# Jeremiah A Johnson

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 138 papers | 12,609 citations | 22132 59 h-index | 25770 108 g-index |
| 153 all docs | 153 docs citations | 153 times ranked | 11507 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Bottlebrush polymers with flexible enantiomeric side chains display differential biological properties. Nature Chemistry, 2022, 14, 85-93. | 6.6 | 43 |
| 2 | Dynamic Polypyrrole Coreâ€“Shell Chemomechanical Actuators. Chemistry of Materials, 2022, 34, 3013-3019. | 3.2 | 7 |
| 3 | Introduction to molecularly defined polymers: synthesis and function. Polymer Chemistry, 2022, 13, 2400-2401. | 1.9 | 3 |
| 4 | Accelerating amorphous polymer electrolyte screening by learning to reduce errors in molecular dynamics simulated properties. Nature Communications, 2022, 13, . | 5.8 | 18 |
| 5 | Orthogonally deconstructable and depolymerizable polysilylethers via entropy-driven ring-opening metathesis polymerization. Chemical Communications, 2022, 58, 8496-8499. | 2.2 | 16 |
| 6 | Cleavable Comonomers for Chemically Recyclable Polystyrene: A General Approach to Vinyl Polymer Circularity. Journal of the American Chemical Society, 2022, 144, 12979-12988. | 6.6 | 53 |
| 7 | Endohedrally Functionalized Metalâ€“Organic Cage-Cross-Linked Polymer Gels as Modular Heterogeneous Catalysts. Journal of the American Chemical Society, 2022, 144, 13276-13284. | 6.6 | 24 |
| 8 | N-Heterocyclic carbeneâ€“carbodiimide (NHCâ€“CDI) betaine adducts: synthesis, characterization, properties, and applications. Chemical Science, 2021, 12, 2699-2715. | 3.7 | 8 |
| 9 | Molecularly Tunable Polyanions for Single-Ion Conductors and Poly(solvate ionic liquids). Chemistry of Materials, 2021, 33, 524-534. | 3.2 | 53 |
| 10 | PolyDAT: A Generic Data Schema for Polymer Characterization. Journal of Chemical Information and Modeling, 2021, 61, 1150-1163. | 2.5 | 16 |
| 11 | Design of BET Inhibitor Bottlebrush Prodrugs with Superior Efficacy and Devoid of Systemic Toxicities. Journal of the American Chemical Society, 2021, 143, 4714-4724. | 6.6 | 18 |
| 12 | Ultra-high-voltage Ni-rich layered cathodes in practical Li metal batteries enabled by a sulfonamide-based electrolyte. Nature Energy, 2021, 6, 495-505. | 19.8 | 323 |
| 13 | Clip Chemistry: Diverse (Bio)(macro)molecular and Material Function through Breaking Covalent Bonds. Chemical Reviews, 2021, 121, 7059-7121. | 23.0 | 75 |
| 14 | Molecular Characterization of Polymer Networks. Chemical Reviews, 2021, 121, 5042-5092. | 23.0 | 140 |
| 15 | Molecularly Designed Additives for Chemically Deconstructable Thermosets without Compromised Thermomechanical Properties. ACS Macro Letters, 2021, 10, 805-810. | 2.3 | 31 |
| 16 | Finding the right balance. Nature Energy, 2021, 6, 692-693. | 19.8 | 1 |
| 17 | Synthetic Glycomacromolecules of Defined Valency, Absolute Configuration, and Topology Distinguish between Human Lectins. Jacs Au, 2021, 1, 1621-1630. | 3.6 | 23 |
| 18 | Evolution of Toll-like receptor 7/8 agonist therapeutics and their delivery approaches: From antiviral formulations to vaccine adjuvants. Advanced Drug Delivery Reviews, 2021, 175, 113803. | 6.6 | 76 |

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|---|---|---|---|
| 19 | Continuous dimethyldioxirane generation for polymer epoxidation. Polymer Chemistry, 2021, 12, 489-493. | 1.9 | 5 |
| 20 | A low-cost tabletop tensile tester with optical extensometer. Materials Advances, 2021, 2, 6339-6343. | 2.6 | 3 |
| 21 | Stabilizing electrodeâ€“electrolyte interfaces to realize high-voltage Li\|\|LiCoO<sub>2</sub> batteries by a sulfonamide-based electrolyte. Energy and Environmental Science, 2021, 14, 6030-6040. | 15.6 | 84 |
| 22 | Toughening hydrogels through force-triggered chemical reactions that lengthen polymer strands. Science, 2021, 374, 193-196. | 6.0 | 124 |
| 23 | Radical PolyMOFs: A Role for Ligand Dispersity in Enabling Crystallinity. Chemistry of Materials, 2021, 33, 9508-9514. | 3.2 | 8 |
| 24 | Polymernetzwerke: Von Kunststoffen und Gelen zu porÃ¶sen GerÃ¼sten. Angewandte Chemie, 2020, 132, 5054-5085. | 1.6 | 16 |
| 25 | Polymer Networks: From Plastics and Gels to Porous Frameworks. Angewandte Chemie - International Edition, 2020, 59, 5022-5049. | 7.2 | 194 |
| 26 | FSI-inspired solvent and â€œfull fluorosulfonylâ€•electrolyte for 4 V class lithium-metal batteries. Energy and Environmental Science, 2020, 13, 212-220. | 15.6 | 198 |
| 27 | Photoswitchable Solâ€“Gel Transitions and Catalysis Mediated by Polymer Networks with CoumarinâĐDecorated Cu<sub>24</sub>L<sub>24</sub> Metalâ€“Organic Cages as Junctions. Angewandte Chemie - International Edition, 2020, 59, 2784-2792. | 7.2 | 58 |
| 28 | Photoswitchable Solâ€“Gel Transitions and Catalysis Mediated by Polymer Networks with CoumarinâĐDecorated Cu 24 L 24 Metalâ€“Organic Cages as Junctions. Angewandte Chemie, 2020, 132, 2806-2814. | 1.6 | 12 |
| 29 | An NâĐHeterocyclicâĐCarbeneâĐDerived Distonic Radical Cation. Angewandte Chemie, 2020, 132, 3980-3983. | 1.6 | 4 |
| 30 | An NâĐHeterocyclicâĐCarbeneâĐDerived Distonic Radical Cation. Angewandte Chemie - International Edition, 2020, 59, 3952-3955. | 7.2 | 16 |
| 31 | Effect of Chemical Variations in the Structure of Poly(ethylene oxide)-Based Polymers on Lithium Transport in Concentrated Electrolytes. Chemistry of Materials, 2020, 32, 121-126. | 3.2 | 27 |
| 32 | Cleavable comonomers enable degradable, recyclable thermoset plastics. Nature, 2020, 583, 542-547. | 13.7 | 253 |
| 33 | Pro-organic radical contrast agents (â€œpro-ORCAsâ€) for real-time MRI of pro-drug activation in biological systems. Polymer Chemistry, 2020, 11, 4768-4779. | 1.9 | 20 |
| 34 | Toward Designing Highly Conductive Polymer Electrolytes by Machine Learning Assisted Coarse-Grained Molecular Dynamics. Chemistry of Materials, 2020, 32, 4144-4151. | 3.2 | 63 |
| 35 | ABC triblock bottlebrush copolymer-based injectable hydrogels: design, synthesis, and application to expanding the therapeutic index of cancer immunochemotherapy. Chemical Science, 2020, 11, 5974-5986. | 3.7 | 40 |
| 36 | Quantitative Mapping of Molecular Substituents to Macroscopic Properties Enables Predictive Design of Oligoethylene Glycol-Based Lithium Electrolytes. ACS Central Science, 2020, 6, 1115-1128. | 5.3 | 15 |

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|---|---|---|---|
| 37 | Innentitelbild: Photoswitchable Solâ€“Gel Transitions and Catalysis Mediated by Polymer Networks with Coumarinâ€Ðecorated Cu<sub>24</sub>L<sub>24</sub> Metalâ€“Organic Cages as Junctions (Angew.) Tj ETQq1 1 0.784314 rgBT | | |
| 38 | Design of S-Substituted Fluorinated Aryl Sulfonamide-Tagged (S-FAST) Anions To Enable New Solvate Ionic Liquids for Battery Applications. Chemistry of Materials, 2019, 31, 7558-7564. | 3.2 | 11 |
| 39 | Molecular Design of Stable Sulfamide- and Sulfonamide-Based Electrolytes for Aprotic Li-O2 Batteries. CheM, 2019, 5, 2630-2641. | 5.8 | 53 |
| 40 | Modular Polymer Antigens To Optimize Immunity. Biomacromolecules, 2019, 20, 4370-4379. | 2.6 | 7 |
| 41 | PolyMOF Nanoparticles: Dual Roles of a Multivalent polyMOF Ligand in Size Control and Surface Functionalization. Angewandte Chemie, 2019, 131, 16829-16834. | 1.6 | 5 |
| 42 | PolyMOF Nanoparticles: Dual Roles of a Multivalent polyMOF Ligand in Size Control and Surface Functionalization. Angewandte Chemie - International Edition, 2019, 58, 16676-16681. | 7.2 | 44 |
| 43 | Tailored silyl ether monomers enable backbone-degradable polynorbornene-based linear, bottlebrush and star copolymers through ROMP. Nature Chemistry, 2019, 11, 1124-1132. | 6.6 | 129 |
| 44 | BigSMILES: A Structurally-Based Line Notation for Describing Macromolecules. ACS Central Science, 2019, 5, 1523-1531. | 5.3 | 134 |
| 45 | Extending the Phantom Network Theory to Account for Cooperative Effect of Defects. Macromolecular Symposia, 2019, 385, 1900010. | 0.4 | 6 |
| 46 | Counting loops in sidechain-crosslinked polymers from elastic solids to single-chain nanoparticles. Chemical Science, 2019, 10, 5332-5337. | 3.7 | 33 |
| 47 | A (Macro)Molecular-Level Understanding of Polymer Network Topology. Trends in Chemistry, 2019, 1, 318-334. | 4.4 | 127 |
| 48 | Polyoxazoline-Based Bottlebrush and Brush-Arm Star Polymers via ROMP: Syntheses and Applications as Organic Radical Contrast Agents. ACS Macro Letters, 2019, 8, 473-478. | 2.3 | 55 |
| 49 | Revisiting the Elasticity Theory for Real Gaussian Phantom Networks. Macromolecules, 2019, 52, 1685-1694. | 2.2 | 57 |
| 50 | Visible-light-mediated, additive-free, and open-to-air controlled radical polymerization of acrylates and acrylamides. Polymer Chemistry, 2019, 10, 1585-1590. | 1.9 | 42 |
| 51 | Antibody-targeting of ultra-small nanoparticles enhances imaging sensitivity and enables longitudinal tracking of multiple myeloma. Nanoscale, 2019, 11, 20485-20496. | 2.8 | 27 |
| 52 | Robust gold nanorods stabilized by bidentate N-heterocyclic-carbeneâ€“thiolate ligands. Nature Chemistry, 2019, 11, 57-63. | 6.6 | 109 |
| 53 | Brushâ€First ROMP of poly(ethylene oxide) macromonomers of varied length: impact of polymer architecture on thermal behavior and Li<sup>+</sup> conductivity. Journal of Polymer Science Part A, 2019, 57, 448-455. | 2.5 | 22 |
| 54 | Main-Chain Zwitterionic Supramolecular Polymers Derived from N-Heterocyclic Carbeneâ€“Carbodiimide (NHCâ€“CDI) Adducts. Macromolecules, 2018, 51, 3006-3016. | 2.2 | 19 |

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| 55 | Topological Structure of Networks Formed from Symmetric Four-Arm Precursors. Macromolecules, 2018, 51, 1224-1231. | 2.2 | 72 |
| 56 | Counting Secondary Loops Is Required for Accurate Prediction of End-Linked Polymer Network Elasticity. ACS Macro Letters, 2018, 7, 244-249. | 2.3 | 60 |
| 57 | Stereochemical Sequence Dictates Unimolecular Diblock Copolymer Assembly. Journal of the American Chemical Society, 2018, 140, 1596-1599. | 6.6 | 61 |
| 58 | Sub-10 nm Self-Assembly of Mesogen-Containing Grafted Macromonomers and Their Bottlebrush Polymers. Macromolecules, 2018, 51, 3680-3690. | 2.2 | 29 |
| 59 | Scalable Synthesis of Multivalent Macromonomers for ROMP. ACS Macro Letters, 2018, 7, 472-476. | 2.3 | 42 |
| 60 | Fluorinated Aryl Sulfonimide Tagged (FAST) salts: modular synthesis and structureâ€“property relationships for battery applications. Energy and Environmental Science, 2018, 11, 1326-1334. | 15.6 | 26 |
| 61 | Brush-First and ROMP-Out with Functional (Macro)monomers: Method Development, Structural Investigations, and Applications of an Expanded Brush-Arm Star Polymer Platform. Macromolecules, 2018, 51, 9861-9870. | 2.2 | 20 |
| 62 | Triply Loaded Nitroxide Brush-Arm Star Polymers Enable Metal-Free Millimetric Tumor Detection by Magnetic Resonance Imaging. ACS Nano, 2018, 12, 11343-11354. | 7.3 | 56 |
| 63 | Leaving Groups as Traceless Topological Modifiers for the Synthesis of Topologically Isomeric Polymer Networks. Journal of the American Chemical Society, 2018, 140, 14033-14037. | 6.6 | 27 |
| 64 | Janus Graft Block Copolymers: Design of a Polymer Architecture for Independently Tuned Nanostructures and Polymer Properties. Angewandte Chemie - International Edition, 2018, 57, 8493-8497. | 7.2 | 79 |
| 65 | Janus Graft Block Copolymers: Design of a Polymer Architecture for Independently Tuned Nanostructures and Polymer Properties. Angewandte Chemie, 2018, 130, 8629-8633. | 1.6 | 13 |
| 66 | Supramolecular Regulation of Anions Enhances Conductivity and Transference Number of Lithium in Liquid Electrolytes. Journal of the American Chemical Society, 2018, 140, 10932-10936. | 6.6 | 70 |
| 67 | Photoswitching topology in polymer networks with metalâ€“organic cages as crosslinks. Nature, 2018, 560, 65-69. | 13.7 | 266 |
| 68 | Reduction of liver fibrosis by rationally designed macromolecular telmisartan prodrugs. Nature Biomedical Engineering, 2018, 2, 822-830. | 11.6 | 26 |
| 69 | Polymers at the Interface with Biology. Biomacromolecules, 2018, 19, 3151-3162. | 2.6 | 10 |
| 70 | Reduction of (Meth)acrylate-Based Block Copolymers Provides Access to Self-Assembled Materials with Ultrasmall Domains. Macromolecules, 2018, 51, 6757-6763. | 2.2 | 34 |
| 71 | Hot lithium-oxygen batteries charge ahead. Science, 2018, 361, 758-758. | 6.0 | 20 |
| 72 | Templated Self-Assembly of a PS-Branch-PDMS Bottlebrush Copolymer. Nano Letters, 2018, 18, 4360-4369. | 4.5 | 54 |

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| 73 | A Rationally Designed Novel Polymer for Safe and Synergistic Delivery of High Dose Bortezomib, Pomalidomide/Lenalidomide, and Dexamethasone for Multiple Myeloma. Blood, 2018, 132, 4681-4681. | 0.6 | 0 |
| 74 | Logic-Controlled Radical Polymerization with Heat and Light: Multiple-Stimuli Switching of Polymer Chain Growth via a Recyclable, Thermally Responsive Gel Photoredox Catalyst. Journal of the American Chemical Society, 2017, 139, 2257-2266. | 6.6 | 114 |
| 75 | Living Additive Manufacturing: Transformation of Parent Gels into Diversely Functionalized Daughter Gels Made Possible by Visible Light Photoredox Catalysis. ACS Central Science, 2017, 3, 124-134. | 5.3 | 146 |
| 76 | Photo-regeneration of severed gel with iniferter-mediated photo-growth. Soft Matter, 2017, 13, 1978-1987. | 1.2 | 20 |
| 77 | Oddâ€“Even Effect of Junction Functionality on the Topology and Elasticity of Polymer Networks. Macromolecules, 2017, 50, 2556-2564. | 2.2 | 51 |
| 78 | Semibatch monomer addition as a general method to tune and enhance the mechanics of polymer networks via loop-defect control. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4875-4880. | 3.3 | 67 |
| 79 | Star PolyMOCs with Diverse Structures, Dynamics, and Functions by Threeâ€€Component Assembly. Angewandte Chemie - International Edition, 2017, 56, 188-192. | 7.2 | 62 |
| 80 | Star PolyMOCs with Diverse Structures, Dynamics, and Functions by Threeâ€€Component Assembly. Angewandte Chemie, 2017, 129, 194-198. | 1.6 | 17 |
| 81 | Mapping a stable solvent structure landscape for aprotic Liâ€“air battery organic electrolytes. Journal of Materials Chemistry A, 2017, 5, 23987-23998. | 5.2 | 33 |
| 82 | Mikto-Brush-Arm Star Polymers via Cross-Linking of Dissimilar Bottlebrushes: Synthesis and Solution Morphologies. ACS Macro Letters, 2017, 6, 963-968. | 2.3 | 41 |
| 83 | Kinetic Monte Carlo Simulation for Quantification of the Gel Point of Polymer Networks. ACS Macro Letters, 2017, 6, 1414-1419. | 2.3 | 64 |
| 84 | Block co-polyMOFs: assembly of polymerâ€“polyMOF hybrids via iterative exponential growth and â€œclickâ€•chemistry. Polymer Chemistry, 2017, 8, 4488-4493. | 1.9 | 44 |
| 85 | Nitroxide-Based Macromolecular Contrast Agents with Unprecedented Transverse Relaxivity and Stability for Magnetic Resonance Imaging of Tumors. ACS Central Science, 2017, 3, 800-811. | 5.3 | 126 |
| 86 | Reactions of Persistent Carbenes with Hydrogen-Terminated Silicon Surfaces. Journal of the American Chemical Society, 2016, 138, 8639-8652. | 6.6 | 61 |
| 87 | Tailoring the structure of polymer networks with iniferter-mediated photo-growth. Polymer Chemistry, 2016, 7, 2955-2964. | 1.9 | 40 |
| 88 | Polymer Structure Dependent Hierarchy in PolyMOC Gels. Macromolecules, 2016, 49, 6896-6902. | 2.2 | 48 |
| 89 | Block Co-PolyMOCs by Stepwise Self-Assembly. Journal of the American Chemical Society, 2016, 138, 10708-10715. | 6.6 | 65 |
| 90 | Graft-through Synthesis and Assembly of Janus Bottlebrush Polymers from A-Branch-B Diblock Macromonomers. Journal of the American Chemical Society, 2016, 138, 11501-11504. | 6.6 | 146 |

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| 91 | Using an RNAi Signature Assay To Guide the Design of Three-Drug-Conjugated Nanoparticles with Validated Mechanisms, In Vivo Efficacy, and Low Toxicity. Journal of the American Chemical Society, 2016, 138, 12494-12501. | 6.6 | 44 |
| 92 | Quantifying the impact of molecular defects on polymer network elasticity. Science, 2016, 353, 1264-1268. | 6.0 | 360 |
| 93 | Universal Cyclic Topology in Polymer Networks. Physical Review Letters, 2016, 116, 188302. | 2.9 | 89 |
| 94 | Iterative Exponential Growth Synthesis and Assembly of Uniform Diblock Copolymers. Journal of the American Chemical Society, 2016, 138, 9369-9372. | 6.6 | 107 |
| 95 | Highly branched and loop-rich gels via formation of metalâ€“organic cages linked by polymers. Nature Chemistry, 2016, 8, 33-41. | 6.6 | 234 |
| 96 | Light-Controlled Radical Polymerization: Mechanisms, Methods, and Applications. Chemical Reviews, 2016, 116, 10167-10211. | 23.0 | 883 |
| 97 | Cycloelimination of Imidazolidin-2-ylidene N-Heterocyclic Carbenes: Mechanism and Insights into the Synthesis of Stable â€œNHC-CDIâ€•Amidinates. Chemistry - A European Journal, 2015, 21, 5649-5649. | 1.7 | 0 |
| 98 | Improving photo-controlled living radical polymerization from trithiocarbonates through the use of continuous-flow techniques. Chemical Communications, 2015, 51, 6742-6745. | 2.2 | 117 |
| 99 | Loops versus Branch Functionality in Model Click Hydrogels. Macromolecules, 2015, 48, 8980-8988. | 2.2 | 86 |
| 100 | Cycloelimination of Imidazolidinâ€2â€ylidene Nâ€Heterocyclic Carbenes: Mechanism and Insights into the Synthesis of Stable â€œNHCâ€CDIâ€•Amidinates. Chemistry - A European Journal, 2015, 21, 5685-5688. | 1.7 | 21 |
| 101 | PEGylated N-Heterocyclic Carbene Anchors Designed To Stabilize Gold Nanoparticles in Biologically Relevant Media. Journal of the American Chemical Society, 2015, 137, 7974-7977. | 6.6 | 152 |
| 102 | Visible-Light-Controlled Living Radical Polymerization from a Trithiocarbonate Iniferter Mediated by an Organic Photoredox Catalyst. ACS Macro Letters, 2015, 4, 566-569. | 2.3 | 191 |
| 103 | Dual Role for 1,2,4,5-Tetrazines in Polymer Networks: Combining Dielsâ€“Alder Reactions and Metal Coordination To Generate Functional Supramolecular Gels. ACS Macro Letters, 2015, 4, 458-461. | 2.3 | 65 |
| 104 | Carbene Ligands in Surface Chemistry: From Stabilization of Discrete Elemental Allotropes to Modification of Nanoscale and Bulk Substrates. Chemical Reviews, 2015, 115, 11503-11532. | 23.0 | 267 |
| 105 | Scalable synthesis of sequence-defined, unimolecular macromolecules by Flow-IEG. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10617-10622. | 3.3 | 161 |
| 106 | Iterative exponential growth of stereo- and sequence-controlled polymers. Nature Chemistry, 2015, 7, 810-815. | 6.6 | 296 |
| 107 | Brushâ€First Synthesis of Coreâ€Photodegradable Miktoarm Star Polymers via ROMP: Towards Photoresponsive Selfâ€Assemblies. Macromolecular Rapid Communications, 2014, 35, 168-173. | 2.0 | 50 |
| 108 | Brushâ€first and Click: Efficient Synthesis of Nanoparticles that Degrade and Release Doxorubicin in Response to Light. Photochemistry and Photobiology, 2014, 90, 380-385. | 1.3 | 28 |

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| 109 | Redox-responsive branched-bottlebrush polymers for in vivo MRI and fluorescence imaging. Nature Communications, 2014, 5, 5460. | 5.8 | 231 |
| 110 | Crossover Experiments Applied to Network Formation Reactions: Improved Strategies for Counting Elastically Inactive Molecular Defects in PEG Gels and Hyperbranched Polymers. Journal of the American Chemical Society, 2014, 136, 9464-9470. | 6.6 | 82 |
| 111 | Synthesis of Acid-Labile PEG and PEG-Doxorubicin-Conjugate Nanoparticles via Brush-First ROMP. ACS Macro Letters, 2014, 3, 854-857. | 2.3 | 86 |
| 112 | A Convergent Synthetic Platform for Single-Nanoparticle Combination Cancer Therapy: Ratiometric Loading and Controlled Release of Cisplatin, Doxorubicin, and Camptothecin. Journal of the American Chemical Society, 2014, 136, 5896-5899. | 6.6 | 338 |
| 113 | Quantum rotation and translation of hydrogen molecules encapsulated inside C <sub>60</sub> : temperature dependence of inelastic neutron scattering spectra. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20110627. | 1.6 | 32 |
| 114 | Addressable Carbene Anchors for Gold Surfaces. Journal of the American Chemical Society, 2013, 135, 7418-7421. | 6.6 | 217 |
| 115 | Synthesis of Model Network Hydrogels via Tetrazineâ€<scp>O</scp>lefin Inverse Electron Demand Dielsâ€<scp>A</scp>lder Cycloaddition. Macromolecular Symposia, 2013, 329, 108-112. | 0.4 | 19 |
| 116 | Photoâ€controlled Growth of Telechelic Polymers and Endâ€linked Polymer Gels. Angewandte Chemie - International Edition, 2013, 52, 2235-2238. | 7.2 | 158 |
| 117 | Reply to Stadler: Combining network disassembly spectrometry with rheology/spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1973. | 3.3 | 17 |
| 118 | Particles without a Box: Brush-first Synthesis of Photodegradable PEG Star Polymers under Ambient Conditions. Journal of Visualized Experiments, 2013, , . | 0.2 | 11 |
| 119 | Counting primary loops in polymer gels. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19119-19124. | 3.3 | 189 |
| 120 | Application of <sup>1</sup>H DOSY for Facile Measurement of Polymer Molecular Weights. Macromolecules, 2012, 45, 9595-9603. | 2.2 | 175 |
| 121 | Inelastic neutron scattering investigations of the quantum molecular dynamics of a H<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>molecule entrapped inside a fullerene cage. Physical Review B, 2012, 85, . | 1.1 | 45 |
| 122 | â€œBrush-Firstâ€•Method for the Parallel Synthesis of Photocleavable, Nitroxide-Labeled Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 | 6.6 | 106 |
| 123 | Using EPR To Compare PEG-branch-nitroxide â€œBivalent-Brush Polymersâ€•and Traditional PEG Bottleâ€“Brush Polymers: Branching Makes a Difference. Macromolecules, 2012, 45, 8310-8318. | 2.2 | 46 |
| 124 | Influence of rare-earth ions on SiO<sub>2</sub>â€“Na<sub>2</sub>Oâ€“RE<sub>2</sub>O<sub>3</sub>glass structure. Journal of Physics Condensed Matter, 2011, 23, 065404. | 0.7 | 18 |
| 125 | Core-Clickable PEG-Branch-Azide Bivalent-Bottle-Brush Polymers by ROMP: Grafting-Through and Clicking-To. Journal of the American Chemical Society, 2011, 133, 559-566. | 6.6 | 320 |
| 126 | EPR Study of Spin Labeled Brush Polymers in Organic Solvents. Journal of the American Chemical Society, 2011, 133, 19953-19959. | 6.6 | 76 |

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| 127 | Timeâ€resolved investigations of erbium ions in ZBLANâ€based glasses and glass ceramics. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2649-2652. | 0.8 | 7 |
| 128 | Some hydrogels having novel molecular structures. Progress in Polymer Science, 2010, 35, 332-337. | 11.8 | 137 |
| 129 | Residue-specific incorporation of non-canonical amino acids into proteins: recent developments and applications. Current Opinion in Chemical Biology, 2010, 14, 774-780. | 2.8 | 284 |
| 130 | Inelastic neutron scattering of a quantum translator-rotator encapsulated in a closed fullerene cage: Isotope effects and translation-rotation coupling in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mtext>H</mml:mtext><mml:mn>2</mml:mn></mml:msub><mml:mo>@</mml:mo><xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow. Physical Review B, 2010, 82, . | 1.1 | 57 |
| 131 | A Magnetic Switch for Spin-Catalyzed Interconversion of Nuclear Spin Isomers. Journal of the American Chemical Society, 2010, 132, 4042-4043. | 6.6 | 32 |
| 132 | Drug-Loaded, Bivalent-Bottle-Brush Polymers by Graft-through ROMP. Macromolecules, 2010, 43, 10326-10335. | 2.2 | 289 |
| 133 | Construction of Linear Polymers, Dendrimers, Networks, and Other Polymeric Architectures by Copperâ€Catalyzed Azideâ€Alkyne Cycloaddition â€œClickâ€•Chemistry. Macromolecular Rapid Communications, 2008, 29, 1052-1072. | 2.0 | 302 |
| 134 | Copper-free click chemistry for the in situ crosslinking of photodegradable star polymers. Chemical Communications, 2008, , 3064. | 2.2 | 169 |
| 135 | Synthesis of Photocleavable Linear Macromonomers by ATRP and Star Macromonomers by a Tandem ATRPâ^'Click Reaction:Â Precursors to Photodegradable Model Networks. Macromolecules, 2007, 40, 3589-3598. | 2.2 | 148 |
| 136 | Toward the Syntheses of Universal Ligands for Metal Oxide Surfaces:Â Controlling Surface Functionality through Click Chemistry. Journal of the American Chemical Society, 2006, 128, 11356-11357. | 6.6 | 330 |
| 137 | Synthesis of Degradable Model Networks via ATRP and Click Chemistry. Journal of the American Chemical Society, 2006, 128, 6564-6565. | 6.6 | 214 |
| 138 | Hyperbranched fluoropolymer and linear poly(ethylene glycol) based amphiphilic crosslinked networks as efficient antifouling coatings: An insight into the surface compositions, topographies, and morphologies. Journal of Polymer Science Part A, 2004, 42, 6193-6208. | 2.5 | 206 |