

# Yinghua Jin

## 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.

106 papers	6,946 citations	40 h-index	83 g-index
117 ext. papers	8,364 ext. citations	11.6 avg, IF	6.31 L-index

#	Paper	IF	Citations
106	Single crystals of mechanically entwined helical covalent polymers. <i>Nature Chemistry</i> , <b>2021</b> , 13, 660-665	17.6	20
105	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
104	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
103	Covalent organic framework based lithium-ion battery: Fundamental, design and characterization. <i>EnergyChem</i> , <b>2021</b> , 3, 100048	36.9	25
102	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
101	Post-synthetic modification of porous organic cages. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 8874-8886	58.5	20
100	Truxene-based covalent organic polyhedrons constructed through alkyne metathesis. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 8, 4723-4729	5.2	3
99	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
98	By-design molecular architectures alkyne metathesis. <i>Chemical Science</i> , <b>2021</b> , 12, 9591-9606	9.4	12
97	Highly active alkyne metathesis catalysts operating under open air condition. <i>Nature Communications</i> , <b>2021</b> , 12, 1136	17.4	9
96	Malleable and Recyclable VitrimerGraphene Aerogel Composite with High Electrical Conductivity. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 1178-1183	4	5
95	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
94	Controlled growth of ultrafine metal nanoparticles mediated by solid supports. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 1865-1886	5.1	8
93	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
92	Production and closed-loop recycling of biomass-based malleable materials. <i>Science China Materials</i> , <b>2020</b> , 63, 2071-2078	7.1	9
91	Confined growth of ordered organic frameworks at an interface. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 4637-4666	58.5	39
90	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

89	Broad-Scope Ultrafine Nanoparticles: Phosphine-Based Covalent Organic Framework for the Controlled Synthesis of Broad-Scope Ultrafine Nanoparticles (Small 8/2020). <i>Small</i> , <b>2020</b> , 16, 2070042	11	
88	Phosphine-Based Covalent Organic Framework for the Controlled Synthesis of Broad-Scope Ultrafine Nanoparticles. <i>Small</i> , <b>2020</b> , 16, e1906005	11	47
87	Covalent organic framework-supported platinum nanoparticles as efficient electrocatalysts for water reduction. <i>Nanoscale</i> , <b>2020</b> , 12, 2596-2602	7.7	27
86	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
85	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
84	Porous organic polymer material supported palladium nanoparticles. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 17360-17391	13	44
83	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
82	Desymmetrized Vertex Design toward a Molecular Cage with Unusual Topology. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 21032-21037	3.6	4
81	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
80	Rapid Fabrication of Malleable Fiber Reinforced Composites with Vitrimer Powder. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 2535-2542	4.3	19
79	Covalent organic framework-supported Fe <sub>3</sub> O <sub>4</sub> nanoparticles as ambient-light-active photocatalysts. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16364-16371	13	56
78	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
77	Crystalline, Few-layer 2D Materials via Surfactant-monolayer-assisted Interfacial Synthesis. <i>Chemical Research in Chinese Universities</i> , <b>2019</b> , 35, 955-956	2.2	1
76	Malleable and Recyclable Thermosets: The Next Generation of Plastics. <i>Matter</i> , <b>2019</b> , 1, 1456-1493	12.7	81
75	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
74	Surface-Confined Dynamic Covalent System Driven by Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 1869-1873	16.4	19
73	Surface-Confined Dynamic Covalent System Driven by Olefin Metathesis. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 1887-1891	3.6	5
72	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

71	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
70	SAr stands corrected. <i>Nature Chemistry</i> , <b>2018</b> , 10, 996-998	17.6	1
69	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
68	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
67	Separation of Arylenevinylene Macrocycles with a Surface-Confined Two-Dimensional Covalent Organic Framework. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 9122-9126	3.6	1
66	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
65	Aromatic-rich hydrocarbon porous networks through alkyne metathesis. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 1369-1372	7.8	12
64	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
63	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
62	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
61	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
60	Principles of Dynamic Covalent Chemistry <b>2017</b> , 1-30		7
59	Emerging Applications of Dynamic Covalent Chemistry from Macro- to Nanoscopic Length Scales <b>2017</b> , 389-434		
58	Shape-persistent Macrocycles through Dynamic Covalent Reactions <b>2017</b> , 121-163		5
57	Organic Cages through Dynamic Covalent Reactions <b>2017</b> , 165-205		3
56	Orthogonal Dynamic Covalent and Non-covalent Reactions <b>2017</b> , 207-251		3
55	Self-sorting through Dynamic Covalent Chemistry <b>2017</b> , 253-286		5
54	Dynamic Covalent Chemistry for Synthetic Molecular Machines <b>2017</b> , 287-319		1

53	Responsive Dynamic Covalent Polymers <b>2017</b> , 321-358		8
52	Self-healing Polymers through Dynamic Covalent Chemistry <b>2017</b> , 359-387		4
51	Rehealable imideImine hybrid polymers with full recyclability. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 21140-21145	13	51
50	Dynamic Combinatorial Libraries <b>2017</b> , 31-119		5
49	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
48	Tessellated multiporous two-dimensional covalent organic frameworks. <i>Nature Reviews Chemistry</i> , <b>2017</b> , 1,	34.6	240
47	Poly(aryleneethynylene)s: Properties, Applications and Synthesis Through Alkyne Metathesis. <i>Topics in Current Chemistry</i> , <b>2017</b> , 375, 69	7.2	18
46	Re-healable polyimine thermosets: polymer composition and moisture sensitivity. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 7052-7056	4.9	74
45	Ionic Covalent Organic Frameworks with Spiroborate Linkage. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 1769-1773	3.6	71
44	Ionic Covalent Organic Frameworks with Spiroborate Linkage. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 1737-41	16.4	380
43	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
42	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
41	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
40	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
39	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
38	Highly Active Multidentate Ligand-Based Alkyne Metathesis Catalysts. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 7959-63	4.8	37
37	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
36	Phenylene vinylene macrocycles as artificial transmembrane transporters. <i>Chemical Communications</i> , <b>2016</b> , 52, 5848-51	5.8	7

35	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
34	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
33	Desymmetrized Vertex Design for the Synthesis of Covalent Organic Frameworks with Periodically Heterogeneous Pore Structures. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 13772-5	16.4	113
32	Metallated porphyrin based porous organic polymers as efficient electrocatalysts. <i>Nanoscale</i> , <b>2015</b> , 7, 18271-7	7.7	45
31	Shape-persistent arylene ethynylene organic hosts for fullerenes. <i>Chemical Record</i> , <b>2015</b> , 15, 97-106	6.6	29
30	Synthesis of Phenylene Vinylene Macrocycles through Acyclic Diene Metathesis Macrocyclization and Their Aggregation Behavior. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 16935-40	4.8	15
29	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
28	Application of alkyne metathesis in polymer synthesis. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5986	13	57
27	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
26	Heat- or water-driven malleability in a highly recyclable covalent network polymer. <i>Advanced Materials</i> , <b>2014</b> , 26, 3938-42	24	443
25	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
24	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
23	A Tetrameric Cage with D <sub>2h</sub> Symmetry through Alkyne Metathesis. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 10839-10843	16.4	93
22	Porous Poly(aryleneethynylene) Networks through Alkyne Metathesis. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 3718-3723	9.6	37
21	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
20	Recent advances in dynamic covalent chemistry. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 6634-54	58.5	889
19	Development of organic porous materials through Schiff-base chemistry. <i>CrystEngComm</i> , <b>2013</b> , 15, 14843-1499	13.1	131
18	Controlled self-assembly of gold nanoparticles mediated by novel organic molecular cages. <i>Optical Materials Express</i> , <b>2013</b> , 3, 205	2.6	10

17	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
16	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
15	Taxadiene synthase structure and evolution of modular architecture in terpene biosynthesis. <i>Nature</i> , <b>2011</b> , 469, 116-20	50.4	229
14	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
13	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
12	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
11	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
10	Stereoselective Isoprenoid Chain Extension with Acetoacetate Dianion: (E, E, E)-Geranylgeraniol From (E, E)-Farnesol <b>2007</b> , 43-57		2
9	Enantioselective synthesis of alpha-terpineol and nephtenol by intramolecular acyloxazolidinone enolate alkylations. <i>Chemical Communications</i> , <b>2006</b> , 2902-4	5.8	8
8	An unexpected diterpene cyclase from rice: functional identification of a stemodene synthase. <i>Archives of Biochemistry and Biophysics</i> , <b>2006</b> , 448, 133-40	4.1	37
7	Structures, biogenetic relationships, and cytotoxicity of pimarane-derived diterpenes from <i>Petalostigma pubescens</i> . <i>Phytochemistry</i> , <b>2006</b> , 67, 1708-15	4	25
6	Taxadiene synthase-catalyzed cyclization of 6-fluorogeranylgeranyl diphosphate to 7-fluorovercillenes. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 7834-42	16.4	70
5	Identification of syn-pimara-7,15-diene synthase reveals functional clustering of terpene synthases involved in rice phytoalexin/allelochemical biosynthesis. <i>Plant Physiology</i> , <b>2004</b> , 135, 2098-105	6.6	172
4	Rapid Fabrication of Fiber-Reinforced Polyimine Composites with Reprocessability, Repairability, and Recyclability. <i>ACS Applied Polymer Materials</i> ,	4.3	3
3	Porous Pyrene Organic Cage with Unusual Absorption Bathochromic-Shift Enables Visible Light Photocatalysis. <i>CCS Chemistry</i> , 2917-2925	7.2	4
2	Helical Covalent Polymers with Unidirectional Ion Channels as Single Lithium-Ion Conducting Electrolytes. <i>CCS Chemistry</i> , 2762-2770	7.2	3
1	Synthesis of Graphyne using dynamic covalent chemistry		6