Christopher Barner-Kowollik

List of Publications by Year in Descending Order

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	Wavelength-Orthogonal Stiffening of Hydrogel Networks with Visible Light.. *Angewandte Chemie - International Edition*, **2022**,	16.4	7
798	Sequence-independent activation of photocycloadditions using two colours of light.. *Chemical Science*, **2022**, 13, 531-535	9.4	2
797	An amino acid-derived ABCBA-type antifouling biohybrid with multi-stimuli responsivity and contaminant removal capability. *Polymer Chemistry*, **2022**, 13, 1960-1969	4.9	1
796	Photostationary State in Dynamic Covalent Networks.. *ACS Macro Letters*, **2022**, 11, 532-536	6.6	0
795	Photodynamic covalent bonds regulated by visible light for soft matter materials. *Trends in Chemistry*, **2022**, 4, 291-304	14.8	1
794	A versatile and straightforward process to turn plastics into antibacterial materials. *Polymer Chemistry*, **2021**, 13, 69-79	4.9	1
793	Action Plots in Action: In-Depth Insights into Photochemical Reactivity. *Journal of the American Chemical Society*, **2021**,	16.4	9
792	Ubiquitous Nature of Rate Retardation in Reversible Addition-Fragmentation Chain Transfer Polymerization. *Journal of the American Chemical Society*, **2021**, 143, 17769-17777	16.4	6
791	RAFT Polymerization: Mechanistic Considerations **2021**, 95-137		2
790	Electrochemical Stimulation of Water-Oil Interfaces by Nonionic-Cationic Block Copolymer Systems. *Langmuir*, **2021**, 37, 1073-1081	4	3
789	Chain-Length-Dependent Photolysis of -Nitrobenzyl-Centered Polymers.. *ACS Macro Letters*, **2021**, 10, 447-452	6.6	2
788	Wavelength-Gated Photochemical Synthesis of Phenalene Diimides. *Angewandte Chemie - International Edition*, **2021**, 60, 10402-10408	16.4	6
787	Reversible Diels-Alder and Michael Addition Reactions Enable the Facile Postsynthetic Modification of Metal-Organic Frameworks. *Inorganic Chemistry*, **2021**, 60, 4397-4409	5.1	6
786	Wellenlängengesteuerte photochemische Synthese von Phenalendiimiden. *Angewandte Chemie*, **2021**, 133, 10491-10498	3.6	
785	Predicting wavelength-dependent photochemical reactivity and selectivity. *Nature Communications* , **2021**, 12, 1691	17.4	8
784	A Self-Catalyzed Visible Light Driven Thiol Ligation. *Journal of the American Chemical Society*, **2021**, 143, 7292-7297	16.4	4
783	Laser Photodissociation Action Spectroscopy for the Wavelength-Dependent Evaluation of Photoligation Reactions. *Analytical Chemistry*, **2021**, 93, 8091-8098	7.8	1

782	The Missing Piece: Concentration Dependence of Donor-Acceptor Stenhouse Adduct (DASA) Reactivity. *ChemPhotoChem*, **2021**, 5, 711-715	3.3	2
781	Computational prediction of the molecular configuration of three-dimensional network polymers. *Nature Materials*, **2021**, 20, 1422-1430	27	32
780	Two Sides of the Same Coin: Light as a Tool to Control and Map Microsphere Design.. *ACS Macro Letters*, **2021**, 10, 851-856	6.6	0
779	Wavelength-selective light-matter interactions in polymer science. *Matter*, **2021**, 4, 2172-2229	12.7	12
778	Enzyme-Degradable 3D Multi-Material Microstructures. *Advanced Functional Materials*, **2021**, 31, 2006998	15.6	7
777	Flow Photochemistry for Single-Chain Polymer Nanoparticle Synthesis. *Angewandte Chemie - International Edition*, **2021**, 60, 2042-2046	16.4	8
776	Multicomponent Reactions in Polymer Chemistry Utilizing Heavier Main Group Elements. *Macromolecular Rapid Communications*, **2021**, 42, e2000495	4.8	9
775	Prevent or Cure-The Unprecedented Need for Self-Reporting Materials. *Angewandte Chemie - International Edition*, **2021**, 60, 17290-17313	16.4	9
774	Vorbeugen oder Heilen die beispiellose Notwendigkeit von selbstberichtenden Materialien. *Angewandte Chemie*, **2021**, 133, 17430-17454	3.6	
773	Red-Light Driven Photocatalytic Oxime Ligation for Bioorthogonal Hydrogel Design.. *ACS Macro Letters*, **2021**, 10, 78-83	6.6	5
772	The bright and the dark side of the sphere: light-stabilized microparticles. *Polymer Chemistry*, **2021**, 12, 449-457	4.9	2
771	Flow Photochemistry for Single-Chain Polymer Nanoparticle Synthesis. *Angewandte Chemie*, **2021**, 133, 2070-2074	3.6	
770	Modular functionalization and hydrogel formation red-shifted and self-reporting [2+2] cycloadditions. *Chemical Communications*, **2021**, 57, 805-808	5.8	8
769	Green-light induced cycloadditions. *Chemical Communications*, **2021**, 57, 3991-3994	5.8	5
768	Untapped toolbox of luminol based polymers. *Polymer Chemistry*, **2021**, 12, 1732-1748	4.9	3
767	Green light LED activated ligation of a scalable, versatile chalcone chromophore. *Polymer Chemistry* , **2021**, 12, 4903-4909	4.9	5
766	Chemiluminescent self-reported unfolding of single-chain nanoparticles. *Chemical Communications*, **2021**, 57, 5203-5206	5.8	0
765	Stabilizing self-assembled nano-objects using light-driven tetrazole chemistry. *Polymer Chemistry*, **2021**, 12, 1627-1634	4.9	2

764	Four component Passerini polymerization of bulky monomers under high shear flow. *Chemical Communications*, **2021**, 57, 8328-8331	5.8	2
763	Heterobimetallic Au(I)/Y(III) single chain nanoparticles as recyclable homogenous catalysts. *Polymer Chemistry*, **2021**, 12, 4016-4021	4.9	2
762	UV-induced photolysis of polyurethanes. *Chemical Communications*, **2021**, 57, 2911-2914	5.8	6
761	Degradable Redox-Responsive Polyolefins. *Macromolecules*, **2021**, 54, 1775-1782	5.5	4
760	Dual-Wavelength Gated -Diels-Alder Photoligation. *Organic Letters*, **2021**, 23, 2405-2410	6.2	3
759	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	3.5	1
758	l-Histidine-Derived Smart Antifouling Biohybrid with Multistimuli Responsivity. *Biomacromolecules*, **2021**, 22, 3941-3949	6.9	4
757	Wavelength-Selective Softening of Hydrogel Networks. *Advanced Materials*, **2021**, 33, e2102184	24	10
756	Passerini Multicomponent Reactions Enabling Self-Reporting Photosensitive Tetrazole Polymers.. *ACS Macro Letters*, **2021**, 10, 1159-1166	6.6	0
755	Facile access to functional polyacrylates with dual stimuli response and tunable surface hydrophobicity. *Polymer Chemistry*, **2021**, 12, 3042-3051	4.9	4
754	A Modular Fluorescent Probe for Viscosity and Polarity Sensing in DNA Hybrid Mesostructures. *Advanced Science*, **2021**, 8, 2003740	13.6	15
753	Two Colour Photoflow Chemistry for Macromolecular Design. *Angewandte Chemie - International Edition*, **2020**, 59, 14143-14147	16.4	9
752	Chemiluminescent self-reporting supramolecular transformations on macromolecular scaffolds. *Polymer Chemistry*, **2020**, 11, 4213-4220	4.9	4
751	Evidence for ultrafast formation of tribenzoylgermyl radicals originating from tetraacylgermane photoinitiators. *Polymer Chemistry*, **2020**, 11, 3972-3979	4.9	0
750	Zweifarbiges Licht in der Durchflusssynthese f□ makromolekulares Design. *Angewandte Chemie*, **2020**, 132, 14247-14251	3.6	3
749	Facile Synthesis and In-Depth Characterization of Polymethacrylimides with Tunable Properties. *Macromolecular Rapid Communications*, **2020**, 41, e2000183	4.8	
748	Mass spectrometry as a tool to advance polymer science. *Nature Reviews Chemistry*, **2020**, 4, 257-268	34.6	18
747	Macromolecular Superstructures: A Future Beyond Single Chain Nanoparticles. *Israel Journal of Chemistry*, **2020**, 60, 86-99	3.4	33

746	A Methoxyamine-Protecting Group for Organic Radical Battery Materials-An Alternative Approach. *ChemSusChem*, **2020**, 13, 2386-2393	8.3	4
745	Trending methods employed for polymerization induced self-assembly. *New Journal of Chemistry*, **2020**, 44, 6690-6698	3.6	12
744	Precipitation Polymerization: Precisely Controlled Microsphere Design via Visible-Light Cross-Linking of Functional Prepolymers (Adv. Funct. Mater. 26/2020). *Advanced Functional Materials*, **2020**, 30, 2070173	15.6	
743	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	15.6	1
742	Chemiluminescent Read-Out of Degradable Fluorescent Polymer Particles. *Macromolecules*, **2020**, 53, 5826-5832	5.5	6
741	Shining Light on Poly(ethylene glycol): From Polymer Modification to 3D Laser Printing of Water Erasable Microstructures. *Advanced Materials*, **2020**, 32, e2003060	24	10
740	Biomedical Applications of pH-Responsive Amphiphilic Polymer Nanoassemblies. *ACS Applied Nano Materials*, **2020**, 3, 2104-2117	5.6	43
739	Wavelength-gated photoreversible polymerization and topology control. *Chemical Science*, **2020**, 11, 2834-2842	9.4	15
738	Wavelength-Dependent Stiffening of Hydrogel Matrices via Redshifted [2+2] Photocycloadditions. *Advanced Functional Materials*, **2020**, 30, 1908171	15.6	31
737	Es ist im Kleingedruckten: L□chbare dreidimensionale lasergedruckte Mikro- und Nanostrukturen. *Angewandte Chemie*, **2020**, 132, 6390-6401	3.6	1
736	Pushing the limits of single chain compaction analysis by observing specific size reductions via high resolution mass spectrometry. *Polymer Chemistry*, **2020**, 11, 1696-1701	4.9	2
735	Rapid Assembly of Small Materials Building Blocks (Voxels) into Large Functional 3D Metamaterials. *Advanced Functional Materials*, **2020**, 30, 1907795	15.6	71
734	On-demand acid-gated fluorescence switch-on in photo-generated nanospheres. *Chemical Communications*, **2020**, 56, 4986-4989	5.8	4
733	Chemiluminescent read-out of -fluoro-thiol reaction events. *Chemical Communications*, **2020**, 56, 14996-14999	5.8	
732	Precisely Controlled Microsphere Design via Visible-Light Cross-Linking of Functional Prepolymers. *Advanced Functional Materials*, **2020**, 30, 1905399	15.6	9
731	Time-Dependent Differential and Integral Quantum Yields for Wavelength-Dependent [4+4] Photocycloadditions. *Chemistry - A European Journal*, **2020**, 26, 478-484	4.8	12
730	All Eyes on Visible-Light Peroxyoxalate Chemiluminescence Read-Out Systems. *Chemistry - A European Journal*, **2020**, 26, 114-127	4.8	20
729	Contemporary catalyst-free photochemistry in synthetic macromolecular science. *Progress in Polymer Science*, **2020**, 100, 101183	29.6	19

728	4D Printing at the Microscale. *Advanced Functional Materials*, **2020**, 30, 1907615	15.6	67
727	It's a Trap: Thiol-Michael Chemistry on a DASA Photoswitch. *Chemistry - A European Journal*, **2020**, 26, 809-813	4.8	16
726	It's in the Fine Print: Erasable Three-Dimensional Laser-Printed Micro- and Nanostructures. *Angewandte Chemie - International Edition*, **2020**, 59, 6330-6340	16.4	10
725	Revealing the Wavelength Dependence of Photochemical Reactions: Cutting-Edge Research in the Teaching Lab. *Journal of Chemical Education*, **2020**, 97, 543-548	2.4	3
724	Mechanical stimulation of single cells by reversible host-guest interactions in 3D microscaffolds. *Science Advances*, **2020**, 6,	14.3	24
723	Visible-light reversible photopolymerisation: insights via online photoflow electrospray ionisation mass spectrometry. *Polymer Chemistry*, **2020**, 11, 6435-6440	4.9	1
722	2D Fabrication of Tunable Responsive Interpenetrating Polymer Networks from a Single Photoresist. *Advanced Functional Materials*, **2020**, 30, 2005328	15.6	9
721	Photocycloadditions in disparate chemical environments. *Chemical Communications*, **2020**, 56, 14043-14046	5.6	8
720	A holistic approach for anthracene photochemistry kinetics. *Chemical Engineering Journal*, **2020**, 402, 126259	14.7	6
719	Introducing electrical conductivity to metal-organic framework thin films by templated polymerization of methyl propiolate. *Nanoscale*, **2020**, 12, 24419-24428	7.7	6
718	Two Grapes Short of a Fruit Salad: Raspberry-, Strawberry-, and Seedpod-Like Organic Microspheres via Colloidal Nanotemplating. *ACS Macro Letters*, **2020**, 9, 1785-1792	6.6	2
717	Hetero-Diels-Alder Cycloaddition with RAFT Polymers as Bioconjugation Platform. *Angewandte Chemie - International Edition*, **2020**, 59, 19951-19955	16.4	5
716	The Next 100 Years of Polymer Science. *Macromolecular Chemistry and Physics*, **2020**, 221, 2000216	2.6	36
715	Hetero-Diels-Alder-Cycloaddition mit RAFT-Polymeren als Biokonjugationsplattform. *Angewandte Chemie*, **2020**, 132, 20123-20128	3.6	
714	Multi-material 3D microstructures with photochemically adaptive mechanical properties. *Journal of Materials Chemistry C*, **2020**, 8, 10993-11000	7.1	6
713	A printable thermally activated delayed fluorescence polymer light emitting diode. *Journal of Materials Chemistry C*, **2020**, 8, 13001-13009	7.1	6
712	Critical Assessment of the Application of Multidetection SEC and AF4 for the Separation of Single-Chain Nanoparticles. *ACS Macro Letters*, **2020**, 9, 1569-1575	6.6	6
711	Two colours of light drive PET-RAFT photoligation. *Polymer Chemistry*, **2020**, 11, 6453-6462	4.9	4

710	An in-depth analysis approach enabling precision single chain nanoparticle design. *Polymer Chemistry*, **2020**, 11, 6559-6578	4.9	8
709	Green light triggered [2+2] cycloaddition of halochromic styrylquinoxaline-controlling photoreactivity by pH. *Nature Communications*, **2020**, 11, 4193	17.4	22
708	Sensitive Photoresists for Rapid Multiphoton 3D Laser Micro- and Nanoprinting. *Advanced Optical Materials*, **2020**, 8, 2000895	8.1	28
707	Combining Photodeprotection and Ligation into a Dual-Color Gated Reaction System. *Chemistry - A European Journal*, **2020**, 26, 16985-16989	4.8	2
706	Heterobimetallic Eu(iii)/Pt(ii) single-chain nanoparticles: a path to enlighten catalytic reactions. *Chemical Science*, **2020**, 11, 10331-10336	9.4	5
705	Mapping Photochemical Reactivity Profiles on Surfaces. *Journal of the American Chemical Society*, **2020**, 142, 21651-21655	16.4	4
704	Wavelength-Selective Folding of Single Polymer Chains with Different Colors of Visible Light. *Macromolecular Rapid Communications*, **2020**, 41, e1900414	4.8	11
703	DNA-Polymer-Nanostrukturen durch RAFT-Polymerisation und polymerisationsinduzierte Selbstassemblierung. *Angewandte Chemie*, **2020**, 132, 15602-15607	3.6	1
702	DNA-Polymer Nanostructures by RAFT Polymerization and Polymerization-Induced Self-Assembly. *Angewandte Chemie - International Edition*, **2020**, 59, 15474-15479	16.4	23
701	Light-induced Ligation of -Quinodimethanes with Gated Fluorescence Self-reporting. *Journal of the American Chemical Society*, **2020**, 142, 7744-7748	16.4	12
700	Tacticity dependence of single chain polymer folding. *Polymer Chemistry*, **2020**, 11, 3439-3445	4.9	3
699	Light-fueled dynamic covalent crosslinking of single polymer chains in non-equilibrium states. *Chemical Science*, **2020**, 12, 1302-1310	9.4	6
698	On the Schwarzschild Effect in 3D Two-Photon Laser Lithography. *Advanced Optical Materials*, **2019**, 7, 1901040	8.1	25
697	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	4.9	13
696	M24+ paddlewheel clusters as junction points in single-chain nanoparticles. *Polymer Chemistry*, **2019**, 10, 86-93	4.9	11
695	With polymer photoclicks to fluorescent microspheres. *Materials Horizons*, **2019**, 6, 356-363	14.4	13
694	The long and the short of polymer grafting. *Polymer Chemistry*, **2019**, 10, 54-59	4.9	22
693	Quantifying Solvent Effects on Polymer Surface Grafting. *ACS Macro Letters*, **2019**, 8, 800-805	6.6	7

692	Light-Stabilized Dynamic Materials. *Journal of the American Chemical Society*, **2019**, 141, 12329-12337	16.4	37
691	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	1.7	
690	A Photochemical Ligation System Enabling Solid-Phase Chemiluminescence Read-Out. *Chemistry - A European Journal*, **2019**, 25, 12538-12544	4.8	12
689	Tailoring the Mechanical Properties of 3D Microstructures Using Visible Light Post-Manufacturing. *Advanced Materials*, **2019**, 31, e1901269	24	27
688	Self-Propagated para-Fluoro-Thiol Reaction. *Chemistry - A European Journal*, **2019**, 25, 10049-10053	4.8	7
687	Unprecedented Bifunctional Chemistry of Bis(acyl)phosphane Oxides in Aqueous and Alcoholic Media. *Chemistry - A European Journal*, **2019**, 25, 8982-8986	4.8	4
686	Strengths and limitations of size exclusion chromatography for investigating single chain folding – current status and future perspectives. *Polymer Chemistry*, **2019**, 10, 3410-3425	4.9	23
685	Lichtinduzierte orthogonale Bildung kovalenter Bindungen durch zwei Wellenlängen. *Angewandte Chemie*, **2019**, 131, 7548-7552	3.6	5
684	Hyphenation of size-exclusion chromatography to mass spectrometry for precision polymer analysis – a tutorial review. *Polymer Chemistry*, **2019**, 10, 3241-3256	4.9	11
683	Mapping the Compaction of Discrete Polymer Chains by Size Exclusion Chromatography Coupled to High-Resolution Mass Spectrometry. *Macromolecules*, **2019**, 52, 2597-2606	5.5	14
682	Protection-Group-Free Synthesis of Sequence-Defined Macromolecules via Precision – Orthogonal Photochemistry. *Angewandte Chemie - International Edition*, **2019**, 58, 7133-7137	16.4	23
681	Light-Controlled Orthogonal Covalent Bond Formation at Two Different Wavelengths. *Angewandte Chemie - International Edition*, **2019**, 58, 7470-7474	16.4	24
680	Visible-Light-Induced Passerini Multicomponent Polymerization. *Angewandte Chemie*, **2019**, 131, 5728-5732	3.6	1
679	Schutzgruppenfreie Synthese von sequenzdefinierten Makromolekülen mittels präziser – orthogonaler Photochemie. *Angewandte Chemie*, **2019**, 131, 7207-7211	3.6	0
678	3D Scaffolds to Study Basic Cell Biology. *Advanced Materials*, **2019**, 31, e1808110	24	66
677	Visible-Light-Induced Passerini Multicomponent Polymerization. *Angewandte Chemie - International Edition*, **2019**, 58, 5672-5676	16.4	29
676	Scalable Synthesis of Sequence-Defined Oligomers via Photoflow Chemistry. *ChemPhotoChem*, **2019**, 3, 225-228	3.3	15
675	Multimaterial 3D laser microprinting using an integrated microfluidic system. *Science Advances*, **2019**, 5, eaau9160	14.3	83

674	Synthesis of Single-Ring Nanoparticles Mimicking Natural Cyclotides by a Stepwise Folding-Activation-Collapse Process. *Macromolecular Rapid Communications*, **2019**, 40, e1800491	4.8	15
673	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	3.6	3
672	Adaptable and Reprogrammable Surfaces. *Advanced Materials*, **2019**, 31, e1902665	24	15
671	Two in One: Light as a Tool for 3D Printing and Erasing at the Microscale. *Advanced Materials*, **2019**, 31, e1904085	24	37
670	Self-reporting visible light-induced polymer chain collapse. *Polymer Chemistry*, **2019**, 10, 4513-4518	4.9	16
669	Exploring the Photochemical Reactivity of Multifunctional Photocaged Dienes in Continuous Flow. *ChemPhotoChem*, **2019**, 3, 1146-1152	3.3	3
668	From n-butyl acrylate Arrhenius parameters for backbiting and tertiary propagation to β-scission via stepwise pulsed laser polymerization. *Polymer Chemistry*, **2019**, 10, 4116-4125	4.9	22
667	Fully independent photochemical reactivity in one molecule. *Chemical Communications*, **2019**, 55, 9877-9880	5.8	3
666	Controlling biofilm formation with nitroxide functional surfaces. *Polymer Chemistry*, **2019**, 10, 4252-4258	4.9	11
665	Investigating the Photochemistry of Spiropyran Metal Complexes with Online LED-NMR. *Inorganic Chemistry*, **2019**, 58, 15479-15486	5.1	14
664	A Guanidine-Based Superbase as Efficient Chemiluminescence Booster. *Scientific Reports*, **2019**, 9, 14519	4.9	7
663	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	16.4	20
662	Photo-Cross-Linkable Polymer Inks for Solution-Based OLED Fabrication. *Macromolecules*, **2019**, 52, 9105-9113	5.5	13
661	Photoresists: Access to Disparate Soft Matter Materials by Curing with Two Colors of Light (Adv. Mater. 8/2019). *Advanced Materials*, **2019**, 31, 1970056	24	
660	Making Light Work of Material Design. *ChemPhotoChem*, **2019**, 3, 504-505	3.3	
659	Contemporary Photoligation Chemistry: The Visible Light Challenge. *Chemistry - A European Journal* , **2019**, 25, 3700-3709	4.8	23
658	More than Expected: Overall Initiation Efficiencies of Mono-, Bis-, and Tetraacylgermane Radical Initiators. *Macromolecules*, **2019**, 52, 281-291	5.5	13
657	Controlling Chain Coupling and Single-Chain Ligation by Two Colours of Visible Light. *Angewandte Chemie - International Edition*, **2019**, 58, 3604-3609	16.4	43

656	A New Class of Materials: Sequence-Defined Macromolecules and Their Emerging Applications. *Advanced Materials*, **2019**, 31, e1806027	24	68
655	Comb Polymers with Triazole Linkages under Thermal and Mechanical Stress. *Macromolecules*, **2019**, 52, 420-431	5.5	2
654	Kontrolle über Kettenvernetzung und Einzelkettenverknüpfung durch zwei Farben des sichtbaren Lichts. *Angewandte Chemie*, **2019**, 131, 3642-3648	3.6	16
653	Pyrene-Tagged Chloro Oximes as Ambient-Light-Accelerated Ligation Agents. *ChemPhotoChem*, **2019**, 3, 66-70	3.3	1
652	DNA-Polymer Conjugates by Photoinduced RAFT Polymerization. *Biomacromolecules*, **2019**, 20, 212-221	6.9	49
651	A New Approach for the Synthesis of Miktoarm Star Polymers Through a Combination of Thiol–Epoxy "Click" Chemistry and ATRP/Ring-Opening Polymerization Techniques. *Journal of Polymer Science Part A*, **2019**, 57, 146-156	2.5	5
650	STED-Inspired Laser Lithography Based on Photoswitchable Spirothiopyran Moieties. *Chemistry of Materials*, **2019**, 31, 1966-1972	9.6	33
649	Controlling the shape of 3D microstructures by temperature and light. *Nature Communications*, **2019**, 10, 232	17.4	124
648	Access to Disparate Soft Matter Materials by Curing with Two Colors of Light. *Advanced Materials*, **2019**, 31, e1807288	24	43
647	Polymer networks based on photo-caged diene dimerization. *Materials Horizons*, **2019**, 6, 81-89	14.4	15
646	Counting the Clicks in Fluorescent Polymer Networks. *Angewandte Chemie - International Edition*, **2018**, 57, 5925-5929	16.4	23
645	Reversible Surface Engineering via Nitrone-Mediated Radical Coupling. *Langmuir*, **2018**, 34, 3244-3255	4	2
644	Polymer on Top: Current Limits and Future Perspectives of Quantitatively Evaluating Surface Grafting. *Advanced Materials*, **2018**, 30, e1706321	24	44
643	Engineering Nitroxide Functional Surfaces Using Bioinspired Adhesion. *Langmuir*, **2018**, 34, 3264-3274	4	17
642	Direct access to biocompatible nitroxide containing polymers. *Polymer Chemistry*, **2018**, 9, 1348-1355	4.9	9
641	A Simple and Versatile Pathway for the Synthesis of Visible Light Photoreactive Nanoparticles. *Advanced Functional Materials*, **2018**, 28, 1800342	15.6	15
640	Bestimmung der Verknüpfungspunkte in fluoreszenten Polymernetzwerken. *Angewandte Chemie*, **2018**, 130, 6028-6033	3.6	6
639	Photochemical ligation meets nanocellulose: a versatile platform for self-reporting functional materials. *Materials Horizons*, **2018**, 5, 560-568	14.4	19

638	Visible Light Activation of Spin-Silenced Fluorescence. *Chemistry - A European Journal*, **2018**, 24, 12246-12249	5.2	10
637	Single-Chain Nanoparticles as Catalytic Nanoreactors. *Journal of the American Chemical Society*, **2018**, 140, 5875-5881	16.4	102
636	Tunable Blocking Agents for Temperature-Controlled Triazolinedione-Based Cross-Linking Reactions. *Macromolecules*, **2018**, 51, 3156-3164	5.5	17
635	Installing lactone chain termini during photoinduced polymerization. *Polymer Chemistry*, **2018**, 9, 3336-3341	4.9	3
634	Spatially resolved coding of orthogonal hydrogels by laser lithography. *Chemical Communications*, **2018**, 54, 2436-2439	5.8	20
633	Light-Induced Step-Growth Polymerization of AB-Type Photo-Monomers at Ambient Temperature. *ACS Macro Letters*, **2018**, 7, 201-207	6.6	16
632	A Combined Photochemical and Multicomponent Reaction Approach to Precision Oligomers. *Chemistry - A European Journal*, **2018**, 24, 3413-3419	4.8	29
631	Untapped potential for debonding on demand: the wonderful world of azo-compounds. *Materials Horizons*, **2018**, 5, 162-183	14.4	38
630	Ugi multicomponent reaction to prepare peptide peptoid hybrid structures with diverse chemical functionalities. *Polymer Chemistry*, **2018**, 9, 482-489	4.9	24
629	2D laser lithography on silicon substrates via photoinduced copper-mediated radical polymerization. *Chemical Communications*, **2018**, 54, 751-754	5.8	12
628	Delivery of Amonafide from Fructose-Coated Nanodiamonds by Oxime Ligation for the Treatment of Human Breast Cancer. *Biomacromolecules*, **2018**, 19, 481-489	6.9	30
627	A Priori Prediction of Mass Spectrometric Product Patterns of Photoinitiated Polymerizations. *ACS Macro Letters*, **2018**, 7, 132-136	6.6	7
626	Unraveling the Spontaneous Zwitterionic Copolymerization Mechanism of Cyclic Imino Ethers and Acrylic Acid. *Macromolecules*, **2018**, 51, 318-327	5.5	7
625	Reporting pH-sensitive drug release via unpaired spin fluorescence silencing. *Polymer Chemistry*, **2018**, 9, 499-505	4.9	5
624	Self-reporting and refoldable profluorescent single-chain nanoparticles. *Chemical Science*, **2018**, 9, 4696-4702	9.4	22
623	Folding polymer chains with visible light. *Chemical Communications*, **2018**, 54, 3476-3479	5.8	38
622	Interrupted CuAAC Ligation: An Efficient Approach to Fluorescence Labeled Three-Armed Mikto Star Polymers. *Macromolecules*, **2018**, 51, 2682-2689	5.5	10
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