

# Shuang Wang

## List of Publications by Year in descending order

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53  
papers

1,326  
citations

304743

22  
h-index

345221

36  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1423  
citing authors

#	ARTICLE	IF	CITATIONS
1	From Metal-Organic Squares to Porous Zeolite-like Supramolecular Assemblies. <i>Journal of the American Chemical Society</i> , 2010, 132, 18038-18041.	13.7	126
2	Cross-linked polybenzimidazole with enhanced stability for high temperature proton exchange membrane fuel cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 2187-2193.	6.7	116
3	Assembly of two 3-D metal-organic frameworks from Cd(II) and 4,5-imidazoledicarboxylic acid or 2-ethyl-4,5-imidazoledicarboxylic acid. <i>CrystEngComm</i> , 2008, 10, 1662.	2.6	108
4	Silane-cross-linked polybenzimidazole with improved conductivity for high temperature proton exchange membrane fuel cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 621-629.	10.3	93
5	Cross-linked aromatic cationic polymer electrolytes with enhanced stability for high temperature fuel cell applications. <i>Energy and Environmental Science</i> , 2012, 5, 7617.	30.8	73
6	Quaternized poly (ether ether ketone)s doped with phosphoric acid for high-temperature polymer electrolyte membrane fuel cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13996-14003.	10.3	50
7	Fabrication of bioactive 3D printed porous titanium implants with Sr ion-incorporated zeolite coatings for bone ingrowth. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3254-3261.	5.8	48
8	Macromolecular covalently cross-linked quaternary ammonium poly(ether ether ketone) with polybenzimidazole for anhydrous high temperature proton exchange membranes. <i>Polymer Chemistry</i> , 2014, 5, 4939-4947.	3.9	46
9	Carboxyl-terminated benzimidazole-assisted cross-linked sulfonated poly(ether ether ketone)s for highly conductive PEM with low water uptake and methanol permeability. <i>Journal of Materials Chemistry</i> , 2010, 20, 3246.	6.7	45
10	Highly Effective Ru/BaCeO <sub>3</sub> Catalysts on Supports with Strong Basic Sites for Ammonia Synthesis. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2815-2821.	3.3	36
11	Hierarchical porous carbons derived from microporous zeolitic metal azolate frameworks for supercapacitor electrodes. <i>Materials Research Bulletin</i> , 2017, 88, 62-68.	5.2	32
12	Morphology Effect of Ceria on the Ammonia Synthesis Activity of Ru/CeO <sub>2</sub> Catalysts. <i>Catalysis Letters</i> , 2019, 149, 1007-1016.	2.6	31
13	Mesoporous Co <sub>3</sub> O <sub>4</sub> derived from Co-MOFs with different morphologies and ligands for toluene catalytic oxidation. <i>Chemical Engineering Science</i> , 2020, 220, 115654.	3.8	31
14	The structure-stabilized Co <sub>3</sub> O <sub>4</sub> @Co <sub>9</sub> S <sub>8</sub> core-shell nanorods synthesized by in-situ sulfuration of Co <sub>3</sub> O <sub>4</sub> for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 865, 158296.	5.5	31
15	A Layered Cationic Aluminum Oxyhydroxide as a Highly Efficient and Selective Trap for Heavy Metal Oxyanions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19539-19544.	13.8	30
16	Tuning Gas Adsorption Properties of Zeolite-like Supramolecular Assemblies with gis Topology via Functionalization of Isorecticular Metal-Organic Squares. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 33521-33527.	8.0	27
17	Antenna-Protected Metal-Organic Squares for Water/Ammonia Uptake with Excellent Stability and Regenerability. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5082-5089.	6.7	26
18	Structure and kinetic investigations of surface-stepped CeO <sub>2</sub> -supported Pd catalysts for low-concentration methane oxidation. <i>Chemical Engineering Journal</i> , 2016, 306, 745-753.	12.7	25

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19	A new two-dimensional layered germanate with <i>in situ</i> embedded carbon dots for optical temperature sensing. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 139-144.	6.0	25
20	Self-assembled three-dimensional hierarchical CoMoO <sub>4</sub> nanosheets on NiCo <sub>2</sub> O <sub>4</sub> for high-performance supercapacitor. <i>Journal of Alloys and Compounds</i> , 2019, 793, 418-424.	5.5	25
21	Influence of CeO <sub>2</sub> supports prepared with different precipitants over Ru/CeO <sub>2</sub> catalysts for ammonia synthesis. <i>Solid State Sciences</i> , 2020, 99, 105983.	3.2	25
22	Mesoporous Co <sub>3</sub> O <sub>4</sub> Derived from Facile Calcination of Octahedral Co-MOFs for Toluene Catalytic Oxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 5583-5590.	3.7	23
23	Facile fabrication 1D/2D/3D Co <sub>3</sub> O <sub>4</sub> nanostructure in hydrothermal synthesis for enhanced supercapacitor performance. <i>Journal of Energy Storage</i> , 2021, 38, 102586.	8.1	22
24	S-Doped three-dimensional graphene (S-3DG): a metal-free electrocatalyst for the electrochemical synthesis of ammonia under ambient conditions. <i>Dalton Transactions</i> , 2020, 49, 2258-2263.	3.3	20
25	Mesoporous Co <sub>3</sub> O <sub>4</sub> @carbon composites derived from microporous cobalt-based porous coordination polymers for enhanced electrochemical properties in supercapacitors. <i>RSC Advances</i> , 2016, 6, 18465-18470.	3.6	18
26	N, S synergistic effect in hierarchical porous carbon for enhanced NRR performance. <i>Carbon</i> , 2021, 179, 358-364.	10.3	18
27	Effect of rare earth elements (La, Y, Pr) in multi-element composite perovskite oxide supports for ammonia synthesis. <i>Journal of Rare Earths</i> , 2021, 39, 427-433.	4.8	16
28	Rigidity enhancement of polyimides containing benzimidazole moieties. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1653-1658.	2.6	13
29	Zeolite-Perovskite Composites as Effective Redox Catalysts for Autothermal Cracking of <i>n</i> -Hexane. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14268-14273.	6.7	13
30	Different effect of Y (Y=Cu, Mn, Fe, Ni) doping on Co <sub>3</sub> O <sub>4</sub> derived from Co-MOF for toluene catalytic destruction. <i>Chemical Engineering Science</i> , 2022, 251, 117436.	3.8	13
31	Hydrothermal Synthesis of NiCo <sub>2</sub> O <sub>4</sub> /CoMoO <sub>4</sub> Nanocomposite as a High-Performance Electrode Material for Hybrid Supercapacitors. <i>ChemElectroChem</i> , 2019, 6, 4645-4652.	3.4	12
32	The morphology controlled growth of Co <sub>11</sub> (HPO <sub>3</sub> ) <sub>8</sub> (OH) <sub>6</sub> on nickel foams for quasi-solid-state supercapacitor applications. <i>CrystEngComm</i> , 2020, 22, 5218-5225.	2.6	12
33	Enhancement effect of Mn doping on Co <sub>3</sub> O <sub>4</sub> derived from Co-MOF for toluene catalytic oxidation. <i>Chinese Journal of Chemical Engineering</i> , 2022, 52, 1-9.	3.5	11
34	Syntheses, crystal structures of two coordination polymers constructed from imidazole-based dicarboxylate ligands containing alkyl group. <i>Inorganic Chemistry Communication</i> , 2013, 30, 115-119.	3.9	9
35	One-step synthesis of N, P co-doped porous carbon electrocatalyst for highly efficient nitrogen fixation. <i>Nano Research</i> , 2022, 15, 1779-1785.	10.4	9
36	Solvothermal synthesis, crystal structure and photoluminescent property of a novel 3D [Ca <sub>2</sub> (HCOO) <sub>2</sub> (nds)(H <sub>2</sub> O) <sub>2</sub> ] <sub>n</sub> . <i>Chemical Research in Chinese Universities</i> , 2014, 30, 9-12.	2.6	8

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37	A feasible strategy of coating CoMoO <sub>4</sub> on Co <sub>11</sub> (HPO <sub>3</sub> ) <sub>8</sub> (OH) <sub>6</sub> nanorods for improved practical application in supercapacitors. <i>Sustainable Energy and Fuels</i> , 2021, 6, 209-216.	4.9	8
38	Synthesis and Dewatering Properties of Cellulose Derivative-Grafting DMC Amphoteric Biodegradable Flocculants. <i>Journal of Polymers and the Environment</i> , 2021, 29, 565-575.	5.0	7
39	The preparation of 3D Ni <sub>3</sub> S <sub>2</sub> /MnS <sub>2</sub> composite by in-situ vulcanization for a hybrid supercapacitor. <i>Materials Letters</i> , 2022, 319, 132274.	2.6	7
40	A metal-free catalyst: sulfur-doped and sulfur nanoparticle-modified CMK-3 as an electrocatalyst for enhanced N <sub>2</sub> -fixation. <i>New Journal of Chemistry</i> , 2020, 44, 20935-20939.	2.8	6
41	Two new 2D coordination polymers constructed from 2, 6-dimethylpyridine-3, 5-dicarboxylic acid ligands and alkaline earth metals (Sr and Ba). <i>Inorganic Chemistry Communication</i> , 2013, 35, 307-310.	3.9	4
42	The effect of barium-promoted for microsphere Ru/CeO <sub>2</sub> catalysts in ammonia synthesis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 689-699.	2.3	4
43	Size controlling preparation, adsorption and catalytic properties of silica microspheres. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 843-847.	2.6	3
44	A Layered Cationic Aluminum Oxyhydroxide as a Highly Efficient and Selective Trap for Heavy Metal Oxyanions. <i>Angewandte Chemie</i> , 2020, 132, 19707-19712.	2.0	3
45	Microwave-assisted Catalyzed Synthesis and In vitro Bioactivity Evaluation of Benzimidazoles Bearing Phenolic Hydroxyl. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 639-646.	2.6	3
46	The modulation of catalytic active site and support to construct high-efficiency ZnS/NC-X electrocatalyst for nitrogen reduction. <i>Nano Research</i> , 2022, 15, 7903-7909.	10.4	3
47	A new 3D coordination polymer based on 2,6-dimethylpyridine-3,5-dicarboxylic acid and 4,4'-bipyridine mixed ligands. <i>Inorganic Chemistry Communication</i> , 2014, 48, 86-89.	3.9	2
48	Facile synthesis of mesoporous Co <sub>3</sub> O <sub>4</sub> nanoflowers for catalytic combustion of ventilation air methane. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 965-970.	2.6	2
49	Microwave-assisted synthesis and luminescent properties of triphenylamine substituted mono- and di-branched benzimidazole derivatives. <i>Chemical Papers</i> , 2021, 75, 1485-1496.	2.2	2
50	Co <sub>2</sub> P wrapped Co <sub>3</sub> O <sub>4</sub> grass-like nanowires for improved electrochemical performance in supercapacitors. <i>Chemical Engineering Science: X</i> , 2021, 12, 100114.	1.5	2
51	Effects of ammonium chloride on structural stability of cobalt carbonate hydroxide and their improved electrochemical performance for supercapacitor. <i>Journal of Energy Storage</i> , 2021, 44, 103472.	8.1	2
52	Characterization of boron nitride phase transformations in the Li-B-N system under high pressure and high temperature. <i>Journal of Alloys and Compounds</i> , 2015, 644, 888-892.	5.5	1
53	Two-Dimensional Cationic Aluminoborate as a New Paradigm for Highly Selective and Efficient Cr(VI) Capture from Aqueous Solution. <i>Jacs Au</i> , 2022, 2, 1669-1678.	7.9	1