# Christopher N Bowman

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 476 papers | 33,631 citations | 84 h-index | 166 g-index |
| 505 ext. papers | 36,871 ext. citations | 7.1 avg, IF | 7.68 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 476 | Photodisulfidation of alkenes with linear disulfides: Reaction scope and kinetics. *Tetrahedron*, **2022**, 109, 132683 | 2.4 | 1 |
| 475 | Manipulating the Relative Rates of Reaction and Diffusion in a Holographic Photopolymer Based on Thiol-Ene Chemistry. *Macromolecules*, **2022**, 55, 1822-1833 | 5.5 | 2 |
| 474 | Spatial and Temporal Control of Photomediated Disulfide-Ene and Thiol-Ene Chemistries for Two-Stage Polymerizations. *Macromolecules*, **2022**, 55, 1811-1821 | 5.5 | 1 |
| 473 | Kinetic Analysis of Degradation in Thioester Cross-linked Hydrogels as a Function of Thiol Concentration, pKa, and Presentation. *Macromolecules*, **2022**, 55, 2123-2129 | 5.5 | 1 |
| 472 | Athermal, Chemically Triggered Release of RNA from Thioester Nucleic Acids. *Angewandte Chemie - International Edition*, **2021**, | 16.4 | 1 |
| 471 | Additive Manufacture of Dynamic Thiol-ene Networks Incorporating Anhydride-Derived Reversible Thioester Links. *ACS Applied Materials & Interfaces*, **2021**, 13, 12789-12796 | 9.5 | 9 |
| 470 | High Refractive Index Photopolymers by Thiol-Yne "Click" Polymerization. *ACS Applied Materials & Interfaces*, **2021**, 13, 15647-15658 | 9.5 | 11 |
| 469 | Effects of Thiol Substitution on the Kinetics and Efficiency of Thiol-Michael Reactions and Polymerizations. *Macromolecules*, **2021**, 54, 3093-3100 | 5.5 | 3 |
| 468 | Poly(triazole) Glassy Networks via Thiol-Norbornene Photopolymerization: Structure-Property Relationships and Implementation in 3D Printing. *Macromolecules*, **2021**, 54, 4042-4049 | 5.5 | 2 |
| 467 | Influence of Orientational Genesis on the Actuation of Monodomain Liquid Crystalline Elastomers. *Macromolecules*, **2021**, 54, 4023-4029 | 5.5 | 5 |
| 466 | Photoclick Chemistry: A Bright Idea. *Chemical Reviews*, **2021**, 121, 6915-6990 | 68.1 | 37 |
| 465 | Phosphonium Tetraphenylborate: A Photocatalyst for Visible-Light-Induced, Nucleophile-Initiated Thiol-Michael Addition Photopolymerization.. *ACS Macro Letters*, **2021**, 10, 84-89 | 6.6 | 1 |
| 464 | Light-Activated Stress Relaxation, Toughness Improvement, and Photoinduced Reversal of Physical Aging in Glassy Polymer Networks. *Advanced Materials*, **2021**, 33, e2007221 | 24 | 6 |
| 463 | Spatially Controlled Permeability and Stiffness in Photopatterned Two-Stage Reactive Polymer Films for Enhanced CO2 Barrier and Mechanical Toughness. *Macromolecules*, **2021**, 54, 44-52 | 5.5 | 2 |
| 462 | Systematic Modulation and Structure-Property Relationships in Photopolymerizable Thermoplastics. *ACS Applied Polymer Materials*, **2021**, 3, 1171-1181 | 4.3 | 2 |
| 461 | Determining Michael Acceptor Reactivity from Kinetic, Mechanistic, and Computational Analysis for the Base-catalyzed Thiol-Michael Reaction. *Polymer Chemistry*, **2021**, 12, 3619-3628 | 4.9 | 0 |
| 460 | Permanent and reversibly programmable shapes in liquid crystal elastomer microparticles capable of shape switching. *Soft Matter*, **2021**, 17, 467-474 | 3.6 | 5 |

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| 459 | Effects of network structures on the tensile toughness of copper-catalyzed azide-alkyne cycloaddition (CuAAC)-based photopolymers. *Macromolecules*, **2021**, 54, 747-756 | 5.5 | 4 |
| 458 | Enamine Organocatalysts for the Thiol-Michael Addition Reaction and Cross-Linking Polymerizations. *Macromolecules*, **2021**, 54, 1693-1701 | 5.5 | 1 |
| 457 | Charged Poly(-isopropylacrylamide) Nanogels for the Stabilization of High Isoelectric Point Proteins. *ACS Biomaterials Science and Engineering*, **2021**, 7, 4282-4292 | 5.5 | 2 |
| 456 | Synthesis and Characterization of Click Nucleic Acid Conjugated Polymeric Microparticles for DNA Delivery Applications. *Biomacromolecules*, **2021**, 22, 1127-1136 | 6.9 | 1 |
| 455 | Stimuli-Responsive Depolymerization of Poly(Phthalaldehyde) Copolymers and Networks. *Macromolecular Chemistry and Physics*, **2021**, 222, 2100111 | 2.6 | 0 |
| 454 | Substituted Thiols in Dynamic Thiol□Thioester Reactions. *Macromolecules*, **2021**, 54, 8341-8351 | 5.5 | 4 |
| 453 | 3D printing of sacrificial thioester elastomers using digital light processing for templating 3D organoid structures in soft biomatrices. *Biofabrication*, **2021**, 13, | 10.5 | 3 |
| 452 | Evaluation of a photo-initiated copper(I)-catalyzed azide-alkyne cycloaddition polymer network with improved water stability and high mechanical performance as an ester-free dental restorative. *Dental Materials*, **2021**, 37, 1592-1600 | 5.7 | 2 |
| 451 | The contribution of intermolecular forces to phototropic actuation of liquid crystalline elastomers. *Polymer Chemistry*, **2021**, 12, 1581-1587 | 4.9 | 9 |
| 450 | Surface Modification of (Non)-Fluorinated Vitrimers through Dynamic Transamination. *Macromolecular Rapid Communications*, **2021**, 42, e2000644 | 4.8 | 7 |
| 449 | Flory□Huggins Parameters for Thiol-ene Networks Using Hansen Solubility Parameters. *Macromolecules*, **2021**, 54, 11439-11448 | 5.5 | 1 |
| 448 | Snakeskin-Inspired Elastomers with Extremely Low Coefficient of Friction under Dry Conditions. *ACS Applied Materials & Interfaces*, **2020**, 12, 57450-57460 | 9.5 | 6 |
| 447 | Stress Relaxation via Covalent Dynamic Bonds in Nanogel-Containing Thiol□Ene Resins. *ACS Macro Letters*, **2020**, 9, 713-719 | 6.6 | 4 |
| 446 | Covalent Adaptable Networks: Toward Stimuli-Responsive Dynamic Thermosets through Continuous Development and Improvements in Covalent Adaptable Networks (CANs) (Adv. Mater. 20/2020). *Advanced Materials*, **2020**, 32, 2070158 | 24 | 1 |
| 445 | Development of thiourethanes as robust, reprocessable networks. *Polymer*, **2020**, 202, 122715 | 3.9 | 12 |
| 444 | Evaluation of Aromatic Thiols as Photoinitiators. *Macromolecules*, **2020**, 53, 5237-5247 | 5.5 | 8 |
| 443 | Enhancing the toughness of composites via dynamic thiol□thioester exchange (TTE) at the resin□filler interface. *Polymer Chemistry*, **2020**, 11, 4760-4767 | 4.9 | 5 |
| 442 | Viscoelastic and Thermoreversible Networks Crosslinked by Non-covalent Interactions Between "Clickable" Nucleic Acids Oligomers and DNA.. *Polymer Chemistry*, **2020**, 11, 2959-2968 | 4.9 | 10 |

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| 441 | Efficient cellular uptake of click nucleic acid modified proteins. *Chemical Communications*, **2020**, 56, 4820-4823 | 5.8 | 2 |
| 440 | Mixed mechanisms of bond exchange in covalent adaptable networks: monitoring the contribution of reversible exchange and reversible addition in thiol-succinic anhydride dynamic networks. *Polymer Chemistry*, **2020**, 11, 5365-5376 | 4.9 | 19 |
| 439 | Thiol-Anhydride Dynamic Reversible Networks. *Angewandte Chemie - International Edition*, **2020**, 59, 9345-9349 | 15.4 | 35 |
| 438 | Thiol-Anhydride Dynamic Reversible Networks. *Angewandte Chemie*, **2020**, 132, 9431-9435 | 3.6 | 5 |
| 437 | Flocculation behavior and mechanisms of block copolymer architectures on silica microparticle and Chlorella vulgaris systems. *Journal of Colloid and Interface Science*, **2020**, 567, 316-327 | 9.3 | 4 |
| 436 | Toward Stimuli-Responsive Dynamic Thermosets through Continuous Development and Improvements in Covalent Adaptable Networks (CANs). *Advanced Materials*, **2020**, 32, e1906876 | 24 | 110 |
| 435 | Reaction Environment Effect on the Kinetics of Radical Thiol-Ene Polymerizations in the Presence of Amines and Thiolate Anions. *ACS Macro Letters*, **2020**, 9, 174-179 | 6.6 | 12 |
| 434 | Additive manufacture of lightly crosslinked semicrystalline thiol-enes for enhanced mechanical performance. *Polymer Chemistry*, **2020**, 11, 39-46 | 4.9 | 19 |
| 433 | A photopolymerizable thermoplastic with tunable mechanical performance. *Materials Horizons*, **2020**, 7, 835-842 | 14.4 | 17 |
| 432 | Nanoimprint lithography: Emergent materials and methods of actuation. *Nano Today*, **2020**, 31, 100838 | 17.9 | 28 |
| 431 | Dynamic covalent chemistry (DCC) in dental restorative materials: Implementation of a DCC-based adaptive interface (AI) at the resin-filler interface for improved performance. *Dental Materials*, **2020**, 36, 53-59 | 5.7 | 9 |
| 430 | Vinyl sulfonamide based thermosetting composites via thiol-Michael polymerization. *Dental Materials*, **2020**, 36, 249-256 | 5.7 | 3 |
| 429 | Combined Dynamic Network and Filler Interface Approach for Improved Adhesion and Toughness in Pressure-Sensitive Adhesives. *ACS Applied Polymer Materials*, **2020**, 2, 1053-1060 | 4.3 | 16 |
| 428 | Messenger RNA enrichment using synthetic oligo(T) click nucleic acids. *Chemical Communications*, **2020**, 56, 13987-13990 | 5.8 | 4 |
| 427 | Chemical recycling of poly(thiourethane) thermosets enabled by dynamic thiourethane bonds. *Polymer Chemistry*, **2020**, 11, 6879-6883 | 4.9 | 14 |
| 426 | Effects of 1°, 2°, and 3°Thiols on Thiol-Ene Reactions: Polymerization Kinetics and Mechanical Behavior. *Macromolecules*, **2020**, 53, 5805-5815 | 5.5 | 13 |
| 425 | Reconfigurable and Spatially Programmable Chameleon Skin-Like Material Utilizing Light Responsive Covalent Adaptable Cholesteric Liquid Crystal Elastomers. *Advanced Functional Materials*, **2020**, 30, 2003150 | 15.6 | 25 |
| 424 | Degradable and Resorbable Polymers **2020**, 167-190 | | 6 |

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| 423 | Phototriggered Base Amplification for Thiol-Michael Addition Reactions in Cross-linked Photopolymerizations with Efficient Dark Cure. *Macromolecules*, **2020**, 53, 6331-6340 | 5.5 | 6 |
| 422 | Sequence-Controlled Synthesis of Advanced Clickable Synthetic Oligonucleotides. *Macromolecular Rapid Communications*, **2020**, 41, e2000327 | 4.8 | 6 |
| 421 | Holographic Photopolymer Material with High Dynamic Range ( via Thiol-Ene Click Chemistry. *ACS Applied Materials & Interfaces*, **2020**, 12, 44103-44109 | 9.5 | 15 |
| 420 | Click Nucleic Acid-DNA Binding Behavior: Dependence on Length, Sequence, and Ionic Strength. *Biomacromolecules*, **2020**, 21, 4205-4211 | 6.9 | 7 |
| 419 | Towards High-Efficiency Synthesis of Xenonucleic Acids. *Trends in Chemistry*, **2020**, 2, 43-56 | 14.8 | 7 |
| 418 | Phosphate-Based Cross-Linked Polymers from Iodo ne Photopolymerization: Tuning Surface Wettability through Thiol ne Chemistry. *ACS Macro Letters*, **2019**, 8, 213-217 | 6.6 | 8 |
| 417 | Independent Control of Singlet Oxygen and Radical Generation via Irradiation of a Two-Color Photosensitive Molecule. *Macromolecules*, **2019**, 52, 4968-4978 | 5.5 | 15 |
| 416 | Tunable Mechanical Anisotropy, Crack Guiding, and Toughness Enhancement in Two-Stage Reactive Polymer Networks. *Advanced Engineering Materials*, **2019**, 21, 1900578 | 3.5 | 9 |
| 415 | Photo-responsive liposomes composed of spiropyran-containing triazole-phosphatidylcholine: investigation of merocyanine-stacking effects on liposome-fiber assembly-transition. *Soft Matter*, **2019**, 15, 3740-3750 | 3.6 | 12 |
| 414 | Enabling Applications of Covalent Adaptable Networks. *Annual Review of Chemical and Biomolecular Engineering*, **2019**, 10, 175-198 | 8.9 | 80 |
| 413 | Click Nucleic Acid Mediated Loading of Prodrug Activating Enzymes in PEG-PLGA Nanoparticles for Combination Chemotherapy. *Biomacromolecules*, **2019**, 20, 1683-1690 | 6.9 | 7 |
| 412 | Realizing High Refractive Index Thiol-X Materials: A General and Scalable Synthetic Approach **2019**, 1, 582-588 | | 10 |
| 411 | Thermal Metamorphosis in (Meth)acrylate Photopolymers: Stress Relaxation, Reshaping, and Second-Stage Reaction. *Macromolecules*, **2019**, 52, 8114-8123 | 5.5 | 5 |
| 410 | Hybrid Cerasomes Composed of Phosphatidylcholines and Silica Networks for the Construction of Vesicular Materials with Functionalized Shells. *ACS Applied Nano Materials*, **2019**, 2, 7549-7558 | 5.6 | 4 |
| 409 | Catalyst-free, aza-Michael polymerization of hydrazides: polymerizability, kinetics, and mechanistic origin of an effect. *Polymer Chemistry*, **2019**, 10, 5790-5804 | 4.9 | 6 |
| 408 | Multifunctional monomers based on vinyl sulfonates and vinyl sulfonamides for crosslinking thiol-Michael polymerizations: monomer reactivity and mechanical behavior. *Chemical Communications*, **2018**, 54, 3034-3037 | 5.8 | 13 |
| 407 | Liposomes formed from photo-cleavable phospholipids: formation and photo-induced enhancement in permeability.. *RSC Advances*, **2018**, 8, 14669-14675 | 3.7 | 10 |
| 406 | Cytocompatibility and Cellular Internalization of PEGylated "Clickable" Nucleic Acid Oligomers. *Biomacromolecules*, **2018**, 19, 2535-2541 | 6.9 | 7 |

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| 405 | Photopolymerized dynamic hydrogels with tunable viscoelastic properties through thioester exchange. *Biomaterials*, **2018**, 178, 496-503 | 15.6 | 90 |
| 404 | Photopolymerized Triazole-Based Glassy Polymer Networks with Superior Tensile Toughness. *Advanced Functional Materials*, **2018**, 28, 1801095 | 15.6 | 19 |
| 403 | Dental Restorative Materials Based on Thiol-Michael Photopolymerization. *Journal of Dental Research*, **2018**, 97, 530-536 | 8.1 | 17 |
| 402 | Amine Induced Retardation of the Radical-Mediated Thiol-Ene Reaction via the Formation of Metastable Disulfide Radical Anions. *Journal of Organic Chemistry*, **2018**, 83, 2912-2919 | 4.2 | 21 |
| 401 | High Dynamic Range (ﬁ) Two-Stage Photopolymers via Enhanced Solubility of a High Refractive Index Acrylate Writing Monomer. *ACS Applied Materials & Interfaces*, **2018**, 10, 1217-1224 | 9.5 | 22 |
| 400 | Adaptable liquid crystal elastomers with transesterification-based bond exchange reactions. *Soft Matter*, **2018**, 14, 951-960 | 3.6 | 62 |
| 399 | Evaluation of biofilm formation on novel copper-catalyzed azide-alkyne cycloaddition (CuAAC)-based resins for dental restoratives. *Dental Materials*, **2018**, 34, 657-666 | 5.7 | 11 |
| 398 | o-Nitrobenzyl-Based Photobase Generators: Efficient Photoinitiators for Visible-Light Induced Thiol-Michael Addition Photopolymerization. *ACS Macro Letters*, **2018**, 7, 852-857 | 6.6 | 19 |
| 397 | Effects of Photodegradable o-Nitrobenzyl Nanogels on the Photopolymerization Process. *Macromolecular Materials and Engineering*, **2018**, 303, 1800206 | 3.9 | 2 |
| 396 | Mechanistic Modeling of the Thiol‐Michael Addition Polymerization Kinetics: Structural Effects of the Thiol and Vinyl Monomers. *Macromolecules*, **2018**, 51, 5979-5988 | 5.5 | 26 |
| 395 | Reconfigurable LC Elastomers: Using a Thermally Programmable Monodomain To Access Two-Way Free-Standing Multiple Shape Memory Polymers. *Macromolecules*, **2018**, 51, 5812-5819 | 5.5 | 57 |
| 394 | Recyclable and repolymerizable thiol‐X photopolymers. *Materials Horizons*, **2018**, 5, 1042-1046 | 14.4 | 30 |
| 393 | Assessment of TEMPO as a Thermally Activatable Base Generator and Its Use in Initiation of Thermally-Triggered Thiol-Michael Addition Polymerizations. *Polymer Chemistry*, **2018**, 9, 4294-4302 | 4.9 | 10 |
| 392 | Contact Line Pinning Is Not Required for Nanobubble Stability on Copolymer Brushes. *Journal of Physical Chemistry Letters*, **2018**, 9, 4239-4244 | 6.4 | 17 |
| 391 | Bistable and photoswitchable states of matter. *Nature Communications*, **2018**, 9, 2804 | 17.4 | 77 |
| 390 | A readily programmable, fully reversible shape-switching material. *Science Advances*, **2018**, 4, eaat4634 | 14.3 | 103 |
| 389 | A user's guide to the thiol-thioester exchange in organic media: scope, limitations, and applications in material science. *Polymer Chemistry*, **2018**, 9, 4523-4534 | 4.9 | 55 |
| 388 | A supramolecular hydrogel prepared from a thymine-containing artificial nucleolipid: study of assembly and lyotropic mesophases. *Soft Matter*, **2018**, 14, 7045-7051 | 3.6 | 9 |

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| 387 | Thermoreversible Folding as a Route to the Unique Shape-Memory Character in Ductile Polymer Networks. *ACS Applied Materials & Interfaces*, **2018**, 10, 22739-22745 | 9.5 | 12 |
| 386 | Fully recoverable rigid shape memory foam based on copper-catalyzed azide-alkyne cycloaddition (CuAAC) using a salt leaching technique. *Polymer Chemistry*, **2018**, 9, 121-130 | 4.9 | 12 |
| 385 | Photoinduced Pinocytosis for Artificial Cell and Protocell Systems. *Chemistry of Materials*, **2018**, 30, 8757-8763 | 9.8 | 7 |
| 384 | Implementation of two distinct wavelengths to induce multistage polymerization in shape memory materials and nanoimprint lithography. *Polymer*, **2018**, 156, 162-168 | 3.9 | 8 |
| 383 | Dynamic and Responsive DNA-like Polymers. *Journal of the American Chemical Society*, **2018**, 140, 13594-13598 | 14.4 | 26 |
| 382 | Productive Exchange of Thiols and Thioesters to Form Dynamic Polythioester-Based Polymers. *ACS Macro Letters*, **2018**, 7, 1312-1316 | 6.6 | 27 |
| 381 | Secondary Photocrosslinking of Click Hydrogels To Probe Myoblast Mechanotransduction in Three Dimensions. *Journal of the American Chemical Society*, **2018**, 140, 11585-11588 | 16.4 | 47 |
| 380 | New Generation of Clickable Nucleic Acids: Synthesis and Active Hybridization with DNA. *Biomacromolecules*, **2018**, 19, 4139-4146 | 6.9 | 14 |
| 379 | Formation of lipid vesicles in situ utilizing the thiol-Michael reaction. *Soft Matter*, **2018**, 14, 7645-7652 | 3.6 | 3 |
| 378 | Post-synthetic functionalization of a polysulfone scaffold with hydrazone-linked functionality. *Polymer Chemistry*, **2018**, 9, 3791-3797 | 4.9 | 2 |
| 377 | Production of dynamic lipid bilayers using the reversible thiol-thioester exchange reaction. *Chemical Communications*, **2018**, 54, 8108-8111 | 5.8 | 8 |
| 376 | Dynamic Covalent Chemistry at Interfaces: Development of Tougher, Healable Composites through Stress Relaxation at the Resin-Silica Nanoparticles Interface. *Advanced Materials Interfaces*, **2018**, 5, 1800511 | 4.6 | 26 |
| 375 | Photoinduced Tetrazole-Based Functionalization of Off-Stoichiometric Clickable Microparticles. *Advanced Functional Materials*, **2017**, 27, 1605317 | 15.6 | 17 |
| 374 | Photoinduced Plasticity in Cross-Linked Liquid Crystalline Networks. *Advanced Materials*, **2017**, 29, 1606509 | 24 | 84 |
| 373 | Thiol-Ene Chemistry **2017**, 117-145 | | 4 |
| 372 | Synthesis and Assembly of Click-Nucleic-Acid-Containing PEG-PLGA Nanoparticles for DNA Delivery. *Advanced Materials*, **2017**, 29, 1700743 | 24 | 51 |
| 371 | Light-Stimulated Permanent Shape Reconfiguration in Cross-Linked Polymer Microparticles. *ACS Applied Materials & Interfaces*, **2017**, 9, 14422-14428 | 9.5 | 21 |
| 370 | Application of an Addition-Fragmentation-Chain Transfer Monomer in Di(meth)acrylate Network Formation to Reduce Polymerization Shrinkage Stress. *Polymer Chemistry*, **2017**, 8, 4339-4351 | 4.9 | 39 |

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| 369 | Efficient Polymer-Polymer Conjugation via Thiol-ene Click Reaction. *Macromolecular Chemistry and Physics*, **2017**, 218, 1700073 | 2.6 | 48 |
| 368 | Kinetics and mechanics of photo-polymerized triazole-containing thermosetting composites via the copper(I)-catalyzed azide-alkyne cycloaddition. *Dental Materials*, **2017**, 33, 621-629 | 5.7 | 12 |
| 367 | Wavelength-Selective Sequential Polymer Network Formation Controlled with a Two-Color Responsive Initiation System. *Macromolecules*, **2017**, 50, 5652-5660 | 5.5 | 47 |
| 366 | Water-soluble clickable nucleic acid (CNA) polymer synthesis by functionalizing the pendant hydroxyl. *Chemical Communications*, **2017**, 53, 10156-10159 | 5.8 | 9 |
| 365 | Reduced shrinkage stress via photo-initiated copper(I)-catalyzed cycloaddition polymerizations of azide-alkyne resins. *Dental Materials*, **2016**, 32, 1332-1342 | 5.7 | 36 |
| 364 | Photoinduced Vesicle Formation via the Copper-Catalyzed Azide-Alkyne Cycloaddition Reaction. *Langmuir*, **2016**, 32, 8195-201 | 4 | 12 |
| 363 | Radical mediated thiol-ene/yne dispersion polymerizations. *Polymer*, **2016**, 105, 180-186 | 3.9 | 14 |
| 362 | Mechanistic Kinetic Modeling of Thiol-Michael Addition Photopolymerizations via Photocaged "Superbase" Generators: An Analytical Approach. *Macromolecules*, **2016**, 49, 8061-8074 | 5.5 | 22 |
| 361 | Rigid Origami via Optical Programming and Deferred Self-Folding of a Two-Stage Photopolymer. *ACS Applied Materials & Interfaces*, **2016**, 8, 29658-29667 | 9.5 | 13 |
| 360 | Photoresponsive Fiber Array: Toward Mimicking the Collective Motion of Cilia for Transport Applications. *Advanced Functional Materials*, **2016**, 26, 5322-5327 | 15.6 | 97 |
| 359 | Visible-Light-Initiated Thiol-Michael Addition Polymerizations with Coumarin-Based Photobase Generators: Another Photoclick Reaction Strategy. *ACS Macro Letters*, **2016**, 5, 229-233 | 6.6 | 45 |
| 358 | Thermomechanical Formation-Structure-Property Relationships in Photopolymerized Copper-Catalyzed Azide-Alkyne (CuAAC) Networks. *Macromolecules*, **2016**, 49, 1191-1200 | 5.5 | 31 |
| 357 | Ruthenium photoredox-triggered phospholipid membrane formation. *Organic and Biomolecular Chemistry*, **2016**, 14, 5555-8 | 3.9 | 19 |
| 356 | UV-Vis/FT-NIR monitoring of visible-light induced polymerization of PEGDA hydrogels initiated by eosin/triethanolamine/O. *Polymer Chemistry*, **2016**, 7, 592-602 | 4.9 | 24 |
| 355 | Kinetics of bulk photo-initiated copper(i)-catalyzed azide-alkyne cycloaddition (CuAAC) polymerizations. *Polymer Chemistry*, **2016**, 7, 603-612 | 4.9 | 46 |
| 354 | Pristine Polysulfone Networks as a Class of Polysulfide-Derived High-Performance Functional Materials. *Chemistry of Materials*, **2016**, 28, 5102-5109 | 9.6 | 28 |
| 353 | Scaffolded Thermally Remendable Hybrid Polymer Networks. *Advanced Functional Materials*, **2016**, 26, 1477-1485 | 15.6 | 64 |
| 352 | Remoldable Thiol-Ene Vitrimers for Photopatterning and Nanoimprint Lithography. *Macromolecules*, **2016**, 49, 8905-8913 | 5.5 | 61 |

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| 351 | Initiatorless Photopolymerization of Liquid Crystal Monomers. *ACS Applied Materials & Interfaces*, **2016**, 8, 28040-28046 | 9.5 | 24 |
| 350 | Multiple shape memory polymers based on laminates formed from thiol-click chemistry based polymerizations. *Soft Matter*, **2015**, 11, 6852-8 | 3.6 | 12 |
| 349 | Ester-free Thiol-X Resins: New Materials with Enhanced Mechanical Behavior and Solvent Resistance. *Polymer Chemistry*, **2015**, 6, 2234-2240 | 4.9 | 42 |
| 348 | Photo-induced bending in a light-activated polymer laminated composite. *Soft Matter*, **2015**, 11, 2673-82 | 3.6 | 46 |
| 347 | Thiol-Michael addition miniemulsion polymerizations: functional nanoparticles and reactive latex films. *Polymer Chemistry*, **2015**, 6, 3758-3763 | 4.9 | 25 |
| 346 | Coupled UV□Vis/FT□NIR Spectroscopy for Kinetic Analysis of Multiple Reaction Steps in Polymerizations. *Macromolecules*, **2015**, 48, 6781-6790 | 5.5 | 17 |
| 345 | Experimental and theoretical photoluminescence studies in nucleic acid assembled gold-upconverting nanoparticle clusters. *Nanoscale*, **2015**, 7, 17254-60 | 7.7 | 26 |
| 344 | Ester-free thiol-ene dental restoratives--Part B: Composite development. *Dental Materials*, **2015**, 31, 1263-70 | 5.7 | 22 |
| 343 | Ester-free thiol-ene dental restoratives--Part A: Resin development. *Dental Materials*, **2015**, 31, 1255-62 | 5.7 | 57 |
| 342 | Monodispersity/Narrow Polydispersity Cross-Linked Microparticles Prepared by Step-Growth Thiol□Michael Addition Dispersion Polymerizations. *Macromolecules*, **2015**, 48, 8461-8470 | 5.5 | 36 |
| 341 | Clickable Nucleic Acids: Sequence-Controlled Periodic Copolymer/Oligomer Synthesis by Orthogonal Thiol-X Reactions. *Angewandte Chemie*, **2015**, 127, 14670-14675 | 3.6 | 7 |
| 340 | Clickable Nucleic Acids: Sequence-Controlled Periodic Copolymer/Oligomer Synthesis by Orthogonal Thiol-X Reactions. *Angewandte Chemie - International Edition*, **2015**, 54, 14462-7 | 16.4 | 67 |
| 339 | Effects of oxygen on light activation in covalent adaptable network polymers. *Soft Matter*, **2015**, 11, 6134-44 | 3.6 | 12 |
| 338 | Tailorable and programmable liquid-crystalline elastomers using a two-stage thiol□acrylate reaction. *RSC Advances*, **2015**, 5, 18997-19001 | 3.7 | 212 |
| 337 | Click Chemistry in Materials Science. *Advanced Functional Materials*, **2014**, 24, 2572-2590 | 15.6 | 423 |
| 336 | Click Chemistry: Click Chemistry in Materials Science (Adv. Funct. Mater. 18/2014). *Advanced Functional Materials*, **2014**, 24, 2566-2566 | 15.6 | 2 |
| 335 | Monodisperse functional microspheres from step-growth □click□ polymerizations: preparation, functionalization and implementation. *Materials Horizons*, **2014**, 1, 535-539 | 14.4 | 46 |
| 334 | Smart shape changing and shape morphing polymeric materials. *Polymer*, **2014**, 55, 5847-5848 | 3.9 | 5 |

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| 333 | Reconfigurable surface patterns on covalent adaptive network polymers using nanoimprint lithography. *Polymer*, **2014**, 55, 5933-5937 | 3.9 | 19 |
| 332 | Photo-Mediated Copper(I)-Catalyzed Azide-Alkyne Cycloaddition (CuAAC) "Click" Reactions for Forming Polymer Networks as Shape Memory Materials. *Polymer*, **2014**, 55, 5880-5884 | 3.9 | 42 |
| 331 | Photo-CuAAC Induced Wrinkle Formation in a Thiol–Acrylate Elastomer via Sequential Click Reactions. *Chemistry of Materials*, **2014**, 26, 5303-5309 | 9.6 | 24 |
| 330 | Synthesis of novel trithiocarbonate and allyl sulfide containing monomers. *Polymer Chemistry*, **2014**, 5, 62-68 | 4.9 | 18 |
| 329 | Programmable mechanically assisted geometric deformations of glassy two-stage reactive polymeric materials. *ACS Applied Materials & Interfaces*, **2014**, 6, 6111-9 | 9.5 | 21 |
| 328 | New directions in the chemistry of shape memory polymers. *Polymer*, **2014**, 55, 5849-5872 | 3.9 | 147 |
| 327 | Spatial and Temporal Control of Thiol-Michael Addition via Photocaged Superbase in Photopatterning and Two-Stage Polymer Networks Formation. *Macromolecules*, **2014**, 47, 6159-6165 | 5.5 | 90 |
| 326 | Visible-Light Initiated Thiol-Michael Addition Photopolymerization Reactions.. *ACS Macro Letters*, **2014**, 3, 315-318 | 6.6 | 57 |
| 325 | Facile and Efficient Synthesis of Dendrimers and One-Pot Preparation of Dendritic–Linear Polymer Conjugates via a Single Chemistry: Utilization of Kinetically Selective Thiol–Michael Addition Reactions. *Macromolecules*, **2014**, 47, 4894-4900 | 5.5 | 33 |
| 324 | Evaluation and development of novel photoinitiator complexes for photoinitiating the copper-catalyzed azide–alkyne cycloaddition reaction. *Polymer Chemistry*, **2014**, 5, 1874-1882 | 4.9 | 53 |
| 323 | Triple Shape Memory Materials Incorporating Two Distinct Polymer Networks Formed by Selective Thiol–Michael Addition Reactions. *Macromolecules*, **2014**, 47, 4949-4954 | 5.5 | 78 |
| 322 | Controllable Reversible Addition–Fragmentation Termination Monomers for Advances in Photochemically Controlled Covalent Adaptable Networks. *Macromolecules*, **2014**, 47, 907-915 | 5.5 | 24 |
| 321 | Photoinduced diffusion through polymer networks. *Advanced Materials*, **2014**, 26, 6497-502 | 24 | 16 |
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