

# Shengjun Liu

## List of Publications by Year in descending order

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77  
papers

7,462  
citations

136885

32  
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71651

76  
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79  
all docs

79  
docs citations

79  
times ranked

9337  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Organic Framework as a Template for Porous Carbon Synthesis. <i>Journal of the American Chemical Society</i> , 2008, 130, 5390-5391.	6.6	1,623
2	From Metal-Organic Framework to Nanoporous Carbon: Toward a Very High Surface Area and Hydrogen Uptake. <i>Journal of the American Chemical Society</i> , 2011, 133, 11854-11857.	6.6	1,071
3	Au@ZIF-8: CO Oxidation over Gold Nanoparticles Deposited to Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2009, 131, 11302-11303.	6.6	772
4	Metal-organic framework (MOF) as a template for syntheses of nanoporous carbons as electrode materials for supercapacitor. <i>Carbon</i> , 2010, 48, 456-463.	5.4	621
5	Regulating the Coordination Environment of MOF-Templated Single-Atom Nickel Electrocatalysts for Boosting CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2705-2709.	7.2	404
6	Metal-organic frameworks (ZIF-67) as efficient cocatalysts for photocatalytic reduction of CO <sub>2</sub> : the role of the morphology effect. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4768-4775.	5.2	236
7	Converting cobalt oxide subunits in cobalt metal-organic framework into agglomerated Co <sub>3</sub> O <sub>4</sub> nanoparticles as an electrode material for lithium ion battery. <i>Journal of Power Sources</i> , 2010, 195, 857-861.	4.0	223
8	Enantiopure Metal-Organic Framework Thin Films: Oriented SURMOF Growth and Enantioselective Adsorption. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 807-810.	7.2	189
9	Metal-organic framework-based devices: separation and sensors. <i>Journal of Materials Chemistry</i> , 2012, 22, 10094.	6.7	169
10	Chemistry of SURMOFs: Layer-Selective Installation of Functional Groups and Post-synthetic Covalent Modification Probed by Fluorescence Microscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 1734-1737.	6.6	122
11	Regulating the Coordination Environment of MOF-Templated Single-Atom Nickel Electrocatalysts for Boosting CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , 2020, 132, 2727-2731.	1.6	110
12	Porous Liquid: A Stable ZIF-8 Colloid in Ionic Liquid with Permanent Porosity. <i>Langmuir</i> , 2018, 34, 3654-3660.	1.6	108
13	Design of metal-organic framework-based photocatalysts for hydrogen generation. <i>Coordination Chemistry Reviews</i> , 2020, 413, 213266.	9.5	106
14	Ultrafine Gold Clusters Incorporated into a Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2011, 17, 78-81.	1.7	97
15	Metal-Organic Framework Thin Films: Crystallite Orientation Dependent Adsorption. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3402-3405.	7.2	89
16	Rational Assembly of d <sup>10</sup> Metal-Organic Frameworks with Helical Nanochannels Based on Flexible V-Shaped Ligand. <i>Crystal Growth and Design</i> , 2010, 10, 806-811.	1.4	88
17	Boosting selective oxidation of cyclohexane over a metal-organic framework by hydrophobicity engineering of pore walls. <i>Chemical Communications</i> , 2017, 53, 10026-10029.	2.2	71
18	Graphite phase carbon nitride based membrane for selective permeation. <i>Nature Communications</i> , 2019, 10, 2500.	5.8	71

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19	Hydrogen production with ultrahigh efficiency under visible light by graphene well-wrapped $\text{LiO-66-NH}_2$ octahedrons. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20136-20140.	5.2	68
20	Multi Variant Surface Mounted Metal-Organic Frameworks. <i>Advanced Functional Materials</i> , 2013, 23, 3790-3798.	7.8	67
21	Microporous coordination polymers of cobalt(II) and manganese(II) 2,6-naphthalenedicarboxylate: preparations, structures and gas sorptive and magnetic properties. <i>Microporous and Mesoporous Materials</i> , 2008, 111, 470-477.	2.2	61
22	Conductive and Chiral Polymer-Modified Metal-Organic Framework for Enantioselective Adsorption and Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 26365-26371.	4.0	54
23	Imaging-based fluorescent sensing platform for quantitative monitoring and visualizing of fluoride ions with dual-emission quantum dots hybrid. <i>Biosensors and Bioelectronics</i> , 2019, 128, 61-67.	5.3	50
24	Molecular Surgery at Microporous MOF for Mesopore Generation and Renovation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14601-14608.	7.2	48
25	Liquid-phase epitaxy of metal organic framework thin films. <i>Science China Chemistry</i> , 2011, 54, 1851-1866.	4.2	47
26	Hollow heterostructure CoS/CdS photocatalysts with enhanced charge transfer for photocatalytic hydrogen production from seawater. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 9220-9229.	3.8	44
27	Field-portable ratiometric fluorescence imaging of dual-color label-free carbon dots for uranyl ions detection with cellphone-based optical platform. <i>Chinese Chemical Letters</i> , 2020, 31, 2925-2928.	4.8	39
28	One-step synthesis of magnetic and porous Ni@MOF-74(Ni) composite. <i>Microporous and Mesoporous Materials</i> , 2018, 259, 178-183.	2.2	38
29	Photoinduced Rechargeable Lithium-Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 4071-4078.	4.0	37
30	Green emission of indium oxide via hydrogen treatment. <i>RSC Advances</i> , 2018, 8, 11828-11833.	1.7	35
31	A Multitargeted Electrochemiluminescent Biosensor Coupling DNAzyme with Cascading Amplification for Analyzing Myocardial miRNAs. <i>Analytical Chemistry</i> , 2021, 93, 7516-7522.	3.2	35
32	Metal-Organic Framework (MOF) as a Precursor for Synthesis of Platinum Supporting Zinc Oxide Nanoparticles. <i>Bulletin of the Chemical Society of Japan</i> , 2009, 82, 1052-1054.	2.0	34
33	In situ loading of Ag nanocontacts onto silica nanospheres: a SERS platform for ultrasensitive detection. <i>RSC Advances</i> , 2014, 4, 2776-2782.	1.7	34
34	Controlled depositing of silver nanoparticles on flexible film and its application in ultrasensitive detection. <i>RSC Advances</i> , 2014, 4, 42358-42363.	1.7	34
35	Self-Assembly of Two Chiral Supramolecules with Three-Dimensional Porous Host Frameworks: $\hat{A}(\text{I}^{\text{II}})\{[\text{Fe}(\text{phen})_3][\text{Fe}(\text{II})\text{Na}(\text{C}_2\text{O}_4)_3]\}$ and Its Enantiomer. <i>Inorganic Chemistry</i> , 2007, 46, 5823-5825.	1.9	31
36	$[\text{Ti}_{12}\text{In}_6\text{O}_{18}(\text{OCC}_6\text{H}_5)_3]_{30}$ : a multifunctional hetero-polyoxotitanate nanocluster with high stability and visible photoactivity. <i>Dalton Transactions</i> , 2017, 46, 678-684.	1.6	31

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37	Hierarchically Porous Carbons Derived from Nonporous Coordination Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 25211-25220.	4.0	31
38	Combustible ice mimicking behavior of hydrogen-bonded organic framework at ambient condition. <i>Nature Communications</i> , 2020, 11, 3124.	5.8	30
39	Exfoliating Polyoxometalate-Encapsulating Metal-Organic Framework into Two-Dimensional Nanosheets for Superior Oxidative Desulfurization. <i>ChemCatChem</i> , 2018, 10, 5386-5390.	1.8	28
40	Zeolitic imidazolate frameworks as capacitive deionization electrodes for water desalination and Cr(VI) adsorption: A molecular simulation study. <i>Applied Surface Science</i> , 2021, 546, 149080.	3.1	27
41	Reversible Ratiometric Electrochemiluminescence Biosensor Based on DNAzyme Regulated Resonance Energy Transfer for Myocardial miRNA Detection. <i>Analytical Chemistry</i> , 2022, 94, 7035-7040.	3.2	25
42	Coal based carbon dots: Recent advances in synthesis, properties, and applications. <i>Nano Select</i> , 2021, 2, 1589-1604.	1.9	24
43	Dual-Function HKUST-1: Templating and Catalyzing Formation of Graphitic Carbon Nitride Quantum Dots Under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21499-21504.	7.2	22
44	Superficial Chiral Etching on Achiral Metal-Organic Framework for Enantioselective Sorption. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 32264-32269.	4.0	20
45	Stable Heteropolyoxotitanate Nanocluster for Full Solar Spectrum Photocatalytic Hydrogen Evolution. <i>Journal of Physical Chemistry C</i> , 2017, 121, 18326-18332.	1.5	20
46	Co <sub>3</sub> O <sub>4</sub> nanosheet-built hollow dodecahedrons via a two-step self-templated method and their multifunctional applications. <i>Science China Materials</i> , 2018, 61, 1575-1586.	3.5	20
47	A novel amorphous CoS <sub>x</sub> /NH <sub>2</sub> -MIL-125 composite for photocatalytic degradation of rhodamine B under visible light. <i>Journal of Materials Science</i> , 2020, 55, 16171-16183.	1.7	19
48	Metal-organic frameworks derived TiO <sub>2</sub> /carbon nitride heterojunction photocatalyst with efficient catalytic performance under visible light. <i>Inorganica Chimica Acta</i> , 2022, 536, 120918.	1.2	18
49	Stable Indium Pyridylcarboxylate Framework with Highly Selective Adsorption of Cationic Dyes and Effective Nitrobenzene Detection. <i>Inorganic Chemistry</i> , 2021, 60, 5232-5239.	1.9	17
50	Highly Crystalline Carbon Nitride Nanosheets for Ultrahigh Photocatalytic Hydrogen Evolution. <i>ChemPhotoChem</i> , 2018, 2, 490-497.	1.5	15
51	Stimuli-responsive anisotropic actuation of melem-formaldehyde polymer. <i>Materials Horizons</i> , 2020, 7, 149-156.	6.4	13
52	Synthesis, crystal structure and NMR of [Na(DB18C6)(CH <sub>3</sub> CN)] <sub>3</sub> [PW <sub>12</sub> O <sub>40</sub> ]. <i>Polyhedron</i> , 2005, 24, 2889-2893.	1.0	11
53	Efficient Solar Evaporation by [Ni(Phen) <sub>3</sub> ][V <sub>14</sub> O <sub>34</sub> Cl]Cl Hybrid Semiconductor Confined in Mesoporous Glass. <i>ChemSusChem</i> , 2020, 13, 2945-2951.	3.6	11
54	A gigantic polyoxozirconate with visible photoactivity. <i>Dalton Transactions</i> , 2017, 46, 10185-10188.	1.6	10

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55	Controllable growth of a forest of silver nanowires and their field emission properties. CrystEngComm, 2014, 16, 8646.	1.3	9
56	Hyperstable chromium(III)/manganese(II) bimetallic wheel clusters with visible photoactivity. Dalton Transactions, 2019, 48, 10669-10675.	1.6	9
57	MOFs-derived MoS <sub>2</sub> /C <sub>3</sub> N <sub>4</sub> composites with highly efficient charge separation for photocatalytic H <sub>2</sub> evolution. Inorganica Chimica Acta, 2022, 533, 120787.	1.2	9
58	Concentration-dependent multi-color humic acid-based carbon dots for luminescent polymer composite films. Journal of Materials Science, 2022, 57, 1069-1083.	1.7	9
59	A general approach to functional metal oxide nanobelts: thermal decomposition of precursors and interface diffusion growth mechanism. CrystEngComm, 2014, 16, 952-958.	1.3	8
60	One-Step Synthesis of Dicyanobenzene-Derived Nitrogen-Doped Porous Carbon Monolayers: Porosity and Near-Infrared Photoactivity. ChemCatChem, 2017, 9, 4043-4048.	1.8	8
61	Synthesis, crystal structure and NMR of [Na(DB18C6)(CH <sub>3</sub> CN)] <sub>3</sub> [M <sub>12</sub> O <sub>40</sub> ] (M=Mo/W). Inorganic Chemistry Communication, 2005, 8, 1133-1136.	1.8	6
62	Self-assembly of chiral porous supra-molecular complex with three-dimensional nano-cage structure filled with guest molecule. Inorganic Chemistry Communication, 2006, 9, 403-406.	1.8	6
63	Dual-Function HKUST-1: Templating and Catalyzing Formation of Graphitic Carbon Nitride Quantum Dots Under Mild Conditions. Angewandte Chemie, 2020, 132, 21683-21688.	1.6	6
64	Efficient Photo-Thermo-Electric Conversion Using Polyoxovanadate in Ionic Liquid for Low-Grade Heat Utilization. ChemSusChem, 2021, 14, 5434-5441.	3.6	6
65	Photo-rechargeable lithium-ion battery: progress and prospects. Science Bulletin, 2022, 67, 1087-1089.	4.3	6
66	Morphology control of silver nanostructures via a chemical redox process by mixed amine ligands. CrystEngComm, 2013, 15, 7564.	1.3	4
67	Two-dimensional graphitic carbon nitride based membranes for separation. Science Bulletin, 2019, 64, 1385-1387.	4.3	4
68	Gram-Scale Synthesis of Porous Graphene via Printing Paper Pyrolysis as Supercapacitor Electrodes. Energy Technology, 2021, 9, 2001025.	1.8	4
69	Two-dimensional coordination polymers with high proton conductivity and ultrafast highly efficient molecular sieving constructed by the structural inductive effect. Dalton Transactions, 2022, 51, 5796-5800.	1.6	4
70	Photo-assisted synthesis of inorganic polyoxovanadate. Dalton Transactions, 2020, 49, 9662-9667.	1.6	3
71	Molecular Surgery at Microporous MOF for Mesopore Generation and Renovation. Angewandte Chemie, 2021, 133, 14722-14729.	1.6	3
72	catena-Poly[[diaquazinc(II)]-1/4-trans-4,4'-diazenediyl]dibenzoato- $\mu_4$ O, O $\mu_2$ :O $\mu_2$ :O $\mu_2$ :O $\mu_2$ . Acta Crystallographica Section E: Structure Reports Online, 2009, 65, m509-m509.	0.2	2

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73	Cascade covalent and coordination bond formation for Ti-based cage assembly: catalysis and coordination bifunctionality of TiCl <sub>4</sub> . Dalton Transactions, 2018, 47, 3239-3242.	1.6	2
74	Soluble Hybrid Ionic Semiconductor and Its Photovoltaic Effect in Solution. ACS Applied Materials & Interfaces, 0, , .	4.0	2
75	MOF nanosheet-derived carbon-layer-coated CoP/g-C <sub>3</sub> N <sub>4</sub> photocatalysts with enhanced charge transfer for efficient photocatalytic H <sub>2</sub> generation. CrystEngComm, 2022, 24, 5141-5148.	1.3	1
76	Fluorescence enhancement induced by sulfuric acid intercalation on melem-based polymer. Inorganic Chemistry Communication, 2022, 142, 109600.	1.8	0
77	A Molecular Dynamics Study into Zeolitic Imidazolate Frameworks-Based Capacitive Deionization Electrodes for Mg <sup>2+</sup> Removal and Seawater Desalination. , 2022, , .		0