

Jeffrey Moore

List of Publications by Year in descending order

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495
papers

54,885
citations

906

116
h-index

1568

217
g-index

524
all docs

524
docs citations

524
times ranked

34027
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomic healing of polymer composites. <i>Nature</i> , 2001, 409, 794-797.	27.8	3,747
2	A Field Guide to Foldamers. <i>Chemical Reviews</i> , 2001, 101, 3893-4012.	47.7	2,167
3	Functional hydrogel structures for autonomous flow control inside microfluidic channels. <i>Nature</i> , 2000, 404, 588-590.	27.8	1,827
4	Force-induced activation of covalent bonds in mechanoresponsive polymeric materials. <i>Nature</i> , 2009, 459, 68-72.	27.8	1,446
5	Self-healing materials with microvascular networks. <i>Nature Materials</i> , 2007, 6, 581-585.	27.5	1,379
6	One-Dimensional Self-Assembly of Planar π -Conjugated Molecules: Adaptable Building Blocks for Organic Nanodevices. <i>Accounts of Chemical Research</i> , 2008, 41, 1596-1608.	15.6	1,136
7	Mechanically-Induced Chemical Changes in Polymeric Materials. <i>Chemical Reviews</i> , 2009, 109, 5755-5798.	47.7	1,130
8	Spontaneous assembly of a hinged coordination network. <i>Nature</i> , 1995, 374, 792-795.	27.8	842
9	Solvophobically Driven Folding of Nonbiological Oligomers. <i>Science</i> , 1997, 277, 1793-1796.	12.6	803
10	Surface-Directed Liquid Flow Inside Microchannels. <i>Science</i> , 2001, 291, 1023-1026.	12.6	723
11	Biasing reaction pathways with mechanical force. <i>Nature</i> , 2007, 446, 423-427.	27.8	722
12	Energy Transfer in Dendritic Macromolecules: Molecular Size Effects and the Role of an Energy Gradient. <i>Journal of the American Chemical Society</i> , 1996, 118, 9635-9644.	13.7	666
13	Shape-Persistent Molecular Architectures of Nanoscale Dimension. <i>Accounts of Chemical Research</i> , 1997, 30, 402-413.	15.6	613
14	Triggered Release from Polymer Capsules. <i>Macromolecules</i> , 2011, 44, 5539-5553.	4.8	534
15	Room temperature polyesterification. <i>Macromolecules</i> , 1990, 23, 65-70.	4.8	514
16	Shape-Persistent Macrocycles: Structures and Synthetic Approaches from Arylene and Ethynylene Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4416-4439.	13.8	513
17	Polymer Mechanochemistry: From Destructive to Productive. <i>Accounts of Chemical Research</i> , 2015, 48, 2181-2190.	15.6	506
18	Aromatic π -Stacking in Solution as Revealed through the Aggregation of Phenylacetylene Macrocycles. <i>Journal of the American Chemical Society</i> , 1996, 118, 1019-1027.	13.7	436

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19	Nucleation—elongation: a mechanism for cooperative supramolecular polymerization. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 3471-3491.	2.8	421
20	Dendrimer-Metalloporphyrins:Â Synthesis and Catalysis. <i>Journal of the American Chemical Society</i> , 1996, 118, 5708-5711.	13.7	393
21	Detection of Explosives with a Fluorescent Nanofibril Film. <i>Journal of the American Chemical Society</i> , 2007, 129, 6978-6979.	13.7	377
22	PNIPAM Chain Collapse Depends on the Molecular Weight and Grafting Density. <i>Langmuir</i> , 2006, 22, 4259-4266.	3.5	372
23	Biomimetic Self—Healing. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10428-10447.	13.8	370
24	Wax-Protected Catalyst Microspheres for Efficient Self-Healing Materials. <i>Advanced Materials</i> , 2005, 17, 205-208.	21.0	364
25	Mechanophore-Linked Addition Polymers. <i>Journal of the American Chemical Society</i> , 2007, 129, 13808-13809.	13.7	350
26	Microfluidic tectonics: A comprehensive construction platform for microfluidic systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 13488-13493.	7.1	342
27	Cooperative Conformational Transitions in Phenylene Ethynylene Oligomers:Â Chain-Length Dependence. <i>Journal of the American Chemical Society</i> , 1999, 121, 3114-3121.	13.7	341
28	Zeolite-like Behavior of a Coordination Network. <i>Journal of the American Chemical Society</i> , 1995, 117, 11600-11601.	13.7	339
29	Foldamer-Based Molecular Recognition. <i>Journal of the American Chemical Society</i> , 2000, 122, 2758-2762.	13.7	336
30	Shape-persistent arylene ethynylene macrocycles: syntheses and supramolecular chemistry. <i>Chemical Communications</i> , 2003, , 807-818.	4.1	327
31	Polymers with autonomous life-cycle control. <i>Nature</i> , 2016, 540, 363-370.	27.8	322
32	An organic solid with wide channels based on hydrogen bonding between macrocycles. <i>Nature</i> , 1994, 371, 591-593.	27.8	316
33	Design and synthesis of molecular turnstiles.. <i>Journal of the American Chemical Society</i> , 1995, 117, 10662-10671.	13.7	313
34	Rapid energy-efficient manufacturing of polymers and composites via frontal polymerization. <i>Nature</i> , 2018, 557, 223-227.	27.8	312
35	Self-healing thermoset using encapsulated epoxy-amine healing chemistry. <i>Polymer</i> , 2012, 53, 581-587.	3.8	308
36	Spectroscopic Evidence for Excitonic Localization in Fractal Antenna Supermolecules. <i>Physical Review Letters</i> , 1997, 78, 1239-1242.	7.8	295

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37	Solvophobic Driven π -Stacking of Phenylene Ethynylene Macrocycles and Oligomers. <i>Journal of the American Chemical Society</i> , 2000, 122, 11315-11319.	13.7	290
38	Autonomic Restoration of Electrical Conductivity. <i>Advanced Materials</i> , 2012, 24, 398-401.	21.0	287
39	Directed Energy Transfer Funnels in Dendrimeric Antenna Supermolecules. <i>Journal of Physical Chemistry B</i> , 1997, 101, 6318-6322.	2.6	279
40	Coordination Networks of 3,3'-Dicyanodiphenylacetylene and Silver(I) Salts: Structural Diversity through Changes in Ligand Conformation and Counterion. <i>Inorganic Chemistry</i> , 1997, 36, 2960-2968.	4.0	269
41	Electroluminescent diodes from a single component emitting layer of dendritic macromolecules. <i>Advanced Materials</i> , 1996, 8, 237-241.	21.0	268
42	Polymer mechanochemistry: techniques to generate molecular force via elongational flows. <i>Chemical Society Reviews</i> , 2013, 42, 7497.	38.1	266
43	Solvent-Promoted Self-Healing Epoxy Materials. <i>Macromolecules</i> , 2007, 40, 8830-8832.	4.8	265
44	Ultrasound-Induced Site-Specific Cleavage of Azo-Functionalized Poly(ethylene glycol). <i>Macromolecules</i> , 2005, 38, 8975-8978.	4.8	245
45	Self-Assembly of Folded Phenylene Ethynylene Oligomers into Helical Columns. <i>Journal of the American Chemical Society</i> , 2001, 123, 7978-7984.	13.7	244
46	Full Recovery of Fracture Toughness Using a Nontoxic Solvent-Based Self-Healing System. <i>Advanced Functional Materials</i> , 2008, 18, 1898-1904.	14.9	241
47	Phenylacetylene Dendrimers by the Divergent, Convergent, and Double-Stage Convergent Methods. <i>Journal of the American Chemical Society</i> , 1994, 116, 4537-4550.	13.7	238
48	Double Exponential Dendrimer Growth. <i>Journal of the American Chemical Society</i> , 1995, 117, 2159-2165.	13.7	238
49	Responsive biomimetic hydrogel valve for microfluidics. <i>Applied Physics Letters</i> , 2001, 78, 2589-2591.	3.3	234
50	Force-Induced Redistribution of a Chemical Equilibrium. <i>Journal of the American Chemical Society</i> , 2010, 132, 16107-16111.	13.7	234
51	Restoration of Large Damage Volumes in Polymers. <i>Science</i> , 2014, 344, 620-623.	12.6	230
52	ROMP Reactivity of endo- and exo-Dicyclopentadiene. <i>Macromolecules</i> , 2002, 35, 7878-7882.	4.8	227
53	Twist Sense Bias Induced by Chiral Side Chains in Helically Folded Oligomers. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 228-230.	13.8	223
54	Energy storage emerging: A perspective from the Joint Center for Energy Storage Research. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12550-12557.	7.1	218

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55	A Packing Model for Interpenetrated Diamondoid Structures—An Interpretation Based on the Constructive Interference of Supramolecular Networks. <i>Chemistry - A European Journal</i> , 1997, 3, 765-771.	3.3	212
56	Continuous Self-Healing Life Cycle in Vascularized Structural Composites. <i>Advanced Materials</i> , 2014, 26, 4302-4308.	21.0	209
57	Coordination Networks Based on Multitopic Ligands and Silver(I) Salts: A Study of Network Connectivity and Topology as a Function of Counterion. <i>Chemistry of Materials</i> , 1996, 8, 2030-2040.	6.7	206
58	Chain Length-Dependent Affinity of Helical Foldamers for a Rodlike Guest. <i>Journal of the American Chemical Society</i> , 2001, 123, 1792-1793.	13.7	203
59	Three-Dimensional Microvascular Fiber-Reinforced Composites. <i>Advanced Materials</i> , 2011, 23, 3654-3658.	21.0	203
60	Robust, Double-Walled Microcapsules for Self-Healing Polymeric Materials. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1195-1199.	8.0	202
61	Catalyst Morphology and Dissolution Kinetics of Self-Healing Polymers. <i>Chemistry of Materials</i> , 2006, 18, 1312-1317.	6.7	199
62	Mechanically triggered heterolytic unzipping of a low-ceiling-temperature polymer. <i>Nature Chemistry</i> , 2014, 6, 623-628.	13.6	198
63	Proton-Coupled Mechanochemical Transduction: A Mechanogenerated Acid. <i>Journal of the American Chemical Society</i> , 2012, 134, 12446-12449.	13.7	194
64	Geometrically-Controlled and Site-Specifically-Functionalized Phenylacetylene Macrocycles. <i>Journal of the American Chemical Society</i> , 1994, 116, 4227-4239.	13.7	193
65	Programmable Microcapsules from Self-Immolative Polymers. <i>Journal of the American Chemical Society</i> , 2010, 132, 10266-10268.	13.7	192
66	Evolutionary Design of Low Molecular Weight Organic Anolyte Materials for Applications in Nonaqueous Redox Flow Batteries. <i>Journal of the American Chemical Society</i> , 2015, 137, 14465-14472.	13.7	191
67	Fast pH- and Ionic Strength-Responsive Hydrogels in Microchannels. <i>Langmuir</i> , 2001, 17, 4758-4763.	3.5	183
68	Thermally Stable Autonomic Healing in Epoxy using a Dual-Microcapsule System. <i>Advanced Materials</i> , 2014, 26, 282-287.	21.0	183
69	Rapid Construction of Large-size Phenylacetylene Dendrimers up to 12.5 Nanometers in Molecular Diameter. <i>Angewandte Chemie International Edition in English</i> , 1993, 32, 1354-1357.	4.4	180
70	Nanofibril Self-Assembly of an Arylene Ethynylene Macrocyclic. <i>Journal of the American Chemical Society</i> , 2006, 128, 6576-6577.	13.7	179
71	The Chain-Length Dependence Test. <i>Accounts of Chemical Research</i> , 2006, 39, 11-20.	15.6	173
72	Triggered Transience of Metastable Poly(phthalaldehyde) for Transient Electronics. <i>Advanced Materials</i> , 2014, 26, 7637-7642.	21.0	173

#	ARTICLE	IF	CITATIONS
73	Impact of Redox-Active Polymer Molecular Weight on the Electrochemical Properties and Transport Across Porous Separators in Nonaqueous Solvents. <i>Journal of the American Chemical Society</i> , 2014, 136, 16309-16316.	13.7	172
74	Structure-Activity Relationships for Mechanochemical Activity Relationships for Cyclobutane Mechanophores. <i>Journal of the American Chemical Society</i> , 2011, 133, 18992-18998.	13.7	170
75	Regioisomer-Specific Mechanochromism of Naphthopyran in Polymeric Materials. <i>Journal of the American Chemical Society</i> , 2016, 138, 12328-12331.	13.7	163
76	Shear activation of mechanophore-crosslinked polymers. <i>Journal of Materials Chemistry</i> , 2011, 21, 8381.	6.7	162
77	Folding-driven synthesis of oligomers. <i>Nature</i> , 2001, 414, 889-893.	27.8	161
78	Arylene Ethynylene Macrocycles Prepared by Precipitation-Driven Alkyne Metathesis. <i>Journal of the American Chemical Society</i> , 2004, 126, 12796-12796.	13.7	161
79	Life extension of self-healing polymers with rapidly growing fatigue cracks. <i>Journal of the Royal Society Interface</i> , 2007, 4, 395-403.	3.4	161
80	Soluble, chiral polyacetylenes: syntheses and investigation of their solution conformation. <i>Journal of the American Chemical Society</i> , 1991, 113, 1704-1712.	13.7	158
81	Nanoarchitectures. 6. Liquid Crystals Based on Shape-Persistent Macrocyclic Mesogens. <i>Journal of the American Chemical Society</i> , 1994, 116, 2655-2656.	13.7	158
82	Autonomic Shutdown of Lithium-Ion Batteries Using Thermoresponsive Microspheres. <i>Advanced Energy Materials</i> , 2012, 2, 583-590.	19.5	158
83	Microencapsulation of a Reactive Liquid-Phase Amine for Self-Healing Epoxy Composites. <i>Macromolecules</i> , 2010, 43, 1855-1859.	4.8	155
84	Principles of Surface-Directed Liquid Flow in Microfluidic Channels. <i>Analytical Chemistry</i> , 2002, 74, 4259-4268.	6.5	154
85	Toward a Molecular Understanding of Energetics in Li-S Batteries Using Nonaqueous Electrolytes: A High-Level Quantum Chemical Study. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11545-11558.	3.1	154
86	Use of Corticosteroids After Hepatoporoenterostomy for Bile Drainage in Infants With Biliary Atresia. <i>JAMA - Journal of the American Medical Association</i> , 2014, 311, 1750.	7.4	153
87	Thermally Triggered Degradation of Transient Electronic Devices. <i>Advanced Materials</i> , 2015, 27, 3783-3788.	21.0	153
88	Autonomic Healing of Epoxy Vinyl Esters via Ring Opening Metathesis Polymerization. <i>Advanced Functional Materials</i> , 2008, 18, 44-52.	14.9	150
89	Highly Active Trialkoxymolybdenum(VI) Alkylidyne Catalysts Synthesized by a Reductive Recycle Strategy. <i>Journal of the American Chemical Society</i> , 2004, 126, 329-335.	13.7	149
90	Masked Cyanoacrylates Unveiled by Mechanical Force. <i>Journal of the American Chemical Society</i> , 2010, 132, 4558-4559.	13.7	149

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91	Controlling the Secondary Structure of Nonbiological Oligomers with Solvophobic and Coordination Interactions. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 233-236.	13.8	148
92	The Anatomic Pattern of Biliary Atresia Identified at Time of Kasai Hepatopertoenterostomy and Early Postoperative Clearance of Jaundice Are Significant Predictors of Transplant-Free Survival. <i>Annals of Surgery</i> , 2011, 254, 577-585.	4.2	147
93	Kinetically Trapped Tetrahedral Cages via Alkyne Metathesis. <i>Journal of the American Chemical Society</i> , 2016, 138, 2182-2185.	13.7	146
94	Controlled Synthesis of Hyperbranched Polymers by Slow Monomer Addition to a Core. <i>Macromolecules</i> , 2000, 33, 3212-3218.	4.8	145
95	Nanoarchitectures. 3. Aggregation of hexa(phenylacetylene) macrocycles in solution: a model system for studying π - π interactions. <i>Journal of the American Chemical Society</i> , 1992, 114, 9701-9702.	13.7	143
96	A Self-Healing Conductive Ink. <i>Advanced Materials</i> , 2012, 24, 2578-2581.	21.0	143
97	A Coordination Geometry Table of the d-Block Elements and Their Ions. <i>Journal of Chemical Education</i> , 1997, 74, 915.	2.3	141
98	A new self-healing epoxy with tungsten (VI) chloride catalyst. <i>Journal of the Royal Society Interface</i> , 2008, 5, 95-103.	3.4	141
99	Click-Modification of Silica Surfaces and Glass Microfluidic Channels. <i>Analytical Chemistry</i> , 2007, 79, 1661-1667.	6.5	140
100	Diffusion-Controlled Detection of Trinitrotoluene: Interior Nanoporous Structure and Low Highest Occupied Molecular Orbital Level of Building Blocks Enhance Selectivity and Sensitivity. <i>Journal of the American Chemical Society</i> , 2012, 134, 4978-4982.	13.7	137
101	Evaluation of Ruthenium Catalysts for Ring-Opening Metathesis Polymerization-Based Self-Healing Applications. <i>Chemistry of Materials</i> , 2008, 20, 3288-3297.	6.7	134
102	Extrahepatic Anomalies in Infants With Biliary Atresia: Results of a Large Prospective North American Multicenter Study. <i>Hepatology</i> , 2013, 58, 1724-1731.	7.3	134
103	Chymotrypsin Responsive Hydrogel: Application of a Disulfide Exchange Protocol for the Preparation of Methacrylamide Containing Peptides. <i>Biomacromolecules</i> , 2005, 6, 632-637.	5.4	133
104	Nanoarchitectures. 1. Controlled synthesis of phenylacetylene sequences. <i>Journal of the American Chemical Society</i> , 1992, 114, 2273-2274.	13.7	132
105	Architecture-Controlled Ring-Opening Polymerization for Dynamic Covalent Poly(disulfide)s. <i>Journal of the American Chemical Society</i> , 2019, 141, 17075-17080.	13.7	131
106	Environmental effects on mechanochemical activation of spiropyran in linear PMMA. <i>Journal of Materials Chemistry</i> , 2011, 21, 8443.	6.7	129
107	Helical Bias in Solvophobically Folded Oligo(Phenylene Ethynylene)s. <i>Journal of the American Chemical Society</i> , 1999, 121, 2643-2644.	13.7	127
108	Helicogenicity of solvents in the conformational equilibrium of oligo(m-phenylene ethynylene)s: Implications for foldamer research. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 5053-5057.	7.1	127

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109	Restoration of Conductivity with TTFâ€“CNQ Chargeâ€“Transfer Salts. <i>Advanced Functional Materials</i> , 2010, 20, 1721-1727.	14.9	127
110	The Size-Selective Synthesis of Folded Oligomers by Dynamic Templatation. <i>Journal of the American Chemical Society</i> , 2002, 124, 5934-5935.	13.7	125
111	Rapid 3D Extrusion of Synthetic Tumor Microenvironments. <i>Advanced Materials</i> , 2015, 27, 5512-5517.	21.0	124
112	Control and Applications of Immiscible Liquids in Microchannels. <i>Journal of the American Chemical Society</i> , 2002, 124, 5284-5285.	13.7	123
113	Reaction Pathways Leading to Arylene Ethynylene Macrocycles via Alkyne Metathesis. <i>Journal of the American Chemical Society</i> , 2005, 127, 11863-11870.	13.7	123
114	Exploiting Force Sensitive Spiropyrans as Molecular Level Probes. <i>Macromolecules</i> , 2013, 46, 3746-3752.	4.8	123
115	Solvent-Free Synthesis of Janus Colloidal Particles. <i>Langmuir</i> , 2008, 24, 10073-10077.	3.5	120
116	End Group Characterization of Poly(phthalaldehyde): Surprising Discovery of a Reversible, Cationic Macrocyclization Mechanism. <i>Journal of the American Chemical Society</i> , 2013, 135, 12755-12761.	13.7	117
117	Macromolecular Design Strategies for Preventing Activeâ€“Material Crossover in Nonâ€“Aqueous Allâ€“Organic Redoxâ€“Flow Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1595-1599.	13.8	116
118	Redox Active Polymers as Soluble Nanomaterials for Energy Storage. <i>Accounts of Chemical Research</i> , 2016, 49, 2649-2657.	15.6	115
119	A convenient masking group for aryl iodides. <i>Tetrahedron Letters</i> , 1991, 32, 2465-2466.	1.4	114
120	Solid-Supported Hyperbranched Polymerization:â€“ Evidence for Self-Limited Growth. <i>Journal of the American Chemical Society</i> , 1997, 119, 3391-3392.	13.7	114
121	Columnar Liquid Crystals from Shape-Persistent Dendritic Molecules. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1636-1639.	4.4	114
122	Supramolecular polymers. <i>Current Opinion in Colloid and Interface Science</i> , 1999, 4, 108-116.	7.4	113
123	A Robust Damage-Reporting Strategy for Polymeric Materials Enabled by Aggregation-Induced Emission. <i>ACS Central Science</i> , 2016, 2, 598-603.	11.3	113
124	Shape selective epoxidation of alkenes by metalloporphyrin-dendrimers. <i>Journal of Molecular Catalysis A</i> , 1996, 113, 109-116.	4.8	112
125	Solid-Phase Synthesis of Phenylacetylene Oligomers Utilizing a Novel 3-Propyl-3-(benzyl-supported) Triazene Linkage. <i>Journal of Organic Chemistry</i> , 1996, 61, 8160-8168.	3.2	111
126	Redox Active Colloids as Discrete Energy Storage Carriers. <i>Journal of the American Chemical Society</i> , 2016, 138, 13230-13237.	13.7	111

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127	Orientation dynamics of main-chain liquid crystal polymers. 2. Structure and kinetics in a magnetic field. <i>Macromolecules</i> , 1987, 20, 282-293.	4.8	110
128	Synthesis and Characterization of a High Molecular Weight Stiff Dendrimer. <i>Angewandte Chemie International Edition in English</i> , 1993, 32, 246-248.	4.4	110
129	Mechanical Reactivity of Two Different Spiropyran Mechanophores in Polydimethylsiloxane. <i>Macromolecules</i> , 2018, 51, 9177-9183.	4.8	110
130	Functional Nanostructured Plasmonic Materials. <i>Advanced Materials</i> , 2010, 22, 1102-1110.	21.0	109
131	Synthesis and Self-Association of an Imine-Containing <i>m</i> -Phenylene Ethynylene Macrocycle. <i>Journal of Organic Chemistry</i> , 2002, 67, 3548-3554.	3.2	108
132	A reductive recycle strategy for the facile synthesis of molybdenum(VI) alkylidyne catalysts for alkyne metathesis. Electronic supplementary information (ESI) available: spectral data. See http://www.rsc.org/suppdata/cc/b2/b212405j/ . <i>Chemical Communications</i> , 2003, , 832-833.	4.1	108
133	Self-healing kinetics and the stereoisomers of dicyclopentadiene. <i>Journal of the Royal Society Interface</i> , 2007, 4, 389-393.	3.4	108
134	Is Molecular Weight or Degree of Polymerization a Better Descriptor of Ultrasound-Induced Mechanochemical Transduction?. <i>ACS Macro Letters</i> , 2016, 5, 177-180.	4.8	108
135	Cooperativity in the Folding of Helical <i>m</i> -Phenylene Ethynylene Oligomers Based upon the 'Sergeants-and-Soldiers' Principle. <i>Chemistry - A European Journal</i> , 2001, 7, 4150-4154.	3.3	107
136	Multicolor Mechanochromism of a Polymer/Silica Composite with Dual Distinct Mechanophores. <i>Journal of the American Chemical Society</i> , 2019, 141, 1898-1902.	13.7	105
137	Efficient Synthesis of Nanoscale Macrocyclic Hydrocarbons. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 922-924.	4.4	104
138	A Water-Soluble <i>m</i> -Phenylene Ethynylene Foldamer. <i>Organic Letters</i> , 2004, 6, 469-472.	4.6	104
139	Synthesis of rigid dendritic macromolecules: enlarging the repeat unit size as a function of generation, permitting growth to continue. <i>Macromolecules</i> , 1991, 24, 5893-5894.	4.8	103
140	Role of Mechanophore Orientation in Mechanochemical Reactions. <i>ACS Macro Letters</i> , 2012, 1, 163-166.	4.8	102
141	Reactive Sieving with Foldamers: Inspiration from Nature and Directions for the Future. <i>Chemistry - A European Journal</i> , 2008, 14, 2650-2657.	3.3	101
142	Concentration-Dependent Dimerization of Anthraquinone Disulfonic Acid and Its Impact on Charge Storage. <i>Chemistry of Materials</i> , 2017, 29, 4801-4810.	6.7	101
143	Mechanophore Activation at Heterointerfaces. <i>Journal of the American Chemical Society</i> , 2014, 136, 15925-15928.	13.7	99
144	Microcapsules containing suspensions of carbon nanotubes. <i>Journal of Materials Chemistry</i> , 2009, 19, 6093.	6.7	98

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145	Reversible Dispersion and Release of Carbon Nanotubes Using Foldable Oligomers. <i>Journal of the American Chemical Society</i> , 2010, 132, 14113-14117.	13.7	98
146	Water as a Promoter and Catalyst for Dioxygen Electrochemistry in Aqueous and Organic Media. <i>ACS Catalysis</i> , 2015, 5, 6600-6607.	11.2	98
147	Synthesis and Characterization of Monodendrons Based on 9-Phenylcarbazole. <i>Journal of Organic Chemistry</i> , 2000, 65, 116-123.	3.2	96
148	Solvent Swelling Activation of a Mechanophore in a Polymer Network. <i>Macromolecules</i> , 2014, 47, 2690-2694.	4.8	96
149	Synthesis of Sequence Specific Phenylacetylene Oligomers on an Insoluble Solid Support. <i>Journal of the American Chemical Society</i> , 1994, 116, 10841-10842.	13.7	95
150	Synthesis of three-dimensional nanoscaffolding. <i>Journal of the American Chemical Society</i> , 1992, 114, 8730-8732.	13.7	93
151	Redox Active Polymers for Non-Aqueous Redox Flow Batteries: Validation of the Size-Exclusion Approach. <i>Journal of the Electrochemical Society</i> , 2017, 164, A1688-A1694.	2.9	93
152	High Resolution X-ray Diffraction Study of a Tubular Liquid Crystal. <i>Advanced Materials</i> , 1998, 10, 1363-1366.	21.0	90
153	Reversible Polymerization Driven by Folding. <i>Journal of the American Chemical Society</i> , 2002, 124, 9996-9997.	13.7	88
154	Helical Pitch of <i>m</i> -Phenylene Ethynylene Foldamers by Double Spin Labeling. <i>Journal of the American Chemical Society</i> , 2002, 124, 11836-11837.	13.7	88
155	The Effect of Polymer Chain Alignment and Relaxation on Force-Induced Chemical Reactions in an Elastomer. <i>Advanced Functional Materials</i> , 2014, 24, 1529-1537.	14.9	88
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157	Fracture-induced activation in mechanophore-linked, rubber toughened PMMA. <i>Polymer</i> , 2014, 55, 4164-4171.	3.8	84
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