Christopher Barner-Kowollik

List of Publications by Year
in descending order

788 papers	37,913 citations	2962 96 h-index	10679 143 g-index
867 all docs	867 docs citations	867 times ranked	20677 citing authors

#	Article	IF	Citations
1	Lightâ€Gated Control of Conformational Changes in Polymer Brushes. Advanced Materials Technologies, 2022, 7, 2100347.	3.0	6
2	Sequence-independent activation of photocycloadditions using two colours of light. Chemical Science, 2022, 13, 531-535.	3.7	9
3	WellenlÃngenâ€Orthogonale Versteifung von Hydrogelâ€Netzwerken mit sichtbarem Licht. Angewandte Chemie, 2022, 134, .	1.6	4
4	Wavelength-Resolved PhotoATRP. Journal of the American Chemical Society, 2022, 144, 1094-1098.	6.6	21
5	Wavelengthâ€Orthogonal Stiffening of Hydrogel Networks with Visible Light. Angewandte Chemie - International Edition, 2022, 61, .	7.2	28
6	An amino acid-derived ABCBA-type antifouling biohybrid with multi-stimuli responsivity and contaminant removal capability. Polymer Chemistry, 2022, 13, 1960-1969.	1.9	4
7	Photostationary State in Dynamic Covalent Networks. ACS Macro Letters, 2022, 11, 532-536.	2.3	4
8	Wavelength Orthogonal Photodynamic Networks. Chemistry - A European Journal, 2022, 28, .	1.7	19
9	Photodynamic covalent bonds regulated by visible light for soft matter materials. Trends in Chemistry, 2022, 4, 291-304.	4.4	8
10	Orange-Light-Induced Photochemistry Gated by pH and Confined Environments. Journal of the American Chemical Society, 2022, 144, 6343-6348.	6.6	19
11	Green light enabled Staudingerâ€“Bertozzi ligation. Chemical Communications, 2022, 58, 6397-6400.	2.2	5
12	Two-colour light activated covalent bond formation. Nature Communications, 2022, 13, .	5.8	13
13	Regioisomerism in Symmetric Dimethyl Dialdehydes Dictates their Photochemical Reactivity. Journal of Organic Chemistry, 2022, 87, 9296-9300.	1.7	0
14	A simplified approach to thermally activated delayed fluorescence (TADF) bipolar host polymers. Polymer Chemistry, 2022, 13, 4241-4248.	1.9	5
15	Enzymeâ€Degradable 3D Multiâ€Material Microstructures. Advanced Functional Materials, 2021, 31, 2006998.	7.8	11
16	Flow Photochemistry for Singleâ€Chain Polymer Nanoparticle Synthesis. Angewandte Chemie - International Edition, 2021, 60, 2042-2046.	7.2	18
17	Multicomponent Reactions in Polymer Chemistry Utilizing Heavier Main Group Elements. Macromolecular Rapid Communications, 2021, 42, 2000495.	2.0	13
18	Prevent or Cureâ€”The Unprecedented Need for Selfâ€Reporting Materials. Angewandte Chemie - International Edition, 2021, 60, 17290-17313.	7.2	30

#	Article	IF	Citations
19	Vorbeugen oder Heilen â€“ die beispiellose Notwendigkeit von selbstberichtenden Materialien. Angewandte Chemie, 2021, 133, 17430-17454.	1.6	1
20	Red-Light Driven Photocatalytic Oxime Ligation for Bioorthogonal Hydrogel Design. ACS Macro Letters, 2021, 10, 78-83.	2.3	19
21	The bright and the dark side of the sphere: light-stabilized microparticles. Polymer Chemistry, 2021, 12, 449-457.	1.9	10
22	Flow Photochemistry for Singleâ€Chain Polymer Nanoparticle Synthesis. Angewandte Chemie, 2021, 133, 2070-2074.	1.6	2
23	Light-fueled dynamic covalent crosslinking of single polymer chains in non-equilibrium states. Chemical Science, 2021, 12, 1302-1310.	3.7	20
24	Modular functionalization and hydrogel formation via red-shifted and self-reporting [2+2] cycloadditions. Chemical Communications, 2021, 57, 805-808.	2.2	15
25	Green-light induced cycloadditions. Chemical Communications, 2021, 57, 3991-3994.	2.2	15
26	Untapped toolbox of luminol based polymers. Polymer Chemistry, 2021, 12, 1732-1748.	1.9	8
27	Green light LED activated ligation of a scalable, versatile chalcone chromophore. Polymer Chemistry, 2021, 12, 4903-4909.	1.9	15
28	Chemiluminescent self-reported unfolding of single-chain nanoparticles. Chemical Communications, 2021, 57, 5203-5206.	2.2	2
29	Stabilizing self-assembled nano-objects using light-driven tetrazole chemistry. Polymer Chemistry, 2021, 12, 1627-1634.	1.9	5
30	Four component Passerini polymerization of bulky monomers under high shear flow. Chemical Communications, 2021, 57, 8328-8331.	2.2	4
31	Heterobimetallic Au(<scp>i</scp>)/Y(<scp>iii</scp>) single chain nanoparticles as recyclable homogenous catalysts. Polymer Chemistry, 2021, 12, 4016-4021.	1.9	8
32	UV-induced photolysis of polyurethanes. Chemical Communications, 2021, 57, 2911-2914.	2.2	18
33	Degradable Redox-Responsive Polyolefins. Macromolecules, 2021, 54, 1775-1782.	2.2	13
34	Dual-Wavelength Gated oxo-Dielsâ€“Alder Photoligation. Organic Letters, 2021, 23, 2405-2410.	2.4	11
35	Chain-Length-Dependent Photolysis of ortho-Nitrobenzyl-Centered Polymers. ACS Macro Letters, 2021, 10, 447-452.	2.3	10
36	Wavelengthâ€Gated Photochemical Synthesis of Phenalene Diimides. Angewandte Chemie - International Edition, 2021, 60, 10402-10408.	7.2	13

#	Article	IF	Citations
37	Reversible Dielsâ€“Alder and Michael Addition Reactions Enable the Facile Postsynthetic Modification of Metalâ€“Organic Frameworks. Inorganic Chemistry, 2021, 60, 4397-4409.	1.9	9
38	WellenlÃngengesteuerte photochemische Synthese von Phenalendiimiden. Angewandte Chemie, 2021, 133, 10491-10498.	1.6	0
39	Predicting wavelength-dependent photochemical reactivity and selectivity. Nature Communications, 2021, 12, 1691.	5.8	21
40	A Self-Catalyzed Visible Light Driven Thiol Ligation. Journal of the American Chemical Society, 2021, 143, 7292-7297.	6.6	8
41	Laser Photodissociation Action Spectroscopy for the Wavelength-Dependent Evaluation of Photoligation Reactions. Analytical Chemistry, 2021, 93, 8091-8098.	3.2	3
42	The Missing Piece: Concentration Dependence of Donorâ€Acceptor Stenhouse Adduct (DASA) Reactivity. ChemPhotoChem, 2021, 5, 711-715.	1.5	4
43	Computational prediction of the molecular configuration of three-dimensional network polymers. Nature Materials, 2021, 20, 1422-1430.	13.3	84
44	Two Sides of the Same Coin: Light as a Tool to Control and Map Microsphere Design. ACS Macro Letters, 2021, 10, 851-856.	2.3	3
45	Wavelength-selective light-matter interactions in polymer science. Matter, 2021, 4, 2172-2229.	5.0	42
46	Electrospray Ionization-Mass Spectrometry of Synthetic Polymers Functionalized with Carboxylic Acid End-Groups. Journal of the American Society for Mass Spectrometry, 2021, 32, 2123-2134.	1.2	3
47	<scp>l</scp>-Histidine-Derived Smart Antifouling Biohybrid with Multistimuli Responsivity. Biomacromolecules, 2021, 22, 3941-3949.	2.6	9
48	Wavelengthâ€Selective Softening of Hydrogel Networks. Advanced Materials, 2021, 33, e2102184.	11.1	39
49	Passerini Multicomponent Reactions Enabling Self-Reporting Photosensitive Tetrazole Polymers. ACS Macro Letters, 2021, 10, 1159-1166.	2.3	1
50	Facile access to functional polyacrylates with dual stimuli response and tunable surface hydrophobicity. Polymer Chemistry, 2021, 12, 3042-3051.	1.9	9
51	Emissive semi-interpenetrating polymer networks for ink-jet printed multilayer OLEDs. Polymer Chemistry, 2021, 12, 5567-5573.	1.9	4
52	A Modular Fluorescent Probe for Viscosity and Polarity Sensing in DNA Hybrid Mesostructures. Advanced Science, 2021, 8, 2003740.	5.6	39
53	Ubiquitous Nature of Rate Retardation in Reversible Additionâ€“Fragmentation Chain Transfer Polymerization. Journal of the American Chemical Society, 2021, 143, 17769-17777.	6.6	32
54	Electrochemical Stimulation of Waterâ€“Oil Interfaces by Nonionicâ€–Cationic Block Copolymer Systems. Langmuir, 2021, 37, 1073-1081.	1.6	7

#	Article	IF	Citations
55	Action Plots in Action: In-Depth Insights into Photochemical Reactivity. Journal of the American Chemical Society, 2021, 143, 21113-21126.	6.6	60
56	A versatile and straightforward process to turn plastics into antibacterial materials. Polymer Chemistry, 2021, 13, 69-79.	1.9	3
57	Wavelengthâ€Selective Folding of Single Polymer Chains with Different Colors of Visible Light. Macromolecular Rapid Communications, 2020, 41, e1900414.	2.0	20
58	Precisely Controlled Microsphere Design via Visibleâ€Light Crossâ€Linking of Functional Prepolymers. Advanced Functional Materials, 2020, 30, 1905399.	7.8	16
59	Timeâ€Dependent Differential and Integral Quantum Yields for Wavelengthâ€Dependent [4+4] Photocycloadditions. Chemistry - A European Journal, 2020, 26, 478-484.	1.7	19
60	All Eyes on Visibleâ€Light Peroxyoxalate Chemiluminescence Readâ€Out Systems. Chemistry - A European Journal, 2020, 26, 114-127.	1.7	39
61	Emerging investigators 2020. Polymer Chemistry, 2020, 11, 153-165.	1.9	0
62	Contemporary catalyst-free photochemistry in synthetic macromolecular science. Progress in Polymer Science, 2020, 100, 101183.	11.8	30
63	4D Printing at the Microscale. Advanced Functional Materials, 2020, 30, 1907615.	7.8	141
64	It's a Trap: Thiolâ€Michael Chemistry on a DASA Photoswitch. Chemistry - A European Journal, 2020, 26, 809-813.	1.7	20
65	It's in the Fine Print: Erasable Threeâ€Dimensional Laserâ€Printed Microâ€•and Nanostructures. Angewandte Chemie - International Edition, 2020, 59, 6330-6340.	7.2	20
66	Revealing the Wavelength Dependence of Photochemical Reactions: Cutting-Edge Research in the Teaching Lab. Journal of Chemical Education, 2020, 97, 543-548.	1.1	7
67	Mechanical stimulation of single cells by reversible host-guest interactions in 3D microscaffolds. Science Advances, 2020, 6, .	4.7	61
68	Visible-light reversible photopolymerisation: insights via online photoflow â€“ electrospray ionisation â€“ mass spectrometry. Polymer Chemistry, 2020, 11, 6435-6440.	1.9	4
69	2D Fabrication of Tunable Responsive Interpenetrating Polymer Networks from a Single Photoresist. Advanced Functional Materials, 2020, 30, 2005328.	7.8	13
70	Photocycloadditions in disparate chemical environments. Chemical Communications, 2020, 56, 14043-14046.	2.2	13
71	A holistic approach for anthracene photochemistry kinetics. Chemical Engineering Journal, 2020, 402, 126259.	6.6	11
72	Introducing electrical conductivity to metalâ€“organic framework thin films by templated polymerization of methyl propiolate. Nanoscale, 2020, 12, 24419-24428.	2.8	8

#	Article	IF	Citations
73	Two Grapes Short of a Fruit Salad: Raspberry-, Strawberry-, and Seedpod-Like Organic Microspheres via Colloidal Nanotemplating. ACS Macro Letters, 2020, 9, 1785-1792.	2.3	2
74	Heteroâ€Ðielsâ€“Alder Cycloaddition with RAFT Polymers as Bioconjugation Platform. Angewandte Chemie - International Edition, 2020, 59, 19951-19955.	7.2	13
75	The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216.	1.1	69
76	Heteroâ€Ðielsâ€Alderâ€Cycloaddition mit RAFTâ€Polymeren als Biokonjugationsplattform. Angewandte Chemie, 2020, 132, 20123-20128.	1.6	0
77	Multi-material 3D microstructures with photochemically adaptive mechanical properties. Journal of Materials Chemistry C, 2020, 8, 10993-11000.	2.7	12
78	A printable thermally activated delayed fluorescence polymer light emitting diode. Journal of Materials Chemistry C, 2020, 8, 13001-13009.	2.7	12
79	Critical Assessment of the Application of Multidetection SEC and AF4 for the Separation of Single-Chain Nanoparticles. ACS Macro Letters, 2020, 9, 1569-1575.	2.3	13
80	Two colours of light drive PETâ€“RAFT photoligation. Polymer Chemistry, 2020, 11, 6453-6462.	1.9	9
81	An in-depth analysis approach enabling precision single chain nanoparticle design. Polymer Chemistry, 2020, 11, 6559-6578.	1.9	19
82	Green light triggered [2+2] cycloaddition of halochromic styrylquinoxalineâ€”controlling photoreactivity by pH. Nature Communications, 2020, 11, 4193.	5.8	50
83	Sensitive Photoresists for Rapid Multiphoton 3D Laser Microâ€•and Nanoprinting. Advanced Optical Materials, 2020, 8, 2000895.	3.6	56
84	Combining Photodeprotection and Ligation into a Dualâ€Color Gated Reaction System. Chemistry - A European Journal, 2020, 26, 16985-16989.	1.7	5
85	Heterobimetallic Eu(<scp>iii</scp>)/Pt(<scp>ii</scp>) single-chain nanoparticles: a path to enlighten catalytic reactions. Chemical Science, 2020, 11, 10331-10336.	3.7	12
86	Mapping Photochemical Reactivity Profiles on Surfaces. Journal of the American Chemical Society, 2020, 142, 21651-21655.	6.6	8
87	Two Colour Photoflow Chemistry for Macromolecular Design. Angewandte Chemie - International Edition, 2020, 59, 14143-14147.	7.2	14
88	Chemiluminescent self-reporting supramolecular transformations on macromolecular scaffolds. Polymer Chemistry, 2020, 11, 4213-4220.	1.9	6
89	Evidence for ultrafast formation of tribenzoylgermyl radicals originating from tetraacylgermane photoinitiators. Polymer Chemistry, 2020, 11, 3972-3979.	1.9	1
90	Zweifarbiges Licht in der Durchflusssynthese fÃ¼r makromolekulares Design. Angewandte Chemie, 2020, 132, 14247-14251.	1.6	3

#	Article	IF	Citations
91	Facile Synthesis and Inâ€Depth Characterization of Polymethacrylimides with Tunable Properties. Macromolecular Rapid Communications, 2020, 41, e2000183.	2.0	0
92	Mass spectrometry as a tool to advance polymer science. Nature Reviews Chemistry, 2020, 4, 257-268.	13.8	41
93	Macromolecular Superstructures: A Future Beyond Single Chain Nanoparticles. Israel Journal of Chemistry, 2020, 60, 86-99.	1.0	55
94	A Methoxyamineâ€Protecting Group for Organic Radical Battery Materialsâ€”An Alternative Approach. ChemSusChem, 2020, 13, 2386-2393.	3.6	7
95	Trending methods employed for polymerization induced self-assembly. New Journal of Chemistry, 2020, 44, 6690-6698.	1.4	22
96	Precipitation Polymerization: Precisely Controlled Microsphere Design via Visibleâ€Light Crossâ€Linking of Functional Prepolymers (Adv. Funct. Mater. 26/2020). Advanced Functional Materials, 2020, 30, 2070173.	7.8	0
97	Voxels: Rapid Assembly of Small Materials Building Blocks (Voxels) into Large Functional 3D Metamaterials (Adv. Funct. Mater. 26/2020). Advanced Functional Materials, 2020, 30, 2070166.	7.8	1
98	Chemiluminescent Read-Out of Degradable Fluorescent Polymer Particles. Macromolecules, 2020, 53, 5826-5832.	2.2	10
99	Shining Light on Poly(ethylene glycol): From Polymer Modification to 3D Laser Printing of Water Erasable Microstructures. Advanced Materials, 2020, 32, e2003060.	11.1	23
100	Frontispiece: All Eyes on Visibleâ€Light Peroxyoxalate Chemiluminescence Readâ€Out Systems. Chemistry - A European Journal, 2020, 26, .	1.7	0
101	Biomedical Applications of pH-Responsive Amphiphilic Polymer Nanoassemblies. ACS Applied Nano Materials, 2020, 3, 2104-2117.	2.4	84
102	Wavelength-gated photoreversible polymerization and topology control. Chemical Science, 2020, 11, 2834-2842.	3.7	23
103	Wavelengthâ€Dependent Stiffening of Hydrogel Matrices via Redshifted [2+2] Photocycloadditions. Advanced Functional Materials, 2020, 30, 1908171.	7.8	48
104	Es ist im Kleingedruckten: LÃ¶schbare dreidimensionale lasergedruckte Mikroâ€•und Nanostrukturen. Angewandte Chemie, 2020, 132, 6390-6401.	1.6	2
105	Pushing the limits of single chain compaction analysis by observing specific size reductions via high resolution mass spectrometry. Polymer Chemistry, 2020, 11, 1696-1701.	1.9	2
106	Rapid Assembly of Small Materials Building Blocks (Voxels) into Large Functional 3D Metamaterials. Advanced Functional Materials, 2020, 30, 1907795.	7.8	156
107	On-demand acid-gated fluorescence switch-on in photo-generated nanospheres. Chemical Communications, 2020, 56, 4986-4989.	2.2	10
108	DNAâ€Polymerâ€Nanostrukturen durch RAFTâ€Polymerisation und polymerisationsinduzierte Selbstassemblierung. Angewandte Chemie, 2020, 132, 15602-15607.	1.6	3

#	Article	IF	Citations
109	DNAâ€“Polymer Nanostructures by RAFT Polymerization and Polymerizationâ€Induced Selfâ€Assembly. Angewandte Chemie - International Edition, 2020, 59, 15474-15479.	7.2	46
110	Light-induced Ligation of o-Quinodimethanes with Gated Fluorescence Self-reporting. Journal of the American Chemical Society, 2020, 142, 7744-7748.	6.6	26
111	Tacticity dependence of single chain polymer folding. Polymer Chemistry, 2020, 11, 3439-3445.	1.9	5
112	Chemiluminescent read-out of para-fluoro-thiol reaction events. Chemical Communications, 2020, 56, 14996-14999.	2.2	2
113	[4+4] Anthracene Photodimerization for Controlled Folding of Single Chain Polymer Nanoparticles. , 2020, 69, .		0
114	Synthesis of Singleâ€Ring Nanoparticles Mimicking Natural Cyclotides by a Stepwise Foldingâ€Activationâ€Collapse Process. Macromolecular Rapid Communications, 2019, 40, 1800491.	2.0	18
115	A novel synthetic approach for designing metal-free, redox-active quinoxaline-benzimidazole-based organic polymers with high energy storage capacity. New Journal of Chemistry, 2019, 43, 14806-14817.	1.4	9
116	Adaptable and Reprogrammable Surfaces. Advanced Materials, 2019, 31, e1902665.	11.1	23
117	Two in One: Light as a Tool for 3D Printing and Erasing at the Microscale. Advanced Materials, 2019, 31, e1904085.	11.1	61
118	Self-reporting visible light-induced polymer chain collapse. Polymer Chemistry, 2019, 10, 4513-4518.	1.9	22
119	Exploring the Photochemical Reactivity of Multifunctional Photocaged Dienes in Continuous Flow. ChemPhotoChem, 2019, 3, 1146-1152.	1.5	4
120	From n-butyl acrylate Arrhenius parameters for backbiting and tertiary propagation to Î²-scission via stepwise pulsed laser polymerization. Polymer Chemistry, 2019, 10, 4116-4125.	1.9	38
121	Fully independent photochemical reactivity in one molecule. Chemical Communications, 2019, 55, 9877-9880.	2.2	6
122	Controlling biofilm formation with nitroxide functional surfaces. Polymer Chemistry, 2019, 10, 4252-4258.	1.9	15
123	Investigating the Photochemistry of Spiropyran Metal Complexes with Online LED-NMR. Inorganic Chemistry, 2019, 58, 15479-15486.	1.9	34
124	A Guanidine-Based Superbase as Efficient Chemiluminescence Booster. Scientific Reports, 2019, 9, 14519.	1.6	15
125	Hybrid Photo-induced Copolymerization of Ring-Strained and Vinyl Monomers Utilizing Metal-Free Ring-Opening Metathesis Polymerization Conditions. Journal of the American Chemical Society, 2019, 141, 16605-16609.	6.6	28
126	Photo-Cross-Linkable Polymer Inks for Solution-Based OLED Fabrication. Macromolecules, 2019, 52, 9105-9113.	2.2	17

#	Article	IF	Citations
127	On the Schwarzschild Effect in 3D Twoâ€Photon Laser Lithography. Advanced Optical Materials, 2019, 7, 1901040.	3.6	43
128	Partially bio-based aromatic poly(ether sulfone)s bearing pendant furyl groups: synthesis, characterization and thermo-reversible cross-linking with a bismaleimide. Polymer Chemistry, 2019, 10, 1089-1098.	1.9	15
129	M24+ paddlewheel clusters as junction points in single-chain nanoparticles. Polymer Chemistry, 2019, 10, 86-93.	1.9	15
130	With polymer photoclicks to fluorescent microspheres. Materials Horizons, 2019, 6, 356-363.	6.4	20
131	The long and the short of polymer grafting. Polymer Chemistry, 2019, 10, 54-59.	1.9	35
132	Quantifying Solvent Effects on Polymer Surface Grafting. ACS Macro Letters, 2019, 8, 800-805.	2.3	16
133	Light-Stabilized Dynamic Materials. Journal of the American Chemical Society, 2019, 141, 12329-12337.	6.6	63
134	On the macrocyclization selectivity of meta-substituted diamines and dialdehydes: towards macrocycles with tunable functional peripheries. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2019, 95, 119-134.	0.9	2
135	A Photochemical Ligation System Enabling Solidâ€Phase Chemiluminescence Readâ€Out. Chemistry - A European Journal, 2019, 25, 12538-12544.	1.7	15
136	Tailoring the Mechanical Properties of 3D Microstructures Using Visible Light Postâ€Manufacturing. Advanced Materials, 2019, 31, e1901269.	11.1	43
137	Selfâ€Propagated para â€Fluoroâ€Thiol Reaction. Chemistry - A European Journal, 2019, 25, 10049-10053.	1.7	9
138	Unprecedented Bifunctional Chemistry of Bis(acyl)phosphane Oxides in Aqueous and Alcoholic Media. Chemistry - A European Journal, 2019, 25, 8982-8986.	1.7	5
139	Strengths and limitations of size exclusion chromatography for investigating single chain folding â€“ current status and future perspectives. Polymer Chemistry, 2019, 10, 3410-3425.	1.9	38
140	Lichtinduzierte orthogonale Bildung kovalenter Bindungen durch zwei WellenlÃngen. Angewandte Chemie, 2019, 131, 7548-7552.	1.6	7
141	Hyphenation of size-exclusion chromatography to mass spectrometry for precision polymer analysis â€“ a tutorial review. Polymer Chemistry, 2019, 10, 3241-3256.	1.9	17
142	Mapping the Compaction of Discrete Polymer Chains by Size Exclusion Chromatography Coupled to High-Resolution Mass Spectrometry. Macromolecules, 2019, 52, 2597-2606.	2.2	15
143	Protectionâ€Groupâ€Free Synthesis of Sequenceâ€Defined Macromolecules via Precision Î»â€Orthogonal Photochemistry. Angewandte Chemie - International Edition, 2019, 58, 7133-7137.	7.2	34
144	Lightâ€Controlled Orthogonal Covalent Bond Formation at Two Different Wavelengths. Angewandte Chemie - International Edition, 2019, 58, 7470-7474.	7.2	28

#	Article	IF	Citations
145	Frontispiece: Contemporary Photoligation Chemistry: The Visible Light Challenge. Chemistry - A European Journal, 2019, 25, .	1.7	0
146	Outstanding Reviewers for Polymer Chemistry in 2018. Polymer Chemistry, 2019, 10, 2100-2100.	1.9	0
147	Visibleâ€Lightâ€Induced Passerini Multicomponent Polymerization. Angewandte Chemie, 2019, 131, 5728-5732.	1.6	2
148	Schutzgruppenfreie Synthese von sequenzdefinierten MakromolekÃ¼len mittels prÃziser Î»â€orthogonaler Photochemie. Angewandte Chemie, 2019, 131, 7207-7211.	1.6	2
149	3D Scaffolds to Study Basic Cell Biology. Advanced Materials, 2019, 31, e1808110.	11.1	101
150	Visibleâ€Lightâ€Induced Passerini Multicomponent Polymerization. Angewandte Chemie - International Edition, 2019, 58, 5672-5676.	7.2	43
151	Scalable Synthesis of Sequenceâ€Defined Oligomers via Photoflow Chemistry. ChemPhotoChem, 2019, 3, 225-228.	1.5	23
152	Multimaterial 3D laser microprinting using an integrated microfluidic system. Science Advances, 2019, 5, eaau9160.	4.7	130
153	Photoresists: Access to Disparate Soft Matter Materials by Curing with Two Colors of Light (Adv.) Tj ETQq1 1 0.784314 rgBT /Overloc	11.1	0
154	Making Light Work of Material Design. ChemPhotoChem, 2019, 3, 504-505.	1.5	0
155	Contemporary Photoligation Chemistry: The Visible Light Challenge. Chemistry - A European Journal, 2019, 25, 3700-3709.	1.7	30
156	More than Expected: Overall Initiation Efficiencies of Mono-, Bis-, and Tetraacylgermane Radical Initiators. Macromolecules, 2019, 52, 281-291.	2.2	19
157	Controlling Chain Coupling and Singleâ€Chain Ligation by Two Colours of Visible Light. Angewandte Chemie - International Edition, 2019, 58, 3604-3609.	7.2	60
158	A New Class of Materials: Sequenceâ€Defined Macromolecules and Their Emerging Applications. Advanced Materials, 2019, 31, e1806027.	11.1	115
159	Comb Polymers with Triazole Linkages under Thermal and Mechanical Stress. Macromolecules, 2019, 52, 420-431.	2.2	2
160	Kontrolle Ã¼ber Kettenvernetzung und EinzelkettenverknÃ¼pfung durch zwei Farben des sichtbaren Lichts. Angewandte Chemie, 2019, 131, 3642-3648.	1.6	16
161	Pyreneâ€Tagged Chloro Oximes as Ambientâ€Lightâ€Accelerated Ligation Agents. ChemPhotoChem, 2019, 3, 66-70.	1.5	2
162	DNAâ€“Polymer Conjugates by Photoinduced RAFT Polymerization. Biomacromolecules, 2019, 20, 212-221.	2.6	60

#	Article	IF	Citations
163	A New Approach for the Synthesis of Miktoarm Star Polymers Through a Combination of Thiolâ€“Epoxy â€œClickâ€•Chemistry and ATRP/Ringâ€Opening Polymerization Techniques. Journal of Polymer Science Part A, 2019, 57, 146-156.	2.5	7
164	STED-Inspired Laser Lithography Based on Photoswitchable Spirothiopyran Moieties. Chemistry of Materials, 2019, 31, 1966-1972.	3.2	54
165	Controlling the shape of 3D microstructures by temperature and light. Nature Communications, 2019, 10, 232.	5.8	193
166	Access to Disparate Soft Matter Materials by Curing with Two Colors of Light. Advanced Materials, 2019, 31, e1807288.	11.1	61
167	Polymer networks based on photo-caged diene dimerization. Materials Horizons, 2019, 6, 81-89.	6.4	17
168	Counting the Clicks in Fluorescent Polymer Networks. Angewandte Chemie - International Edition, 2018, 57, 5925-5929.	7.2	26
169	Reversible Surface Engineering via Nitrone-Mediated Radical Coupling. Langmuir, 2018, 34, 3244-3255.	1.6	3
170	Polymer on Top: Current Limits and Future Perspectives of Quantitatively Evaluating Surface Grafting. Advanced Materials, 2018, 30, e1706321.	11.1	70
171	Engineering Nitroxide Functional Surfaces Using Bioinspired Adhesion. Langmuir, 2018, 34, 3264-3274.	1.6	21
172	Direct access to biocompatible nitroxide containing polymers. Polymer Chemistry, 2018, 9, 1348-1355.	1.9	10
173	A Simple and Versatile Pathway for the Synthesis of Visible Light Photoreactive Nanoparticles. Advanced Functional Materials, 2018, 28, 1800342.	7.8	18
174	Bestimmung der VerknÃ¼pfungspunkte in fluoreszenten Polymernetzwerken. Angewandte Chemie, 2018, 130, 6028-6033.	1.6	6
175	Photochemical ligation meets nanocellulose: a versatile platform for self-reporting functional materials. Materials Horizons, 2018, 5, 560-568.	6.4	25
176	Visible Light Activation of Spinâ€Silenced Fluorescence. Chemistry - A European Journal, 2018, 24, 12246-12249.	1.7	11
177	Single-Chain Nanoparticles as Catalytic Nanoreactors. Journal of the American Chemical Society, 2018, 140, 5875-5881.	6.6	155
178	Tunable Blocking Agents for Temperature-Controlled Triazolinedione-Based Cross-Linking Reactions. Macromolecules, 2018, 51, 3156-3164.	2.2	26
179	Installing lactone chain termini during photoinduced polymerization. Polymer Chemistry, 2018, 9, 3336-3341.	1.9	3
180	Spatially resolved coding of Î»-orthogonal hydrogels by laser lithography. Chemical Communications, 2018, 54, 2436-2439.	2.2	24

#	Article	IF	Citations
181	Light-Induced Step-Growth Polymerization of AB-Type Photo-Monomers at Ambient Temperature. ACS Macro Letters, 2018, 7, 201-207.	2.3	18
182	A Combined Photochemical and Multicomponent Reaction Approach to Precision Oligomers. Chemistry - A European Journal, 2018, 24, 3413-3419.	1.7	37
183	Untapped potential for debonding on demand: the wonderful world of azo-compounds. Materials Horizons, 2018, 5, 162-183.	6.4	54
184	Ugi multicomponent reaction to prepare peptideâ€“peptoid hybrid structures with diverse chemical functionalities. Polymer Chemistry, 2018, 9, 482-489.	1.9	30
185	2D laser lithography on silicon substrates via photoinduced copper-mediated radical polymerization. Chemical Communications, 2018, 54, 751-754.	2.2	12
186	Delivery of Amonafide from Fructose-Coated Nanodiamonds by Oxime Ligation for the Treatment of Human Breast Cancer. Biomacromolecules, 2018, 19, 481-489.	2.6	42
187	A Priori Prediction of Mass Spectrometric Product Patterns of Photoinitiated Polymerizations. ACS Macro Letters, 2018, 7, 132-136.	2.3	8
188	Unraveling the Spontaneous Zwitterionic Copolymerization Mechanism of Cyclic Imino Ethers and Acrylic Acid. Macromolecules, 2018, 51, 318-327.	2.2	11
189	Reporting pH-sensitive drug releaseviaunpaired spin fluorescence silencing. Polymer Chemistry, 2018, 9, 499-505.	1.9	5
190	Self-reporting and refoldable profluorescent single-chain nanoparticles. Chemical Science, 2018, 9, 4696-4702.	3.7	27
191	Folding polymer chains with visible light. Chemical Communications, 2018, 54, 3476-3479.	2.2	43
192	Interrupted CuAAC Ligation: An Efficient Approach to Fluorescence Labeled Three-Armed Mikto Star Polymers. Macromolecules, 2018, 51, 2682-2689.	2.2	12
193	Emerging Investigators 2018. Polymer Chemistry, 2018, 9, 1469-1478.	1.9	0
194	WellenlÃngengesteuerte dynamische kovalente Chemie. Angewandte Chemie, 2018, 130, 2054-2064.	1.6	20
195	Wavelengthâ€Gated Dynamic Covalent Chemistry. Angewandte Chemie - International Edition, 2018, 57, 2036-2045.	7.2	110
196	From the Editor's Desk â€“ Polymer Chemistry 2018. Polymer Chemistry, 2018, 9, 9-10.	1.9	1
197	Dual-Gated Microparticles for Switchable Antibody Release. ACS Applied Materials & Interfaces, 2018, 10, 1450-1462.	4.0	10
198	Exploiting Î»â€Orthogonal Photoligation for Layered Surface Patterning. Chemistry - A European Journal, 2018, 24, 576-580.	1.7	25

#	Article	IF	Citations
199	Spatiallyâ€Resolved Multiple Metallopolymer Surfaces by Photolithography. Chemistry - A European Journal, 2018, 24, 18933-18943.	1.7	10
200	Phenanthroline-A Versatile Ligand for Advanced Functional Polymeric Materials. Chemistry - A European Journal, 2018, 24, 17369-17369.	1.7	1
201	High Performance Quantification of Complex High Resolution Polymer Mass Spectra. ACS Macro Letters, 2018, 7, 1443-1447.	2.3	16
202	Oxidative polymerization of terthiophene and a substituted thiophene monomer in metal-organic framework thin films. European Polymer Journal, 2018, 109, 162-168.	2.6	21
203	Correlating In-Depth Mechanistic Understanding with Mechanical Properties of High-Temperature Resistant Cyclic Imide Copolymers. Macromolecules, 2018, 51, 8712-8720.	2.2	5
204	Dynamic Nitroxide Functional Materials. Chemistry - A European Journal, 2018, 24, 18873-18879.	1.7	6
205	Access to the Î²-scission rate coefficient in acrylate radical polymerization by careful scanning of pulse laser frequencies at elevated temperature. Reaction Chemistry and Engineering, 2018, 3, 807-815.	1.9	25
206	Phenanthrolineâ€”A Versatile Ligand for Advanced Functional Polymeric Materials. Chemistry - A European Journal, 2018, 24, 17475-17486.	1.7	16
207	Chiral Mono(borohydride) Complexes of Scandium and Lutetium and Their Catalytic Activity in Ring-Opening Polymerization of <scp>dl</scp>-Lactide. Organometallics, 2018, 37, 4481-4487.	1.1	18
208	A Subtractive Photoresist Platform for Microâ€•and Macroscopic 3D Printed Structures. Advanced Functional Materials, 2018, 28, 1801405.	7.8	33
209	Radical-Induced Single-Chain Collapse of Passerini Sequence-Regulated Polymers Assessed by High-Resolution Mass Spectrometry. Macromolecules, 2018, 51, 3967-3974.	2.2	14
210	Photochemistry in Confined Environments for Single-Chain Nanoparticle Design. Journal of the American Chemical Society, 2018, 140, 9551-9557.	6.6	86
211	Stability of Dielsâ€“Alder photoadducts in macromolecules. Polymer Chemistry, 2018, 9, 3850-3854.	1.9	2
212	Intrinsically Fluorescent, Stealth Polypyrazoline Nanoparticles with Large Stokes Shift for In Vivo Imaging. Small, 2018, 14, e1801571.	5.2	25
213	Polyselenoureas via Multicomponent Polymerizations Using Elemental Selenium as Monomer. ACS Macro Letters, 2018, 7, 898-903.	2.3	22
214	Adding chemically selective subtraction to multi-material 3D additive manufacturing. Nature Communications, 2018, 9, 2788.	5.8	58
215	Visible Light [2 + 2] Cycloadditions for Reversible Polymer Ligation. Macromolecules, 2018, 51, 3802-3807.	2.2	84
216	Visible Light-Induced Ligation via o-Quinodimethane Thioethers. Journal of the American Chemical Society, 2018, 140, 11848-11854.	6.6	29

#	Article	IF	Citations
217	Making and Breaking Chemical Bonds by Chemiluminescence. Macromolecular Rapid Communications, 2018, 39, 1800516.	2.0	23
218	Light induced polyethylene ligation. Polymer Chemistry, 2018, 9, 3633-3637.	1.9	3
219	Photoinduced Tetrazoleâ€Based Functionalization of Offâ€Stoichiometric Clickable Microparticles. Advanced Functional Materials, 2017, 27, 1605317.	7.8	20
220	Direct light-induced (co-)grafting of photoactive polymers to graphitic nanodiamonds. Polymer Chemistry, 2017, 8, 838-842.	1.9	6
221	Photochemically Driven Polymeric Network Formation: Synthesis and Applications. Advanced Materials, 2017, 29, 1604005.	11.1	130
222	Understanding Reactivity Patterns in Lightâ€Induced Nitrile Imine Mediated Tetrazoleâ€“Ene Cycloadditions. ChemPhotoChem, 2017, 1, 159-163.	1.5	27
223	Light-driven reversible surface functionalization with anthracenes: visible light writing and mild UV erasing. Chemical Communications, 2017, 53, 1599-1602.	2.2	63
224	Photoâ€Induced Click Chemistry for DNA Surface Structuring by Direct Laser Writing. Chemistry - A European Journal, 2017, 23, 4990-4994.	1.7	14
225	Kinetic Monte Carlo Modeling Extracts Information on Chain Initiation and Termination from Complete PLP-SEC Traces. Macromolecules, 2017, 50, 1371-1385.	2.2	54
226	Self-Reporting Fluorescent Step-Growth RAFT Polymers Based on Nitrile Imine-Mediated Tetrazole-ene Cycloaddition Chemistry. ACS Macro Letters, 2017, 6, 229-234.	2.3	51
227	Dynamisches makromolekulares Materialdesign â€“ die Vielseitigkeit von Cyclodextrinâ€basierter Wirtâ€Gastâ€Chemie. Angewandte Chemie, 2017, 129, 8468-8488.	1.6	26
228	Dynamic Macromolecular Material Designâ€"The Versatility of Cyclodextrinâ€Based Hostâ€“Guest Chemistry. Angewandte Chemie - International Edition, 2017, 56, 8350-8369.	7.2	230
229	Wavelength-Dependent Photochemistry of Oxime Ester Photoinitiators. Macromolecules, 2017, 50, 1815-1823.	2.2	140
230	Cleaving Directâ€Laserâ€Written Microstructures on Demand. Angewandte Chemie - International Edition, 2017, 56, 5625-5629.	7.2	43
231	Estimating the photodissociation quantum yield from PLP-SEC peak heights. Polymer Chemistry, 2017, 8, 3124-3128.	1.9	19
232	Gezielte Spaltung von durch direktes Laserschreiben hergestellten Mikrostrukturen. Angewandte Chemie, 2017, 129, 5717-5721.	1.6	10
233	Platin(II)â€verknÃ¼pfte Einzelkettenâ€Nanopartikel: ein Schritt in Richtung wiederverwendbarer Homogenkatalysatoren. Angewandte Chemie, 2017, 129, 5032-5036.	1.6	13
234	Fabrication of 3D gold/polymer conductive microstructures via direct laser writing (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0	

#	Article	IF	Citations
235	Oxidative polymerization of catecholamines: structural access by high-resolution mass spectrometry. Polymer Chemistry, 2017, 8, 3050-3055.	1.9	20
236	Photo-reversible bonding and cleavage of block copolymers. Polymer Chemistry, 2017, 8, 4038-4042.	1.9	19
237	Molecular Switch for Sub-Diffraction Laser Lithography by Photoenol Intermediate-State Cisâ€“Trans Isomerization. ACS Nano, 2017, 11, 6396-6403.	7.3	44
238	3D Laser Microâ€•and Nanoprinting: Challenges for Chemistry. Angewandte Chemie - International Edition, 2017, 56, 15828-15845.	7.2	205
239	Selective functionalization of laser printout patterns on cellulose paper sheets coated with surface-specific peptides. Journal of Materials Chemistry A, 2017, 5, 16144-16149.	5.2	11
240	Australia and Germany: Large Distance, Close Collaborations. Angewandte Chemie - International Edition, 2017, 56, 8304-8305.	7.2	2
241	Australien und Deutschland: groÃŸe Entfernung, enge Beziehung. Angewandte Chemie, 2017, 129, 8420-8421.	1.6	2
242	Platinum(II)â€Crosslinked Singleâ€Chain Nanoparticles: An Approach towards Recyclable Homogeneous Catalysts. Angewandte Chemie - International Edition, 2017, 56, 4950-4954.	7.2	83
243	Pyreneacyl sulfides as a visible light-induced versatile ligation platform. Chemical Communications, 2017, 53, 4501-4504.	2.2	29
244	Dual-Gated Supramolecular Star Polymers in Aqueous Solution. Macromolecules, 2017, 50, 2375-2386.	2.2	31
245	Nearâ€Infrared Photoinduced Reactions Assisted by Upconverting Nanoparticles. Chemistry - A European Journal, 2017, 23, 8325-8332.	1.7	63
246	Twoâ€inâ€One: Î»â€Orthogonal Photochemistry on a Radical Photoinitiating System. Macromolecular Rapid Communications, 2017, 38, 1600598.	2.0	16
247	Ultrathin Monomolecular Films and Robust Assemblies Based on Cyclic Catechols. Langmuir, 2017, 33, 670-679.	1.6	9
248	Photochemically Induced Folding of Single Chain Polymer Nanoparticles in Water. ACS Macro Letters, 2017, 6, 56-61.	2.3	74
249	Disulfone Cross-Linkers for Î»-Orthogonal Photoinduced Curing and Degradation of Polymeric Networks. ACS Macro Letters, 2017, 6, 16-20.	2.3	16
250	Degradable fluorescent single-chain nanoparticles based on metathesis polymers. Chemical Communications, 2017, 53, 775-778.	2.2	49
251	Imaging Single-Chain Nanoparticle Folding via High-Resolution Mass Spectrometry. Journal of the American Chemical Society, 2017, 139, 51-54.	6.6	27
252	Fluorescent Glyco Single-Chain Nanoparticle-Decorated Nanodiamonds. ACS Macro Letters, 2017, 6, 1168-1174.	2.3	30

#	Article	IF	Citations
253	Supercharging Synthetic Polymers: Mass Spectrometric Access to Nonpolar Synthetic Polymers. Macromolecules, 2017, 50, 8033-8041.	2.2	15
254	Chemically reprogrammable metal organic frameworks (MOFs) based on Dielsâ€“Alder chemistry. Chemical Communications, 2017, 53, 11461-11464.	2.2	18
255	Photo-induced ring-closure via a looped flow reactor. Reaction Chemistry and Engineering, 2017, 2, 826-829.	1.9	13
256	Wavelength Dependence of Light-Induced Cycloadditions. Journal of the American Chemical Society, 2017, 139, 15812-15820.	6.6	83
257	High resolution mass spectrometric access to nitroxide containing polymers. Polymer Chemistry, 2017, 8, 5269-5274.	1.9	12
258	Investigation of thermoreversible polymer networks by temperature dependent size exclusion chromatography. Polymer Chemistry, 2017, 8, 6598-6605.	1.9	14
259	Spin fluorescence silencing enables an efficient thermally driven self-reporting polymer release system. Polymer Chemistry, 2017, 8, 6199-6203.	1.9	15
260	A facile route to segmented copolymers by fusing ambient temperature step-growth and RAFT polymerization. Chemical Communications, 2017, 53, 10648-10651.	2.2	4
261	Stepwise Lightâ€Induced Dual Compaction of Singleâ€Chain Nanoparticles. Macromolecular Rapid Communications, 2017, 38, 1700264.	2.0	18
262	Titelbild: Dynamisches makromolekulares Materialdesign â€“ die Vielseitigkeit von Cyclodextrinâ€basierter Wirtâ€Gastâ€Chemie (Angew. Chem. 29/2017). Angewandte Chemie, 2017, 129, 8417-8417.	1.6	0
263	Wavelength-Dependent Photochemical Stability of Photoinitiator-Derived Macromolecular Chain Termini. ACS Macro Letters, 2017, 6, 952-958.	2.3	18
264	Fusing Light-Induced Step-Growth Processes with RAFT Chemistry for Segmented Copolymer Synthesis: A Synergetic Experimental and Kinetic Modeling Study. Macromolecules, 2017, 50, 6451-6467.	2.2	41
265	Controlling thermal reactivity with different colors of light. Nature Communications, 2017, 8, 1869.	5.8	34
266	An In-Depth Mechanistic Investigation of the Radical Initiation Behavior of Monoacylgermanes. Macromolecules, 2017, 50, 8894-8906.	2.2	24
267	Frontispiece: Nearâ€Infrared Photoinduced Reactions Assisted by Upconverting Nanoparticles. Chemistry - A European Journal, 2017, 23, .	1.7	0
268	50th Anniversary Perspective: Polymer Functionalization. Macromolecules, 2017, 50, 5215-5252.	2.2	318
269	Dual-Gated Chain Shattering Based on Light Responsive Benzophenones and Thermally Responsive Dielsâ€“Alder Linkages. Macromolecules, 2017, 50, 5385-5391.	2.2	21
270	Dynamic covalent single chain nanoparticles based on hetero Dielsâ€“Alder chemistry. Chemical Communications, 2017, 53, 157-160.	2.2	27

#	Article	IF	Citations
271	Self-reporting dynamic covalent polycarbonate networks. Polymer Chemistry, 2017, 8, 414-420.	1.9	24
272	Critically Evaluated Rate Coefficients in Radical Polymerization â€“ 8. Propagation Rate Coefficients for Vinyl Acetate in Bulk. Macromolecular Chemistry and Physics, 2017, 218, 1600357.	1.1	24
273	An Update on the Pivotal Role of Kinetic Modeling for the Mechanistic Understanding and Design of Bulk and Solution RAFT Polymerization. Macromolecular Theory and Simulations, 2017, 26, 1600048.	0.6	54
274	Guiding Cell Attachment in 3D Microscaffolds Selectively Functionalized with Two Distinct Adhesion Proteins. Advanced Materials, 2017, 29, 1604342.	11.1	123
275	Characterizing single chain nanoparticles (SCNPs): a critical survey. Polymer Chemistry, 2017, 8, 5845-5851.	1.9	45
276	3Dâ€Laserâ€Mikroâ€Nanodruck: Herausforderungen fÃ¼r die Chemie. Angewandte Chemie, 2017, 129, 16038-16056.	1.6	23
277	Spatially resolved photochemical coding of reversibly anchored cysteine-rich domains. Journal of Materials Chemistry B, 2017, 5, 4993-5000.	2.9	10
278	Responsive hybrid (poly)peptideâ€“polymer conjugates. Journal of Materials Chemistry B, 2017, 5, 8274-8288.	2.9	23
279	Lithiumâ€“air battery cathode modification via an unconventional thermal method employing borax. RSC Advances, 2016, 6, 66307-66310.	1.7	1
280	Frontispiz: Bottom-Up Fabrication of Nanopatterned Polymers on DNA Origami by Inâ€…Situ Atom-Transfer Radical Polymerization. Angewandte Chemie, 2016, 128, .	1.6	0
281	Bottomâ€Up Fabrication of Nanopatterned Polymers on DNA Origami by Inâ€…Situ Atomâ€Transfer Radical Polymerization. Angewandte Chemie - International Edition, 2016, 55, 5692-5697.	7.2	64
282	Macromol. Rapid Commun. 2/2016. Macromolecular Rapid Communications, 2016, 37, 196-196.	2.0	0
283	Fabrication of Conductive 3D Goldâ€Containing Microstructures via Direct Laser Writing. Advanced Materials, 2016, 28, 3592-3595.	11.1	127
284	Entropisch bedingte SelektivitÃt der Kettenspaltung oder: Wo MakromolekÃ¼le sich trennen. Angewandte Chemie, 2016, 128, 1537-1541.	1.6	2
285	Zweifache, simultane OberflÃchenmodifikation von dreidimensionalen Mikrostrukturen mittels Photochemie. Angewandte Chemie, 2016, 128, 3882-3887.	1.6	10
286	Bottomâ€Up Fabrication of Nanopatterned Polymers on DNA Origami by Inâ€…Situ Atomâ€Transfer Radical Polymerization. Angewandte Chemie, 2016, 128, 5786-5791.	1.6	29
287	Simultaneous Dual Encoding of Threeâ€Dimensional Structures by Lightâ€Induced Modular Ligation. Angewandte Chemie - International Edition, 2016, 55, 3817-3822.	7.2	52
288	Star polymer synthesis via Î»-orthogonal photochemistry. Chemical Communications, 2016, 52, 9426-9429.	2.2	44

#	Article	IF	Citations
289	Determining Freeâ€Radical Propagation Rate Coefficients with Highâ€Frequency Lasers: Current Status and Future Perspectives. Macromolecular Rapid Communications, 2016, 37, 123-134.	2.0	29
290	Bis(mesitoyl)phosphinic acid: photo-triggered release of metaphosphorous acid in solution. Chemical Communications, 2016, 52, 9917-9920.	2.2	17
291	Polymerâ€Fullerene Network Formation via Lightâ€Induced Crosslinking. Macromolecular Rapid Communications, 2016, 37, 1466-1471.	2.0	13
292	Entropyâ€Driven Selectivity for Chain Scission: Where Macromolecules Cleave. Angewandte Chemie - International Edition, 2016, 55, 1514-1518.	7.2	25
293	Chemisch gesteuerte schrittweise Entfaltung von Einzelkettenâ€Nanopartikeln. Angewandte Chemie, 2016, 128, 11446-11450.	1.6	19
294	Coding and decoding libraries of sequence-defined functional copolymers synthesized via photoligation. Nature Communications, 2016, 7, 13672.	5.8	111
295	Lichtgesteuerte Kupplungsreaktionen im nahen Infrarot mittels Aufkonvertierungsâ€Nanopartikeln. Angewandte Chemie, 2016, 128, 12382-12386.	1.6	13
296	Direct Mapping of RAFT Controlled Macromolecular Growth on Surfaces via Single Molecule Force Spectroscopy. ACS Macro Letters, 2016, 5, 498-503.	2.3	18
297	A Light-Activated Reaction Manifold. Journal of the American Chemical Society, 2016, 138, 7048-7054.	6.6	21
298	A mild, efficient and catalyst-free thermoreversible ligation system based on dithiooxalates. Polymer Chemistry, 2016, 7, 3244-3250.	1.9	7
299	Universal mass spectrometric analysis of poly(ionic liquid)s. Chemical Science, 2016, 7, 4912-4921.	3.7	16
300	A novel method for the measurement of degenerative chain transfer coefficients: proof of concept and experimental validation. Polymer Chemistry, 2016, 7, 3334-3349.	1.9	8
301	Î±,Ï‰-Reactive Building Blocks Based on a Dual Functional RAFT Agent for Thermal and Light-Induced Ligation. ACS Macro Letters, 2016, 5, 597-601.	2.3	12
302	Click reactive microgels as a strategy towards chemically injectable hydrogels. Polymer Chemistry, 2016, 7, 6752-6760.	1.9	12
303	Photophysical Properties of Benzoylgermane and paraâ€Substituted Derivatives: Substituent Effects on Electronic Transitions. ChemPhysChem, 2016, 17, 3460-3469.	1.0	17
304	An alternative method to estimate the bulk backbiting rate coefficient in acrylate radical polymerization. Polymer Chemistry, 2016, 7, 6521-6528.	1.9	26
305	Polybutadiene Functionalization via an Efficient Avenue. ACS Macro Letters, 2016, 5, 1146-1151.	2.3	26
306	The living dead â€“ common misconceptions about reversible deactivation radical polymerization. Materials Horizons, 2016, 3, 471-477.	6.4	58

#	Article	IF	Citations
307	A complete kinetic study of a versatile functional monomer: acetoacetoxyethyl methacrylate (AAEMA). Polymer Chemistry, 2016, 7, 5518-5525.	1.9	23
308	Singleâ€Chain Folding of Synthetic Polymers: A Critical Update. Macromolecular Rapid Communications, 2016, 37, 29-46.	2.0	196
309	Chain Transfer in Degenerative RAFT Polymerization Revisited: A Comparative Study of Literature Methods. Macromolecular Theory and Simulations, 2016, 25, 104-115.	0.6	24
310	Reversing Adhesion: A Triggered Release Selfâ€Reporting Adhesive. Advanced Science, 2016, 3, 1500361.	5.6	40
311	Just Add Salt: A Mass Spectrometric Analysis Method for Imaging Anionâ€Exchanged Poly(Ionic Liquid)s. Macromolecular Rapid Communications, 2016, 37, 1662-1666.	2.0	1
312	Nearâ€Infrared Photoinduced Coupling Reactions Assisted by Upconversion Nanoparticles. Angewandte Chemie - International Edition, 2016, 55, 12195-12199.	7.2	65
313	Quantitative Analysis of Step-Growth Polymers by Size Exclusion Chromatography. ACS Macro Letters, 2016, 5, 1023-1028.	2.3	4
314	Fructose-Coated Nanodiamonds: Promising Platforms for Treatment of Human Breast Cancer. Biomacromolecules, 2016, 17, 2946-2955.	2.6	47
315	Light-Adaptive Supramolecular Nacre-Mimetic Nanocomposites. Nano Letters, 2016, 16, 5176-5182.	4.5	42
316	Stepwise Unfolding of Singleâ€Chain Nanoparticles by Chemically Triggered Gates. Angewandte Chemie - International Edition, 2016, 55, 11276-11280.	7.2	72
317	Free Radical Propagation Rate Coefficients of N-Containing Methacrylates: Are We Family?. Macromolecules, 2016, 49, 8572-8580.	2.2	23
318	Australian European Selfâ€Assembly through Macromolecular Interactions. Macromolecular Chemistry and Physics, 2016, 217, 2207-2208.	1.1	1
319	Frontispiece: Bottom-Up Fabrication of Nanopatterned Polymers on DNA Origami by Inâ€…Situ Atom-Transfer Radical Polymerization. Angewandte Chemie - International Edition, 2016, 55, .	7.2	0
320	Investigating the propagation kinetics of a novel class of nitrogen-containing methacrylates via PLP-SEC. Polymer Chemistry, 2016, 7, 4342-4351.	1.9	13
321	Design of broadband SERS substrates by the laser-induced aggregation of gold nanoparticles. Journal of Materials Chemistry C, 2016, 4, 6152-6159.	2.7	13
322	Recodable surfaces based on switchable hydrogen bonds. Chemical Communications, 2016, 52, 8753-8756.	2.2	6
323	Polymer Interfaces: Synthetic Strategies Enabling Functionality, Adaptivity, and Spatial Control. Macromolecules, 2016, 49, 5001-5016.	2.2	25
324	Thermoresponsive Agarose Based Microparticles for Antibody Separation. Biomacromolecules, 2016, 17, 280-290.	2.6	11

#	Article	IF	Citations
325	Fluorescent Covalently Cross-Linked Cellulose Networks via Light-Induced Ligation. ACS Macro Letters, 2016, 5, 139-143.	2.3	32
326	Toward a Quantitative Description of Radical Photoinitiator Structureâ€“Reactivity Correlations. Macromolecules, 2016, 49, 80-89.	2.2	50
327	Discussion on â€œAperiodic Copolymersâ€• ACS Macro Letters, 2016, 5, 1-3.	2.3	21
328	Wavelength selective polymer network formation of end-functional star polymers. Chemical Communications, 2016, 52, 1975-1978.	2.2	43
329	Catalyst free visible light induced cycloaddition as an avenue for polymer ligation. Chemical Communications, 2016, 52, 5928-5931.	2.2	52
330	Polymer Functional Nanodiamonds by Light-Induced Ligation. Macromolecules, 2016, 49, 1712-1721.	2.2	21
331	Green chain-shattering polymers based on a self-immolative azobenzene motif. Polymer Chemistry, 2016, 7, 2272-2279.	1.9	37
332	Maleimide-functionalized poly(2-ethyl-2-oxazoline): synthesis and reactivity. Polymer Chemistry, 2016, 7, 2419-2426.	1.9	10
333	Photo-induced chemistry for the design of oligonucleotide conjugates and surfaces. Journal of Materials Chemistry B, 2016, 4, 442-449.	2.9	5
334	Photo- and Metallo-responsive N-Alkyl Î±-Bisimines as Orthogonally Addressable Main-Chain Functional Groups in Metathesis Polymers. Journal of the American Chemical Society, 2016, 138, 1142-1145.	6.6	41
335	Controlled radical polymerization and in-depth mass-spectrometric characterization of poly(ionic) Tj ETQq1 1 0.784314 rgBT /Overloc	1.9	38
336	Photoenol Laser Lithography Using Intermediate-State Cis-Trans Isomerization for Writing Inhibition. , 2016, , .		0
337	InnenrÃ¼cktitelbild: Durch sichtbares Licht induzierte Klick-Chemie (Angew. Chem. 35/2015). Angewandte Chemie, 2015, 127, 10517-10517.	1.6	0
338	Designing Molecular Printboards: A Photolithographic Platform for Recodable Surfaces. Chemistry - A European Journal, 2015, 21, 13186-13190.	1.7	21
339	No Apparent Correlation of k_p with Steric Hindrance for Branched Acrylates. Macromolecular Chemistry and Physics, 2015, 216, 1573-1582.	1.1	14
340	Rapid Thiolâ€Yneâ€Mediated Fabrication and Dual Postfunctionalization of Microâ€Resolved 3D Mesostructures. Advanced Functional Materials, 2015, 25, 3735-3744.	7.8	31
341	Visibleâ€Lightâ€Induced Click Chemistry. Angewandte Chemie - International Edition, 2015, 54, 10284-10288.	7.2	62
342	Efficient Photochemical Approaches for Spatially Resolved Surface Functionalization. Angewandte Chemie - International Edition, 2015, 54, 11388-11403.	7.2	90

#	Article	IF	Citations
343	A Selfâ€Reporting Tetrazoleâ€Based Linker for the Biofunctionalization of Gold Nanorods. Chemistry - A European Journal, 2015, 21, 14309-14313.	1.7	21
344	Photolithographic Encoding of Metal Complexes. Chemistry - A European Journal, 2015, 21, 14728-14731.	1.7	5
345	Solvent Effects on k_p in Organic Media?: Statement to the Response. Macromolecular Rapid Communications, 2015, 36, 1984-1986.	2.0	7
346	Macromol. Rapid Commun. 18/2015. Macromolecular Rapid Communications, 2015, 36, 1696-1696.	2.0	0
347	Hierarchical Nacre Mimetics with Synergistic Mechanical Properties by Control of Molecular Interactions in Selfâ€Healing Polymers. Angewandte Chemie - International Edition, 2015, 54, 8653-8657.	7.2	139
348	The Link that Lasts: A New Frontier in Supramolecular Block Copolymer Design. Angewandte Chemie - International Edition, 2015, 54, 11612-11614.	7.2	9
349	Surface Grafting via Photoâ€Induced Copperâ€Mediated Radical Polymerization at Extremely Low Catalyst Concentrations. Macromolecular Rapid Communications, 2015, 36, 1681-1686.	2.0	50
350	Phototriggered Functionalization of Hierarchically Structured Polymer Brushes. Langmuir, 2015, 31, 5899-5907.	1.6	43
351	Designing Ï€-Conjugated Polymeric Nano- and Microstructures via Light Induced Chemistry. Macromolecules, 2015, 48, 8718-8728.	2.2	13
352	Design and Synthesis of Triblock Copolymers for Creating Complex Secondary Structures by Orthogonal Self-Assembly. Macromolecules, 2015, 48, 8921-8932.	2.2	58
353	ATRP-based polymers with modular ligation points under thermal and thermomechanical stress. Polymer Chemistry, 2015, 6, 2854-2868.	1.9	18
354	Cleaning the Click: A Simple Electrochemical Avenue for Copper Removal from Strongly Coordinating Macromolecules. ACS Macro Letters, 2015, 4, 298-301.	2.3	27
355	The Long and the Short of Radical Polymerization. Macromolecules, 2015, 48, 492-501.	2.2	57
356	Î»â€Orthogonale Photochemie: Lichtinduzierte pericyclische Reaktionen an MakromolekÃ¼len. Angewandte Chemie, 2015, 127, 2880-2885.	1.6	21
357	Renewable, fluorescent, and thermoresponsive: cellulose copolymers via light-induced ligation in solution. Polymer Chemistry, 2015, 6, 2188-2191.	1.9	18
358	Î»â€Orthogonal Pericyclic Macromolecular Photoligation. Angewandte Chemie - International Edition, 2015, 54, 2838-2843.	7.2	70
359	Modelling of reversible single chain polymer self-assembly: from the polymer towards the protein limit. Chemical Communications, 2015, 51, 6002-6005.	2.2	23
360	Design of Redox/Radical Sensing Molecules via Nitrile Imine-Mediated Tetrazole-ene Cycloaddition (NITEC). Journal of Organic Chemistry, 2015, 80, 8009-8017.	1.7	35

#	Article	IF	Citations
361	Ready access to end-functional polystyrenes via a combination of ARGET ATRP and thiolâ€“ene chemistry. Polymer Chemistry, 2015, 6, 6931-6935.	1.9	12
362	Light-driven nitrile imine-mediated tetrazoleâ€“ene cycloaddition as a versatile platform for fullerene conjugation. Chemical Communications, 2015, 51, 13000-13003.	2.2	19
363	Entropic Effects on the Supramolecular Self-Assembly of Macromolecules. ACS Macro Letters, 2015, 4, 774-777.	2.3	16
364	Photochemical Design of Stimuli-Responsive Nanoparticles Prepared by Supramolecular Hostâ€“Guest Chemistry. Macromolecules, 2015, 48, 4410-4420.	2.2	41
365	A Photolithographic Approach to Spatially Resolved Cross-Linked Nanolayers. Langmuir, 2015, 31, 3242-3253.	1.6	5
366	Phase Inversion Membranes from Amphiphilic Diblock Terpolymers. Advanced Materials Interfaces, 2015, 2, 1500042.	1.9	22
367	Cycloadditions in Modern Polymer Chemistry. Accounts of Chemical Research, 2015, 48, 1296-1307.	7.6	136
368	A Sunlight-Induced Click Reaction as an Efficient Route to Cyclic Aliphatic Polyesters. Macromolecular Chemistry and Physics, 2015, 216, 1227-1234.	1.1	16
369	Pd-complex driven formation of single-chain nanoparticles. Polymer Chemistry, 2015, 6, 4358-4365.	1.9	90
370	Enlightening the Mechanism of Copper Mediated PhotoRDRP via High-Resolution Mass Spectrometry. Journal of the American Chemical Society, 2015, 137, 6889-6896.	6.6	113
371	Photolithographic Patterning of 3Dâ€Formed Polycarbonate Films for Targeted Cell Guiding. Advanced Materials, 2015, 27, 2621-2626.	11.1	36
372	Macromolecular Surface Design: Photopatterning of Functional Stable Nitrile Oxides. Angewandte Chemie - International Edition, 2015, 54, 5777-5783.	7.2	37
373	Photo-induced sequence defined macromolecules via hetero bifunctional synthons. Chemical Communications, 2015, 51, 1799-1802.	2.2	62
374	Access to Multiblock Copolymers via Supramolecular Hostâ€“Guest Chemistry and Photochemical Ligation. ACS Macro Letters, 2015, 4, 1062-1066.	2.3	16
375	Photo-induced surface encoding of gold nanoparticles. Chemical Communications, 2015, 51, 3363-3366.	2.2	13
376	Entropy driven chain effects on ligation chemistry. Chemical Science, 2015, 6, 1061-1074.	3.7	36
377	Fast and Simple Preparation of Patterned Surfaces with Hydrophilic Polymer Brushes by Micromolding in Capillaries. Langmuir, 2015, 31, 13625-13631.	1.6	18
378	Systematic Assessment of the Photochemical Stability of Photoinitiator-Derived Macromolecular Chain Termini. Macromolecules, 2015, 48, 8451-8460.	2.2	12

#	Article	IF	Citations
379	A Disulfide Intercalator Toolbox for the Siteâ€Directed Modification of Polypeptides. Chemistry - A European Journal, 2015, 21, 228-238.	1.7	33
380	SEC Analysis of Poly(Acrylic Acid) and Poly(Methacrylic Acid). Macromolecular Chemistry and Physics, 2015, 216, 23-37.	1.1	46
381	Exploring the Mechanisms in STEDâ€Enhanced Direct Laser Writing. Advanced Optical Materials, 2015, 3, 221-232.	3.6	71
382	ABC-type miktoarm star terpolymers accessed by H-bonding driven supramolecular self-assembly. European Polymer Journal, 2015, 62, 409-417.	2.6	24
383	Chapter 6. Recent Developments in Nitroxide Mediated Polymerization. RSC Polymer Chemistry Series, 2015, , 264-304.	0.1	3
384	Ï€â€Conjugated Polymerâ€“Fullerene Covalent Hybrids via Ambient Conditions Dielsâ€“Alder Ligation. Small, 2014, 10, 3091-3098.	5.2	16
385	Solvent Effects on Acrylate k_p in Organic Media?â€”A Systematic PLPâ€“SEC Study. Macromolecular Rapid Communications, 2014, 35, 2029-2037.	2.0	26
386	Direct Access to Dithiobenzoate RAFT Agent Fragmentation Rate Coefficients by ESR Spinâ€Trapping. Macromolecular Rapid Communications, 2014, 35, 2023-2028.	2.0	21
387	Suppressing Pseudomonas aeruginosa adhesion via non-fouling polymer brushes. RSC Advances, 2014, 4, 64781-64790.	1.7	28
388	Ambient Temperature Ligation of Diene Functional Polymer and Peptide Strands onto Cellulose via Photochemical and Thermal Protocols. Macromolecular Rapid Communications, 2014, 35, 1121-1127.	2.0	19
389	Macromol. Rapid Commun. 1/2014. Macromolecular Rapid Communications, 2014, 35, 44-44.	2.0	0
390	Living Radical Polymerization of Ethylene: A Challenge Overcome?. ChemCatChem, 2014, 6, 3060-3062.	1.8	6
391	Individually Addressable Thermoâ€and Redoxâ€Responsive Block Copolymers by Combining Anionic Polymerization and RAFT Protocols. Macromolecular Rapid Communications, 2014, 35, 708-714.	2.0	47
392	Dynamic Bonding: State-of-the-Art Analytical Methods for Assessing Dynamic Bonding Soft Matter Materials (Adv. Mater. 33/2014). Advanced Materials, 2014, 26, 5887-5887.	11.1	0
393	Glassâ€Transitionâ€, Meltingâ€, and Decomposition Temperatures of Tailored Polyacrylates and Polymethacrylates: General Trends and Structureâ€“Property Relationships. Macromolecular Chemistry and Physics, 2014, 215, 1192-1200.	1.1	45
394	Critically evaluated rate coefficients in radical polymerization â€“ 7. Secondary-radical propagation rate coefficients for methyl acrylate in the bulk. Polymer Chemistry, 2014, 5, 204-212.	1.9	118
395	Catalytic transesterification of cellulose in ionic liquids: sustainable access to cellulose esters. Green Chemistry, 2014, 16, 3266.	4.6	74
396	Photoâ€Patterning of Nonâ€Fouling Polymers and Biomolecules on Paper. Advanced Materials, 2014, 26, 4087-4092.	11.1	79

#	Article	IF	Citations
397	RAFT-Mediated ab Initio Emulsion Copolymerization of 1,3-Butadiene with Acrylonitrile. Macromolecules, 2014, 47, 2820-2829.	2.2	21
398	Fabrication and Spatially Resolved Functionalization of 3D Microstructures via Multiphotonâ€Induced Dielsâ€“Alder Chemistry. Advanced Functional Materials, 2014, 24, 3571-3580.	7.8	51
399	Global Trends for k_p? The Influence of Ester Side Chain Topography in Alkyl (Meth)Acrylates â^' Completing the Data Base. Macromolecules, 2014, 47, 3483-3496.	2.2	36
400	Highly Selective Dispersion of Single-Walled Carbon Nanotubes via Polymer Wrapping: A Combinatorial Study via Modular Conjugation. ACS Macro Letters, 2014, 3, 10-15.	2.3	55
401	A bioinspired light induced avenue for the design of patterned functional interfaces. Journal of Materials Chemistry B, 2014, 2, 36-40.	2.9	30
402	Complex macromolecular architecture design via cyclodextrin host/guest complexes. Progress in Polymer Science, 2014, 39, 235-249.	11.8	166
403	Highly efficient photoluminescent Cu(i)â€“PyrPHOS-metallopolymers. Journal of Materials Chemistry C, 2014, 2, 1457.	2.7	26
404	Adaptable Hetero Dielsâ€“Alder Networks for Fast Selfâ€Healing under Mild Conditions. Advanced Materials, 2014, 26, 3561-3566.	11.1	245
405	Redoxâ€Switchable Supramolecular Graft Polymer Formation via Ferroceneâ€“Cyclodextrin Assembly. Macromolecular Rapid Communications, 2014, 35, 1293-1300.	2.0	55
406	Fusing Catechol-Driven Surface Anchoring with Rapid Hetero Dielsâ€“Alder Ligation. ACS Macro Letters, 2014, 3, 1169-1173.	2.3	17
407	Supramolecular X- and H-shaped star block copolymers via cyclodextrin-driven supramolecular self-assembly. Polymer Chemistry, 2014, 5, 2461.	1.9	33
408	(Meth)acrylic monomers with heteroatom-containing ester side chains: a systematic PLP-SEC and polymerization study. Polymer Chemistry, 2014, 5, 862-873.	1.9	14
409	Studying the polymerization initiation efficiency of acetophenone-type initiators via PLP-ESI-MS and femtosecond spectroscopy. Polymer Chemistry, 2014, 5, 5053-5068.	1.9	33
410	Sunlight-induced crosslinking of 1,2-polybutadienes: access to fluorescent polymer networks. Polymer Chemistry, 2014, 5, 1447-1456.	1.9	43
411	Supramolecular polymer networks of building blocks prepared via RAFT polymerization. Polymer Chemistry, 2014, 5, 2142.	1.9	18
412	Polyphthalaldehyde-block-polystyrene as a nanochannel template. Journal of Materials Chemistry B, 2014, 2, 3578.	2.9	14
413	Photoâ€Induced Functionalization of Spherical and Planar Surfaces via Caged Thioaldehyde Endâ€Functional Polymers. Advanced Functional Materials, 2014, 24, 5649-5661.	7.8	25
414	Fluorescent polymers from non-fluorescent photoreactive monomers. Chemical Communications, 2014, 50, 15681-15684.	2.2	34

#	Article	IF	Citations
415	Stability of star-shaped RAFT polystyrenes under mechanical and thermal stress. Polymer Chemistry, 2014, 5, 5009-5019.	1.9	20
416	Amphiphilic block copolymers featuring a reversible hetero Diels-Alder linkage. Polymer Chemistry, 2014, 5, 5330-5338.	1.9	33
417	Stateâ€ofâ€theâ€Art Analytical Methods for Assessing Dynamic Bonding Soft Matter Materials. Advanced Materials, 2014, 26, 5758-5785.	11.1	26
418	A Novel Photoresponsive Azobenzene-Containing Miktoarm Star Polymer: Self-Assembly and Photoresponse Properties. Macromolecules, 2014, 47, 3693-3700.	2.2	86
419	Temperature Responsive Cellulose-graft-Copolymers via Cellulose Functionalization in an Ionic Liquid and RAFT Polymerization. Biomacromolecules, 2014, 15, 2563-2572.	2.6	79
420	Ambient temperature catalyst-free light-induced preparation of macrocyclic aliphatic polyesters. Chemical Communications, 2014, 50, 2024.	2.2	37
421	Singleâ€Chain Selfâ€Folding of Synthetic Polymers Induced by Metalâ€“Ligand Complexation. Macromolecular Rapid Communications, 2014, 35, 45-51.	2.0	53
422	Reversible single-chain selective point folding via cyclodextrin driven hostâ€“guest chemistry in water. Chemical Communications, 2014, 50, 7056.	2.2	55
423	Photochemical Design of Functional Fluorescent Single-Chain Nanoparticles. ACS Macro Letters, 2014, 3, 574-579.	2.3	87
424	Light-induced modification of silver nanoparticles with functional polymers. Chemical Communications, 2014, 50, 4430-4433.	2.2	18
425	Single-Chain Folding of Diblock Copolymers Driven by Orthogonal H-Donor and Acceptor Units. Macromolecules, 2014, 47, 5877-5888.	2.2	54
426	Nitroneâ€Mediated Radical Coupling of Polymers Derived from Reverse Iodineâ€Transfer Polymerization. Macromolecular Chemistry and Physics, 2014, 215, 1991-2000.	1.1	3
427	Temperature-dependent size exclusion chromatography for the in situ investigation of dynamic bonding/debonding reactions. Analytical and Bioanalytical Chemistry, 2013, 405, 8981-8993.	1.9	12
428	Fast and catalyst-free hetero-Dielsâ€“Alder chemistry for on demand cyclable bonding/debonding materials. Polymer Chemistry, 2013, 4, 4348.	1.9	64
429	A facile avenue to conductive polymer brushes via cyclopentadieneâ€“maleimide Dielsâ€“Alder ligation. Chemical Communications, 2013, 49, 8623.	2.2	33
430	Photo-Induced Ligation of Acrylonitrile-Butadiene Rubber: Selective Tetrazoleâ€“Ene Coupling of Chain-End-Functionalized Copolymers of 1,3-Butadiene. Macromolecules, 2013, 46, 5915-5923.	2.2	27
431	Controlled Cell Adhesion on Poly(dopamine) Interfaces Photopatterned with Nonâ€Fouling Brushes. Advanced Materials, 2013, 25, 6123-6127.	11.1	180
432	Hetero Dielsâ€“Alder Chemistry for the Functionalization of Singleâ€Walled Carbon Nanotubes with Cyclopentadienyl Endâ€Capped Polymer Strands. Macromolecular Rapid Communications, 2013, 34, 672-680.	2.0	24

#	Article	IF	Citations
433	Light induced DNAâ€“protein conjugation. Chemical Communications, 2013, 49, 8626.	2.2	13
434	Controlled growth of protein resistant PHEMA brushes via S-RAFT polymerization. Journal of Materials Chemistry B, 2013, 1, 6027.	2.9	51
435	Threeâ€Dimensional Microscaffolds Exhibiting Spatially Resolved Surface Chemistry. Advanced Materials, 2013, 25, 6117-6122.	11.1	68
436	Lightâ€Induced Modular Ligation of Conventional RAFT Polymers. Angewandte Chemie - International Edition, 2013, 52, 762-766.	7.2	96
437	Modular ambient temperature functionalization of carbon nanotubes with stimuli-responsive polymer strands. Polymer Chemistry, 2013, 4, 1525-1537.	1.9	29
438	Consecutive modular ligation as an access route to palladium containing polymers. Polymer Chemistry, 2013, 4, 5456.	1.9	26
439	RAFT-based Polystyrene and Polyacrylate Melts under Thermal and Mechanical Stress. Macromolecules, 2013, 46, 8079-8091.	2.2	29
440	Spatially Controlled Photochemical Peptide and Polymer Conjugation on Biosurfaces. Biomacromolecules, 2013, 14, 4340-4350.	2.6	46
441	Macromolecules made to order. Nature Chemistry, 2013, 5, 990-992.	6.6	24
442	Determining the Markâ€“Houwink parameters of nitrile rubber: a chromatographic investigation of the NBR microstructure. Polymer Chemistry, 2013, 4, 4755.	1.9	9
443	Visual recognition of supramolecular graft polymer formation via phenolphthaleinâ€“cyclodextrin association. Polymer, 2013, 54, 5141-5147.	1.8	34
444	Spatially controlled surface immobilization of nucleophiles via trapping of photo-generated thioaldehydes. Chemical Science, 2013, 4, 3503.	3.7	45
445	Synthesis of polymers with phosphorus containing side chains via modular conjugation. Polymer Chemistry, 2013, 4, 2406.	1.9	8
446	Access to Intrinsically Glucosideâ€Based Microspheres with Boron Affinity. Macromolecular Rapid Communications, 2013, 34, 916-921.	2.0	4
447	Polymer surface patterningvia Dielsâ€“Alder trapping of photo-generated thioaldehydes. Chemical Communications, 2013, 49, 633-635.	2.2	48
448	Global Trends for k_p? Expanding the Frontier of Ester Side Chain Topography in Acrylates and Methacrylates. Macromolecules, 2013, 46, 15-28.	2.2	49
449	Transfer Reactions in Phenyl Carbamate Ethyl Acrylate Polymerizations. Macromolecular Chemistry and Physics, 2013, 214, 236-245.	1.1	4
450	Facile Preparation of Supramolecular H-Shaped (Ter)polymers via Multiple Hydrogen Bonding. ACS Macro Letters, 2013, 2, 211-216.	2.3	28

#	Article	IF	Citations
451	Preparation of Reactive Threeâ€Dimensional Microstructures via Direct Laser Writing and Thiolâ€ene Chemistry. Macromolecular Rapid Communications, 2013, 34, 335-340.	2.0	69
452	Conducting Polymer/SWCNTs Modular Hybrid Materials via Dielsâ€“Alder Ligation. Macromolecules, 2013, 46, 2606-2615.	2.2	35
453	Dielsâ€“Alder reactions for carbon material synthesis and surface functionalization. Polymer Chemistry, 2013, 4, 4072.	1.9	70
454	UV Light and Temperature Responsive Supramolecular ABA Triblock Copolymers via Reversible Cyclodextrin Complexation. Macromolecules, 2013, 46, 1054-1065.	2.2	72
455	Harnessing entropy to direct the bonding/debonding of polymer systems based on reversible chemistry. Chemical Science, 2013, 4, 2752.	3.7	49
456	A facile one-pot route to poly(carboxybetaine acrylamide) functionalized SWCNTs. Chemical Communications, 2013, 49, 6734.	2.2	17
457	Dual thermo- and photo-responsive micelles based on miktoarm star polymers. Polymer Chemistry, 2013, 4, 4506.	1.9	56
458	A Mild and Efficient Approach to Functional Single-Chain Polymeric Nanoparticles via Photoinduced Dielsâ€“Alder Ligation. Macromolecules, 2013, 46, 8092-8101.	2.2	109
459	Mild and Efficient Modular Synthesis of Poly(acrylonitrile-co-butadiene) Block and Miktoarm Star Copolymer Architectures. Macromolecules, 2013, 46, 49-62.	2.2	31
460	Grafting Efficiency of Synthetic Polymers onto Biomaterials: A Comparative Study of Grafting-from versus Grafting-to. Biomacromolecules, 2013, 14, 64-74.	2.6	137
461	Mechanistic Insights into the UV-Induced Radical Copolymerization of 1,3-Butadiene with Acrylonitrile. Macromolecules, 2013, 46, 2109-2117.	2.2	4
462	Photo-Sensitive RAFT-Agents for Advanced Microparticle Design. Macromolecules, 2013, 46, 6858-6872.	2.2	37
463	Investigating Cu(0)â€Mediated Polymerizations: New Kinetic Insights Based on a Comparison of Kinetic Modeling with Experimental Data. Macromolecular Reaction Engineering, 2013, 7, 8-23.	0.9	20
464	Enhanced Spin Capturing Polymerization of Ethylene. Macromolecules, 2013, 46, 29-36.	2.2	13
465	Postâ€Functionalization of Polymers via Orthogonal Ligation Chemistry. Macromolecular Rapid Communications, 2013, 34, 810-849.	2.0	180
466	Limitations of cyclodextrinâ€mediated RAFT homopolymerization and block copolymer formation. Journal of Polymer Science Part A, 2013, 51, 2504-2517.	2.5	16
467	Biomimetic Dopamineâ€Dielsâ€“Alder Switches. Macromolecular Rapid Communications, 2013, 34, 640-644.	2.0	33
468	Spatially Controlled Surface Immobilization of Nonmodified Peptides. Angewandte Chemie - International Edition, 2013, 52, 9714-9718.	7.2	30

#	Article	IF	Citations
469	Modulation of the Thermoresponsive Behavior of Poly(N,Nâ€diethylacrylamide) via Cyclodextrin Host/Guest Interactions. Macromolecular Rapid Communications, 2013, 34, 1306-1311.	2.0	42
470	Photochemical Generation of Light Responsive Surfaces. Advanced Functional Materials, 2013, 23, 4011-4019.	7.8	58
471	Supramolecular three-armed star polymers via cyclodextrin hostâ€“guest self-assembly. Polymer Chemistry, 2012, 3, 3139.	1.9	74
472	Elucidation of Reaction Mechanisms and Polymer Structure: Living/Controlled Radical Polymerization. , 2012, , 373-403.		14
473	International Biannual Belgian Polymer Group Award: C. Barnerâ€Kowollik / Election to the Bavarian Academy of Science and Humanities: H.â€U. Reissig / Civic Medal First Class and Honorary Doctorate: G. Bringmann. Angewandte Chemie - International Edition, 2012, 51, 10700-10700.	7.2	0
474	Selective dispersion of single-walled carbon nanotubes via easily accessible conjugated click polymers. Polymer Chemistry, 2012, 3, 1966.	1.9	29
475	Elucidating the Early Steps in Photoinitiated Radical Polymerization via Femtosecond Pumpâ€“Probe Experiments and DFT Calculations. Macromolecules, 2012, 45, 2257-2266.	2.2	37
476	A new approach for modular polymerâ€“polymer conjugations via Heck coupling. Chemical Science, 2012, 3, 2607.	3.7	37
477	Copolymers of 2-hydroxyethylacrylate and 2-methoxyethyl acrylate by nitroxide mediated polymerization: kinetics, SEC-ESI-MS analysis and thermoresponsive properties. Polymer Chemistry, 2012, 3, 335-342.	1.9	37
478	UV-Triggered End Group Conversion of Photo-Initiated Poly(methyl methacrylate). Macromolecules, 2012, 45, 5850-5858.	2.2	8
479	Acrylamide-Based Copolymers Bearing Photoreleasable Thiols for Subsequent Thiolâ€“Ene Functionalization. Macromolecules, 2012, 45, 1792-1802.	2.2	62
480	Multi-Block Polyurethanes via RAFT End-Group Switching and Their Characterization by Advanced Hyphenated Techniques. Macromolecules, 2012, 45, 6353-6362.	2.2	17
481	Photo-Induced Macromolecular Functionalization of Cellulose via Nitroxide Spin Trapping. Biomacromolecules, 2012, 13, 1700-1705.	2.6	25
482	Highly Orthogonal Functionalization of ADMET Polymers via Photo-Induced Dielsâ€“Alder Reactions. Macromolecules, 2012, 45, 5012-5019.	2.2	58
483	Miktoarm star polymers via cyclodextrin-driven supramolecular self-assembly. Polymer Chemistry, 2012, 3, 3064.	1.9	60
484	Modular design of glyco-microspheres via mild pericyclic reactions and their quantitative analysis. Polymer Chemistry, 2012, 3, 2605.	1.9	26
485	Constructing star polymersvia modular ligation strategies. Polymer Chemistry, 2012, 3, 34-45.	1.9	138
486	(Bio)Molecular Surface Patterning by Phototriggered Oxime Ligation. Angewandte Chemie - International Edition, 2012, 51, 9181-9184.	7.2	106

#	Article	IF	Citations
487	Singleâ€pulse pulsed laser polymerizationâ€“electron paramagnetic resonance investigations into the termination kinetics of nâ€butyl acrylate macromonomers. Journal of Polymer Science Part A, 2012, 50, 4740-4748.	2.5	16
488	Ambient temperature polymer modification by in situ phototriggered deprotection and thiolâ€“ene chemistry. Polymer Chemistry, 2012, 3, 1740-1749.	1.9	57
489	Visualization of poly(methyl methacrylate) (PMMA) grafts on cellulose via high-resolution FT-IR microscopy imaging. Polymer Chemistry, 2012, 3, 307-309.	1.9	22
490	Bioinspired dual self-folding of single polymer chains via reversible hydrogen bonding. Polymer Chemistry, 2012, 3, 640-651.	1.9	111
491	Auto-catalysed crosslinking for next-generation OLED-design. Journal of Materials Chemistry, 2012, 22, 20786.	6.7	56
492	In-Depth LCCC-(GELC)-SEC Characterization of ABA Block Copolymers Generated by a Mechanistic Switch from RAFT to ROP. Macromolecules, 2012, 45, 87-99.	2.2	35
493	Palladium-containing polymers via a combination of RAFT and triazole chemistry. Polymer Chemistry, 2012, 3, 2413.	1.9	14
494	Chemical approaches to synthetic polymer surface biofunctionalization for targeted cell adhesion using small binding motifs. Soft Matter, 2012, 8, 7323-7347.	1.2	64
495	Thermally reversible Dielsâ€“Alder-based polymerization: an experimental and theoretical assessment. Polymer Chemistry, 2012, 3, 628-639.	1.9	50
496	Radical addition fragmentation chain transfer (RAFT) polymerization of ferrocenyl (Meth)acrylates. Journal of Polymer Science Part A, 2012, 50, 108-118.	2.5	27
497	A Detailed investigation of the experimental conditions for the reversible addition fragmentation chain transferâ€mediated copolymerization of acrylonitrile and butadiene. Journal of Polymer Science Part A, 2012, 50, 174-180.	2.5	24
498	A detailed surface analytical study of degradation processes in (meth)acrylic polymers. Journal of Polymer Science Part A, 2012, 50, 1801-1811.	2.5	22
499	Transformation of macromonomers into ringâ€opening polymerization macroinitiators: A detailed initiation efficiency study. Journal of Polymer Science Part A, 2012, 50, 2366-2377.	2.5	5
500	A qualitative and quantitative postâ€mortem analysis: Studying freeâ€radical initiation processes via soft ionization mass spectrometry. Journal of Polymer Science Part A, 2012, 50, 2739-2757.	2.5	22
501	New methods of polymer synthesis. Polymer Chemistry, 2012, 3, 1677.	1.9	13
502	Thermally responsive coreâ€“shell microparticles and cross-linked networks based on nitrone chemistry. Polymer Chemistry, 2012, 3, 2266-2276.	1.9	13
503	High molecular weight acrylonitrileâ€“butadiene architectures via a combination of RAFT polymerization and orthogonal copper mediated azideâ€“alkyne cycloaddition. Polymer Chemistry, 2012, 3, 1048.	1.9	25
504	Enhanced Spin-capturing Polymerization and Radical Coupling Mediated by Cyclic Nitrones. Australian Journal of Chemistry, 2012, 65, 1110.	0.5	14

#	Article	IF	Citations
505	Synthesis of star and H-shape polymersvia a combination of cobalt-mediated radical polymerization and nitrone-mediated radical coupling reactions. Polymer Chemistry, 2012, 3, 135-147.	1.9	40
506	Combining Modular Ligation and Supramolecular Selfâ€Assembly for the Construction of Starâ€Shaped Macromolecules. Macromolecular Rapid Communications, 2012, 33, 977-983.	2.0	19
507	Single Chain Folding of Synthetic Polymers by Covalent and Nonâ€Covalent Interactions: Current Status and Future Perspectives. Macromolecular Rapid Communications, 2012, 33, 958-971.	2.0	240
508	Thioketoneâ€Mediated Polymerization with Dithiobenzoates: Proof for the Existence of Stable Radical Intermediates in RAFT Polymerization. Macromolecular Rapid Communications, 2012, 33, 984-990.	2.0	21
509	A Facile Route to Boronic Acid Functional Polymeric Microspheres via Epoxide Ring Opening. Macromolecular Rapid Communications, 2012, 33, 1108-1113.	2.0	15
510	(Ultra)Fast Catalyst-Free Macromolecular Conjugation in Aqueous Environment at Ambient Temperature. Journal of the American Chemical Society, 2012, 134, 7274-7277.	6.6	60
511	Modular Ligation of Thioamide Functional Peptides onto Solid Cellulose Substrates. Advanced Functional Materials, 2012, 22, 3853-3864.	7.8	46
512	Orthogonal ligation to spherical polymeric microparticles: Modular approaches for surface tailoring. Progress in Polymer Science, 2012, 37, 975-984.	11.8	44
513	Interpolymer radical coupling: A toolbox complementary to controlled radical polymerization. Progress in Polymer Science, 2012, 37, 1004-1030.	11.8	66
514	Current Trends in the Field of Selfâ€Healing Materials. Macromolecular Chemistry and Physics, 2012, 213, 131-143.	1.1	256
515	Switchable Macromolecular Systems â€“ From Dynamic Chemistry to Selfâ€Healing. Macromolecular Chemistry and Physics, 2012, 213, 129-130.	1.1	2
516	Quantifying Photoinitiation Efficiencies in a Multiphotoinitiated Freeâ€Radical Polymerization. Macromolecular Rapid Communications, 2012, 33, 47-53.	2.0	23
517	Photoclickable Surfaces for Profluorescent Covalent Polymer Coatings. Advanced Functional Materials, 2012, 22, 304-312.	7.8	133
518	Adding Spatial Control to Click Chemistry: Phototriggered Dielsâ€“Alder Surface (Bio)functionalization at Ambient Temperature. Angewandte Chemie - International Edition, 2012, 51, 1071-1074.	7.2	170
519	Quantitative Comparison of the Mesitoyl vs the Benzoyl Fragment in Photoinitiation: A Question of Origin. Macromolecules, 2011, 44, 2542-2551.	2.2	26
520	Cyclodextrin-Complexed RAFT Agents for the Ambient Temperature Aqueous Living/Controlled Radical Polymerization of Acrylamido Monomers. Macromolecules, 2011, 44, 7220-7232.	2.2	46
521	Postpolymerization Modification of Hydroxyl-Functionalized Polymers with Isocyanates. Macromolecules, 2011, 44, 4828-4835.	2.2	73
522	Selective Dispersion of Single-Walled Carbon Nanotubes with Specific Chiral Indices by Poly(N-decyl-2,7-carbazole). Journal of the American Chemical Society, 2011, 133, 652-655.	6.6	135

#	Article	IF	Citations
523	High temperature synthesis of vinyl terminated polymers based on dendronized acrylates: a detailed product analysis study. Polymer Chemistry, 2011, 2, 1163-1173.	1.9	16
524	Star and miktoarm star block (co)polymers viaself-assembly of ATRP generated polymer segments featuring Hamilton wedge and cyanuric acid binding motifs. Polymer Chemistry, 2011, 2, 1146-1155.	1.9	51
525	Photoinduced Conjugation of Dithioester- and Trithiocarbonate-Functional RAFT Polymers with Alkenes. Macromolecules, 2011, 44, 166-174.	2.2	46
526	Formation of nanoporous materials via mild retro-Dielsâ€“Alder chemistry. Polymer Chemistry, 2011, 2, 83-87.	1.9	47
527	Visualizing the efficiency of rapid modular block copolymer construction. Polymer Chemistry, 2011, 2, 126-136.	1.9	17
528	Nitrones in synthetic polymer chemistry. Polymer Chemistry, 2011, 2, 1008-1017.	1.9	54
529	One-Step Functionalization of Single-Walled Carbon Nanotubes (SWCNTs) with Cyclopentadienyl-Capped Macromolecules via Dielsâ^'Alder Chemistry. Macromolecules, 2011, 44, 3374-3380.	2.2	76
530	One-pot synthesis of cyclopentadienyl endcapped poly(2-ethyl-2-oxazoline) and subsequent ambient temperature Dielsâ€“Alder conjugations. Chemical Communications, 2011, 47, 10620.	2.2	30
531	Ambient Temperature Synthesis of Triblock Copolymers via Orthogonal Photochemically and Thermally Induced Modular Conjugation. Macromolecules, 2011, 44, 4681-4689.	2.2	69
532	A Detailed Investigation of the Free Radical Copolymerization Behavior of n-Butyl Acrylate Macromonomers. Macromolecules, 2011, 44, 6691-6700.	2.2	14
533	Nitrone-mediated radical coupling reactions: a new synthetic tool exemplified on dendrimer synthesis. Chemical Communications, 2011, 47, 5491-5493.	2.2	27
534	Mild and Modular Surface Modification of Cellulose via Hetero Dielsâ^'Alder (HDA) Cycloaddition. Biomacromolecules, 2011, 12, 1137-1145.	2.6	70
535	An efficient avenue to poly(styrene)â€blockâ€poly(Îµâ€caprolactone) polymers via switching from RAFT to hydroxyl functionality: Synthesis and characterization. Journal of Polymer Science Part A, 2011, 49, 1-10.	2.5	26
536	Degradation of poly(butyl methacrylate) model compounds studied via highâ€resolution electrospray ionization mass spectrometry. Journal of Polymer Science Part A, 2011, 49, 848-861.	2.5	12
537	Block copolymers via macromercaptan initiated ring opening polymerization. Journal of Polymer Science Part A, 2011, 49, 803-813.	2.5	19
538	Kinetic and mechanistic similarities between reversible addition fragmentation chain transfer intermediate and acrylate midchain radicals. Journal of Polymer Science Part A, 2011, 49, 1293-1297.	2.5	21
539	Embedding multiple siteâ€specific functionalities into polymer chains via nitroneâ€mediated radical coupling reactions. Journal of Polymer Science Part A, 2011, 49, 2118-2126.	2.5	32
540	Single chain selfâ€assembly of wellâ€defined heterotelechelic polymers generated by ATRP and click chemistry revisited. Journal of Polymer Science Part A, 2011, 49, 2566-2576.	2.5	50

#	Article	IF	Citations
541	Formation of triblock copolymers via a tandem enhanced spin capturingâ€"nitroxideâ€•mediated polymerization reaction sequence. Journal of Polymer Science Part A, 2011, 49, 4841-4850.	2.5	23
542	Modeling the Effects of Reactor Backmixing on RAFT Polymerization. Macromolecular Reaction Engineering, 2011, 5, 55-68.	0.9	18
543	An Access Route to Polyferrocenes via Modular Conjugation. Macromolecular Chemistry and Physics, 2011, 212, 831-839.	1.1	22
544	RAFT Mediated Polymerization of Methyl Methacrylate Initiated by Bergman Cyclization: Access to High Molecular Weight Narrow Polydispersity Polymers. Macromolecular Rapid Communications, 2011, 32, 444-450.	2.0	10
545	Dielsâ€"Alder Reactions as an Efficient Route to High Purity Cyclic Polymers. Macromolecular Rapid Communications, 2011, 32, 724-728.	2.0	87
546	Rapid UV Lightâ€Triggered Macromolecular Click Conjugations via the Use of oâ€Quinodimethanes. Macromolecular Rapid Communications, 2011, 32, 807-812.	2.0	102
547	Low Temperature Aqueous Living/Controlled (RAFT) Polymerization of Carboxybetaine Methacrylamide up to High Molecular Weights. Macromolecular Rapid Communications, 2011, 32, 958-965.	2.0	52
548	Synthesis of Cyclopentadienyl Capped Polyethylene and Subsequent Block Copolymer Formation Via Hetero Dielsâ€Alder (HDA) Chemistry. Macromolecular Rapid Communications, 2011, 32, 1447-1453.	2.0	26
549	Revealing Model Dependencies in â€œAssessing the RAFT Equilibrium Constant via Model Systems: An EPR Studyâ€• Macromolecular Rapid Communications, 2011, 32, 1891-1898.	2.0	20
550	The Influence of a Potential Diffusion Control on the Outcome of Modular Polymer-Polymer Click Conjugations. Macromolecular Theory and Simulations, 2011, 20, 700-708.	0.6	9
551	Dynamic Covalent Chemistry on Surfaces Employing Highly Reactive Cyclopentadienyl Moieties. Advanced Materials, 2011, 23, 4435-4439.	11.1	42
552	â€œClickingâ€•Polymers or Just Efficient Linking: What Is the Difference?. Angewandte Chemie - International Edition, 2011, 50, 60-62.	7.2	583
553	Living characteristics of the free-radical ring-closing polymerization of diallyldimethylammonium chloride. European Polymer Journal, 2011, 47, 111-114.	2.6	16
554	Quantification of Grafting Densities Achieved via Modular â€œGraftingâ€toâ€•Approaches onto Divinylbenzene Microspheres. Advanced Functional Materials, 2010, 20, 2010-2020.	7.8	46
555	Reversible Dielsâ€Alder Chemistry as a Modular Polymeric Color Switch. Advanced Materials, 2010, 22, 2788-2791.	11.1	53
556	Markâ€"Houwink Parameters for the Universal Calibration of Acrylate, Methacrylate and Vinyl Acetate Polymers Determined by Online Sizeâ€Exclusion Chromatographyâ€"Mass Spectrometry. Macromolecular Chemistry and Physics, 2010, 211, 520-528.	1.1	60
557	A Perfect Couple: PLP/SEC/ESIâ€•MS for the Accurate Determination of Propagation Rate Coefficients in Free Radical Polymerization. Macromolecular Chemistry and Physics, 2010, 211, 80-90.	1.1	22
558	Degradation of Poly(methyl methacrylate) Model Compounds Under Extreme Environmental Conditions. Macromolecular Chemistry and Physics, 2010, 211, 1083-1097.	1.1	31

#	Article	IF	Citations
559	Contemporary Mass Spectrometry and the Analysis of Synthetic Polymers: Trends, Techniques and Untapped Potential. Macromolecular Chemistry and Physics, 2010, 211, 1507-1529.	1.1	43
560	Degradation of Poly(butyl acrylate) and Poly(2â€hydroxyethyl methacrylate) Model Compounds Under Extreme Environmental Conditions. Macromolecular Chemistry and Physics, 2010, 211, 2034-2052.	1.1	16
561	Ultra Rapid Approaches to Mild Macromolecular Conjugation. Macromolecular Rapid Communications, 2010, 31, 1247-1266.	2.0	81
562	Functionalization of Fullerenes with Cyclopentadienyl and Anthracenyl Capped Polymeric Building Blocks via Dielsâ€“Alder Chemistry. Macromolecular Rapid Communications, 2010, 31, 1298-1305.	2.0	35
563	Acrylonitrileâ€Butadiene Rubber (NBR) Prepared via Living/Controlled Radical Polymerization (RAFT). Macromolecular Rapid Communications, 2010, 31, 1616-1621.	2.0	31
564	Neoglycopolymers Based on 4â€Vinylâ€1,2,3â€Triazole Monomers Prepared by Click Chemistry. Macromolecular Bioscience, 2010, 10, 119-126.	2.1	65
565	Poly(ethylene glycol) as a 'green solventâ€™ for the RAFT polymerization of methyl methacrylate. Polymer, 2010, 51, 3836-3842.	1.8	30
566	Control of methyl methacrylate radical polymerization via Enhanced Spin Capturing Polymerization (ESCP). Polymer, 2010, 51, 3821-3825.	1.8	20
567	Synthesis of water-soluble homo- and block-copolymers by RAFT polymerization under Î³-irradiation in aqueous media. Polymer, 2010, 51, 4319-4328.	1.8	40
568	Limitations of radical thiolâ€ene reactions for polymerâ€“polymer conjugation. Journal of Polymer Science Part A, 2010, 48, 1699-1713.	2.5	235
569	Synthesis of comb polymers via graftingâ€onto macromolecules bearing pendant diene groups via the heteroâ€Dielsâ€Alderâ€RAFT click concept. Journal of Polymer Science Part A, 2010, 48, 1773-1781.	2.5	47
570	Well-defined star shaped polymer-fullerene hybrids via click chemistry. Soft Matter, 2010, 6, 82-84.	1.2	47
571	Detailed investigation of the propagation rate of urethane acrylates. Polymer Chemistry, 2010, 1, 470-479.	1.9	22
572	Determination of the propagation rate coefficient of acrylonitrile. Polymer Chemistry, 2010, 1, 438-441.	1.9	22
573	Facile conversion of RAFT polymers into hydroxyl functional polymers: a detailed investigation of variable monomer and RAFT agent combinations. Polymer Chemistry, 2010, 1, 634.	1.9	76
574	Accessing Quantitative Degrees of Functionalization on Solid Substrates via Solid-State NMR Spectroscopy. Macromolecules, 2010, 43, 3868-3875.	2.2	33
575	Reducing the Degree of Branching in Polyacrylates via Midchain Radical Patching: A Quantitative Melt-State NMR Study. Macromolecules, 2010, 43, 5492-5495.	2.2	40
576	Ambient Temperature Synthesis of a Versatile Macromolecular Building Block: Cyclopentadienyl-Capped Polymers. Macromolecules, 2010, 43, 33-36.	2.2	63

#	Article	IF	Citations
577	Mixed, Multicompartment, or Janus Micelles? A Systematic Study of Thermoresponsive Bis-Hydrophilic Block Terpolymers. Langmuir, 2010, 26, 12237-12246.	1.6	82
578	Rapid Bonding/Debonding on Demand: Reversibly Cross-Linked Functional Polymers via Dielsâ^'Alder Chemistry. Macromolecules, 2010, 43, 5515-5520.	2.2	134
579	Mass spectrometry in polymer chemistry: a state-of-the-art up-date. Polymer Chemistry, 2010, 1, 599.	1.9	215
580	Spin capturing with nitrones: radical coupling reactions with concurrent introduction of mid-chain functionality. Chemical Communications, 2010, 46, 1959-1961.	2.2	41
581	Spin Capturing with â€œClickableâ€•Nitrones: Generation of Miktoarmed Star Polymers. Macromolecules, 2010, 43, 3785-3793.	2.2	46
582	Determination of Propagation Rate Coefficients for Methyl and 2-Ethylhexyl Acrylate via High Frequency PLPâ^'SEC under Consideration of the Impact of Chain Branching. Macromolecules, 2010, 43, 10427-10434.	2.2	49
583	Single chain self-assembly: preparation of Î±,Ï‰-donorâ€“acceptor chains via living radical polymerization and orthogonal conjugation. Chemical Communications, 2010, 46, 6291.	2.2	75
584	Orthogonal Transformations on Solid Substrates: Efficient Avenues to Surface Modification. Advanced Materials, 2009, 21, 3442-3468.	11.1	138
585	Has Click Chemistry Lead to a Paradigm Shift in Polymer Material Design?. Macromolecular Chemistry and Physics, 2009, 210, 987-992.	1.1	130
586	Design of Experiment (DoE) as a Tool for the Optimization of Source Conditions in SECâ€ESIâ€MS of Functional Synthetic Polymers Synthesized via ATRP. Macromolecular Rapid Communications, 2009, 30, 589-597.	2.0	48
587	On the Quantitative Click Conjugation of Molecular Weight Distributions: What Can Theoretically Be Expected?. Macromolecular Rapid Communications, 2009, 30, 1625-1631.	2.0	34
588	Ultraâ€Fast RAFTâ€HDA Click Conjugation: An Efficient Route to High Molecular Weight Block Copolymers. Macromolecular Rapid Communications, 2009, 30, 1792-1798.	2.0	64
589	Synthesis of a Macromonomer Library from Highâ€Temperature Acrylate Polymerization. Macromolecular Rapid Communications, 2009, 30, 2028-2035.	2.0	45
590	Acrylate Free Radical Polymerization: From Mechanism to Polymer Design. Macromolecular Rapid Communications, 2009, 30, 1961-1963.	2.0	20
591	Optimum Reaction Conditions for the Synthesis of Macromonomers Via the Highâ€Temperature Polymerization of Acrylates. Macromolecular Theory and Simulations, 2009, 18, 421-433.	0.6	38
592	Modeling for Polymer Design. Macromolecular Theory and Simulations, 2009, 18, 384-386.	0.6	1
593	Macromol. Theory Simul. 7â€8/2009. Macromolecular Theory and Simulations, 2009, 18, .	0.6	0
594	Macromol. Theory Simul. 7â€8/2009. Macromolecular Theory and Simulations, 2009, 18, .	0.6	0

#	Article	IF	Citations
595	Ultrafast Click Conjugation of Macromolecular Building Blocks at Ambient Temperature. Angewandte Chemie - International Edition, 2009, 48, 2411-2414.	7.2	213
596	Radical Polymerization: Reversing the Irreversible?. Angewandte Chemie - International Edition, 2009, 48, 9222-9224.	7.2	3
597	The kinetics of enhanced spin capturing polymerization: Influence of the nitrone structure. Journal of Polymer Science Part A, 2009, 47, 1098-1107.	2.5	35
598	Studying the mechanism of thioketoneâ€mediated polymerization via electrospray ionization mass spectrometry. Journal of Polymer Science Part A, 2009, 47, 1864-1876.	2.5	25
599	Efficient access to multiâ€arm star block copolymers by a combination of ATRP and RAFTâ€HDA click chemistry. Journal of Polymer Science Part A, 2009, 47, 2207-2213.	2.5	56
600	Strongly electron deficient sulfonyldithioformate based RAFT agents for hetero Dielsâ€Alder conjugation: Computational design and experimental evaluation. Journal of Polymer Science Part A, 2009, 47, 6053-6071.	2.5	48
601	Propagation rate coefficients of isobornyl acrylate, tertâ€butyl acrylate and 1â€ethoxyethyl acrylate: A high frequency PLPâ€SEC study. Journal of Polymer Science Part A, 2009, 47, 6641-6654.	2.5	51
602	Efficient and mild modification of Si surfaces via orthogonal hetero Dielsâ€Alder chemistry. Journal of Polymer Science Part A, 2009, 47, 7090-7095.	2.5	41
603	RAFT-mediated polymerization and grafting of sodium 4-styrenesulfonate from cellulose initiated via Î³-radiation. Polymer, 2009, 50, 973-982.	1.8	115
604	ATRP poly(acrylate) star formation: A comparative study between MALDI and ESI mass spectrometry. Polymer, 2009, 50, 1986-2000.	1.8	27
605	The incorporation of metal cations into polymer backbones: An important consideration in the interpretation of ESI-MS spectra. Polymer, 2009, 50, 5175-5180.	1.8	11
606	Chain-length-dependent termination in radical polymerization: Subtle revolution in tackling a long-standing challenge. Progress in Polymer Science, 2009, 34, 1211-1259.	11.8	183
607	Continuous ATRP Synthesis of Blockâ€Like Copolymers via Column Reactors: Design and Validation of a Kinetic Model. Macromolecular Reaction Engineering, 2009, 3, 529-538.	0.9	21
608	Amphiphilic block copolymers based on cyclodextrin hostâ€“guest complexes via RAFT-polymerization in aqueous solution. Chemical Communications, 2009, , 1097.	2.2	30
609	Quantifying the Efficiency of Photoinitiation Processes in Methyl Methacrylate Free Radical Polymerization via Electrospray Ionization Mass Spectrometry. Macromolecules, 2009, 42, 1488-1493.	2.2	38
610	Formation Efficiency of ABA Blockcopolymers via Enhanced Spin Capturing Polymerization (ESCP): Locating the Alkoxyamine Function. Macromolecules, 2009, 42, 5027-5035.	2.2	35
611	Surface Modification of Poly(divinylbenzene) Microspheres via Thiolâ^'Ene Chemistry and Alkyneâ^'Azide Click Reactions. Macromolecules, 2009, 42, 3707-3714.	2.2	192
612	Fast and Accurate Determination of Absolute Individual Molecular Weight Distributions from Mixtures of Polymers via Size Exclusion Chromatographyâ^'Electrospray Ionization Mass Spectrometry. Macromolecules, 2009, 42, 6366-6374.	2.2	52

#	Article	IF	Citations
613	Quantitative Product Spectrum Analysis of Poly(butyl acrylate) via Electrospray Ionization Mass Spectrometry. Macromolecules, 2009, 42, 62-69.	2.2	59
614	Determination of vinyl acetate propagation rate coefficients via high frequency pulsed laser polymerization. E-Polymers, 2009, 9, .	1.3	6
615	A Novel One-Pot Procedure for the Fast and Efficient Conversion of RAFT Polymers into Hydroxy-Functional Polymers. Australian Journal of Chemistry, 2009, 62, 806.	0.5	45
616	Vibrant Macromolecular Science at the 30th Australasian Polymer Symposium. Australian Journal of Chemistry, 2009, 62, 749.	0.5	0
617	Graft block copolymers of propargyl methacrylate and vinyl acetate via a combination of RAFT/MADIX and click chemistry: Reaction analysis. Journal of Polymer Science Part A, 2008, 46, 155-173.	2.5	109
618	Living star polymer formation (RAFT) studied via electrospray ionization mass spectrometry. Journal of Polymer Science Part A, 2008, 46, 1873-1892.	2.5	29
619	Simultaneous reversible addition fragmentation chain transfer and ringâ€opening polymerization. Journal of Polymer Science Part A, 2008, 46, 3058-3067.	2.5	40
620	Selfâ€directed formation of uniform unsaturated macromolecules from acrylate monomers at high temperatures. Journal of Polymer Science Part A, 2008, 46, 3433-3437.	2.5	50
621	The future of reversible addition fragmentation chain transfer polymerization. Journal of Polymer Science Part A, 2008, 46, 5715-5723.	2.5	265
622	Enhanced spin capturing polymerization: An efficient and versatile protocol for controlling molecular weight distributions. Journal of Polymer Science Part A, 2008, 46, 7273-7279.	2.5	49
623	Degradation of RAFT polymers in a cyclic ether studied via high resolution ESIâ€MS: Implications for synthesis, storage, and endâ€group modification. Journal of Polymer Science Part A, 2008, 46, 7447-7461.	2.5	67
624	The role of midâ€chain radicals in acrylate free radical polymerization: Branching and scission. Journal of Polymer Science Part A, 2008, 46, 7585-7605.	2.5	201
625	Acidâ€Degradable Coreâ€Crosslinked Micelles Prepared from Thermosensitive Glycopolymers Synthesized via RAFT Polymerization. Macromolecular Rapid Communications, 2008, 29, 123-129.	2.0	138
626	Laser Induced Marking of Polymer Chains with Radical Spin Traps. Macromolecular Rapid Communications, 2008, 29, 503-510.	2.0	9
627	Access to Threeâ€Arm Star Block Copolymers by a Consecutive Combination of the Copper(<scp>I</scp>)â€Catalyzed Azideâ€“Alkyne Cycloaddition and the RAFT Hetero Dielsâ€“Alder Concept. Macromolecular Rapid Communications, 2008, 29, 1090-1096.	2.0	65
628	Efficient Surface Modification of Divinylbenzene Microspheres via a Combination of RAFT and Hetero Dielsâ€Alder Chemistry. Macromolecular Rapid Communications, 2008, 29, 1431-1437.	2.0	93
629	Macromol. Rapid Commun. 17/2008. Macromolecular Rapid Communications, 2008, 29, NA-NA.	2.0	0
630	Design Criteria for Accurate Measurement of Bimolecular Radical Termination Rate Coefficients via the RAFTâ€CLDâ€T Method. Macromolecular Theory and Simulations, 2008, 17, 460-469.	0.6	14

#	Article	IF	Citations
631	Access to cyclic polystyrenes via a combination of reversible addition fragmentation chain transfer (RAFT) polymerization and click chemistry. Polymer, 2008, 49, 2274-2281.	1.8	114
632	A Study into the Stability of 3,6-Dihydro-2H-thiopyran Rings: Key Linkages in the RAFT Hetero-Dielsâ^'Alder Click Concept. Macromolecules, 2008, 41, 7904-7912.	2.2	53
633	An atom-efficient conjugation approach to well-defined block copolymers using RAFT chemistry and hetero Dielsâ€"Alder cycloaddition. Chemical Communications, 2008, , 2052.	2.2	155
634	Reversible Addition Fragmentation Chain Transfer (RAFT) and Hetero-Dielsâ^'Alder Chemistry as a Convenient Conjugation Tool for Access to Complex Macromolecular Designs. Macromolecules, 2008, 41, 4120-4126.	2.2	168
635	Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization in Undergraduate Polymer Science Lab. Journal of Chemical Education, 2008, 85, 97.	1.1	15
636	Quantitative LCâ^'MS of Polymers: Determining Accurate Molecular Weight Distributions by Combined Size Exclusion Chromatography and Electrospray Mass Spectrometry with Maximum Entropy Data Processing. Analytical Chemistry, 2008, 80, 6915-6927.	3.2	110
637	Pushing the Limit: Pulsed Laser Polymerization of n-Butyl Acrylate at 500 Hz. Macromolecules, 2008, 41, 8971-8973.	2.2	85
638	Grafting thermoresponsive polymers onto honeycomb structured porous films using the RAFT process. Journal of Materials Chemistry, 2008, 18, 4718.	6.7	65
639	Synthesis, Multilayer Film Assembly, and Capsule Formation of Macromolecularly Engineered Acrylic Acid and Styrene Sulfonate Block Copolymers. Langmuir, 2008, 24, 8981-8990.	1.6	30
640	Living Star Polymer Formation: Detailed Assessment of Poly(acrylate) Radical Reaction Pathways via ESI-MS. Macromolecules, 2008, 41, 3023-3041.	2.2	33
641	Enhanced Ionization in Electrospray Ionization Mass Spectrometry of Labile End-Group-Containing Polystyrenes Using Silver(I) Tetrafluoroborate as Doping Salt. Macromolecules, 2008, 41, 1966-1971.	2.2	50
642	Bis-Hydrophilic Block Terpolymers via RAFT Polymerization: Toward Dynamic Micelles with Tunable Corona Properties. Macromolecules, 2008, 41, 8608-8619.	2.2	42
643	Direct Synthesis of Well-Defined Heterotelechelic Polymers for Bioconjugations. Macromolecules, 2008, 41, 5641-5650.	2.2	156
644	Characterization of Oligo(vinyl phosphonate)s by High-Resolution Electrospray Ionization Mass Spectrometry:â€‰ Implications for the Mechanism of Polymerization. Macromolecules, 2008, 41, 1634-1639.	2.2	41
645	Chain Length Dependent Termination Rate Coefficients of Methyl Methacrylate (MMA) in the Gel Regime:Â Accessingkti,iUsing Reversible Addition-Fragmentation Chain Transfer (RAFT) Polymerization. Macromolecules, 2007, 40, 2730-2736.	2.2	56
646	From Fundamentals to Applications: Living Polymer Science at the 29th Australasian Polymer Symposium. Australian Journal of Chemistry, 2007, 60, 697.	0.5	0
647	Chemoâ€enzymatic Synthesis and RAFT Polymerization of 6â€Oâ€Methacryloyl Mannose: A Suitable Glycopolymer for Binding to the Tetrameric Lectin Concanavalin A?. Macromolecular Symposia, 2007, 255, 81-89.	0.4	43
648	Scope for Accessing the Chain Length Dependence of the Termination Rate Coefficient for Disparate Length Radicals in Acrylate Free Radical Polymerization. Macromolecular Symposia, 2007, 248, 82-93.	0.4	8

#	Article	IF	Citations
649	RAFT Chemistry and Huisgen 1,3-Dipolar Cycloaddition: A Route to Block Copolymers of Vinyl Acetate and 6-O-Methacryloyl Mannose?. Australian Journal of Chemistry, 2007, 60, 405.	0.5	80
650	Verification of Controlled Grafting of Styrene from Cellulose via Radiation-Induced RAFT Polymerization. Macromolecules, 2007, 40, 7140-7147.	2.2	176
651	Well-Defined Proteinâ^'Polymer Conjugates via in Situ RAFT Polymerization. Journal of the American Chemical Society, 2007, 129, 7145-7154.	6.6	392
652	Shell-Cross-Linked Micelles Containing Cationic Polymers Synthesized via the RAFT Process:â€‰ Toward a More Biocompatible Gene Delivery System. Biomacromolecules, 2007, 8, 2890-2901.	2.6	105
653	Mapping Free Radical Reactivity:Â A High-Resolution Electrospray Ionizationâ^'Mass Spectrometry Study of Photoinitiation Processes in Methyl Methacrylate Free Radical Polymerization. Macromolecules, 2007, 40, 26-39.	2.2	60
654	Mapping Poly(butyl acrylate) Product Distributions by Mass Spectrometry in a Wide Temperature Range:Â Suppression of Midchain Radical Side Reactions. Macromolecules, 2007, 40, 8906-8912.	2.2	74
655	Mapping Photolysis Product Radical Reactivities via Soft Ionization Mass Spectrometry in Acrylate, Methacrylate, and Itaconate Systems. Macromolecules, 2007, 40, 6820-6833.	2.2	60
656	Controlled/Living Ring-Closing Cyclopolymerization of Diallyldimethylammonium Chloride via the Reversible Addition Fragmentation Chain Transfer Process. Macromolecules, 2007, 40, 3907-3913.	2.2	62
657	Electrospray Ionization Mass Spectrometry Investigation of Reversible Addition Fragmentation Chain Transfer Mediated Acrylate Polymerizations Initiated via60Co Î³-Irradiation:Â Mapping Reaction Pathways. Macromolecules, 2007, 40, 4142-4153.	2.2	44
658	Mapping Formation Pathways and End Group Patterns of Stimuli-Responsive Polymer Systems via High-Resolution Electrospray Ionization Mass Spectrometry. Biomacromolecules, 2007, 8, 2404-2415.	2.6	31
659	Ambient Temperature RAFT Polymerization of Acrylic Acid Initiated with Ultraviolet Radiation in Aqueous Solution. Macromolecules, 2007, 40, 2978-2980.	2.2	109
660	Inâ€…Situ Formation of Proteinâ€“Polymer Conjugates through Reversible Addition Fragmentation Chain Transfer Polymerization. Angewandte Chemie - International Edition, 2007, 46, 3099-3103.	7.2	207
661	Direct Synthesis of Pyridyl Disulfide-Terminated Polymers by RAFT Polymerization. Macromolecular Rapid Communications, 2007, 28, 305-314.	2.0	104
662	Complex Macromolecular Architectures by Reversible Addition Fragmentation Chain Transfer Chemistry: Theory and Practice. Macromolecular Rapid Communications, 2007, 28, 539-559.	2.0	329
663	Thioketone-Mediated Polymerization of Butyl Acrylate: Controlling Free-Radical Polymerization via a Dormant Radical Species. Macromolecular Rapid Communications, 2007, 28, 746-753.	2.0	36
664	Degradation of Poly(methyl methacrylate) Model Compounds at Constant Elevated Temperature Studied via High Resolution Electrospray Ionization Mass Spectrometry (ESIâ€‰MS). Macromolecular Rapid Communications, 2007, 28, 1593-1600.	2.0	32
665	Back Cover: Macromol. Rapid Commun. 3/2007. Macromolecular Rapid Communications, 2007, 28, 356-356.	2.0	0
666	A Parallelised High Performance Monte Carlo Simulation Approach for Complex Polymerisation Kinetics. Macromolecular Theory and Simulations, 2007, 16, 575-592.	0.6	64

#	Article	IF	Citations
667	Synthesis of semi-biodegradable crosslinked microspheres for the delivery of 1,25 dihydroxyvitamin D3 for the treatment of hepatocellular carcinoma. European Polymer Journal, 2007, 43, 1754-1767.	2.6	15
668	Depolymerization kinetics of di(4-tert-butyl cyclohexyl) itaconate and Mark-Houwink-Kuhn-Sakurada parameters of di(4-tert-butyl cyclohexyl) itaconate and di-n-butyl itaconate. Journal of Polymer Science Part A, 2007, 45, 1931-1943.	2.5	12
669	Core-shell microspheres with surface grafted poly(vinyl alcohol) as drug carriers for the treatment of hepatocellular carcinoma. Journal of Polymer Science Part A, 2007, 45, 3256-3272.	2.5	34
670	Ambient temperature synthesis of well-defined microspheres via precipitation polymerization initiated by UV-irradiation. Journal of Polymer Science Part A, 2007, 45, 3482-3487.	2.5	39
671	The Use of Novel F-RAFT Agents in High Temperature and High Pressure Ethene Polymerization: Can Control be Achieved?. Australian Journal of Chemistry, 2007, 60, 788.	0.5	25
672	Honeycomb structured porous films from amphiphilic block copolymers prepared via RAFT polymerization. Polymer, 2007, 48, 4950-4965.	1.8	121
673	The application of ionizing radiation in reversible additionâ€“fragmentation chain transfer (RAFT) polymerization: Renaissance of a key synthetic and kinetic tool. Polymer, 2007, 48, 6467-6480.	1.8	53
674	Gold-Loaded Organic/Inorganic Nanocomposite Honeycomb Membranes. Australian Journal of Chemistry, 2006, 59, 539.	0.5	27
675	Synthesis of Star Polymers using RAFT Polymerization: What is Possible?. Australian Journal of Chemistry, 2006, 59, 719.	0.5	132
676	Thioketone spin traps as mediating agents for free radical polymerization processes. Chemical Communications, 2006, , 835.	2.2	56
677	Polymer Science in Undergraduate Chemical Engineering and Industrial Chemistry Curricula: A Modular Approach. Journal of Chemical Education, 2006, 83, 1521.	1.1	13
678	Honeycomb-Structured Porous Films from Polypyrrole-Containing Block Copolymers Prepared via RAFT Polymerization as a Scaffold for Cell Growth. Biomacromolecules, 2006, 7, 1072-1082.	2.6	193
679	Radical Addition to Thioketones:â€‰ Computer-Aided Design of Spin Traps for Controlling Free-Radical Polymerization. Journal of Chemical Theory and Computation, 2006, 2, 1632-1645.	2.3	27
680	Ab Initio Kinetic Modelling in Radical Polymerization: A Paradigm Shift in Reaction Kinetic Analysis. Australian Journal of Chemistry, 2006, 59, 712.	0.5	23
681	Accessing the Chain Length Dependence of the Termination Rate Coefficient for Disparate Length Radicals via Reversible Addition Fragmentation Chain Transfer Chemistry:Â A Theoretical Study. Macromolecules, 2006, 39, 4975-4982.	2.2	20
682	Addition-Fragmentation Kinetics of Fluorodithioformates (F-RAFT) in Styrene, Vinyl Acetate, and Ethylene Polymerization:Â An Ab Initio Investigation. Macromolecules, 2006, 39, 4585-4591.	2.2	55
683	Design Criteria for Star Polymer Formation Processes via Living Free Radical Polymerization. Macromolecules, 2006, 39, 6406-6419.	2.2	101
684	Synthesis of Various Glycopolymer Architectures via RAFT Polymerization:Â From Block Copolymers to Stars. Biomacromolecules, 2006, 7, 232-238.	2.6	150

#	Article	IF	Citations
685	Living free-radical polymerization of sterically hindered monomers: Improving the understanding of 1,1-disubstituted monomer systems. Journal of Polymer Science Part A, 2006, 44, 3692-3710.	2.5	47
686	Investigation of the influence of the architectures of poly(vinyl pyrrolidone) polymers made via the reversible additionâ€“fragmentation chain transfer/macromolecular design via the interchange of xanthates mechanism on the stabilization of suspension polymerizations. Journal of Polymer Science Part A, 2006, 44, 4372-4383.	2.5	105
687	Mechanism and kinetics of dithiobenzoate-mediated RAFT polymerization. I. The current situation. Journal of Polymer Science Part A, 2006, 44, 5809-5831.	2.5	429
688	Using the reversible additionâ€“fragmentation chain transfer process to synthesize core-crosslinked micelles. Journal of Polymer Science Part A, 2006, 44, 2177-2194.	2.5	66
689	Formation of honeycomb-structured, porous films via breath figures with different polymer architectures. Journal of Polymer Science Part A, 2006, 44, 2363-2375.	2.5	288
690	Probing the reaction kinetics of vinyl acetate free radical polymerization via living free radical polymerization (MADIX). Polymer, 2006, 47, 999-1010.	1.8	79
691	Effect of an added base on (4-cyanopentanoic acid)-4-dithiobenzoate mediated RAFT polymerization in water. Polymer, 2006, 47, 1011-1019.	1.8	74
692	RAFT and click chemistry: A versatile approach to well-defined block copolymers. Chemical Communications, 2006, , 5051-5053.	2.2	280
693	Obtaining Chain Length Dependent Termination Rate Coefficients via Thermally Initiated Reversible Addition Fragmentation Chain Transfer Experiments. ACS Symposium Series, 2006, , 486-500.	0.5	6
694	Water-assisted formation of honeycomb structured porous films. Journal of Porous Materials, 2006, 13, 213-223.	1.3	56
695	Synthesis of poly(vinyl alcohol) combs via MADIX/RAFT polymerization. Polymer, 2006, 47, 1073-1080.	1.8	88
696	Living Free Radical Polymerization of Cyclodextrin Host-Guest Complexes of Styrene via the Reversible Addition Fragmentation Chain Transfer (RAFT) Process in Aqueous Solution. Macromolecular Rapid Communications, 2006, 27, 848-853.	2.0	35
697	RAFT Polymerization ofN-Isopropylacrylamide and Acrylic Acid underÎ³-Irradiation in Aqueous Media. Macromolecular Rapid Communications, 2006, 27, 821-828.	2.0	99
698	Quantum Chemical Mapping of Initialization Processes in RAFT Polymerization. Macromolecular Rapid Communications, 2006, 27, 1015-1022.	2.0	67
699	Dendrimers as Scaffolds for Reversible Addition Fragmentation Chain Transfer (RAFT) Agents: a Route to Star-Shaped Block Copolymers. Australian Journal of Chemistry, 2005, 58, 483.	0.5	32
700	Remarkable Solvent Effects of Oxygen- and Sulfur-Containing Compounds on the Propagation Rate of Methyl Methacrylate. Zeitschrift Fur Physikalische Chemie, 2005, 219, 267-281.	1.4	11
701	Critically evaluated termination rate coefficients for free-radical polymerization: Experimental methods. Progress in Polymer Science, 2005, 30, 605-643.	11.8	137
702	An in-depth analytical approach to the mechanism of the RAFT process in acrylate free radical polymerizations via coupled size exclusion chromatographyâ€“electrospray ionization mass spectrometry (SECâ€“ESI-MS). Polymer, 2005, 46, 8448-8457.	1.8	81

#	Article	IF	Citations
703	Solvent and oxygen effects on the free radical polymerization of 6-O-vinyladipoyl-d-glucopyranose. Polymer, 2005, 46, 2831-2835.	1.8	22
704	Living free radical polymerization (RAFT) of dodecyl acrylate: Chain length dependent termination, mid-chain radicals and monomer reaction order. Polymer, 2005, 46, 6797-6809.	1.8	70
705	Polystyrene comb polymers built on cellulose or poly(styrene-co-2-hydroxyethylmethacrylate) backbones as substrates for the preparation of structured honeycomb films. European Polymer Journal, 2005, 41, 2264-2277.	2.6	135
706	A Synthetic Approach to a Novel Class of Fluorine-Bearing Reversible Addition - Fragmentation Chain Transfer (RAFT) Agents: F-RAFT. Australian Journal of Chemistry, 2005, 58, 437.	0.5	56
707	Accessing Chain Length Dependent Termination Rate Coefficients of Methyl Methacrylate (MMA) via the Reversible Addition Fragmentation Chain Transfer (RAFT) Process. Macromolecular Chemistry and Physics, 2005, 206, 2047-2053.	1.1	82
708	Advanced Computational Strategies for Modelling the Evolution of Full Molecular Weight Distributions Formed During Multiarmed (Star) Polymerisations. Macromolecular Theory and Simulations, 2005, 14, 143-157.	0.6	47
709	Transesterification of poly(ethyl-Î±-hydroxymethacrylate) prepared via reversible addition-fragmentation chain transfer polymerization. Journal of Polymer Science Part A, 2005, 43, 5699-5703.	2.5	10
710	Grafting of n-Butyl Acrylate and N,N'-Dimethyl Acrylamide from Poly(divinylbenzene) Microspheres by RAFT Polymerization. Australian Journal of Chemistry, 2005, 58, 468.	0.5	30
711	A Simple Approach to Micro-Patterned Surfaces by Breath Figures with Internal Structure Using Thermoresponsive Amphiphilic Block Copolymers. Australian Journal of Chemistry, 2005, 58, 595.	0.5	40
712	Depropagation Kinetics of Sterically Demanding Monomers:Â A Pulsed Laser Size Exclusion Chromatography Study. Macromolecules, 2005, 38, 5944-5954.	2.2	31
713	Well-Defined Diblock Glycopolymers from RAFT Polymerization in Homogeneous Aqueous Medium. Macromolecules, 2005, 38, 9075-9084.	2.2	122
714	Mapping Chain Length and Conversion Dependent Termination Rate Coefficients in Methyl Acrylate Free Radical Polymerization. Macromolecules, 2005, 38, 10323-10327.	2.2	52
715	Access to Chain Length Dependent Termination Rate Coefficients of Methyl Acrylate via Reversible Additionâ~Fragmentation Chain Transfer Polymerization. Macromolecules, 2005, 38, 2595-2605.	2.2	96
716	Poly(vinyl ester) Star Polymers via Xanthate-Mediated Living Radical Polymerization:Â From Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.2	162
717	Chain Length Dependent Termination in Butyl Acrylate Free-Radical Polymerization Studied via Stationary and Pulsed Laser Initiated RAFT Polymerization. Macromolecules, 2005, 38, 9497-9508.	2.2	93
718	Synthesis of amphiphilic block copolymers based on poly(dimethylsiloxane) via fragmentation chain transfer (RAFT) polymerization. Polymer, 2004, 45, 4383-4389.	1.8	70
719	Implementing the reversible addition-fragmentation chain transfer process in PREDICI. Journal of Polymer Science Part A, 2004, 42, 1441-1448.	2.5	83
720	Reversible addition fragmentation chain transfer polymerization of sterically hindered monomers: Toward well-defined rod/coil architectures. Journal of Polymer Science Part A, 2004, 42, 2432-2443.	2.5	65

#	Article	IF	Citations
721	Initiator efficiency of 2,2?-azobis(isobutyronitrile) in bulk dodecyl acrylate free-radical polymerizations over a wide conversion and molecular weight range. Journal of Polymer Science Part A, 2004, 42, 5170-5179.	2.5	23
722	Synthesis of core-shell poly(divinylbenzene) microspheres via reversible addition fragmentation chain transfer graft polymerization of styrene. Journal of Polymer Science Part A, 2004, 42, 5067-5076.	2.5	99
723	Dendrimers as scaffolds for multifunctional reversible addition-fragmentation chain transfer agents: Syntheses and polymerization. Journal of Polymer Science Part A, 2004, 42, 5877-5890.	2.5	105
724	Amphiphilic Block Copolymers Based on Poly(2-acryloyloxyethyl phosphorylcholine) Prepared via RAFT Polymerisation as Biocompatible Nanocontainers. Macromolecular Bioscience, 2004, 4, 445-453.	2.1	122
725	Synthesis of Macromonomers via Catalytic Chain Transfer(CCT) Polymerization and their Characterization via NMR Spectroscopy and Electrospray Ionization Mass Spectrometry(ESI-MS). Macromolecular Chemistry and Physics, 2004, 205, 752-761.	1.1	24
726	A Detailed On-Line FT/NIR and1H NMR Spectroscopic Investigation into Factors Causing Inhibition in Xanthate-Mediated Vinyl Acetate Polymerization. Macromolecular Chemistry and Physics, 2004, 205, 925-936.	1.1	96
727	Reversible addition fragmentation chain transfer copolymerization: influence of the RAFT process on the copolymer composition. Polymer, 2004, 45, 3997-4007.	1.8	71
728	Molecular composite materials formed from block copolymers containing a side-chain liquid crystalline segment and an amorphous styrene/maleic anhydride segment. Polymer, 2004, 45, 7401-7415.	1.8	33
729	Probing mechanistic features of conventional, catalytic and living free radical polymerizations using soft ionization mass spectrometric techniques. Polymer, 2004, 45, 7791-7805.	1.8	116
730	Poly(vinyl alcohol) star polymers prepared via MADIX/RAFT polymerisationElectronic Supplementary Information (ESI) available: synthesis and NMR data of MADIX agents, polymerisation and analysis technique. See http://www.rsc.org/suppdata/cc/b4/b404763j/. Chemical Communications, 2004, , 1546.	2.2	122
731	Shell-Cross-Linked Vesicles Synthesized from Block Copolymers of Poly(d,l-lactide) and Poly(N-isopropyl acrylamide) as Thermoresponsive Nanocontainers. Langmuir, 2004, 20, 10809-10817.	1.6	195
732	Consistent Experimental and Theoretical Evidence for Long-Lived Intermediate Radicals in Living Free Radical Polymerization. Journal of the American Chemical Society, 2004, 126, 15915-15923.	6.6	166
733	Facile Access to Chain Length Dependent Termination Rate Coefficients via Reversible Additionâ^'Fragmentation Chain Transfer (RAFT) Polymerization:Â Influence of the RAFT Agent Structure. Macromolecules, 2004, 37, 2404-2410.	2.2	56
734	Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization of Methyl Acrylate:Â Detailed Structural Investigation via Coupled Size Exclusion Chromatographyâ^'Electrospray Ionization Mass Spectrometry (SECâ^'ESI-MS). Macromolecules, 2004, 37, 744-751.	2.2	126
735	Well-Defined Glycopolymers from RAFT Polymerization:Â Poly(methyl 6-O-methacryloyl-Î±-d-glucoside) and Its Block Copolymer with 2-Hydroxyethyl Methacrylate. Macromolecules, 2004, 37, 7530-7537.	2.2	140
736	Complex Molecular Architecture Polymers via RAFT. Australian Journal of Chemistry, 2004, 57, 19.	0.5	64
737	Influences of the Structural Design of RAFT Agents on Living Radical Polymerization Kinetics. ACS Symposium Series, 2003, , 551-569.	0.5	17
738	Xanthate Mediated Living Polymerization of Vinyl Acetate: A Systematic Variation in MADIX/RAFT Agent Structure. Macromolecular Chemistry and Physics, 2003, 204, 1160-1168.	1.1	312

#	Article	IF	Citations
739	Propagation and Termination Rate Coefficients in N-Vinylcarbazole Free Radical Polymerization Obtained via 440 nm Pulsed Laser and Online 1H NMR Kinetic Experiments. Macromolecular Rapid Communications, 2003, 24, 408-412.	2.0	14
740	A New Chemo-Enzymatic Route to Side-Chain Liquid-Crystalline Polymers: The Synthesis and Polymerization of 6-(4-Methoxybiphenyl-4â€²-oxy)hexyl Vinyl Hexanedioate. Macromolecular Bioscience, 2003, 3, 675-683.	2.1	5
741	Nano- and Micro-Engineering of Ordered Porous Blue-Light-Emitting Films by Templating Well-Defined Organic Polymers Around Condensing Water Droplets. Angewandte Chemie - International Edition, 2003, 42, 3664-3668.	7.2	85
742	Reversible additionâ€“fragmentation chain transfer polymerization initiated with Î³-radiation at ambient temperature: an overview. European Polymer Journal, 2003, 39, 449-459.	2.6	114
743	Reversible addition fragmentation chain transfer polymerization of 3-[tris(trimethylsilyloxy) silyl] propyl methacrylate. Polymer, 2003, 44, 5169-5176.	1.8	43
744	RAFTing down under: Tales of missing radicals, fancy architectures, and mysterious holes. Journal of Polymer Science Part A, 2003, 41, 365-375.	2.5	416
745	The reversible addition-fragmentation chain transfer process and the strength and limitations of modeling: Comment on ?the magnitude of the fragmentation rate coefficient?. Journal of Polymer Science Part A, 2003, 41, 2828-2832.	2.5	143
746	Living free-radical polymerization (reversible addition-fragmentation chain transfer) of 6-[4-(4?-methoxyphenyl)phenoxy]hexyl methacrylate: A route to architectural control of side-chain liquid-crystalline polymers. Journal of Polymer Science Part A, 2003, 41, 2949-2963.	2.5	39
747	Hyperbranched polymers as scaffolds for multifunctional reversible addition-fragmentation chain-transfer agents: A route to polystyrene-core -polyesters and polystyrene-block -poly(butyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.5	134
748	Cobalt(II)-Mediated Catalytic Chain Transfer Polymerization of Styrene:Â Estimating Individual Rate Coefficients via Kinetic Modeling. Macromolecules, 2003, 36, 1054-1062.	2.2	23
749	End-Group Analysis of Polymers by Electrospray Ionization Mass Spectrometry: 2-Methyl-1-[4-(methylthio)phenyl]-2-morpholinopropan-1-one Initiated Free-Radical Photopolymerization. Australian Journal of Chemistry, 2002, 55, 315.	0.5	51
750	Termination Rate Coefficient of Dimethyl Itaconate:Â Comparison of Modeling and Experimental Results. Macromolecules, 2002, 35, 1651-1657.	2.2	25
751	Reversible Additionâ^'Fragmentation Chain Transfer Polymerization Initiated with Ultraviolet Radiation. Macromolecules, 2002, 35, 7620-7627.	2.2	290
752	Recent Advances in the Kinetics of Reversible Addition Fragmentation Chain-Transfer Polymerization. Australian Journal of Chemistry, 2002, 55, 425.	0.5	54
753	Origin of Inhibition Effects in the Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization of Methyl Acrylate. Macromolecules, 2002, 35, 8300-8306.	2.2	332
754	Transfer and propagation reactions in free-radical copolymerization. Macromolecular Symposia, 2002, 182, 131-148.	0.4	11
755	Kinetic Analysis of Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerizations: Conditions for Inhibition, Retardation, and Optimum Living Polymerization. Macromolecular Theory and Simulations, 2002, 11, 823-835.	0.6	261
756	Easy Access to Chain-Length-Dependent Termination Rate Coefficients Using RAFT Polymerization. Macromolecular Rapid Communications, 2002, 23, 952-956.	2.0	110

#	Article	IF	Citations
757	Title is missing!. Macromolecular Chemistry and Physics, 2002, 203, 1887-1894.	1.1	6
758	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. Journal of Polymer Science Part A, 2002, 40, 675-681.	2.5	29
759	Long-lived intermediates in reversible addition-fragmentation chain-transfer (RAFT) polymerization generated by ? radiation. Journal of Polymer Science Part A, 2002, 40, 1058-1063.	2.5	122
760	Free-radical copolymerization of styrene andm-isopropenyl-?,??-dimethylbenzyl isocyanate studied by1H NMR kinetic experiments. Journal of Polymer Science Part A, 2002, 40, 1064-1074.	2.5	32
761	Reversible addition-fragmentation chain-transfer polymerization: Unambiguous end-group assignment via electrospray ionization mass spectrometry. Journal of Polymer Science Part A, 2002, 40, 4032-4037.	2.5	119
762	Kinetic Analysis of Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerizations: Conditions for Inhibition, Retardation, and Optimum Living Polymerization. , 2002, 11, 823.		1
763	Easy Access to Chain-Length-Dependent Termination Rate Coefficients Using RAFT Polymerization. , 2002, 23, 952.		1
764	Kinetic Investigations of Reversible Addition Fragmentation Chain Transfer Polymerizations:Â Cumyl Phenyldithioacetate Mediated Homopolymerizations of Styrene and Methyl Methacrylate. Macromolecules, 2001, 34, 7849-7857.	2.2	312
765	Propagation Rate Coefficients of Acrylateâ^'Methacrylate Free-Radical Bulk Copolymerizations. Macromolecules, 2001, 34, 5439-5448.	2.2	91
766	A Novel Method for the Measurement of Chain Transfer to Monomer Constants in Styrene Homopolymerizations:â€‰ The Pulsed Laser Rotating Reactor Assembly. Macromolecules, 2001, 34, 2822-2829.	2.2	14
767	Modeling the reversible addition-fragmentation chain transfer process in cumyl dithiobenzoate-mediated styrene homopolymerizations: Assessing rate coefficients for the addition-fragmentation equilibrium. Journal of Polymer Science Part A, 2001, 39, 1353-1365.	2.5	304
768	Free-radical copolymerization of styrene and itaconic acid studied by1H NMR kinetic experiments. Journal of Polymer Science Part A, 2001, 39, 656-664.	2.5	39
769	Modeling Termination Kinetics of Non-Stationary Free-Radical Polymerizations. Macromolecular Theory and Simulations, 2001, 10, 209-218.	0.6	16
770	Using Kinetics and Thermodynamics in the Controlled Synthesis of Low Molecular Weight Polymers in Free-Radical Polymerization. Macromolecular Theory and Simulations, 2001, 10, 255-261.	0.6	14
771	Complications in the 355 nm Pulsed-Laser Polymerization ofN-Vinylcarbazole. Macromolecular Rapid Communications, 2001, 22, 1035-1040.	2.0	7
772	Title is missing!. Australian Journal of Chemistry, 2001, 54, 343.	0.5	11
773	Termination kinetics of styrene free-radical polymerization studied by time-resolved pulsed laser experiments. Macromolecular Chemistry and Physics, 2000, 201, 464-469.	1.1	61
774	Chain-length dependence of free-radical termination rate deduced from laser single-pulse experiments. Macromolecular Theory and Simulations, 2000, 9, 442-452.	0.6	56

#	Article	IF	Citations
775	Termination kinetics in free-radical bulk terpolymerization â€" the systems methyl acrylate - butyl acrylate - dodecyl acrylate and methyl methacrylate - butyl methacrylate - dodecyl methacrylate. Macromolecular Chemistry and Physics, 1999, 200, 1764-1770.	1.1	28
776	Termination Kinetics in Free-Radical Bulk Copolymerization:Â The Systems Dodecyl Acrylateâ˜Dodecyl Methacrylate and Dodecyl Acrylateâ˜Methyl Acrylate. Macromolecules, 1999, 32, 1445-1452.	2.2	60
777	Kinetics of Strain-Activated Intramolecular Diels-Alder Reactions Between Furan and Bicyclopropylidene as well as Methylenecyclopropane Moieties. European Journal of Organic Chemistry, 1998, 1998, 107-112.	1.2	7
778	Termination Kinetics of Methyl Methacrylate Free-Radical Polymerization Studied by Time-Resolved Pulsed Laser Experiments. Macromolecules, 1998, 31, 3211-3215.	2.2	57
779	Free-Radical Propagation Rate Coefficients of Dodecyl Methacrylate Deduced from Electron Spin Resonance Experiments. Macromolecules, 1998, 31, 7208-7212.	2.2	21
780	The Kinetics of Free-Radical Polymerization. , 0, , 187-261.		32
781	The Mechanism and Kinetics of the RAFT Process: Overview, Rates, Stabilities, Side Reactions, Product Spectrum and Outstanding Challenges. , 0, , 51-104.		42
782	Surface and Particle Modification via the RAFT Process: Approach and Properties. , 0, , 423-453.		14
783	Toward New Materials Prepared via the RAFT Process: From Drug Delivery to Optoelectronics?. , 0, , 483-535.		6
784	Polymers with Well-Defined End Groups via RAFTâ€“ Synthesis, Applications andPostmodifications. , 0, , 455-482.		23
785	A Supramolecular Approach to Macromolecular Self&;#x02010;Assembly: Cyclodextrin Host/Guest Complexes. , 0, , 1-32.		1
786	Multisegmented polymers via step-growth and RAFT miniemulsion polymerization. Polymer Chemistry, 0, , .	1.9	2
787	Title is missing!. , 0, , .		9
788	Scope for Accessing the Chain Length Dependence of the Termination Rate Coefficient for Disparate Length Radicals in Acrylate Free Radical Polymerization. , 0, , 82-93.		0