Christopher Barner-Kowollik

List of Publications by Citations

799 papers	32,494 citations	90 h-index	134 g-index
866 ext. papers	35,020 ext. citations	6.8 avg, IF	7.67 L-index

#	Paper	IF	Citations
799	"Clicking" polymers or just efficient linking: what is the difference?. *Angewandte Chemie - International Edition*, **2011**, 50, 60-2	16.4	550
798	Mechanism and kinetics of dithiobenzoate-mediated RAFT polymerization. I. The current situation. *Journal of Polymer Science Part A*, **2006**, 44, 5809-5831	2.5	399
797	RAFTing down under: Tales of missing radicals, fancy architectures, and mysterious holes. *Journal of Polymer Science Part A*, **2003**, 41, 365-375	2.5	390
796	Well-defined protein-polymer conjugates via in situ RAFT polymerization. *Journal of the American Chemical Society*, **2007**, 129, 7145-54	16.4	368
795	Origin of Inhibition Effects in the Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization of Methyl Acrylate. *Macromolecules*, **2002**, 35, 8300-8306	5.5	311
794	Complex Macromolecular Architectures by Reversible Addition Fragmentation Chain Transfer Chemistry: Theory and Practice. *Macromolecular Rapid Communications*, **2007**, 28, 539-559	4.8	307
793	Kinetic Investigations of Reversible Addition Fragmentation Chain Transfer Polymerizations: Cumyl Phenyldithioacetate Mediated Homopolymerizations of Styrene and Methyl Methacrylate. *Macromolecules*, **2001**, 34, 7849-7857	5.5	292
792	Xanthate Mediated Living Polymerization of Vinyl Acetate: A Systematic Variation in MADIX/RAFT Agent Structure. *Macromolecular Chemistry and Physics*, **2003**, 204, 1160-1168	2.6	289
791	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	280
790	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	268
789	RAFT and click chemistry: a versatile approach to well-defined block copolymers. *Chemical Communications*, **2006**, 5051-3	5.8	265
788	Reversible Addition□fragmentation Chain Transfer Polymerization Initiated with Ultraviolet Radiation. *Macromolecules*, **2002**, 35, 7620-7627	5.5	253
787	The future of reversible addition fragmentation chain transfer polymerization. *Journal of Polymer Science Part A*, **2008**, 46, 5715-5723	2.5	248
786	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	1.5	239
785	Single chain folding of synthetic polymers by covalent and non-covalent interactions: current status and future perspectives. *Macromolecular Rapid Communications*, **2012**, 33, 958-71	4.8	226
784	50th Anniversary Perspective: Polymer Functionalization. *Macromolecules*, **2017**, 50, 5215-5252	5.5	225
783	Limitations of radical thiol-ene reactions for polymer□polymer conjugation. *Journal of Polymer Science Part A*, **2010**, 48, 1699-1713	2.5	221

782	Current Trends in the Field of Self-Healing Materials. *Macromolecular Chemistry and Physics*, **2012**, 213, 131-143	2.6	219
781	Adaptable hetero Diels-Alder networks for fast self-healing under mild conditions. *Advanced Materials*, **2014**, 26, 3561-6	24	203
780	Ultrafast click conjugation of macromolecular building blocks at ambient temperature. *Angewandte Chemie - International Edition*, **2009**, 48, 2411-4	16.4	201
779	Mass spectrometry in polymer chemistry: a state-of-the-art up-date. *Polymer Chemistry*, **2010**, 1, 599	4.9	197
778	In situ formation of protein-polymer conjugates through reversible addition fragmentation chain transfer polymerization. *Angewandte Chemie - International Edition*, **2007**, 46, 3099-103	16.4	189
777	Shell-cross-linked vesicles synthesized from block copolymers of Poly(D,L-lactide) and Poly(N-isopropyl acrylamide) as thermoresponsive nanocontainers. *Langmuir*, **2004**, 20, 10809-17	4	187
776	The role of mid-chain radicals in acrylate free radical polymerization: Branching and scission. *Journal of Polymer Science Part A*, **2008**, 46, 7585-7605	2.5	185
775	Honeycomb-structured porous films from polypyrrole-containing block copolymers prepared via RAFT polymerization as a scaffold for cell growth. *Biomacromolecules*, **2006**, 7, 1072-82	6.9	183
774	Surface Modification of Poly(divinylbenzene) Microspheres via Thiol–Ene Chemistry and Alkyne–Azide Click Reactions. *Macromolecules*, **2009**, 42, 3707-3714	5.5	182
773	Single-Chain Folding of Synthetic Polymers: A Critical Update. *Macromolecular Rapid Communications*, **2016**, 37, 29-46	4.8	174
772	Dynamic Macromolecular Material Design-The Versatility of Cyclodextrin-Based Host-Guest Chemistry. *Angewandte Chemie - International Edition*, **2017**, 56, 8350-8369	16.4	172
771	Consistent experimental and theoretical evidence for long-lived intermediate radicals in living free radical polymerization. *Journal of the American Chemical Society*, **2004**, 126, 15915-23	16.4	160
770	Verification of Controlled Grafting of Styrene from Cellulose via Radiation-Induced RAFT Polymerization. *Macromolecules*, **2007**, 40, 7140-7147	5.5	158
769	Controlled cell adhesion on poly(dopamine) interfaces photopatterned with non-fouling brushes. *Advanced Materials*, **2013**, 25, 6123-7	24	157
768	Reversible Addition Fragmentation Chain Transfer (RAFT) and Hetero-Diels–Alder Chemistry as a Convenient Conjugation Tool for Access to Complex Macromolecular Designs. *Macromolecules*, **2008**, 41, 4120-4126	5.5	157
767	Complex macromolecular architecture design via cyclodextrin host/guest complexes. *Progress in Polymer Science*, **2014**, 39, 235-249	29.6	156
766	Chain-length-dependent termination in radical polymerization: Subtle revolution in tackling a long-standing challenge. *Progress in Polymer Science*, **2009**, 34, 1211-1259	29.6	156
765	Poly(vinyl ester) Star Polymers via Xanthate-Mediated Living Radical Polymerization: From Poly(vinyl alcohol) to Glycopolymer Stars. *Macromolecules*, **2005**, 38, 5475-5484	5.5	156

764	3D Laser Micro- and Nanoprinting: Challenges for Chemistry. *Angewandte Chemie - International Edition*, **2017**, 56, 15828-15845	16.4	155
763	Post-functionalization of polymers via orthogonal ligation chemistry. *Macromolecular Rapid Communications*, **2013**, 34, 810-49	4.8	154
762	Adding spatial control to click chemistry: phototriggered Diels-Alder surface (bio)functionalization at ambient temperature. *Angewandte Chemie - International Edition*, **2012**, 51, 1071-4	16.4	153
761	Direct Synthesis of Well-Defined Heterotelechelic Polymers for Bioconjugations. *Macromolecules*, **2008**, 41, 5641-5650	5.5	150
760	Synthesis of various glycopolymer architectures via RAFT polymerization: from block copolymers to stars. *Biomacromolecules*, **2006**, 7, 232-8	6.9	146
759	An atom-efficient conjugation approach to well-defined block copolymers using RAFT chemistry and hetero Diels-Alder cycloaddition. *Chemical Communications*, **2008**, 2052-4	5.8	143
758	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	139
757	Well-Defined Glycopolymers from RAFT Polymerization: Poly(methyl 6-O-methacryloyl-α-d-glucoside) and Its Block Copolymer with 2-Hydroxyethyl Methacrylate. *Macromolecules*, **2004**, 37, 7530-7537	5.5	137
756	Constructing star polymersvia modular ligation strategies. *Polymer Chemistry*, **2012**, 3, 34-45	4.9	132
755	Acid-Degradable Core-Crosslinked Micelles Prepared from Thermosensitive Glycopolymers Synthesized via RAFT Polymerization. *Macromolecular Rapid Communications*, **2008**, 29, 123-129	4.8	132
754	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	5.2	132
753	Orthogonal Transformations on Solid Substrates: Efficient Avenues to Surface Modification. *Advanced Materials*, **2009**, 21, 3442-3468	24	131
752	Has Click Chemistry Lead to a Paradigm Shift in Polymer Material Design?. *Macromolecular Chemistry and Physics*, **2009**, 210, 987-992	2.6	127
751	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, 652-5	16.4	126
750	Hyperbranched polymers as scaffolds for multifunctional reversible addition–fragmentation chain-transfer agents: A route to polystyrene-core-polyesters and polystyrene-block-poly(butyl acrylate)-core-polyesters. *Journal of Polymer Science Part A*, **2003**, 41, 3847-3861	2.5	125
749	Controlling the shape of 3D microstructures by temperature and light. *Nature Communications*, **2019**, 10, 232	17.4	124
748	Rapid Bonding/Debonding on Demand: Reversibly Cross-Linked Functional Polymers via Diels–Alder Chemistry. *Macromolecules*, **2010**, 43, 5515-5520	5.5	123
747	Photoclickable Surfaces for Profluorescent Covalent Polymer Coatings. *Advanced Functional Materials*, **2012**, 22, 304-312	15.6	122

746	Critically evaluated termination rate coefficients for free-radical polymerization: Experimental methods. *Progress in Polymer Science*, **2005**, 30, 605-643	29.6	122
745	Synthesis of Star Polymers using RAFT Polymerization: What is Possible?. *Australian Journal of Chemistry*, **2006**, 59, 719	1.2	121
744	Cycloadditions in modern polymer chemistry. *Accounts of Chemical Research*, **2015**, 48, 1296-307	24.3	120
743	Well-Defined Diblock Glycopolymers from RAFT Polymerization in Homogeneous Aqueous Medium. *Macromolecules*, **2005**, 38, 9075-9084	5.5	118
742	Honeycomb structured porous films from amphiphilic block copolymers prepared via RAFT polymerization. *Polymer*, **2007**, 48, 4950-4965	3.9	117
741	Amphiphilic block copolymers based on poly(2-acryloyloxyethyl phosphorylcholine) prepared via RAFT polymerisation as biocompatible nanocontainers. *Macromolecular Bioscience*, **2004**, 4, 445-53	5.5	116
740	Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization of Methyl Acrylate: Detailed Structural Investigation via Coupled Size Exclusion Chromatography–Electrospray Ionization Mass Spectrometry (SEC–ESI-MS). *Macromolecules*, **2004**, 37, 744-751	5.5	116
739	Hierarchical Nacre Mimetics with Synergistic Mechanical Properties by Control of Molecular Interactions in Self-Healing Polymers. *Angewandte Chemie - International Edition*, **2015**, 54, 8653-7	16.4	115
738	Poly(vinyl alcohol) star polymers prepared via MADIX/RAFT polymerisation. *Chemical Communications*, **2004**, 1546-7	5.8	113
737	Long-lived intermediates in reversible addition–fragmentation chain-transfer (RAFT) polymerization generated by γ-radiation. *Journal of Polymer Science Part A*, **2002**, 40, 1058-1063	2.5	112
736	Probing mechanistic features of conventional, catalytic and living free radical polymerizations using soft ionization mass spectrometric techniques. *Polymer*, **2004**, 45, 7791-7805	3.9	111
735	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	111
734	Grafting efficiency of synthetic polymers onto biomaterials: a comparative study of grafting-from versus grafting-to. *Biomacromolecules*, **2013**, 14, 64-74	6.9	110
733	RAFT-mediated polymerization and grafting of sodium 4-styrenesulfonate from cellulose initiated via γ-radiation. *Polymer*, **2009**, 50, 973-982	3.9	107
732	Ambient Temperature RAFT Polymerization of Acrylic Acid Initiated with Ultraviolet Radiation in Aqueous Solution. *Macromolecules*, **2007**, 40, 2978-2980	5.5	107
731	Access to cyclic polystyrenes via a combination of reversible addition fragmentation chain transfer (RAFT) polymerization and click chemistry. *Polymer*, **2008**, 49, 2274-2281	3.9	107
730	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	104
729	Easy Access to Chain-Length-Dependent Termination Rate Coefficients Using RAFT Polymerization. *Macromolecular Rapid Communications*, **2002**, 23, 952-956	4.8	104

728	Bioinspired dual self-folding of single polymer chains via reversible hydrogen bonding. *Polymer Chemistry*, **2012**, 3, 640-651	4.9	103
727	Reversible addition–fragmentation chain transfer polymerization initiated with γ-radiation at ambient temperature: an overview. *European Polymer Journal*, **2003**, 39, 449-459	5.2	103
726	Single-Chain Nanoparticles as Catalytic Nanoreactors. *Journal of the American Chemical Society*, **2018**, 140, 5875-5881	16.4	102
725	Shell-cross-linked micelles containing cationic polymers synthesized via the RAFT process: toward a more biocompatible gene delivery system. *Biomacromolecules*, **2007**, 8, 2890-901	6.9	102
724	Guiding Cell Attachment in 3D Microscaffolds Selectively Functionalized with Two Distinct Adhesion Proteins. *Advanced Materials*, **2017**, 29, 1604342	24	101
723	A Mild and Efficient Approach to Functional Single-Chain Polymeric Nanoparticles via Photoinduced Diels–Alder Ligation. *Macromolecules*, **2013**, 46, 8092-8101	5.5	100
722	Wavelength-Dependent Photochemistry of Oxime Ester Photoinitiators. *Macromolecules*, **2017**, 50, 1815–1823	5.5	99
721	Enlightening the Mechanism of Copper Mediated PhotoRDRP via High-Resolution Mass Spectrometry. *Journal of the American Chemical Society*, **2015**, 137, 6889-96	16.4	98
720	Direct Synthesis of Pyridyl Disulfide-Terminated Polymers by RAFT Polymerization. *Macromolecular Rapid Communications*, **2007**, 28, 305-314	4.8	98
719	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	98
718	Critically evaluated rate coefficients in radical polymerization – 7. Secondary-radical propagation rate coefficients for methyl acrylate in the bulk. *Polymer Chemistry*, **2014**, 5, 204-212	4.9	96
717	Design Criteria for Star Polymer Formation Processes via Living Free Radical Polymerization. *Macromolecules*, **2006**, 39, 6406-6419	5.5	96
716	Rapid UV light-triggered macromolecular click conjugations via the use of o-quinodimethanes. *Macromolecular Rapid Communications*, **2011**, 32, 807-12	4.8	95
715	(Bio)molecular surface patterning by phototriggered oxime ligation. *Angewandte Chemie - International Edition*, **2012**, 51, 9181-4	16.4	93
714	Investigation of the influence of the architectures of poly(vinyl pyrrolidone) polymers made via the reversible addition–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	93
713	Fabrication of Conductive 3D Gold-Containing Microstructures via Direct Laser Writing. *Advanced Materials*, **2016**, 28, 3592-5	24	93
712	Quantitative LC-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, 6915-27	7.8	92
711	Access to Chain Length Dependent Termination Rate Coefficients of Methyl Acrylate via Reversible Addition–Fragmentation Chain Transfer Polymerization. *Macromolecules*, **2005**, 38, 2595-2605	5.5	92

710	RAFT Polymerization of N-Isopropylacrylamide and Acrylic Acid under Irradiation in Aqueous Media. *Macromolecular Rapid Communications*, **2006**, 27, 821-828	4.8	91
709	Photochemically Driven Polymeric Network Formation: Synthesis and Applications. *Advanced Materials*, **2017**, 29, 1604005	24	90
708	Efficient Surface Modification of Divinylbenzene Microspheres via a Combination of RAFT and Hetero Diels-Alder Chemistry. *Macromolecular Rapid Communications*, **2008**, 29, 1431-1437	4.8	90
707	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	90
706	A Detailed On-Line FT/NIR and 1H NMR Spectroscopic Investigation into Factors Causing Inhibition in Xanthate-Mediated Vinyl Acetate Polymerization. *Macromolecular Chemistry and Physics*, **2004**, 205, 925-936	2.6	89
705	Light-induced modular ligation of conventional RAFT polymers. *Angewandte Chemie - International Edition*, **2013**, 52, 762-6	16.4	88
704	Synthesis of poly(vinyl alcohol) combs via MADIX/RAFT polymerization. *Polymer*, **2006**, 47, 1073-1080	3.9	87
703	Coding and decoding libraries of sequence-defined functional copolymers synthesized via photoligation. *Nature Communications*, **2016**, 7, 13672	17.4	87
702	Pd-complex driven formation of single-chain nanoparticles. *Polymer Chemistry*, **2015**, 6, 4358-4365	4.9	84
701	Multimaterial 3D laser microprinting using an integrated microfluidic system. *Science Advances*, **2019**, 5, eaau9160	14.3	83
700	Wavelength-Gated Dynamic Covalent Chemistry. *Angewandte Chemie - International Edition*, **2018**, 57, 2036-2045	16.4	83
699	Pushing the Limit: Pulsed Laser Polymerization of n-Butyl Acrylate at 500 Hz. *Macromolecules*, **2008**, 41, 8971-8973	5.5	82
698	Chain Length Dependent Termination in Butyl Acrylate Free-Radical Polymerization Studied via Stationary and Pulsed Laser Initiated RAFT Polymerization. *Macromolecules*, **2005**, 38, 9497-9508	5.5	82
697	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, 3664-8	16.4	81
696	Propagation Rate Coefficients of Acrylate/Methacrylate Free-Radical Bulk Copolymerizations. *Macromolecules*, **2001**, 34, 5439-5448	5.5	81
695	Ultra rapid approaches to mild macromolecular conjugation. *Macromolecular Rapid Communications* , **2010**, 31, 1247-66	4.8	80
694	Photochemical Design of Functional Fluorescent Single-Chain Nanoparticles.. *ACS Macro Letters*, **2014**, 3, 574-579	6.6	79
693	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	2.6	79

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691	Implementing the reversible addition–fragmentation chain transfer process in PREDICI. *Journal of Polymer Science Part A*, **2004**, 42, 1441-1448	2.5	78
690	Diels-Alder reactions as an efficient route to high purity cyclic polymers. *Macromolecular Rapid Communications*, **2011**, 32, 724-8	4.8	77
689	Mixed, multicompartment, or Janus micelles? A systematic study of thermoresponsive bis-hydrophilic block terpolymers. *Langmuir*, **2010**, 26, 12237-46	4	76
688	An in-depth analytical approach to the mechanism of the RAFT process in acrylate free radical polymerizations via coupled size exclusion chromatography–electrospray ionization mass spectrometry (SEC–ESI-MS). *Polymer*, **2005**, 46, 8448-8457	3.9	76
687	Photo-patterning of non-fouling polymers and biomolecules on paper. *Advanced Materials*, **2014**, 26, 4087-92	24	75
686	A Novel Photoresponsive Azobenzene-Containing Miktoarm Star Polymer: Self-Assembly and Photoresponse Properties. *Macromolecules*, **2014**, 47, 3693-3700	5.5	74
685	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	1.2	73
684	Probing the reaction kinetics of vinyl acetate free radical polymerization via living free radical polymerization (MADIX). *Polymer*, **2006**, 47, 999-1010	3.9	73
683	Rapid Assembly of Small Materials Building Blocks (Voxels) into Large Functional 3D Metamaterials. *Advanced Functional Materials*, **2020**, 30, 1907795	15.6	71
682	Supramolecular three-armed star polymers via cyclodextrin host–guest self-assembly. *Polymer Chemistry*, **2012**, 3, 3139	4.9	71
681	Single chain self-assembly: preparation of alpha,omega-donor-acceptor chains via living radical polymerization and orthogonal conjugation. *Chemical Communications*, **2010**, 46, 6291-3	5.8	70
680	Mapping Poly(butyl acrylate) Product Distributions by Mass Spectrometry in a Wide Temperature Range: Suppression of Midchain Radical Side Reactions. *Macromolecules*, **2007**, 40, 8906-8912	5.5	70
679	Effect of an added base on (4-cyanopentanoic acid)-4-dithiobenzoate mediated RAFT polymerization in water. *Polymer*, **2006**, 47, 1011-1019	3.9	70
678	Reversible addition fragmentation chain transfer copolymerization: influence of the RAFT process on the copolymer composition. *Polymer*, **2004**, 45, 3997-4007	3.9	70
677	Temperature responsive cellulose-graft-copolymers via cellulose functionalization in an ionic liquid and RAFT polymerization. *Biomacromolecules*, **2014**, 15, 2563-72	6.9	69
676	UV Light and Temperature Responsive Supramolecular ABA Triblock Copolymers via Reversible Cyclodextrin Complexation. *Macromolecules*, **2013**, 46, 1054-1065	5.5	68
675	Synthesis of amphiphilic block copolymers based on poly(dimethylsiloxane) via fragmentation chain transfer (RAFT) polymerization. *Polymer*, **2004**, 45, 4383-4389	3.9	68

674	A New Class of Materials: Sequence-Defined Macromolecules and Their Emerging Applications. *Advanced Materials*, **2019**, 31, e1806027	24	68
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669	3D Scaffolds to Study Basic Cell Biology. *Advanced Materials*, **2019**, 31, e1808110	24	66
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667	Three-dimensional microscaffolds exhibiting spatially resolved surface chemistry. *Advanced Materials*, **2013**, 25, 6117-22	24	65
666	Facile conversion of RAFT polymers into hydroxyl functional polymers: a detailed investigation of variable monomer and RAFT agent combinations. *Polymer Chemistry*, **2010**, 1, 634	4.9	65
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661	Wavelength Dependence of Light-Induced Cycloadditions. *Journal of the American Chemical Society*, **2017**, 139, 15812-15820	16.4	63
660	Complex Molecular Architecture Polymers via RAFT. *Australian Journal of Chemistry*, **2004**, 57, 19	1.2	63
659	Photochemically Induced Folding of Single Chain Polymer Nanoparticles in Water. *ACS Macro Letters*, **2017**, 6, 56-61	6.6	62
658	Catalytic transesterification of cellulose in ionic liquids: sustainable access to cellulose esters. *Green Chemistry*, **2014**, 16, 3266	10	62
657	Grafting thermoresponsive polymers onto honeycomb structured porous films using the RAFT process. *Journal of Materials Chemistry*, **2008**, 18, 4718		62

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655	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	62
654	Visible Light [2 + 2] Cycloadditions for Reversible Polymer Ligation. *Macromolecules*, **2018**, 51, 3802-3807	5.5	61
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652	Orthogonal pericyclic macromolecular photoligation. *Angewandte Chemie - International Edition*, **2015**, 54, 2838-43	16.4	61
651	Ambient Temperature Synthesis of a Versatile Macromolecular Building Block: Cyclopentadienyl-Capped Polymers. *Macromolecules*, **2010**, 43, 33-36	5.5	61
650	Ultra-Fast RAFT-HDA Click Conjugation: An Efficient Route to High Molecular Weight Block Copolymers. *Macromolecular Rapid Communications*, **2009**, 30, 1792-8	4.8	61
649	Access to Three-Arm Star Block Copolymers by a Consecutive Combination of the Copper(I)-Catalyzed Azide–Alkyne Cycloaddition and the RAFT Hetero Diels–Alder Concept. *Macromolecular Rapid Communications*, **2008**, 29, 1090-1096	4.8	61
648	Diels–Alder reactions for carbon material synthesis and surface functionalization. *Polymer Chemistry*, **2013**, 4, 4072	4.9	60
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643	Photo-induced sequence defined macromolecules via hetero bifunctional synthons. *Chemical Communications*, **2015**, 51, 1799-802	5.8	58
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