

Jeremiah A Johnson

List of Publications by Year in descending order

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Version: 2024-02-01

138
papers

12,609
citations

25423

59
h-index

29333

108
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153
all docs

153
docs citations

153
times ranked

13067
citing authors

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

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19	Continuous dimethyldioxirane generation for polymer epoxidation. <i>Polymer Chemistry</i> , 2021, 12, 489-493.	1.9	5
20	A low-cost tabletop tensile tester with optical extensometer. <i>Materials Advances</i> , 2021, 2, 6339-6343.	2.6	3
21	Stabilizing electrode-electrolyte interfaces to realize high-voltage Li ₂ LiCoO ₂ batteries by a sulfonamide-based electrolyte. <i>Energy and Environmental Science</i> , 2021, 14, 6030-6040.	15.6	84
22	Toughening hydrogels through force-triggered chemical reactions that lengthen polymer strands. <i>Science</i> , 2021, 374, 193-196.	6.0	124
23	Radical PolyMOFs: A Role for Ligand Dispersity in Enabling Crystallinity. <i>Chemistry of Materials</i> , 2021, 33, 9508-9514.	3.2	8
24	Polymernetzwerke: Von Kunststoffen und Gelen zu porösen Gerüsten. <i>Angewandte Chemie</i> , 2020, 132, 5054-5085.	1.6	16
25	Polymer Networks: From Plastics and Gels to Porous Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5022-5049.	7.2	194
26	FSI-inspired solvent and a full fluorosulfonyl electrolyte for 4 V class lithium-metal batteries. <i>Energy and Environmental Science</i> , 2020, 13, 212-220.	15.6	198
27	Photoswitchable Sol-Gel Transitions and Catalysis Mediated by Polymer Networks with Coumarin-Decorated Cu ₂₄ L ₂₄ Metal-Organic Cages as Junctions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2784-2792.	7.2	58
28	Photoswitchable Sol-Gel Transitions and Catalysis Mediated by Polymer Networks with Coumarin-Decorated Cu ₂₄ L ₂₄ Metal-Organic Cages as Junctions. <i>Angewandte Chemie</i> , 2020, 132, 2806-2814.	1.6	12
29	An N-Heterocyclic Carbene-Derived Distonic Radical Cation. <i>Angewandte Chemie</i> , 2020, 132, 3980-3983.	1.6	4
30	An N-Heterocyclic Carbene-Derived Distonic Radical Cation. <i>Angewandte Chemie - International Edition</i> , 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. <i>Chemistry of Materials</i> , 2020, 32, 121-126.	3.2	27
32	Cleavable comonomers enable degradable, recyclable thermoset plastics. <i>Nature</i> , 2020, 583, 542-547.	13.7	253
33	Pro-organic radical contrast agents (pro-ORCA) for real-time MRI of pro-drug activation in biological systems. <i>Polymer Chemistry</i> , 2020, 11, 4768-4779.	1.9	20
34	Toward Designing Highly Conductive Polymer Electrolytes by Machine Learning Assisted Coarse-Grained Molecular Dynamics. <i>Chemistry of Materials</i> , 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. <i>Chemical Science</i> , 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. <i>ACS Central Science</i> , 2020, 6, 1115-1128.	5.3	15

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37	Innentitelbild: Photoswitchable Sol-Gel Transitions and Catalysis Mediated by Polymer Networks with Coumarin-Decorated Cu ₂₄ Metal-Organic Cages as Junctions (Angew. Tj EI@q1 1 0.084314		
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-O ₂ 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-carbene-thiolate ligands. Nature Chemistry, 2019, 11, 57-63.	6.6	109
53	Brush-First ROMP of poly(ethylene oxide) macromonomers of varied length: impact of polymer architecture on thermal behavior and Li ⁺ conductivity. Journal of Polymer Science Part A, 2019, 57, 448-455.	2.5	22
54	Main-Chain Zwitterionic Supramolecular Polymers Derived from N-Heterocyclic Carbene-Carbodiimide (NHC-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. <i>Macromolecules</i> , 2018, 51, 1224-1231.	2.2	72
56	Counting Secondary Loops Is Required for Accurate Prediction of End-Linked Polymer Network Elasticity. <i>ACS Macro Letters</i> , 2018, 7, 244-249.	2.3	60
57	Stereochemical Sequence Dictates Unimolecular Diblock Copolymer Assembly. <i>Journal of the American Chemical Society</i> , 2018, 140, 1596-1599.	6.6	61
58	Sub-10 nm Self-Assembly of Mesogen-Containing Grafted Macromonomers and Their Bottlebrush Polymers. <i>Macromolecules</i> , 2018, 51, 3680-3690.	2.2	29
59	Scalable Synthesis of Multivalent Macromonomers for ROMP. <i>ACS Macro Letters</i> , 2018, 7, 472-476.	2.3	42
60	Fluorinated Aryl Sulfonimide Tagged (FAST) salts: modular synthesis and structure–property relationships for battery applications. <i>Energy and Environmental Science</i> , 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. <i>Macromolecules</i> , 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. <i>ACS Nano</i> , 2018, 12, 11343-11354.	7.3	56
63	Leaving Groups as Traceless Topological Modifiers for the Synthesis of Topologically Isomeric Polymer Networks. <i>Journal of the American Chemical Society</i> , 2018, 140, 14033-14037.	6.6	27
64	Janus Graft Block Copolymers: Design of a Polymer Architecture for Independently Tuned Nanostructures and Polymer Properties. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8493-8497.	7.2	79
65	Janus Graft Block Copolymers: Design of a Polymer Architecture for Independently Tuned Nanostructures and Polymer Properties. <i>Angewandte Chemie</i> , 2018, 130, 8629-8633.	1.6	13
66	Supramolecular Regulation of Anions Enhances Conductivity and Transference Number of Lithium in Liquid Electrolytes. <i>Journal of the American Chemical Society</i> , 2018, 140, 10932-10936.	6.6	70
67	Photoswitching topology in polymer networks with metal–organic cages as crosslinks. <i>Nature</i> , 2018, 560, 65-69.	13.7	266
68	Reduction of liver fibrosis by rationally designed macromolecular telmisartan prodrugs. <i>Nature Biomedical Engineering</i> , 2018, 2, 822-830.	11.6	26
69	Polymers at the Interface with Biology. <i>Biomacromolecules</i> , 2018, 19, 3151-3162.	2.6	10
70	Reduction of (Meth)acrylate-Based Block Copolymers Provides Access to Self-Assembled Materials with Ultrasmall Domains. <i>Macromolecules</i> , 2018, 51, 6757-6763.	2.2	34
71	Hot lithium-oxygen batteries charge ahead. <i>Science</i> , 2018, 361, 758-758.	6.0	20
72	Templated Self-Assembly of a PS- <i>Branch</i> -PDMS Bottlebrush Copolymer. <i>Nano Letters</i> , 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. <i>Blood</i> , 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. <i>Journal of the American Chemical Society</i> , 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. <i>ACS Central Science</i> , 2017, 3, 124-134.	5.3	146
76	Photo-regeneration of severed gel with iniferter-mediated photo-growth. <i>Soft Matter</i> , 2017, 13, 1978-1987.	1.2	20
77	Odd-Even Effect of Junction Functionality on the Topology and Elasticity of Polymer Networks. <i>Macromolecules</i> , 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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4875-4880.	3.3	67
79	Star PolyMOCs with Diverse Structures, Dynamics, and Functions by Three-Component Assembly. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 188-192.	7.2	62
80	Star PolyMOCs with Diverse Structures, Dynamics, and Functions by Three-Component Assembly. <i>Angewandte Chemie</i> , 2017, 129, 194-198.	1.6	17
81	Mapping a stable solvent structure landscape for aprotic Li-air battery organic electrolytes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23987-23998.	5.2	33
82	Mikto-Brush-Arm Star Polymers via Cross-Linking of Dissimilar Bottlebrushes: Synthesis and Solution Morphologies. <i>ACS Macro Letters</i> , 2017, 6, 963-968.	2.3	41
83	Kinetic Monte Carlo Simulation for Quantification of the Gel Point of Polymer Networks. <i>ACS Macro Letters</i> , 2017, 6, 1414-1419.	2.3	64
84	Block co-polyMOFs: assembly of polymer-polyMOF hybrids via iterative exponential growth and click-chemistry. <i>Polymer Chemistry</i> , 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. <i>ACS Central Science</i> , 2017, 3, 800-811.	5.3	126
86	Reactions of Persistent Carbenes with Hydrogen-Terminated Silicon Surfaces. <i>Journal of the American Chemical Society</i> , 2016, 138, 8639-8652.	6.6	61
87	Tailoring the structure of polymer networks with iniferter-mediated photo-growth. <i>Polymer Chemistry</i> , 2016, 7, 2955-2964.	1.9	40
88	Polymer Structure Dependent Hierarchy in PolyMOC Gels. <i>Macromolecules</i> , 2016, 49, 6896-6902.	2.2	48
89	Block Co-PolyMOCs by Stepwise Self-Assembly. <i>Journal of the American Chemical Society</i> , 2016, 138, 10708-10715.	6.6	65
90	Graft-through Synthesis and Assembly of Janus Bottlebrush Polymers from A-Block-B Diblock Macromonomers. <i>Journal of the American Chemical Society</i> , 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. <i>Journal of the American Chemical Society</i> , 2016, 138, 12494-12501.	6.6	44
92	Quantifying the impact of molecular defects on polymer network elasticity. <i>Science</i> , 2016, 353, 1264-1268.	6.0	360
93	Universal Cyclic Topology in Polymer Networks. <i>Physical Review Letters</i> , 2016, 116, 188302.	2.9	89
94	Iterative Exponential Growth Synthesis and Assembly of Uniform Diblock Copolymers. <i>Journal of the American Chemical Society</i> , 2016, 138, 9369-9372.	6.6	107
95	Highly branched and loop-rich gels via formation of metal-organic cages linked by polymers. <i>Nature Chemistry</i> , 2016, 8, 33-41.	6.6	234
96	Light-Controlled Radical Polymerization: Mechanisms, Methods, and Applications. <i>Chemical Reviews</i> , 2016, 116, 10167-10211.	23.0	883
97	Cycloelimination of Imidazolidin-2-ylidene N-Heterocyclic Carbenes: Mechanism and Insights into the Synthesis of Stable α -NHC-CDI-Amidates. <i>Chemistry - A European Journal</i> , 2015, 21, 5649-5649.	1.7	0
98	Improving photo-controlled living radical polymerization from trithiocarbonates through the use of continuous-flow techniques. <i>Chemical Communications</i> , 2015, 51, 6742-6745.	2.2	117
99	Loops versus Branch Functionality in Model Click Hydrogels. <i>Macromolecules</i> , 2015, 48, 8980-8988.	2.2	86
100	Cycloelimination of Imidazolidin-2-ylidene N-Heterocyclic Carbenes: Mechanism and Insights into the Synthesis of Stable α -NHC-CDI-Amidates. <i>Chemistry - A European Journal</i> , 2015, 21, 5685-5688.	1.7	21
101	PEGylated N-Heterocyclic Carbene Anchors Designed To Stabilize Gold Nanoparticles in Biologically Relevant Media. <i>Journal of the American Chemical Society</i> , 2015, 137, 7974-7977.	6.6	152
102	Visible-Light-Controlled Living Radical Polymerization from a Trithiocarbonate Iniferter Mediated by an Organic Photoredox Catalyst. <i>ACS Macro Letters</i> , 2015, 4, 566-569.	2.3	191
103	Dual Role for 1,2,4,5-Tetrazines in Polymer Networks: Combining Diels-Alder Reactions and Metal Coordination To Generate Functional Supramolecular Gels. <i>ACS Macro Letters</i> , 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. <i>Chemical Reviews</i> , 2015, 115, 11503-11532.	23.0	267
105	Scalable synthesis of sequence-defined, unimolecular macromolecules by Flow-IEG. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10617-10622.	3.3	161
106	Iterative exponential growth of stereo- and sequence-controlled polymers. <i>Nature Chemistry</i> , 2015, 7, 810-815.	6.6	296
107	Brush-First Synthesis of Core-Photodegradable Miktoarm Star Polymers via ROMP: Towards Photoresponsive Self-Assemblies. <i>Macromolecular Rapid Communications</i> , 2014, 35, 168-173.	2.0	50
108	Brush-First and Click: Efficient Synthesis of Nanoparticles that Degrade and Release Doxorubicin in Response to Light. <i>Photochemistry and Photobiology</i> , 2014, 90, 380-385.	1.3	28

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109	Redox-responsive branched-bottlebrush polymers for in vivo MRI and fluorescence imaging. <i>Nature Communications</i> , 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. <i>Journal of the American Chemical Society</i> , 2014, 136, 9464-9470.	6.6	82
111	Synthesis of Acid-Labile PEG and PEG-Doxorubicin-Conjugate Nanoparticles via Brush-First ROMP. <i>ACS Macro Letters</i> , 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. <i>Journal of the American Chemical Society</i> , 2014, 136, 5896-5899.	6.6	338
113	Quantum rotation and translation of hydrogen molecules encapsulated inside C ₆₀ : temperature dependence of inelastic neutron scattering spectra. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20110627.	1.6	32
114	Addressable Carbene Anchors for Gold Surfaces. <i>Journal of the American Chemical Society</i> , 2013, 135, 7418-7421.	6.6	217
115	Synthesis of Model Network Hydrogels via Tetrazine- <i>o</i> -Inverse Electron Demand Diels-Alder Cycloaddition. <i>Macromolecular Symposia</i> , 2013, 329, 108-112.	0.4	19
116	Photocontrolled Growth of Telechelic Polymers and Endlinked Polymer Gels. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2235-2238.	7.2	158
117	Reply to Stadler: Combining network disassembly spectrometry with rheology/spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1973.	3.3	17
118	Particles without a Box: Brush-first Synthesis of Photodegradable PEG Star Polymers under Ambient Conditions. <i>Journal of Visualized Experiments</i> , 2013, , .	0.2	11
119	Counting primary loops in polymer gels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19119-19124.	3.3	189
120	Application of ¹ H DOSY for Facile Measurement of Polymer Molecular Weights. <i>Macromolecules</i> , 2012, 45, 9595-9603.	2.2	175
121	Inelastic neutron scattering investigations of the quantum molecular dynamics of a H ₂ molecule entrapped inside a fullerene cage. <i>Physical Review B</i> , 2012, 85, .	1.1	45
122	Brush-First 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- <i>branch</i> -nitroxide Bivalent-Brush Polymers and Traditional PEG Bottlebrush Polymers: Branching Makes a Difference. <i>Macromolecules</i> , 2012, 45, 8310-8318.	2.2	46
124	Influence of rare-earth ions on SiO ₂ -Na ₂ O-RE ₂ O-glass structure. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 065404.	0.7	18
125	Core-Clickable PEG- <i>Branch</i> -Azide Bivalent-Bottle-Brush Polymers by ROMP: Grafting-Through and Clicking-To. <i>Journal of the American Chemical Society</i> , 2011, 133, 559-566.	6.6	320
126	EPR Study of Spin Labeled Brush Polymers in Organic Solvents. <i>Journal of the American Chemical Society</i> , 2011, 133, 19953-19959.	6.6	76

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127	Time-resolved investigations of erbium ions in ZBLAN-based glasses and glass ceramics. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 2649-2652.	0.8	7
128	Some hydrogels having novel molecular structures. <i>Progress in Polymer Science</i> , 2010, 35, 332-337.	11.8	137
129	Residue-specific incorporation of non-canonical amino acids into proteins: recent developments and applications. <i>Current Opinion in Chemical Biology</i> , 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 $H^{22} @ C_{60}$ $H^{13} @ C_{60}$. <i>Physical Review B</i> , 2010, 82, .	11	57
131	A Magnetic Switch for Spin-Catalyzed Interconversion of Nuclear Spin Isomers. <i>Journal of the American Chemical Society</i> , 2010, 132, 4042-4043.	6.6	32
132	Drug-Loaded, Bivalent-Bottle-Brush Polymers by Graft-through ROMP. <i>Macromolecules</i> , 2010, 43, 10326-10335.	2.2	289
133	Construction of Linear Polymers, Dendrimers, Networks, and Other Polymeric Architectures by Copper-Catalyzed Azide-Alkyne Cycloaddition - Click Chemistry. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1052-1072.	2.0	302
134	Copper-free click chemistry for the in situ crosslinking of photodegradable star polymers. <i>Chemical Communications</i> , 2008, , 3064.	2.2	169
135	Synthesis of Photocleavable Linear Macromonomers by ATRP and Star Macromonomers by a Tandem ATRP-Click Reaction: Precursors to Photodegradable Model Networks. <i>Macromolecules</i> , 2007, 40, 3589-3598.	2.2	148
136	Toward the Syntheses of Universal Ligands for Metal Oxide Surfaces: Controlling Surface Functionality through Click Chemistry. <i>Journal of the American Chemical Society</i> , 2006, 128, 11356-11357.	6.6	330
137	Synthesis of Degradable Model Networks via ATRP and Click Chemistry. <i>Journal of the American Chemical Society</i> , 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. <i>Journal of Polymer Science Part A</i> , 2004, 42, 6193-6208.	2.5	206