5831.	2.3	429
2	RAFTing down under: Tales of missing radicals, fancy architectures, and mysterious holes. <i>Journal of Polymer Science Part A</i> , 2003, 41, 365-375.	2.3	416
3	Origin of Inhibition Effects in the Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization of Methyl Acrylate. <i>Macromolecules</i> , 2002, 35, 8300-8306.	4.8	332
4	Xanthate Mediated Living Polymerization of Vinyl Acetate: A Systematic Variation in MADIX/RAFT Agent Structure. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 1160-1168.	2.2	312
5	Kinetic Analysis of Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerizations: Conditions for Inhibition, Retardation, and Optimum Living Polymerization. <i>Macromolecular Theory and Simulations</i> , 2002, 11, 823-835.	1.4	261
6	Critically Evaluated Termination Rate Coefficients for Free-Radical Polymerization, 1. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 2570-2582.	2.2	178
7	The reversible addition-fragmentation chain transfer process and the strength and limitations of modeling: Comment on "the magnitude of the fragmentation rate coefficient?". <i>Journal of Polymer Science Part A</i> , 2003, 41, 2828-2832.	2.3	143
8	Critically evaluated termination rate coefficients for free-radical polymerization: Experimental methods. <i>Progress in Polymer Science</i> , 2005, 30, 605-643.	24.7	137
9	Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization of Methyl Acrylate: A Detailed Structural Investigation via Coupled Size Exclusion Chromatography/Electrospray Ionization Mass Spectrometry (SEC/ESI-MS). <i>Macromolecules</i> , 2004, 37, 744-751.	4.8	126
10	Long-lived intermediates in reversible addition-fragmentation chain-transfer (RAFT) polymerization generated by γ radiation. <i>Journal of Polymer Science Part A</i> , 2002, 40, 1058-1063.	2.3	122
11	Reversible addition-fragmentation chain-transfer polymerization: Unambiguous end-group assignment via electrospray ionization mass spectrometry. <i>Journal of Polymer Science Part A</i> , 2002, 40, 4032-4037.	2.3	119
12	Reversible addition-fragmentation chain transfer polymerization initiated with γ -radiation at ambient temperature: an overview. <i>European Polymer Journal</i> , 2003, 39, 449-459.	5.4	114
13	Easy Access to Chain-Length-Dependent Termination Rate Coefficients Using RAFT Polymerization. <i>Macromolecular Rapid Communications</i> , 2002, 23, 952-956.	3.9	110
14	Modeling RAFT polymerization kinetics via Monte Carlo methods: cumyl dithiobenzoate mediated methyl acrylate polymerization. <i>Polymer</i> , 2005, 46, 8483-8493.	3.8	105
15	Z-RAFT Star Polymerizations of Acrylates: Star Coupling via Intermolecular Chain Transfer to Polymer. <i>Macromolecules</i> , 2007, 40, 2683-2693.	4.8	105
16	RAFT-Polymers with Single and Multiple Trithiocarbonate Groups as Uniform Gold-Nanoparticle Coatings. <i>Macromolecules</i> , 2013, 46, 4862-4871.	4.8	98
17	One-Pot RAFT/Click Chemistry via Isocyanates: Efficient Synthesis of β -End-Functionalized Polymers. <i>Journal of the American Chemical Society</i> , 2012, 134, 12596-12603.	13.7	97
18	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.	4.8	93

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19	Is the rate constant of chain propagation k_p in radical polymerization really chain-length independent?. <i>Macromolecular Rapid Communications</i> , 2000, 21, 913-920.	3.9	91
20	RAFT-Polymerization of Styrene up to High Pressure: Rate Enhancement and Improved Control. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1376-1381.	3.9	83
21	Cumyl Dithiobenzoate Mediated RAFT Polymerization of Styrene at High Temperatures. <i>Macromolecules</i> , 2005, 38, 7935-7943.	4.8	77
22	Poly(vinyl acetate) and Poly(vinyl propionate) Star Polymers via Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization. <i>Polymer Bulletin</i> , 2005, 53, 231-242.	3.3	74
23	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000216.	2.2	69
24	Laser Single Pulse Initiated RAFT Polymerization for Assessing Chain-Length Dependent Radical Termination Kinetics. <i>Macromolecular Rapid Communications</i> , 2005, 26, 796-802.	3.9	65
25	UV Light as External Switch and Boost of Molar-Mass Control in Iodine-Mediated Polymerization. <i>Macromolecules</i> , 2014, 47, 954-963.	4.8	65
26	Hydroplastic polymers as eco-friendly hydrosetting plastics. <i>Nature Sustainability</i> , 2021, 4, 877-883.	23.7	63
27	Synthesis of poly(methyl acrylate) loops grafted onto silica nanoparticles via reversible addition-fragmentation chain transfer polymerization. <i>Journal of Polymer Science Part A</i> , 2008, 46, 7656-7666.	2.3	61
28	Facile Access to Chain Length Dependent Termination Rate Coefficients via Reversible Addition-fragmentation Chain Transfer (RAFT) Polymerization: Influence of the RAFT Agent Structure. <i>Macromolecules</i> , 2004, 37, 2404-2410.	4.8	56
29	RAFT Polymerization of Methyl Acrylate in Carbon Dioxide. <i>Macromolecular Materials and Engineering</i> , 2005, 290, 283-293.	3.6	53
30	EPR Measurement of Fragmentation Kinetics in Dithiobenzoate-Mediated RAFT Polymerization. <i>Macromolecules</i> , 2011, 44, 2474-2480.	4.8	53
31	Mechanism of Dithiobenzoate-Mediated RAFT Polymerization: A Missing Reaction Step. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1299-1305.	3.9	52
32	Chain Length Dependent Propagation Rate Coefficient k_p in Pulsed-Laser Polymerization: Variation with Temperature in the Bulk Polymerization of Styrene and Methyl Methacrylate. <i>Macromolecules</i> , 2002, 35, 1208-1214.	4.8	49
33	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.	3.9	49
34	Determination of the Mode of Termination in Radical Polymerization via Mass Spectrometry. <i>Macromolecules</i> , 2009, 42, 652-662.	4.8	48
35	Planet's "Satellite Nanostructures Made To Order by RAFT Star Polymers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12639-12642.	13.8	48
36	Silica-immobilized cumyl dithiobenzoate as mediating agent in reversible addition fragmentation chain transfer (RAFT) polymerization. <i>Polymers for Advanced Technologies</i> , 2006, 17, 625-633.	3.2	44

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37	Chain-length dependent termination in pulsed-laser polymerization, 6. The evaluation of the rate coefficient of bimolecular termination k_t for the reference system methyl methacrylate in bulk at 25°C. <i>Macromolecular Rapid Communications</i> , 1998, 19, 533-538.	3.9	43
38	Initiation of free-radical polymerization by peroxy-pivalates studied by electrospray ionization mass spectrometry. <i>Journal of Polymer Science Part A</i> , 2004, 42, 4266-4275.	2.3	42
39	Electrospray ionization mass spectrometric end-group analysis of PMMA produced by radical polymerization using diacyl peroxide initiators. <i>Polymer</i> , 2007, 48, 5590-5598.	3.8	42
40	Chain Length Dependence of Chain Propagation Revisited. <i>Macromolecules</i> , 2005, 38, 1944-1948.	4.8	38
41	Shielding Effects in Polymer-Polymer Reactions, 1. <i>Macromolecular Theory and Simulations</i> , 2007, 16, 610-618.	1.4	38
42	Initiation of radical polymerization by peroxyacetates: Polymer end-group analysis by electrospray ionization mass spectrometry. <i>Journal of Polymer Science Part A</i> , 2007, 45, 2453-2467.	2.3	36
43	Solid-Supported MADIX Polymerization of Vinyl Acetate. <i>Macromolecules</i> , 2008, 41, 7071-7078.	4.8	36
44	Spherical Gold-Nanoparticle Assemblies with Tunable Interparticle Distances Mediated by Multifunctional RAFT Polymers. <i>ACS Macro Letters</i> , 2013, 2, 1073-1076.	4.8	35
45	Z-RAFT star polymerization of styrene: Comprehensive characterization using size-exclusion chromatography. <i>Polymer</i> , 2008, 49, 5199-5208.	3.8	34
46	Flipping the Pressure- and Temperature-Dependent Cloud-Point Behavior in the Cononsolvency System of Poly(<i>N</i> -isopropylacrylamide) in Water and Ethanol. <i>Macromolecules</i> , 2014, 47, 1462-1469.	4.8	34
47	Electrospray ionization mass spectrometric study of end-groups in peroxydicarbonate-initiated radical polymerization. <i>Journal of Polymer Science Part A</i> , 2008, 46, 6071-6081.	2.3	33
48	The Kinetics of Free-Radical Polymerization. , 0, , 187-261.		32
49	Chain-length dependent termination in pulsed-laser polymerization, 7. The evaluation of the power-law exponent b from the chain-length distribution in the low frequency (single-pulse) limit for the reference systems styrene and methyl methacrylate in bulk at 25°C. <i>Macromolecular Chemistry and Physics</i> , 1999, 200, 2031-2039.	2.2	31
50	Tracing arm-growth initiation in Z-RAFT star polymerization by NMR: The impact of the leaving R-group on star topology. <i>Journal of Polymer Science Part A</i> , 2008, 46, 7280-7286.	2.3	30
51	Laser-induced decomposition of 2,2-dimethoxy-2-phenylacetophenone and benzoin in methyl methacrylate homopolymerization studied via matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Journal of Polymer Science Part A</i> , 2002, 40, 675-681.	2.3	29
52	Multiblock Copolymers of Styrene and Butyl Acrylate via Polytrithiocarbonate-Mediated RAFT Polymerization. <i>Polymers</i> , 2011, 3, 719-739.	4.5	29
53	The Influence of RAFT on the Microstructure and the Mechanical Properties of Photopolymerized Poly(butyl acrylate) Networks. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 182-189.	2.2	29
54	Chain-Length-Dependent Termination in Acrylate Radical Polymerization Studied via Pulsed-Laser-Initiated RAFT Polymerization. <i>Australian Journal of Chemistry</i> , 2007, 60, 779.	0.9	28

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55	Kinetic Simulations of Reversible Chain Transfer Catalyzed Polymerization (RTCP): Guidelines to Optimum Molecular Weight Control. <i>Macromolecular Theory and Simulations</i> , 2010, 19, 24-35.	1.4	28
56	Easy Access to the RAFT Equilibrium Constant. <i>Macromolecules</i> , 2010, 43, 51-54.	4.8	28
57	Gold-Planet-Silver-Satellite Nanostructures Using RAFT Star Polymer. <i>ACS Macro Letters</i> , 2016, 5, 1227-1231.	4.8	28
58	Uniform Distance Scaling Behavior of Planet-Satellite Nanostructures Made by Star Polymers. <i>Langmuir</i> , 2017, 33, 2017-2026.	3.5	28
59	Multipulse Initiation in Pulsed Laser and Quenched Instationary Polymerization: Determination of the Propagation and Termination Rate Coefficients for Dicyclohexyl Itaconate Polymerization. <i>Macromolecules</i> , 2002, 35, 3008-3016.	4.8	27
60	Shielding effects in polymer-polymer reactions. II. Reactions between linear and star-branched chains with up to six arms. <i>Journal of Chemical Physics</i> , 2007, 127, 164906.	3.0	27
61	Termination Rate Coefficient of Dimethyl Itaconate: Comparison of Modeling and Experimental Results. <i>Macromolecules</i> , 2002, 35, 1651-1657.	4.8	25
62	A Missing Reaction Step in Dithiobenzoate-Mediated RAFT Polymerization. <i>Macromolecular Symposia</i> , 2007, 248, 158-167.	0.7	25
63	Electrochemically Induced RAFT Polymerization of Thermo-responsive Hydrogel Films: Impact on Film Thickness and Surface Morphology. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 761-767.	2.2	25
64	Stimulus-Responsive Planet-Satellite Nanostructures as Colloidal Actuators: Reversible Contraction and Expansion of the Planet-Satellite Distance. <i>Macromolecules</i> , 2017, 50, 7344-7350.	4.8	25
65	Chain Length Dependent Termination in Pulsed-Laser Polymerization. 9. The Influence of Solvent on the Rate Coefficient of Bimolecular Termination in the Polymerization of Styrene. <i>Macromolecules</i> , 2001, 34, 441-446.	4.8	24
66	Mechanism of CPDB-Mediated RAFT Polymerization of Methyl Methacrylate: Influence of Pressure and RAFT Agent Concentration. <i>Australian Journal of Chemistry</i> , 2009, 62, 1484.	0.9	23
67	RAFT/MADIX rate coefficients measured via time-resolved EPR spectroscopy after pulse laser initiation. <i>Polymer</i> , 2010, 51, 5977-5982.	3.8	23
68	Flexible Microdomain Specific Staining of Block Copolymers for 3D Optical Nanoscopy. <i>Macromolecules</i> , 2011, 44, 7508-7510.	4.8	23
69	Biomimetic triblock and multiblock copolymers containing α -Phenylalanine moieties showing healing and enhanced mechanical properties. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2809-2819.	2.3	23
70	Thermosensitive Cation-Selective Mesochannels: PNIPAM-Capped Mesoporous Thin Films as Bioinspired Interfacial Architectures with Concerted Functions. <i>Chemistry - A European Journal</i> , 2017, 23, 14500-14506.	3.3	23
71	Chain-length dependent termination in pulsed-laser polymerization, 5. The evaluation of the rate coefficient of bimolecular termination k_t for the reference system styrene in bulk at 25°C. <i>Macromolecular Rapid Communications</i> , 1998, 19, 433-439.	3.9	23
72	Chain length-dependent termination in pulsed-laser polymerization. VIII. The temperature dependence of the rate coefficient of bimolecular termination in the bulk polymerization of styrene. <i>Journal of Polymer Science Part A</i> , 2000, 38, 697-705.	2.3	22

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73	A Bipodal Silica-Immobilized Azo-Initiator for Surface-Confined Radical Polymerizations. Australian Journal of Chemistry, 2009, 62, 1473.	0.9	22
74	Ideal Molecular Weight Distributions of Multiblock Copolymers Prepared via RAFT Polymerization. Macromolecules, 2010, 43, 10283-10290.	4.8	22
75	Diffusion of single molecular and macromolecular probes during the free radical bulk polymerization of MMA towards a better understanding of the Trommsdorff effect on a molecular level. Polymer Chemistry, 2016, 7, 4100-4105.	3.9	22
76	Kinetic Aspects of RAFT Polymerization. Macromolecular Symposia, 2007, 248, 71-81.	0.7	21
77	Light-induced self-assembly of gold nanoparticles with a photoresponsive polymer shell. Polymer, 2016, 107, 503-508.	3.8	20
78	Trithiocarbonates Containing Trimethoxysilyl Functionalities as Mediating Agents in Reversible Addition-Fragmentation Chain Transfer (RAFT) Polymerization of Methyl Acrylate. Macromolecular Symposia, 2009, 275-276, 1-12.	0.7	19
79	Shielding effects in polymer-polymer reactions, 3. Z-RAFT star polymerization under various solvent conditions. Polymer, 2010, 51, 5122-5134.	3.8	19
80	Comparison of monomethoxy-, dimethoxy-, and trimethoxysilane anchor groups for surface-initiated RAFT polymerization from silica surfaces. Journal of Polymer Science Part A, 2015, 53, 103-113.	2.3	19
81	Thermoreversible Self-Assembly of Perfluorinated Core-Coronas Cellulose Nanoparticles in Dry State. Advanced Materials, 2017, 29, 1702473.	21.0	19
82	On the Mechanism of Radical Polymerization of Methyl Methacrylate with Dithiobenzoic Acid as Mediator. Australian Journal of Chemistry, 2006, 59, 549.	0.9	18
83	Time-delayed extraction matrix-assisted laser desorption/ionization time-of-flight mass spectrometry of polyacrylonitrile and other synthetic polymers with the matrix 4-hydroxybenzylidene malononitrile. Rapid Communications in Mass Spectrometry, 1998, 12, 1344-1350.	1.5	17
84	Influences of the Structural Design of RAFT Agents on Living Radical Polymerization Kinetics. ACS Symposium Series, 2003, , 551-569.	0.5	17
85	Determining Initiator Efficiency in Radical Polymerization by Electrospray Ionization Mass Spectrometry. Macromolecular Chemistry and Physics, 2009, 210, 1591-1599.	2.2	17
86	Functionalization of Planet-Satellite Nanostructures Revealed by Nanoscopic Localization of Distinct Macromolecular Species. Macromolecular Rapid Communications, 2016, 37, 1742-1747.	3.9	17
87	Nanoengineering with RAFT polymers: from nanocomposite design to applications. Polymer Chemistry, 2021, 12, 6198-6229.	3.9	17
88	Insights into the Ring-Expansion Polymerization of Thiiranes with 2,4-Thiazolidinedione. Macromolecular Chemistry and Physics, 2013, 214, 1484-1495.	2.2	16
89	New aspects of chain-length dependent termination. Macromolecular Symposia, 2002, 182, 15-30.	0.7	15
90	Stabilizing the Microphase Separation of Block Copolymers by Controlled Photo-crosslinking. Macromolecular Chemistry and Physics, 2014, 215, 1563-1572.	2.2	15

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91	The Structure of Gold-Nanoparticle Networks Cross-Linked by Di- and Multifunctional RAFT Oligomers. <i>Langmuir</i> , 2015, 31, 10573-10582.	3.5	15
92	Easy Access to the Characteristic Ratio of Polymers Using Ion-Mobility Mass Spectrometry. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600373.	2.2	15
93	Silica-Coated Magnetite Nanoparticles Carrying a High-Density Polymer Brush Shell of Hydrophilic Polymer. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800226.	3.9	15
94	Chain-length dependent termination in pulsed-laser polymerization, 6. The evaluation of the rate coefficient of bimolecular termination k_t for the reference system methyl methacrylate in bulk at 25°C. <i>Macromolecular Rapid Communications</i> , 1998, 19, 533-538.	3.9	14
95	Characterization of RAFT Star Polymerization of Butyl acrylate by Size-Exclusion Chromatography. <i>Macromolecular Symposia</i> , 2009, 275-276, 184-196.	0.7	14
96	The Impact of Band Broadening on Molar-Mass Determination of Narrow-Distribution Polymer by Size-Exclusion Chromatography. <i>Macromolecular Theory and Simulations</i> , 2011, 20, 667-674.	1.4	14
97	Functional Binary Micropattern of Hyperbranched Poly(ether amine) (hPEA-AN) Network and Poly(ether amine) (PEA) Brush for Recognition of Guest Molecules. <i>Biomacromolecules</i> , 2012, 13, 535-541.	5.4	13
98	Titin-mimicking polycyclic polymers with shape regeneration and healing properties. <i>Polymer Chemistry</i> , 2015, 6, 1714-1726.	3.9	13
99	Hardening of smooth pulsed laser deposited PMMA films by heating. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 98, 711-715.	2.3	12
100	Confinement of phonon propagation in laser deposited tungsten/polycarbonate multilayers. <i>New Journal of Physics</i> , 2016, 18, 092002.	2.9	12
101	Photocrosslinkable Star Polymers via RAFT-Copolymerizations with N-Ethylacrylate-3,4-dimethylmaleimide. <i>Polymers</i> , 2013, 5, 706-729.	4.5	11
102	Relaxation Processes of Poly(<i>tert</i> -butyl acrylate) Chemically Confined via Hydrogen Bonds. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1673-1677.	2.2	10
103	Phosphonic Acid Derivatives as Catalysts for Reversible Chain Transfer Catalyzed Polymerization (RTCP) at Ambient and High Pressure. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 259-265.	2.2	10
104	On the Mechanism of the Ring-Expansion Polymerization of Thiiranes. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 1263-1275.	2.2	10
105	Obtaining the Dielectric Constant of Polymers from Doubly Charged Species in Ion-Mobility Mass Spectrometry. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700126.	2.2	10
106	Macroscopic Helices Assembled from Chirality-Transferring Temperature-Responsive Carbohydrate-Based Bolaamphiphiles and 1,4-Benzenediboronic Acid. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9712-9718.	13.8	10
107	Intelligent CO ₂ - and photo-dual-responsive polymer vesicles with tunable wall thickness. <i>Polymer Chemistry</i> , 2019, 10, 1610-1618.	3.9	9
108	Polyethylene-Grafted Gold and Silver Nanoparticles Using Catalyzed Chain Growth (CCG). <i>Polymers</i> , 2018, 10, 407.	4.5	8

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109	Nanocomposites and Self-Assembled Structures via Controlled Radical Polymerization. <i>Advances in Polymer Science</i> , 2015, , 193-220.	0.8	7
110	Surface Modification of Wood Flour via ARGET ATRP and Its Application as Filler in Thermoplastics. <i>Polymers</i> , 2018, 10, 354.	4.5	7
111	Investigation into the Kinetics of <i>n</i> -Pentyl Methacrylate Radical Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900345.	2.2	7
112	Near-Infrared-Triggered Photothermal Aggregation of Polymer-Grafted Gold Nanorods in a Simulated Blood Fluid. <i>Biomacromolecules</i> , 2021, 22, 1614-1624.	5.4	7
113	Self-Compounded Nanocomposites: toward Multifunctional Membranes with Superior Mechanical, Gas/Oil Barrier, UV-Shielding, and Photothermal Conversion Properties. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28668-28678.	8.0	7
114	Chain Length Dependent Termination in Free Radical Copolymerization. 1. The Copolymerization System Styrene- <i>n</i> -Methyl Methacrylate in Bulk at 25 °C. <i>Macromolecules</i> , 2004, 37, 1544-1550.	4.8	6
115	Termination Kinetics of Surface-Initiated Radical Polymerization Measured by Time-Resolved ESR Spectroscopy after Laser-Pulse Initiation. <i>Macromolecules</i> , 2015, 48, 3190-3196.	4.8	6
116	Polymeric Flaky Nanostructures from Cellulose Stearoyl Esters for Functional Surfaces. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600636.	3.7	6
117	Controlled Arrangement of Gold Nanoparticles on Planar Surfaces via Constrained Dewetting of Surface-Grafted RAFT Polymer. <i>Polymers</i> , 2020, 12, 1214.	4.5	6
118	Surface-Initiated PLP-SEC of Butyl Acrylate and Styrene from Silica Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2009, 30, 1989-1994.	3.9	5
119	Tailoring Confinement: Nano-Carrier Synthesis via Z-RAFT Star Polymerization. <i>Polymers</i> , 2015, 7, 695-716.	4.5	5
120	Design Strategies for the Fabrication of Tailored Nanocomposites via RAFT Polymerization. <i>ACS Symposium Series</i> , 2015, , 293-307.	0.5	5
121	The Kinetics of Surface-Initiated RAFT Polymerization of Butyl acrylate Mediated by Trithiocarbonates. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600506.	2.2	5
122	Tuning the Mechanical Properties of Multiblock Copolymers Generated by Polyfunctional RAFT Agents. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700018.	3.6	5
123	Copper(I)-catalyzed azide-alkyne cycloaddition-assisted polymerization of linear glucose-derived copolymers. <i>Journal of Polymer Science</i> , 2020, 58, 1535-1543.	3.8	5
124	Tuning the Mechanical Properties of Poly(Methyl Acrylate) via Surface-Functionalized Montmorillonite Nanosheets. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000595.	3.6	5
125	Increasing the Gas Barrier Properties of Polyethylene Foils by Coating with Poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	4.5	5
126	Palladium-Catalyzed 4-Fold Domino Reaction for the Synthesis of a Polymeric Double Switch. <i>Organic Letters</i> , 2018, 20, 2007-2010.	4.6	4

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127	Prediction of Kinetically Stable Nanotheranostic Superstructures: Integral of First-Passage Times from Constrained Simulations. <i>Biomacromolecules</i> , 2020, 21, 5008-5020.	5.4	4
128	Mesoporous-silica-coated palladium-nanocubes as recyclable nanocatalyst in C-C-coupling reaction – a green approach. <i>RSC Advances</i> , 2020, 10, 26504-26507.	3.6	4
129	Modeling of Catalyzed Chain Growth (CCG) Polymerization of Styrene-d 8 using Cp*2 ZrCl2 and Dibenzylmagnesium. <i>Macromolecular Theory and Simulations</i> , 2015, 24, 232-247.	1.4	3
130	Cationic End-Functional Polyethylene via Catalyzed Chain Growth: Synthesis, Mass Spectrometry, and Applications. <i>Macromolecules</i> , 2018, 51, 8469-8476.	4.8	3
131	Refining Reactivity Ratios in the Copolymerization of Styrene and Methyl Methacrylate by EasySpin/MATLAB Simulations and Electron Paramagnetic Resonance Spectroscopy. <i>Macromolecular Theory and Simulations</i> , 2021, 30, 2100048.	1.4	3
132	A Kinetic Investigation of the Initialization of Catalyzed Chain Growth of Styrene: The Reaction of Cp* ₂ ZrCl ₂ with Dibenzylmagnesium. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 544-554.	2.2	2
133	Increasing the Tackiness of Statistical Poly(Butyl Acrylate) and Poly(Ethyl Acrylate) Network Materials via RAFT Polymerization. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 551-561.	3.6	2
134	Supramolecular Self-Assembly of β -Peptides Mediated by Janus-Type Recognition Units. <i>Chemistry - A European Journal</i> , 2020, 26, 12145-12149.	3.3	2
135	Elucidating the Topology and Physical Properties of Triblock Copolymers Using Ion Mobility Mass Spectrometry. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000317.	2.2	2
136	Enhancing the Mechanical Properties of Matrix-Free Poly(Methyl Acrylate)-Grafted Montmorillonite Nanosheets by Introducing Star Polymers and Hydrogen Bonding Moieties. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100054.	3.6	2
137	Mannosylated fluorescent cellulose-based glycopolymers for stable uniform nanoparticles. <i>Journal of Polymer Science</i> , 2021, 59, 170-181.	3.8	2
138	Gold nanoparticle ring arrays from core-satellite nanostructures made to order by hydrogen bond interactions. <i>Nanoscale Advances</i> , 2022, 4, 2787-2793.	4.6	2
139	Polystyrene-Core-Silica-Shell Hybrid Particles Containing Gold and Magnetic Nanoparticles. <i>Chemistry - an Asian Journal</i> , 2016, 11, 596-603.	3.3	1
140	Kinetic Analysis of Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerizations: Conditions for Inhibition, Retardation, and Optimum Living Polymerization. , 2002, 11, 823.		1
141	Is the rate constant of chain propagation k_p in radical polymerization really chain-length independent?. , 2000, 21, 913.		1
142	Easy Access to Chain-Length-Dependent Termination Rate Coefficients Using RAFT Polymerization. , 2002, 23, 952.		1
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