Jeffrey S Moore

List of Publications by Year
in descending order

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530	56,204	834	1436
papers	citations	117 h-index	220 g-index

560	560	560	38011
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Frontal Polymerization of Stereoisomers: Distinct Microstructures and Properties in Endo- and Exo-Dicyclopentadiene Thermosets. Macromolecules, 2024, 57, 142-149.	5.1	6
2	Frontal Polymerization of Stereoisomers: Distinct Microstructures and Properties in Endo- and Exo-Dicyclopentadiene Thermosets. Macromolecules, 2024, 57, 142-149.	5.1	0
3	Simulation guided molecular design of hydrofluoroether solvent for high energy batteries. Journal of Materials Chemistry A, 2024, 12, 6294-6301.	10.5	2
4	Unraveling Reactivity Differences: Room-Temperature Ring-Opening Metathesis Polymerization (ROMP) versus Frontal ROMP. Journal of the American Chemical Society, 2024, 146, 7216-7221.	14.6	3
5	Photo-modulated activation of organic bases enabling microencapsulation and on-demand reactivity. Nature Communications, 2024, 15, .	13.2	0
6	A Thermally Stable SO₂-Releasing Mechanophore: Facile Activation, Single-Event Spectroscopy, and Molecular Dynamic Simulations. Journal of the American Chemical Society, 2024, 146, 10943-10952.	14.6	1
7	Beyond nothingness in the formation and functional relevance of voids in polymer films. Nature Communications, 2024, 15, .	13.2	0
8	Reprocessability in Engineering Thermosets Achieved Through Frontal Ringâ€Opening Metathesis Polymerization. Advanced Materials, 2024, 36, .	24.3	2
9	Using Data Science Tools to Reveal and Understand Subtle Relationships of Inhibitor Structure in Frontal Ring-Opening Metathesis Polymerization. Journal of the American Chemical Society, 2024, 146, 16375-16380.	14.6	0
10	The tension-activated carbonâ€“carbon bond. CheM, 2024, , .	12.2	0
11	Substituent Effects on Ring Opening Allene Metathesis: Polymerization Rate Enhancement and Regioregularity. Macromolecules, 2024, 57, 5350-5357.	5.1	0
12	Controlled patterning of crystalline domains by frontal polymerization. Nature, 2024, 634, 85-90.	36.2	0
13	Caged AIEgens: Multicolor and White Emission Triggered by Mechanical Activation. Journal of the American Chemical Society, 2024, 146, 27117-27126.	14.6	0
14	Efficient Manufacture, Deconstruction, and Upcycling of High-Performance Thermosets and Composites. , 2023, 1, 477-485.		17
15	Remolding and Deconstruction of Industrial Thermosets via Carboxylic Acid-Catalyzed Bifunctional Silyl Ether Exchange. Journal of the American Chemical Society, 2023, 145, 1916-1923.	14.6	25
16	Rapid Controlled Synthesis of Large Polymers by Frontal Ring-Opening Metathesis Polymerization. Macromolecules, 2023, 56, 1527-1533.	5.1	14
17	Frontal Polymerizations: From Chemical Perspectives to Macroscopic Properties and Applications. Chemical Reviews, 2023, 123, 3237-3298.	51.4	73
18	Liquid Redoxmers for Nonaqueous Redox Flow Batteries. ChemSusChem, 2023, 16, .	7.5	2

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19	Improved quantum yield in geometrically constrained tetraphenylethylene-based metalâ€“organic frameworks. CrystEngComm, 2023, 25, 2701-2705.	2.4	2
20	Plasma Electrochemistry for Carbonâ€“Carbon Bond Formation via Pinacol Coupling. Journal of the American Chemical Society, 2023, 145, 10470-10474.	14.6	9
21	A Model Ensemble Approach Enables Data-Driven Property Prediction for Chemically Deconstructable Thermosets in the Low-Data Regime. ACS Central Science, 2023, 9, 1810-1819.	12.3	10
22	Heterogenous electromediated depolymerization of highly crystalline polyoxymethylene. Nature Communications, 2023, 14, .	13.2	8
23	Active Learning Guided Computational Discovery of Plant-Based Redoxmers for Organic Nonaqueous Redox Flow Batteries. ACS Applied Materials & Interfaces, 2023, 15, 58309-58319.	8.3	1
24	Anisotropic Foams via Frontal Polymerization. Advanced Materials, 2022, 34, e2105821.	24.3	25
25	Production of Organizational Chiral Structures by Design. Journal of the American Chemical Society, 2022, 144, 824-831.	14.6	7
26	Ultrasound controlled mechanophore activation in hydrogels for cancer therapy. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.6	35
27	Trioxazolo[2³]metacyclophane: synthesis, structural analysis, and optical properties. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 81-87.	0.5	0
28	Mechanically Triggered Carbon Monoxide Release with Turn-On Aggregation-Induced Emission. Journal of the American Chemical Society, 2022, 144, 1125-1129.	14.6	73
29	Efficient Intermolecular Charge Transport in Ï€-Stacked Pyridinium Dimers Using Cucurbit[8]uril Supramolecular Complexes. Journal of the American Chemical Society, 2022, 144, 3162-3173.	14.6	28
30	Mesolytic cleavage of homobenzylic ethers for programmable end-of-life function in redoxmers. Journal of Materials Chemistry A, 2022, 10, 7739-7753.	10.5	7
31	Machine learning for polymeric materials: an introduction. Polymer International, 2022, 71, 537-542.	3.2	44
32	Using automated synthesis to understand the role of side chains on molecular charge transport. Nature Communications, 2022, 13, 2102.	13.2	16
33	Photoredox-Initiated Frontal Ring-Opening Metathesis Polymerization. ACS Macro Letters, 2022, 11, 780-784.	4.9	17
34	Mitigation of SARS-CoV-2 transmission at a large public university. Nature Communications, 2022, 13, .	13.2	25
35	Storable, Dual-Component Systems for Frontal Ring-Opening Metathesis Polymerization. Macromolecules, 2022, 55, 5459-5473.	5.1	12
36	Tandem Imine Formation and Alkyne Metathesis Enabled by Catalyst Choice. Journal of Organic Chemistry, 2022, 87, 8429-8436.	3.3	3

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37	Unzipping polymers significantly enhance energy flux of aluminized composites. Combustion and Flame, 2022, 244, 112242.	5.3	11
38	Switching Frontal Polymerization Mechanisms: FROMP and FRaP. ACS Macro Letters, 2022, 11, 1097-1101.	4.9	10
39	Extending BigSMILES to non-covalent bonds in supramolecular polymer assemblies. Chemical Science, 2022, 13, 12045-12055.	7.8	12
40	Frontal Polymerization of Dihydrofuran Comonomer Facilitates Thermoset Deconstruction. Chemistry of Materials, 2022, 34, 8790-8797.	7.1	27
41	Scalable Frontal Oligomerization: Insights from Advanced Mass Analysis. Macromolecules, 2022, 55, 8234-8241.	5.1	8
42	Ribosome-mediated biosynthesis of pyridazinone oligomers in vitro. Nature Communications, 2022, 13, .	13.2	13
43	There is Signal in Your Noise: A Case for Advanced Mass Analysis. ACS Polymers Au, 2022, 2, 392-396.	4.3	4
44	Self-Assembly of Repetitive Segment and Random Segment Polymer Architectures. ACS Macro Letters, 2022, 11, 1366-1372.	4.9	5
45	Modeling Clinical Empathy in Narrative Essays. , 2021, , .		1
46	Ribosome-mediated incorporation of fluorescent amino acids into peptides in vitro. Chemical Communications, 2021, 57, 2661-2664.	4.2	16
47	Spontaneous Patterning during Frontal Polymerization. ACS Central Science, 2021, 7, 603-612.	12.3	36
48	Fast, reversible mechanochromism of regioisomeric oxazine mechanophores: Developing in situ responsive force probes for polymeric materials. CheM, 2021, 7, 1080-1091.	12.2	92
49	Rapid synchronized fabrication of vascularized thermosets and composites. Nature Communications, 2021, 12, 2836.	13.2	36
50	Selective Ring-Opening Allene Metathesis: Polymerization or Ruthenium Vinylidene Formation. ACS Macro Letters, 2021, 10, 642-648.	4.9	10
51	Survey of Catalysts for Frontal Ring-Opening Metathesis Polymerization. Macromolecules, 2021, 54, 5117-5123.	5.1	32
52	Manipulating Frontal Polymerization and Instabilities with Phase-Changing Microparticles. Journal of Physical Chemistry B, 2021, 125, 7537-7545.	2.7	13
53	Transition between Nonresonant and Resonant Charge Transport in Molecular Junctions. Nano Letters, 2021, 21, 8340-8347.	9.5	17
54	Reversible Switching of Molecular Conductance in Viologens is Controlled by the Electrochemical Environment. Journal of Physical Chemistry C, 2021, 125, 21862-21872.	3.3	18

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55	Polymerâ^'Peptide Conjugates Convert Amyloid into Protein Nanobundles through Fragmentation and Lateral Association. ACS Applied Nano Materials, 2020, 3, 937-945.	5.2	11
56	Quantifying Error Correction through a Rule-Based Model of Strand Escape from an [n]-Rung Ladder. Journal of the American Chemical Society, 2020, 142, 162-168.	14.6	11
57	Photoexcitation of Grubbsâ€™ Second-Generation Catalyst Initiates Frontal Ring-Opening Metathesis Polymerization. ACS Macro Letters, 2020, 9, 1563-1568.	4.9	30
58	Kinetic and Thermodynamic Control in Dynamic Covalent Synthesis. Trends in Chemistry, 2020, 2, 1043-1051.	9.0	21
59	Fluorescence-Enabled Self-Reporting for Redox Flow Batteries. ACS Energy Letters, 2020, 5, 3062-3068.	18.4	11
60	Ribosome-mediated polymerization of longÂchainÂcarbon and cyclic amino acids into peptides in vitro. Nature Communications, 2020, 11, 4304.	13.2	63
61	Quantum Chemistry-Informed Active Learning to Accelerate the Design and Discovery of Sustainable Energy Storage Materials. Chemistry of Materials, 2020, 32, 6338-6346.	7.1	57
62	Localization of Spiropyran Activation. Langmuir, 2020, 36, 5847-5854.	3.7	9
63	Polymer with Competing Depolymerization Pathways: Chain Unzipping versus Chain Scission. ACS Macro Letters, 2020, 9, 855-859.	4.9	9
64	Covalent Agâ€“C Bonding Contacts from Unprotected Terminal Acetylenes for Molecular Junctions. Nano Letters, 2020, 20, 5490-5495.	9.5	29
65	Energy storage emerging: A perspective from the Joint Center for Energy Storage Research. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12550-12557.	7.6	237
66	Realistic Ion Dynamics through Charge Renormalization in Nonaqueous Electrolytes. Journal of Physical Chemistry B, 2020, 124, 3214-3220.	2.7	15
67	Kinetic Control in the Synthesis of a MÃ¶bius Tris((ethynyl)[5]helicene) Macrocycle Using Alkyne Metathesis. Journal of the American Chemical Society, 2020, 142, 6493-6498.	14.6	64
68	Charge Transport in Sequence-Defined Conjugated Oligomers. Journal of the American Chemical Society, 2020, 142, 4852-4861.	14.6	32
69	Triggered Transience of Plastic Materials by a Single Electron Transfer Mechanism. ACS Central Science, 2020, 6, 266-273.	12.3	27
70	Characterizing intermolecular interactions in redox-active pyridinium-based molecular junctions. Journal of Electroanalytical Chemistry, 2020, 875, 114070.	3.9	13
71	Cross-Linking Agents for Enhanced Performance of Thermosets Prepared via Frontal Ring-Opening Metathesis Polymerization. Macromolecules, 2020, 53, 8360-8366.	5.1	44
72	Rapid Synthesis of Elastomers and Thermosets with Tunable Thermomechanical Properties. ACS Macro Letters, 2020, 9, 819-824.	4.9	53

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73	Architecture-Controlled Ring-Opening Polymerization for Dynamic Covalent Poly(disulfide)s. Journal of the American Chemical Society, 2019, 141, 17075-17080.	14.6	151
74	Expanding the limits of the second genetic code with ribozymes. Nature Communications, 2019, 10, 5097.	13.2	87
75	Functionalized and Degradable Polyphthalaldehyde Derivatives. Journal of the American Chemical Society, 2019, 141, 14544-14548.	14.6	43
76	Charge Transport and Quantum Interference Effects in Oxazole-Terminated Conjugated Oligomers. Journal of the American Chemical Society, 2019, 141, 16079-16084.	14.6	34
77	Multivalent Polymerâ€“Peptide Conjugates: A General Platform for Inhibiting Amyloid Beta Peptide Aggregation. ACS Macro Letters, 2019, 8, 1365-1371.	4.9	13
78	Sterile particle-induced inflammation is mediated by macrophages releasing IL-33 through a Brutonâ€™s tyrosine kinase-dependent pathway. Nature Materials, 2019, 18, 289-297.	26.6	40
79	Multicolor Mechanochromism of a Polymer/Silica Composite with Dual Distinct Mechanophores. Journal of the American Chemical Society, 2019, 141, 1898-1902.	14.6	111
80	Modulating Noncovalent Cross-links with Molecular Switches. Journal of the American Chemical Society, 2019, 141, 3597-3604.	14.6	31
81	Frontal Ring-Opening Metathesis Copolymerization: Deviation of Front Velocity from Mixing Rules. ACS Macro Letters, 2019, 8, 846-851.	4.9	29
82	A tetrahedral molecular cage with a responsive vertex. Chemical Science, 2019, 10, 7043-7048.	7.8	15
83	Observation of Microheterogeneity in Highly Concentrated Nonaqueous Electrolyte Solutions. Journal of the American Chemical Society, 2019, 141, 8041-8046.	14.6	10
84	High-intensity focused ultrasound-induced mechanochemical transduction in synthetic elastomers. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10214-10222.	7.6	65
85	Effect of Polymerized Ionic Liquid Structure and Morphology on Shockwave Energy Dissipation. ACS Macro Letters, 2019, 8, 535-539.	4.9	13
86	Correlation of Immune Markers With Outcomes in Biliary Atresia Following Intravenous Immunoglobulin Therapy. Hepatology Communications, 2019, 3, 685-696.	4.4	19
87	Spatially Selective and Density-Controlled Activation of Interfacial Mechanophores. Journal of the American Chemical Society, 2019, 141, 4080-4085.	14.6	49
88	Molecular Sciences Made Personal: Developing Curiosity in General and Organic Chemistry with a Multi-Semester Utility Value Intervention. ACS Symposium Series, 2019, , 105-118.	0.0	2
89	Intrachain Charge Transport through Conjugated Donorâ€“Acceptor Oligomers. ACS Applied Electronic Materials, 2019, 1, 7-12.	4.4	26
90	Frontal polymerization accelerated by continuous conductive elements. Journal of Applied Polymer Science, 2019, 136, 47418.	2.7	28

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91	Fully Recyclable Metastable Polymers and Composites. Chemistry of Materials, 2019, 31, 398-406.	7.1	56
92	Processing-dependent mechanical properties of solvent cast cyclic polyphthalaldehyde. Polymer, 2019, 162, 29-34.	3.9	7
93	A Robust Oil-in-Oil Emulsion for the Nonaqueous Encapsulation of Hydrophilic Payloads. Journal of the American Chemical Society, 2018, 140, 3619-3625.	14.6	46
94	Product Distribution from Precursor Bite Angle Variation in Multitopic Alkyne Metathesis: Evidence for a Putative Kinetic Bottleneck. Journal of the American Chemical Society, 2018, 140, 5825-5833.	14.6	36
95	Effect of the Backbone Tether on the Electrochemical Properties of Soluble Cyclopropenium Redox-Active Polymers. Macromolecules, 2018, 51, 3539-3546.	5.1	44
96	Frontal Polymerization of Dicyclopentadiene: A Numerical Study. Journal of Physical Chemistry B, 2018, 122, 4583-4591.	2.7	54
97	Cyclic Poly(phthalaldehyde): Thermoforming a Bulk Transient Material. ACS Macro Letters, 2018, 7, 47-52.	4.9	42
98	Electrostatically Driven Guest Binding in a Self-Assembled Porous Network at the Liquid/Solid Interface. Langmuir, 2018, 34, 6036-6045.	3.7	8
99	Interfacial Mechanophore Activation Using Laser-Induced Stress Waves. Journal of the American Chemical Society, 2018, 140, 5000-5003.	14.6	38
100	Size control of cross-linked carboxy-functionalized polystyrene particles: Four orders of magnitude of dimensional versatility. European Polymer Journal, 2018, 101, 202-210.	5.6	14
101	Programmable Payload Release from Transient Polymer Microcapsules Triggered by a Specific Ion Coactivation Effect. Journal of the American Chemical Society, 2018, 140, 94-97.	14.6	29
102	Colloidal Metalâ€“Organic Framework Hexapods Prepared from Postsynthesis Etching with Enhanced Catalytic Activity and Rollable Packing. ACS Applied Materials & Interfaces, 2018, 10, 40990-40995.	8.3	22
103	Autonomous Damage Detection in Multilayered Coatings via Integrated Aggregation-Induced Emission Luminogens. ACS Applied Materials & Interfaces, 2018, 10, 40361-40365.	8.3	39
104	Mechanical Reactivity of Two Different Spiropyran Mechanophores in Polydimethylsiloxane. Macromolecules, 2018, 51, 9177-9183.	5.1	116
105	Designing Redox-Active Oligomers for Crossover-Free, Nonaqueous Redox-Flow Batteries with High Volumetric Energy Density. Chemistry of Materials, 2018, 30, 3861-3866.	7.1	64
106	Dynamic Remodeling of Covalent Networks via Ring-Opening Metathesis Polymerization. ACS Macro Letters, 2018, 7, 933-937.	4.9	60
107	Impact of Charge Transport Dynamics and Conditioning on Cycling Efficiency within Single Redox Active Colloids. ChemElectroChem, 2018, 5, 3006-3013.	3.5	20
108	Pediatric Pulmonary Artery Rehabilitation: A Review of Our Experience and a Novel Approach Using Bronchial Blockers. Pediatric Cardiology, 2018, 39, 1236-1241.	1.4	3

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109	Accelerated Thermal Depolymerization of Cyclic Polyphthalaldehyde with a Polymeric Thermoacid Generator. Macromolecular Rapid Communications, 2018, 39, e1800046.	4.4	11
110	Rapid energy-efficient manufacturing of polymers and composites via frontal polymerization. Nature, 2018, 557, 223-227.	36.2	349
111	Solidâ€“Liquid Lithium Electrolyte Nanocomposites Derived from Porous Molecular Cages. Journal of the American Chemical Society, 2018, 140, 7504-7509.	14.6	42
112	The ultrastructure of escape organs: setose arms and cross-striated muscles in Hexarthra mira (Rotifera: Gnesiotrocha: Flosculariaceae). Zoomorphology, 2017, 136, 159-173.	1.0	4
113	Macromolecular Design Strategies for Preventing Activeâ€Material Crossover in Nonâ€Aqueous Allâ€Organic Redoxâ€Flow Batteries. Angewandte Chemie - International Edition, 2017, 56, 1595-1599.	14.8	121
114	Impact of Shape Persistence on the Porosity of Molecular Cages. Journal of the American Chemical Society, 2017, 139, 3259-3264.	14.6	40
115	Macromolecular Design Strategies for Preventing Activeâ€Material Crossover in Nonâ€Aqueous Allâ€Organic Redoxâ€Flow Batteries. Angewandte Chemie, 2017, 129, 1617-1621.	2.1	25
116	Ultrafast Proton Transfer in Polymer Blends Triggered by Shock Waves. Journal of the American Chemical Society, 2017, 139, 3974-3977.	14.6	13
117	Effects of Cross-Linking Density on Interfacial Polymerization and Scaffold Formation in Functionalized Polymer Beads. Industrial & Engineering Chemistry Research, 2017, 56, 4883-4886.	3.8	9
118	Concentration-Dependent Dimerization of Anthraquinone Disulfonic Acid and Its Impact on Charge Storage. Chemistry of Materials, 2017, 29, 4801-4810.	7.1	105
119	Alkyl Phosphite Inhibitors for Frontal Ring-Opening Metathesis Polymerization Greatly Increase Pot Life. ACS Macro Letters, 2017, 6, 609-612.	4.9	88
120	Low-Ceiling-Temperature Polymer Microcapsules with Hydrophobic Payloads via Rapid Emulsion-Solvent Evaporation. ACS Applied Materials & Interfaces, 2017, 9, 20115-20123.	8.3	30
121	Polymerâ€“Peptide Conjugates Disassemble Amyloid Î² Fibrils in a Molecular-Weight Dependent Manner. Journal of the American Chemical Society, 2017, 139, 4298-4301.	14.6	76
122	A programmable soft chemo-mechanical actuator exploiting a catalyzed photochemical water-oxidation reaction. Soft Matter, 2017, 13, 7312-7317.	2.8	19
123	Redox Active Polymers for Non-Aqueous Redox Flow Batteries: Validation of the Size-Exclusion Approach. Journal of the Electrochemical Society, 2017, 164, A1688-A1694.	2.9	98
124	Hexagonal Molecular Tiling by Hexagonal Macrocycles at the Liquid/Solid Interface: Structural Effects on Packing Geometry. Langmuir, 2017, 33, 12453-12462.	3.7	23
125	Synthesis and structures of 11,11,12,12-tetracyano-2,6-diiodo-9,10-anthraquinodimethane and its 2:1 cocrystals with anthracene, pyrene and tetrathiafulvalene. Acta Crystallographica Section C, Structural Chemistry, 2016, 72, 923-931.	0.5	2
126	Polymers with autonomous life-cycle control. Nature, 2016, 540, 363-370.	36.2	343

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127	Dynamic Oddâ€“Even Effect in Liquid nâ€Alkanes near Their Melting Points. Angewandte Chemie, 2016, 128, 14296-14301.	2.1	3
128	Synthesis of Pyridineâ€“ and Pyrazineâ€“BF₃ Complexes and Their Characterization in Solution and Solid State. Journal of Physical Chemistry C, 2016, 120, 8461-8471.	3.3	21
129	Impact of electrolyte composition on the reactivity of a redox active polymer studied through surface interrogation and ion-sensitive scanning electrochemical microscopy. Analyst, The, 2016, 141, 3842-3850.	3.5	29
130	Scanning Electrochemical Microscopy and Hydrodynamic Voltammetry Investigation of Charge Transfer Mechanisms on Redox Active Polymers. Journal of the Electrochemical Society, 2016, 163, H3006-H3013.	2.9	38
131	Oddâ€“Even Structural Sensitivity on Dynamics in Network-Forming Ionic Liquids. Chemistry of Materials, 2016, 28, 3227-3233.	7.1	14
132	Regioisomer-Specific Mechanochromism of Naphthopyran in Polymeric Materials. Journal of the American Chemical Society, 2016, 138, 12328-12331.	14.6	178
133	Redox Active Polymers as Soluble Nanomaterials for Energy Storage. Accounts of Chemical Research, 2016, 49, 2649-2657.	16.6	118
134	Impact of Backbone Tether Length and Structure on the Electrochemical Performance of Viologen Redox Active Polymers. Chemistry of Materials, 2016, 28, 7362-7374.	7.1	64
135	Dynamic Oddâ€“Even Effect in Liquid nâ€Alkanes near Their Melting Points. Angewandte Chemie - International Edition, 2016, 55, 14090-14095.	14.8	46
136	Crystal Structure, Thermal Properties, and Shock-Wave-Induced Nucleation of 1,2-Bis(phenylethynyl)benzene. Crystal Growth and Design, 2016, 16, 6148-6151.	3.2	5
137	Synthesis of Cycloparaphenyleneacetylene via Alkyne Metathesis: C₇₀ Complexation and Copper-Free Triple Click Reaction. Journal of the American Chemical Society, 2016, 138, 13814-13817.	14.6	73
138	A Robust Damage-Reporting Strategy for Polymeric Materials Enabled by Aggregation-Induced Emission. ACS Central Science, 2016, 2, 598-603.	12.3	122
139	Redox Active Colloids as Discrete Energy Storage Carriers. Journal of the American Chemical Society, 2016, 138, 13230-13237.	14.6	118
140	Pressure-Induced Neutral-to-Ionic Transition in an Amorphous Organic Material. Chemistry of Materials, 2016, 28, 6446-6449.	7.1	4
141	Polymerization Initiated by Particle Contact: A Quiescent State Trigger for Materials Synthesis. Journal of the American Chemical Society, 2016, 138, 12336-12339.	14.6	5
142	Distinguishing Pseudomeningocele, Epidural Hematoma, and Postoperative Infection on Postoperative MRI. Clinical Spine Surgery, 2016, 29, E471-E474.	1.4	25
143	Arrhythmias After Stage I Hybrid Palliation in Single-Ventricle Patients. Pediatric Cardiology, 2016, 37, 1416-1421.	1.4	6
144	The lightest organic radical cation for charge storage in redox flow batteries. Scientific Reports, 2016, 6, 32102.	3.4	62

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145	Base-Triggered Degradation of Poly(vinyl ester sulfone)s with Tunable Sensitivity. ACS Macro Letters, 2016, 5, 1257-1260.	4.9	24
146	Highâ€Performance Mesostructured Organic Hybrid Pseudocapacitor Electrodes. Advanced Functional Materials, 2016, 26, 903-910.	16.5	65
147	Effect of Polymer Grafting Density on Mechanophore Activation at Heterointerfaces. ACS Macro Letters, 2016, 5, 819-822.	4.9	32
148	Cardiomyopathy Linked Mutations in Alpha Tropomyosin Influence Blocked State Stability but not Myosin Strong Binding. Biophysical Journal, 2016, 110, 124a-125a.	0.5	0
149	Crystal structures of three complexes of zinc chloride with tri-tert-butylphosphane. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 35-39.	0.5	4
150	Mechanogeneration of Acid from Oxime Sulfonates. Journal of the American Chemical Society, 2016, 138, 2540-2543.	14.6	49
151	Superoxide (Electro)Chemistry on Well-Defined Surfaces in Organic Environments. Journal of Physical Chemistry C, 2016, 120, 15909-15914.	3.3	26
152	Kinetically Trapped Tetrahedral Cages via Alkyne Metathesis. Journal of the American Chemical Society, 2016, 138, 2182-2185.	14.6	153
153	Is Molecular Weight or Degree of Polymerization a Better Descriptor of Ultrasound-Induced Mechanochemical Transduction?. ACS Macro Letters, 2016, 5, 177-180.	4.9	112
154	Depolymerizable polymers: preparation, applications, and future outlook. MRS Communications, 2015, 5, 191-204.	1.8	63
155	Rapid 3D Extrusion of Synthetic Tumor Microenvironments. Advanced Materials, 2015, 27, 5512-5517.	24.3	133
156	Biomimetische Selbstheilung. Angewandte Chemie, 2015, 127, 10572-10593.	2.1	31
157	Thermally Triggered Degradation of Transient Electronic Devices. Advanced Materials, 2015, 27, 3783-3788.	24.3	158
158	Biomimetic Selfâ€Healing. Angewandte Chemie - International Edition, 2015, 54, 10428-10447.	14.8	386
159	Molecular Design for Dual Modulation Effect of Amyloid Protein Aggregation. Journal of the American Chemical Society, 2015, 137, 8062-8068.	14.6	32
160	Synthesis and reactivity of anthracenyl-substituted arenediynes. Tetrahedron Letters, 2015, 56, 3155-3159.	1.4	5
161	Shock-Induced Ordering in a Nano-segregated Network-Forming Ionic Liquid. Journal of the American Chemical Society, 2015, 137, 16000-16003.	14.6	13
162	A Retro-Staudinger Cycloaddition: Mechanochemical Cycloelimination of a Î²-Lactam Mechanophore. Journal of the American Chemical Society, 2015, 137, 10946-10949.	14.6	64

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163	An Analysis of 2 Fusion Methods for the Treatment of Osteomyelitis Following Fractures About the Ankle. Foot and Ankle International, 2015, 36, 547-555.	2.2	13
164	Polymer Mechanochemistry: From Destructive to Productive. Accounts of Chemical Research, 2015, 48, 2181-2190.	16.6	545
165	Tunable Thermal Degradation of Poly(vinyl butyl carbonate sulfone)s via Side-Chain Branching. ACS Macro Letters, 2015, 4, 665-668.	4.9	53
166	pH-Dependent Switchable Permeability from Coreâ€“Shell Microcapsules. ACS Macro Letters, 2015, 4, 441-445.	4.9	11
167	New Frontiers for Encapsulation in the Chemical Industry. ACS Applied Materials & Interfaces, 2015, 7, 6359-6368.	8.3	62
168	Oligomer-Coated Carbon Nanotube Chemiresistive Sensors for Selective Detection of Nitroaromatic Explosives. ACS Applied Materials & Interfaces, 2015, 7, 7471-7475.	8.3	55
169	Trigger Chemistries for Better Industrial Formulations. ACS Applied Materials & Interfaces, 2015, 7, 6369-6382.	8.3	59
170	Water as a Promoter and Catalyst for Dioxygen Electrochemistry in Aqueous and Organic Media. ACS Catalysis, 2015, 5, 6600-6607.	11.7	103
171	Improved TTF functionalization of polymers for two-dimensional charge-transfer networks. Polymer Chemistry, 2015, 6, 8325-8330.	4.0	4
172	Evolutionary Design of Low Molecular Weight Organic Anolyte Materials for Applications in Nonaqueous Redox Flow Batteries. Journal of the American Chemical Society, 2015, 137, 14465-14472.	14.6	200
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