

# Wei Zhang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

136  
papers

10,412  
citations

52  
h-index

101  
g-index

144  
ext. papers

12,281  
ext. citations

11.2  
avg. IF

6.79  
L-index

#	Paper	IF	Citations
136	Reshapeable, rehealable and recyclable sensor fabricated by direct ink writing of conductive composites based on covalent adaptable network polymers. <i>International Journal of Extreme Manufacturing</i> , <b>2022</b> , 4, 015301	7.9	5
135	Highly stable dioxin-linked metallophthalocyanine covalent organic frameworks. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 3799-3799	8.1	7
134	3D printing of continuous fiber-reinforced thermoset composites. <i>Additive Manufacturing</i> , <b>2021</b> , 40, 101021	10.21	11
133	Single crystals of mechanically entwined helical covalent polymers. <i>Nature Chemistry</i> , <b>2021</b> , 13, 660-665	17.6	20
132	Mechanics of vitrimer particle compression and fusion under heat press. <i>International Journal of Mechanical Sciences</i> , <b>2021</b> , 201, 106466	5.5	5
131	Controlled Synthesis of Palladium Nanoparticles with Size-Dependent Catalytic Activities Enabled by Organic Molecular Cages. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 12517-12525	5.1	3
130	Covalent organic framework based lithium-ion battery: Fundamental, design and characterization. <i>EnergyChem</i> , <b>2021</b> , 3, 100048	36.9	25
129	Malleable and recyclable imideimine hybrid thermosets: influence of imide structure on material property. <i>Materials Advances</i> , <b>2021</b> , 2, 4333-4338	3.3	2
128	Post-synthetic modification of porous organic cages. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 8874-8886	58.5	20
127	Truxene-based covalent organic polyhedrons constructed through alkyne metathesis. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 8, 4723-4729	5.2	3
126	A pillar[5]arene-based covalent organic framework with pre-encoded selective host-guest recognition. <i>Chemical Science</i> , <b>2021</b> , 12, 13316-13320	9.4	3
125	By-design molecular architectures alkyne metathesis. <i>Chemical Science</i> , <b>2021</b> , 12, 9591-9606	9.4	12
124	Porphyrin-based frameworks for oxygen electrocatalysis and catalytic reduction of carbon dioxide. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 2540-2581	58.5	85
123	Highly active alkyne metathesis catalysts operating under open air condition. <i>Nature Communications</i> , <b>2021</b> , 12, 1136	17.4	9
122	Malleable and Recyclable Vitrimer/Graphene Aerogel Composite with High Electrical Conductivity. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 1178-1183	4	5
121	Stretchable, Rehealable, Recyclable, and Reconfigurable Integrated Strain Sensor for Joint Motion and Respiration Monitoring. <i>Research</i> , <b>2021</b> , 2021, 9846036	7.8	7
120	Ordered Mesoporous Silica Pyrolyzed from Single-Source Self-Assembled Organic-Inorganic Giant Surfactants. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 12935-12942	16.4	8

119	A sustainable manufacturing method of thermoset composites based on covalent adaptable network polymers. <i>Composites Part B: Engineering</i> , <b>2021</b> , 221, 109004	10	12
118	Readily useable bulk phenoxazine-based covalent organic framework cathode materials with superior kinetics and high redox potentials. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 10661-10665	13	7
117	Controlled growth of ultrafine metal nanoparticles mediated by solid supports. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 1865-1886	5.1	8
116	Heterogeneous integration of rigid, soft, and liquid materials for self-healable, recyclable, and reconfigurable wearable electronics. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	54
115	Highly C2/C1-Selective Covalent Organic Frameworks Substituted with Azo Groups. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 51517-51522	9.5	11
114	Production and closed-loop recycling of biomass-based malleable materials. <i>Science China Materials</i> , <b>2020</b> , 63, 2071-2078	7.1	9
113	Multiscale optimization of Li-ion diffusion in solid lithium metal batteries via ion conductive metal-organic frameworks. <i>Nanoscale</i> , <b>2020</b> , 12, 6976-6982	7.7	17
112	Confined growth of ordered organic frameworks at an interface. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 4637-4666	58.5	39
111	Robust, high-barrier, and fully recyclable cellulose-based plastic replacement enabled by a dynamic imine polymer. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 14082-14090	13	22
110	Phosphine-Based Covalent Organic Framework for the Controlled Synthesis of Broad-Scope Ultrafine Nanoparticles. <i>Small</i> , <b>2020</b> , 16, e1906005	11	47
109	Covalent organic framework-supported platinum nanoparticles as efficient electrocatalysts for water reduction. <i>Nanoscale</i> , <b>2020</b> , 12, 2596-2602	7.7	27
108	Desymmetrized Vertex Design toward a Molecular Cage with Unusual Topology. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 20846-20851	16.4	17
107	A Truxenone-based Covalent Organic Framework as an All-Solid-State Lithium-Ion Battery Cathode with High Capacity. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 20565-20569	3.6	1
106	Porous organic polymer material supported palladium nanoparticles. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 17360-17391	13	44
105	A Truxenone-based Covalent Organic Framework as an All-Solid-State Lithium-Ion Battery Cathode with High Capacity. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 20385-20389	16.4	45
104	Desymmetrized Vertex Design toward a Molecular Cage with Unusual Topology. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 21032-21037	3.6	4
103	Inorganic nanocrystal-dynamic porous polymer assemblies with effective energy transfer for sensitive diagnosis of urine copper. <i>Chemical Science</i> , <b>2020</b> , 11, 12187-12193	9.4	4
102	Malleable and Recyclable Conductive MWCNT-Vitrimer Composite for Flexible Electronics. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 4845-4850	5.6	15

101	Rapid Fabrication of Malleable Fiber Reinforced Composites with Vitriimer Powder. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 2535-2542	4.3	19
100	Highly tunable periodic imidazole-based mesoporous polymers as cooperative catalysts for efficient carbon dioxide fixation. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 1030-1038	5.5	12
99	Covalent organic framework-supported Fe <sub>3</sub> O <sub>2</sub> nanoparticles as ambient-light-active photocatalysts. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16364-16371	13	56
98	Investigating the Self-Healing of Dynamic Covalent Thermoset Polyimine and Its Nanocomposites. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2019</b> , 86,	2.7	5
97	Crystalline Lithium Imidazolate Covalent Organic Frameworks with High Li-Ion Conductivity. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 7518-7525	16.4	165
96	Recyclable 3D Printing of Polyimine-Based Covalent Adaptable Network Polymers. <i>3D Printing and Additive Manufacturing</i> , <b>2019</b> , 6, 31-39	4	23
95	Multifunctional Tubular Organic Cage-Supported Ultrafine Palladium Nanoparticles for Sequential Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18011-18016	16.4	62
94	Multifunctional Tubular Organic Cage-Supported Ultrafine Palladium Nanoparticles for Sequential Catalysis. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 18179-18184	3.6	22
93	Size-Controlled Growth of Silver Nanoparticles onto Functionalized Ordered Mesoporous Polymers for Efficient CO Upgrading. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 44241-44248	9.5	12
92	Malleable and Recyclable Thermosets: The Next Generation of Plastics. <i>Matter</i> , <b>2019</b> , 1, 1456-1493	12.7	81
91	Chemical Mapping of Nanodefects within 2D Covalent Monolayers by Tip-Enhanced Raman Spectroscopy. <i>ACS Nano</i> , <b>2018</b> , 12, 5021-5029	16.7	34
90	Highly CO <sub>2</sub> selective pillar[n]arene-based supramolecular organic frameworks. <i>Supramolecular Chemistry</i> , <b>2018</b> , 30, 648-654	1.8	18
89	Rehealable, fully recyclable, and malleable electronic skin enabled by dynamic covalent thermoset nanocomposite. <i>Science Advances</i> , <b>2018</b> , 4, eaaq0508	14.3	269
88	Surface-Confined Dynamic Covalent System Driven by Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 1869-1873	16.4	19
87	Surface-Confined Dynamic Covalent System Driven by Olefin Metathesis. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 1887-1891	3.6	5
86	Synthesis of Metallic Nanoparticles Using Closed-Shell Structures as Templates. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 362-372	4.5	21
85	Effects of bond exchange reactions and relaxation of polymer chains on the thermomechanical behaviors of covalent adaptable network polymers. <i>Polymer</i> , <b>2018</b> , 153, 43-51	3.9	20
84	Cage-templated synthesis of highly stable palladium nanoparticles and their catalytic activities in Suzuki-Miyaura coupling. <i>Chemical Science</i> , <b>2018</b> , 9, 676-680	9.4	79

83	Highly Fluoro-Substituted Covalent Organic Framework and Its Application in Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 42233-42240	9.5	87
82	Chemomechanics in the Moisture-Induced Malleability of Polyimine-Based Covalent Adaptable Networks. <i>Macromolecules</i> , <b>2018</b> , 51, 9825-9838	5.5	35
81	Pillar[6]arene-based Molecular Trap with Unusual Conformation and Topology. <i>Israel Journal of Chemistry</i> , <b>2018</b> , 58, 1261-1264	3.4	3
80	Separation of Arylenevinylene Macrocycles with a Surface-Confined Two-Dimensional Covalent Organic Framework. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 8984-8988	16.4	34
79	Synthesis of Small-Molecule/DNA Hybrids through On-Bead Amide-Coupling Approach. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 10803-10811	4.2	8
78	Aromatic-rich hydrocarbon porous networks through alkyne metathesis. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 1369-1372	7.8	12
77	A titanium-based porous coordination polymer as a catalyst for chemical fixation of CO <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 9163-9168	13	35
76	Interconversion of molecular face-rotating polyhedra through turning inside out. <i>Chemical Communications</i> , <b>2017</b> , 53, 8956-8959	5.8	15
75	Pillar[n]arene-based supramolecular organic frameworks with high hydrocarbon storage and selectivity. <i>Chemical Communications</i> , <b>2017</b> , 53, 6409-6412	5.8	45
74	Pillar[5]arene/Matrimid materials for high-performance methane purification membranes. <i>Journal of Membrane Science</i> , <b>2017</b> , 539, 224-228	9.6	33
73	Through-Space Ultrafast Photoinduced Electron Transfer Dynamics of a C-Encapsulated Bisporphyrin Covalent Organic Polyhedron in a Low-Dielectric Medium. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 4286-4289	16.4	45
72	Synthesis of Ultrafine and Highly Dispersed Metal Nanoparticles Confined in a Thioether-Containing Covalent Organic Framework and Their Catalytic Applications. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 17082-17088	16.4	358
71	Stable Lithium Deposition Using a Self-Optimizing Solid Electrolyte Composite. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, A2962-A2966	3.9	10
70	Tuning the physical properties of malleable and recyclable polyimine thermosets: the effect of solvent and monomer concentration. <i>RSC Advances</i> , <b>2017</b> , 7, 48303-48307	3.7	26
69	Organic Cages through Dynamic Covalent Reactions <b>2017</b> , 165-205		3
68	Orthogonal Dynamic Covalent and Non-covalent Reactions <b>2017</b> , 207-251		3
67	Dynamic Covalent Chemistry for Synthetic Molecular Machines <b>2017</b> , 287-319		1
66	Responsive Dynamic Covalent Polymers <b>2017</b> , 321-358		8

65	Self-healing Polymers through Dynamic Covalent Chemistry <b>2017</b> , 359-387		4
64	Rehealable imide-imine hybrid polymers with full recyclability. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 21140-21145	13	51
63	Recent development of efficient electrocatalysts derived from porous organic polymers for oxygen reduction reaction. <i>Science China Chemistry</i> , <b>2017</b> , 60, 999-1006	7.9	27
62	Tessellated multiporous two-dimensional covalent organic frameworks. <i>Nature Reviews Chemistry</i> , <b>2017</b> , 1,	34.6	240
61	Poly(aryleneethynylene)s: Properties, Applications and Synthesis Through Alkyne Metathesis. <i>Topics in Current Chemistry</i> , <b>2017</b> , 375, 69	7.2	18
60	Re-healable polyimine thermosets: polymer composition and moisture sensitivity. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 7052-7056	4.9	74
59	Ionic Covalent Organic Frameworks with Spiroborate Linkage. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 1737-41	16.4	380
58	Synthesis of Cyclic Porphyrin Trimers through Alkyne Metathesis Cyclooligomerization and Their Host-Guest Binding Study. <i>Organic Letters</i> , <b>2016</b> , 18, 2946-9	6.2	34
57	Repairable Woven Carbon Fiber Composites with Full Recyclability Enabled by Malleable Polyimine Networks. <i>Advanced Materials</i> , <b>2016</b> , 28, 2904-9	24	303
56	Synthesis of a Two-Dimensional Covalent Organic Monolayer through Dynamic Imine Chemistry at the Air/Water Interface. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 221-225	3.6	55
55	Iron-rich nanoparticle encapsulated, nitrogen doped porous carbon materials as efficient cathode electrocatalyst for microbial fuel cells. <i>Journal of Power Sources</i> , <b>2016</b> , 315, 302-307	8.9	70
54	Dynamic covalent synthesis of aryleneethynylene cages through alkyne metathesis: dimer, tetramer, or interlocked complex?. <i>Chemical Science</i> , <b>2016</b> , 7, 3370-3376	9.4	81
53	Highly Active Multidentate Ligand-Based Alkyne Metathesis Catalysts. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 7959-63	4.8	37
52	Synthesis of a Two-Dimensional Covalent Organic Monolayer through Dynamic Imine Chemistry at the Air/Water Interface. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 213-7	16.4	213
51	Room-Temperature Synthesis of Covalent Organic Frameworks with a Boronic Ester Linkage at the Liquid/Solid Interface. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 18412-18418	4.8	32
50	Synthesis of a conjugated porous Co(II) porphyrinylene-ethynylene framework through alkyne metathesis and its catalytic activity study. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 4954-4959	13	71
49	Solution-phase dynamic assembly of permanently interlocked aryleneethynylene cages through alkyne metathesis. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7550-4	16.4	84
48	Mesoporous 2D covalent organic frameworks based on shape-persistent arylene-ethynylene macrocycles. <i>Chemical Science</i> , <b>2015</b> , 6, 4049-4053	9.4	93

47	Metallated porphyrin based porous organic polymers as efficient electrocatalysts. <i>Nanoscale</i> , <b>2015</b> , 7, 18271-7	7.7	45
46	Shape-persistent arylene ethynylene organic hosts for fullerenes. <i>Chemical Record</i> , <b>2015</b> , 15, 97-106	6.6	29
45	Ultra-thin Solid-State Li-Ion Electrolyte Membrane Facilitated by a Self-Healing Polymer Matrix. <i>Advanced Materials</i> , <b>2015</b> , 27, 6922-7	24	128
44	Solution-Phase Dynamic Assembly of Permanently Interlocked Aryleneethynylene Cages through Alkyne Metathesis. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 7660-7664	3.6	29
43	Reprocessing and recycling of thermosetting polymers based on bond exchange reactions. <i>RSC Advances</i> , <b>2014</b> , 4, 10108-10117	3.7	138
42	Application of alkyne metathesis in polymer synthesis. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5986	13	57
41	Template synthesis of gold nanoparticles with an organic molecular cage. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 1782-5	16.4	147
40	Influence of stoichiometry on the glass transition and bond exchange reactions in epoxy thermoset polymers. <i>RSC Advances</i> , <b>2014</b> , 4, 48682-48690	3.7	89
39	Heat- or water-driven malleability in a highly recyclable covalent network polymer. <i>Advanced Materials</i> , <b>2014</b> , 26, 3938-42	24	443
38	A tetrameric cage with D <sub>2h</sub> symmetry through alkyne metathesis. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 10663-7	16.4	93
37	Dynamic covalent chemistry approaches toward macrocycles, molecular cages, and polymers. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 1575-86	24.3	313
36	Reversible tuning of pore size and CO <sub>2</sub> adsorption in azobenzene functionalized porous organic polymers. <i>Chemical Science</i> , <b>2014</b> , 5, 4957-4961	9.4	84
35	A Tetrameric Cage with D <sub>2h</sub> Symmetry through Alkyne Metathesis. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 108396-10843	3.6	33
34	Covalent assembly of heterosequenced macrocycles and molecular cages through orthogonal dynamic covalent chemistry (ODCC). <i>Organic Letters</i> , <b>2013</b> , 15, 4296-9	6.2	47
33	Porous Poly(aryleneethynylene) Networks through Alkyne Metathesis. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 3718-3723	9.6	37
32	Solution processable polydiacetylenes (PDAs) through acyclic enediyne metathesis polymerization. <i>Chemical Science</i> , <b>2013</b> , 4, 3649	9.4	27
31	Highly efficient one-pot synthesis of hetero-sequenced shape-persistent macrocycles through orthogonal dynamic covalent chemistry (ODCC). <i>Chemical Communications</i> , <b>2013</b> , 49, 4418-20	5.8	45
30	Multidentate Triphenolsilane-Based Alkyne Metathesis Catalysts. <i>Advanced Synthesis and Catalysis</i> , <b>2013</b> , 355, 885-890	5.6	56

29	Imine-Linked Porous Polymer Frameworks with High Small Gas (H <sub>2</sub> , CO <sub>2</sub> , CH <sub>4</sub> , C <sub>2</sub> H <sub>2</sub> ) Uptake and CO <sub>2</sub> /N <sub>2</sub> Selectivity. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 1630-1635	9.6	307
28	Recent advances in dynamic covalent chemistry. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 6634-54	58.5	889
27	Development of organic porous materials through Schiff-base chemistry. <i>CrystEngComm</i> , <b>2013</b> , 15, 1484-1499	3.6	131
26	Microwave-assisted syntheses of highly CO <sub>2</sub> -selective organic cage frameworks (OCFs). <i>Chemical Science</i> , <b>2012</b> , 3, 874-877	9.4	67
25	A C <sub>84</sub> selective porphyrin macrocycle with an adaptable cavity constructed through alkyne metathesis. <i>Chemical Communications</i> , <b>2012</b> , 48, 6172-4	5.8	47
24	Design strategies for shape-persistent covalent organic polyhedrons (COPs) through imine condensation/metathesis. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 7392-400	4.2	37
23	Semiconducting carbon nanotube and covalent organic polyhedron-C <sub>60</sub> nano hybrids for light harvesting. <i>Chemical Communications</i> , <b>2012</b> , 48, 8377-9	5.8	26
22	Highly Active Multidentate Alkyne Metathesis Catalysts: Ligand-Activity Relationship and Their Applications in Efficient Synthesis of Porphyrin-Based Aryleneethynylene Polymers. <i>Advanced Synthesis and Catalysis</i> , <b>2012</b> , 354, 2073-2078	5.6	60
21	Introducing A Podand Motif to Alkyne Metathesis Catalyst Design: A Highly Active Multidentate Molybdenum(VI) Catalyst that Resists Alkyne Polymerization. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 3497-3500	3.6	29
20	Hoch aktive und belastbare Katalysatoren für die Alkinmetathese. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 8628-8630	3.0	27
19	Introducing a podand motif to alkyne metathesis catalyst design: a highly active multidentate molybdenum(VI) catalyst that resists alkyne polymerization. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 3435-8	16.4	72
18	Towards highly active and robust alkyne metathesis catalysts: recent developments in catalyst design. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 8478-80	16.4	66
17	Highly CO <sub>2</sub> -selective organic molecular cages: what determines the CO <sub>2</sub> selectivity. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 6650-8	16.4	214
16	A highly C <sub>70</sub> selective shape-persistent rectangular prism constructed through one-step alkyne metathesis. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 20995-1001	16.4	218
15	Shape-persistent arylenevinylene macrocycles (AVMs) prepared via acyclic diene metathesis macrocyclization (ADMAC). <i>Chemical Communications</i> , <b>2010</b> , 46, 8258-60	5.8	47
14	A Shape-Persistent Organic Molecular Cage with High Selectivity for the Adsorption of CO <sub>2</sub> over N <sub>2</sub> . <i>Angewandte Chemie</i> , <b>2010</b> , 122, 6492-6495	3.6	62
13	A shape-persistent organic molecular cage with high selectivity for the adsorption of CO <sub>2</sub> over N <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 6348-51	16.4	189
12	Cobalt Porphyrin Functionalized Carbon Nanotubes for Oxygen Reduction. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 3234-3241	9.6	113



11	Alkyne Metathesis: Catalysts and Synthetic Applications. <i>Advanced Synthesis and Catalysis</i> , <b>2007</b> , 349, 93-120	5.6	234
10	Detection of explosives with a fluorescent nanofibril film. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 6978-9	16.4	362
9	Shape-persistent macrocycles: structures and synthetic approaches from arylene and ethynylene building blocks. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 4416-39	16.4	464
8	Nanofibril self-assembly of an arylene ethynylene macrocycle. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 6576-7	16.4	172
7	Reaction pathways leading to arylene ethynylene macrocycles via alkyne metathesis. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 11863-70	16.4	117
6	A high-yield, one-step synthesis of o-phenylene ethynylene cyclic trimer via precipitation-driven alkyne metathesis. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 10198-201	4.2	63
5	Arylene ethynylene macrocycles prepared by precipitation-driven alkyne metathesis. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 12796	16.4	146
4	Highly active trialkoxymolybdenum(VI) alkylidyne catalysts synthesized by a reductive recycle strategy. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 329-35	16.4	130
3	A reductive recycle strategy for the facile synthesis of molybdenum(VI) alkylidyne catalysts for alkyne metathesis. <i>Chemical Communications</i> , <b>2003</b> , 832-3	5.8	96
2	Rapid Fabrication of Fiber-Reinforced Polyimine Composites with Reprocessability, Repairability, and Recyclability. <i>ACS Applied Polymer Materials</i> ,	4.3	3
1	Synthesis of Graphyne using dynamic covalent chemistry		6