

# Shangbin Jin

## List of Publications by Year in descending order

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58  
papers

8,251  
citations

76326

40  
h-index

128289

60  
g-index

64  
all docs

64  
docs citations

64  
times ranked

7000  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conjugated microporous polymers: design, synthesis and application. <i>Chemical Society Reviews</i> , 2013, 42, 8012.	38.1	1,459
2	An Azine-Linked Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , 2013, 135, 17310-17313.	13.7	706
3	Conjugated organic framework with three-dimensionally ordered stable structure and delocalized $\pi$ clouds. <i>Nature Communications</i> , 2013, 4, 2736.	12.8	528
4	Covalent Triazine Frameworks via a Low-Temperature Polycondensation Approach. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14149-14153.	13.8	441
5	Covalent triazine frameworks: synthesis and applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5153-5172.	10.3	433
6	Pore surface engineering in covalent organic frameworks. <i>Nature Communications</i> , 2011, 2, 536.	12.8	387
7	Electrochemically active, crystalline, mesoporous covalent organic frameworks on carbon nanotubes for synergistic lithium-ion battery energy storage. <i>Scientific Reports</i> , 2015, 5, 8225.	3.3	303
8	Rational design of crystalline supermicroporous covalent organic frameworks with triangular topologies. <i>Nature Communications</i> , 2015, 6, 7786.	12.8	274
9	Crystalline Covalent Triazine Frameworks by In-situ Oxidation of Alcohols to Aldehyde Monomers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11968-11972.	13.8	266
10	Charge Dynamics in A Donor-Acceptor Covalent Organic Framework with Periodically Ordered Bicontinuous Heterojunctions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2017-2021.	13.8	263
11	Strong-Base-Assisted Synthesis of a Crystalline Covalent Triazine Framework with High Hydrophilicity via Benzylamine Monomer for Photocatalytic Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6007-6014.	13.8	254
12	Creation of Superheterojunction Polymers via Direct Polycondensation: Segregated and Bicontinuous Donor-Acceptor $\pi$ -Columnar Arrays in Covalent Organic Frameworks for Long-Lived Charge Separation. <i>Journal of the American Chemical Society</i> , 2015, 137, 7817-7827.	13.7	213
13	Engineering heteroatoms with atomic precision in donor-acceptor covalent triazine frameworks to boost photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19775-19781.	10.3	172
14	Design of $D_{1h}$ - $D_{2h}$ Covalent Triazine Frameworks via Copolymerization for Photocatalytic Hydrogen Evolution. <i>ACS Catalysis</i> , 2019, 9, 9438-9445.	11.2	172
15	Controlling Monomer Feeding Rate to Achieve Highly Crystalline Covalent Triazine Frameworks. <i>Advanced Materials</i> , 2019, 31, e1807865.	21.0	158
16	Two-Dimensional Tetrathiafulvalene Covalent Organic Frameworks: Towards Latticed Conductive Organic Salts. <i>Chemistry - A European Journal</i> , 2014, 20, 14608-14613.	3.3	147
17	Intermolecular cascaded $\pi$ -conjugation channels for electron delivery powering CO <sub>2</sub> photoreduction. <i>Nature Communications</i> , 2020, 11, 1149.	12.8	147
18	Layered microporous polymers by solvent knitting method. <i>Science Advances</i> , 2017, 3, e1602610.	10.3	135

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19	Large pore donor-acceptor covalent organic frameworks. <i>Chemical Science</i> , 2013, 4, 4505.	7.4	127
20	Constructing electron delocalization channels in covalent organic frameworks powering CO <sub>2</sub> photoreduction in water. <i>Applied Catalysis B: Environmental</i> , 2020, 274, 119096.	20.2	113
21	Covalent Triazine Frameworks via a Low-Temperature Polycondensation Approach. <i>Angewandte Chemie</i> , 2017, 129, 14337-14341.	2.0	83
22	Hollow Covalent Triazine Frameworks with Variable Shell Thickness and Morphology. <i>Advanced Functional Materials</i> , 2019, 29, 1904781.	14.9	80
23	2D metal-free heterostructure of covalent triazine framework/g-C <sub>3</sub> N <sub>4</sub> for enhanced photocatalytic CO <sub>2</sub> reduction with high selectivity. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1306-1315.	14.0	74
24	Wettable magnetic hypercrosslinked microporous nanoparticle as an efficient adsorbent for water treatment. <i>Chemical Engineering Journal</i> , 2017, 326, 109-116.	12.7	67
25	Porosity Modulation in Two-Dimensional Covalent Organic Frameworks Leads to Enhanced Iodine Adsorption Performance. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 10495-10502.	3.7	66
26	Recent Advancements in the Synthesis of Covalent Triazine Frameworks for Energy and Environmental Applications. <i>Polymers</i> , 2019, 11, 31.	4.5	65
27	Strong-Base-Assisted Synthesis of a Crystalline Covalent Triazine Framework with High Hydrophilicity via Benzylamine Monomer for Photocatalytic Water Splitting. <i>Angewandte Chemie</i> , 2020, 132, 6063-6070.	2.0	65
28	Fabrication of Hollow Microporous Carbon Spheres from Hyper-Crosslinked Microporous Polymers. <i>Small</i> , 2016, 12, 3134-3142.	10.0	64
29	A Facile Approach to Prepare Multiple Heteroatom-Doped Carbon Materials from Imine-Linked Porous Organic Polymers. <i>Scientific Reports</i> , 2018, 8, 4200.	3.3	57
30	Layered Thiazolo[5,4-d] Thiazole-Linked Conjugated Microporous Polymers with Heteroatom Adoption for Efficient Photocatalysis Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 15861-15868.	8.0	57
31	Palladium as a Superior Cocatalyst to Platinum for Hydrogen Evolution Using Covalent Triazine Frameworks as a Support. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 12774-12782.	8.0	56
32	Embedding Carbon Nitride into a Covalent Organic Framework with Enhanced Photocatalysis Performance. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1674-1677.	3.3	51
33	Crystalline Covalent Triazine Frameworks by In-Situ Oxidation of Alcohols to Aldehyde Monomers. <i>Angewandte Chemie</i> , 2018, 130, 12144-12148.	2.0	50
34	Stable Covalent Organic Frameworks for Photochemical Applications. <i>ChemPhotoChem</i> , 2019, 3, 973-983.	3.0	48
35	Crystallization of Covalent Triazine Frameworks via a Heterogeneous Nucleation Approach for Efficient Photocatalytic Applications. <i>Chemistry of Materials</i> , 2021, 33, 1994-2003.	6.7	48
36	Donor-Acceptor Charge Migration System of Superhydrophilic Covalent Triazine Framework and Carbon Nanotube toward High Performance Solar Thermal Conversion. <i>ACS Energy Letters</i> , 2020, 5, 1300-1306.	17.4	47

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37	Heteroatom-rich porous organic polymers constructed by benzoxazine linkage with high carbon dioxide adsorption affinity. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 457-462.	9.4	45
38	An artificial photosynthesis system comprising a covalent triazine framework as an electron relay facilitator for photochemical carbon dioxide reduction. <i>Journal of Materials Chemistry C</i> , 2020, 8, 192-200.	5.5	43
39	Supercapacitive hybrid materials from the thermolysis of porous coordination nanorods based on a catechol porphyrin. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5737-5744.	10.3	42
40	Efficient Synthesis of Ultrafine Gold Nanoparticles with Tunable Sizes in a Hyper-Cross-Linked Polymer for Nitrophenol Reduction. <i>ACS Applied Nano Materials</i> , 2019, 2, 546-553.	5.0	42
41	Morphology design of microporous organic polymers and their potential applications: an overview. <i>Science China Chemistry</i> , 2017, 60, 1056-1066.	8.2	36
42	Highly efficient asymmetric organocatalytic Friedel-Crafts alkylation of indoles with $\alpha,\beta$ -unsaturated aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4011.	2.8	31
43	Template-mediated Synthesis of Hollow Microporous Organic Nanorods with Tunable Aspect Ratio. <i>Scientific Reports</i> , 2016, 6, 31359.	3.3	29
44	Two-dimensional crystalline covalent triazine frameworks via dual modulator control for efficient photocatalytic oxidation of sulfides. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16405-16410.	10.3	29
45	Progress in synthesis of highly crystalline covalent organic frameworks and their crystallinity enhancement strategies. <i>Chinese Chemical Letters</i> , 2022, 33, 2856-2866.	9.0	27
46	Engaging Copper(III) Corrole as an Electron Acceptor: Photoinduced Charge Separation in Zinc Porphyrin-Copper Corrole Donor-Acceptor Conjugates. <i>Chemistry - A European Journal</i> , 2016, 22, 1301-1312.	3.3	25
47	Simple Fabrication of Titanium Dioxide/N-Doped Carbon Hybrid Material as Non-Precious Metal Electrocatalyst for the Oxygen Reduction Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 18782-18789.	8.0	24
48	Highly active asymmetric Diels-Alder reactions catalyzed by C2-symmetric bipyrrolidines: catalyst recycling in water medium and insight into the catalytic mode. <i>Tetrahedron</i> , 2010, 66, 3849-3854.	1.9	23
49	C2-Symmetric bipyrrolidines as organocatalysts for asymmetric Diels-Alder reactions. <i>Tetrahedron Letters</i> , 2009, 50, 7388-7391.	1.4	21
50	Covalent triazine frameworks constructed via benzyl halide monomers showing high photocatalytic activity in biomass reforming. <i>Chemical Communications</i> , 2021, 57, 5147-5150.	4.1	21
51	Pyrene-based covalent triazine framework towards high-performance sensing and photocatalysis applications. <i>Science China Materials</i> , 2021, 64, 149-157.	6.3	20
52	Peroxydisulfate bridged photocatalysis of covalent triazine framework for carbamazepine degradation. <i>Chemical Engineering Journal</i> , 2022, 427, 131613.	12.7	18
53	Soluble Hyperbranched Porous Organic Polymers. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800441.	3.9	13
54	A steric hindrance alleviation strategy to enhance the photo-switching efficiency of azobenzene functionalized metal-organic frameworks toward tailorable carbon dioxide capture. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8303-8308.	10.3	11

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55	The Exfoliation of Crystalline Covalent Triazine Frameworks by Glycerol Intercalation. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100374.	3.7	6
56	Dispersive 2D Triptycene-Based Crystalline Polymers: Influence of Regioisomerism on Crystallinity and Morphology. <i>Jacs Au</i> , 2022, 2, 1638-1650.	7.9	5
57	Rapid Polymerization of Aromatic Vinyl Monomers to Porous Organic Polymers via Acid Catalysis at Mild Condition. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900168.	3.9	4
58	Transition-metal-free radical homocoupling polymerization to synthesize conjugated poly(phenylene) Tj ETQq0 0 0 ggBT /Overlock 10 Tf	3.9	3