

# Sibo Wang

## List of Publications by Year in descending order

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67  
papers

11,289  
citations

61687

45  
h-index

100535

70  
g-index

72  
all docs

72  
docs citations

72  
times ranked

11043  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoporous cobalt tungstate nanoparticles for efficient and stable visible-light-driven photocatalytic CO <sub>2</sub> reduction. <i>Materials Today Energy</i> , 2022, 24, 100943.	2.5	31
2	Incorporation of Metal Active Sites on Porous Polycarbazoles for Photocatalytic CO <sub>2</sub> Reduction. <i>ChemCatChem</i> , 2022, 14, .	1.8	10
3	Steering Unit Cell Dipole and Internal Electric Field by Highly Dispersed Er atoms Embedded into NiO for Efficient CO <sub>2</sub> Photoreduction. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	52
4	S-scheme CoTiO <sub>3</sub> /Cd <sub>0.51</sub> Zn <sub>0.49</sub> S <sub>10</sub> heterostructures for visible-light driven photocatalytic CO <sub>2</sub> reduction. <i>Journal of Materials Science and Technology</i> , 2022, 124, 164-170.	5.6	83
5	Triptycene incorporated carbon nitride based donor-acceptor conjugated polymers with superior visible-light photocatalytic activities. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 675-689.	5.0	8
6	Anchoring ZnIn <sub>2</sub> S <sub>4</sub> nanosheets on ultrathin boron carbon nitride layers for improved photo-redox catalysis. <i>Applied Surface Science</i> , 2022, 599, 153985.	3.1	14
7	Regulating morphological and electronic structures of polymeric carbon nitrides by successive copolymerization and stream reforming for photocatalytic CO <sub>2</sub> reduction. <i>Catalysis Science and Technology</i> , 2021, 11, 2570-2576.	2.1	16
8	Well-defined Co <sub>9</sub> S <sub>8</sub> cages enable the separation of photoexcited charges to promote visible-light CO <sub>2</sub> reduction. <i>Nanoscale</i> , 2021, 13, 18070-18076.	2.8	43
9	Tuning Crystallinity and Surface Hydrophobicity of a Cobalt Phosphide Cocatalyst to Boost CO <sub>2</sub> Photoreduction Performance. <i>ChemSusChem</i> , 2021, 14, 1302-1307.	3.6	32
10	Cobalt Phosphide Cocatalysts Coated with Porous N-doped Carbon Layers for Photocatalytic CO <sub>2</sub> Reduction. <i>ChemCatChem</i> , 2021, 13, 3581-3587.	1.8	18
11	Recent Advancements in Photocatalytic Valorization of Plastic Waste to Chemicals and Fuels. <i>Frontiers in Nanotechnology</i> , 2021, 3, .	2.4	31
12	Distorted carbon nitride nanosheets with activated nâ†’â€ transition and preferred textural properties for photocatalytic CO <sub>2</sub> reduction. <i>Journal of Catalysis</i> , 2021, 402, 166-176.	3.1	101
13	All-solid-state direct Z-scheme NiTiO <sub>3</sub> /Cd <sub>0.5</sub> Zn <sub>0.5</sub> S heterostructures for photocatalytic hydrogen evolution with visible light. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10270-10276.	5.2	136
14	Hierarchical Hollow Heterostructures for Photocatalytic CO <sub>2</sub> Reduction and Water Splitting. <i>Small Methods</i> , 2020, 4, 1900586.	4.6	157
15	Unravelling the Promotional Effect of La <sub>2</sub> O <sub>3</sub> in Pt/Laâ€TiO <sub>2</sub> Catalysts for CO <sub>2</sub> Hydrogenation. <i>Chemistry - A European Journal</i> , 2020, 26, 517-523.	1.7	13
16	Molten salt assisted assembly growth of atomically thin boron carbon nitride nanosheets for photocatalytic H <sub>2</sub> evolution. <i>Chemical Communications</i> , 2020, 56, 2558-2561.	2.2	40
17	Direct probing of atomically dispersed Ru species over multi-edged TiO <sub>2</sub> for highly efficient photocatalytic hydrogen evolution. <i>Science Advances</i> , 2020, 6, .	4.7	161
18	Formation of Hierarchical FeCoS <sub>2</sub> @CoS <sub>2</sub> Double-shelled Nanotubes with Enhanced Performance for Photocatalytic Reduction of CO <sub>2</sub> . <i>Angewandte Chemie</i> , 2020, 132, 12016-12020.	1.6	24

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19	Hydrogen reduction treatment of boron carbon nitrides for photocatalytic selective oxidation of alcohols. <i>Applied Catalysis B: Environmental</i> , 2020, 276, 118916.	10.8	49
20	Direct Conversion of Rice Husks to Nanostructured SiC/C for CO <sub>2</sub> Photoreduction. <i>Advanced Materials</i> , 2020, 32, e2001560.	11.1	78
21	Fabrication of hierarchical Co <sub>3</sub> O <sub>4</sub> @CdIn <sub>2</sub> S <sub>4</sub> p-n heterojunction photocatalysts for improved CO <sub>2</sub> reduction with visible light. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7177-7183.	5.2	176
22	Formation of Hierarchical FeCoS <sub>2</sub> @CoS <sub>2</sub> Double-shelled Nanotubes with Enhanced Performance for Photocatalytic Reduction of CO <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11918-11922.	7.2	202
23	Supporting Ultrathin ZnIn <sub>2</sub> S <sub>4</sub> Nanosheets on Co/N-doped Graphitic Carbon Nanocages for Efficient Photocatalytic H <sub>2</sub> Generation. <i>Advanced Materials</i> , 2019, 31, e1903404.	11.1	300
24	Interfacing Manganese Oxide and Cobalt in Porous Graphitic Carbon Polyhedrons Boosts Oxygen Electrocatalysis for Zn-Air Batteries. <i>Advanced Materials</i> , 2019, 31, e1902339.	11.1	363
25	Dispersed Nickel Cobalt Oxyphosphide Nanoparticles Confined in Multichannel Hollow Carbon Fibers for Photocatalytic CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , 2019, 131, 17396-17400.	1.6	17
26	Dispersed Nickel Cobalt Oxyphosphide Nanoparticles Confined in Multichannel Hollow Carbon Fibers for Photocatalytic CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17236-17240.	7.2	184
27	Spinel-type Mixed Metal Sulfide NiCo <sub>2</sub> S <sub>4</sub> for Efficient Photocatalytic Reduction of CO <sub>2</sub> with Visible Light. <i>ChemCatChem</i> , 2019, 11, 5513-5518.	1.8	24
28	Photocatalytic overall water splitting by spatially-separated Rh and RhOx cocatalysts on polymeric carbon nitride nanosheets. <i>Journal of Catalysis</i> , 2019, 379, 129-137.	3.1	34
29	Photocatalysis: Supporting Ultrathin ZnIn <sub>2</sub> S <sub>4</sub> Nanosheets on Co/N-doped Graphitic Carbon Nanocages for Efficient Photocatalytic H <sub>2</sub> Generation (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT7/Overload	11.1	300
30	Magnetic Hollow Spheres Assembled from Graphene-Encapsulated Nickel Nanoparticles for Efficient Photocatalytic CO <sub>2</sub> Reduction. <i>ACS Applied Energy Materials</i> , 2019, 2, 7670-7678.	2.5	78
31	MOF-derived hierarchical hollow spheres composed of carbon-confined Ni nanoparticles for efficient CO <sub>2</sub> methanation. <i>Catalysis Science and Technology</i> , 2019, 9, 731-738.	2.1	87
32	Modulation of Polymeric Carbon Nitrides through Supramolecular Preorganization for Efficient Photocatalytic Hydrogen Generation. <i>ChemSusChem</i> , 2019, 12, 3320-3325.	3.6	24
33	Ordered colloidal clusters constructed by nanocrystals with valence for efficient CO <sub>2</sub> photoreduction. <i>Science Advances</i> , 2019, 5, eaax5095.	4.7	62
34	Branch-like Zn-DETA/Cds hierarchical heterostructures as an efficient photocatalyst for visible light CO <sub>2</sub> reduction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26877-26883.	5.2	91
35	Tailored indium sulfide-based materials for solar-energy conversion and utilization. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2019, 38, 1-26.	5.6	127
36	Hierarchical Microboxes Constructed by SnS Nanoplates Coated with Nitrogen-doped Carbon for Efficient Sodium Storage. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 760-763.	7.2	152

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37	Hierarchical Microboxes Constructed by SnS Nanoplates Coated with Nitrogen-doped Carbon for Efficient Sodium Storage. <i>Angewandte Chemie</i> , 2019, 131, 770-773.	1.6	40
38	Fabrication of CdS hierarchical multi-cavity hollow particles for efficient visible light CO <sub>2</sub> reduction. <i>Energy and Environmental Science</i> , 2019, 12, 164-168.	15.6	217
39	Boron Carbon Nitride Semiconductors Decorated with CdS Nanoparticles for Photocatalytic Reduction of CO <sub>2</sub> . <i>ACS Catalysis</i> , 2018, 8, 4928-4936.	5.5	413
40	Rationally designed hierarchical N-doped carbon@NiCo <sub>2</sub> O <sub>4</sub> double-shelled nanoboxes for enhanced visible light CO <sub>2</sub> reduction. <i>Energy and Environmental Science</i> , 2018, 11, 306-310.	15.6	357
41	Construction of ZnIn <sub>2</sub> S <sub>4</sub> -In <sub>2</sub> O <sub>3</sub> Hierarchical Tubular Heterostructures for Efficient CO <sub>2</sub> Photoreduction. <i>Journal of the American Chemical Society</i> , 2018, 140, 5037-5040.	6.6	934
42	Photocatalytic CO <sub>2</sub> reduction promoted by uniform perovskite hydroxide CoSn(OH) <sub>6</sub> nanocubes. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 1009-1016.	10.8	100
43	Bioinspired cobalt cubanes with tunable redox potentials for photocatalytic water oxidation and CO <sub>2</sub> reduction. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2331-2339.	1.3	4
44	Formation of Hierarchical Co <sub>9</sub> S <sub>8</sub> @ZnIn <sub>2</sub> S <sub>4</sub> Heterostructured Cages as an Efficient Photocatalyst for Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2018, 140, 15145-15148.	6.6	642
45	Dynamic Migration of Surface Fluorine Anions on Cobalt-Based Materials to Achieve Enhanced Oxygen Evolution Catalysis. <i>Angewandte Chemie</i> , 2018, 130, 15697-15701.	1.6	11
46	Dynamic Migration of Surface Fluorine Anions on Cobalt-Based Materials to Achieve Enhanced Oxygen Evolution Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15471-15475.	7.2	178
47	Perovskite Oxide LaNiO <sub>3</sub> Nanoparticles for Boosting H <sub>2</sub> Evolution over Commercial CdS with Visible Light. <i>Chemistry - A European Journal</i> , 2018, 24, 18512-18517.	1.7	69
48	Layered Heterostructures of Ultrathin Polymeric Carbon Nitride and ZnIn <sub>2</sub> S <sub>4</sub> Nanosheets for Photocatalytic CO <sub>2</sub> Reduction. <i>Chemistry - A European Journal</i> , 2018, 24, 18529-18534.	1.7	116
49	Structure-mediated Charge Separation in Boron Carbon Nitride for Enhanced Photocatalytic Oxidation of Alcohol. <i>ChemSusChem</i> , 2018, 11, 3949-3955.	3.6	46
50	Visible-light reduction CO <sub>2</sub> with dodecahedral zeolitic imidazolate framework ZIF-67 as an efficient co-catalyst. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 476-482.	10.8	443
51	Developing an efficient NiCo <sub>2</sub> S <sub>4</sub> cocatalyst for improving the visible light H <sub>2</sub> evolution performance of CdS nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25919-25926.	1.3	43
52	Rational Design of Three-layered TiO <sub>2</sub> @Carbon@MoS <sub>2</sub> Hierarchical Nanotubes for Enhanced Lithium Storage. <i>Advanced Materials</i> , 2017, 29, 1702724.	11.1	300
53	Formation of Hierarchical In <sub>2</sub> S <sub>3</sub> -CdIn <sub>2</sub> S <sub>4</sub> Heterostructured Nanotubes for Efficient and Stable Visible Light CO <sub>2</sub> Reduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 17305-17308.	6.6	585
54	Imidazolium Ionic Liquids, Imidazolylidene Heterocyclic Carbenes, and Zeolitic Imidazolate Frameworks for CO <sub>2</sub> Capture and Photochemical Reduction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2308-2320.	7.2	377

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55	Imidazolatsysteme zur CO <sub>2</sub> -Abscheidung und photochemischen Reduktion. <i>Angewandte Chemie</i> , 2016, 128, 2352-2364.	1.6	52
56	Photocatalytic CO <sub>2</sub> Reduction to CO by ZIF-9/TiO <sub>2</sub> . <i>Nanostructure Science and Technology</i> , 2016, , 491-506.	0.1	0
57	Development of a Stable MnCo <sub>2</sub> O <sub>4</sub> Cocatalyst for Photocatalytic CO <sub>2</sub> Reduction with Visible Light. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4327-4335.	4.0	271
58	3D arrays of molybdenum sulphide nanosheets on Mo meshes: Efficient electrocatalysts for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2015, 174, 653-659.	2.6	33
59	Multifunctional Metal-Organic Frameworks for Photocatalysis. <i>Small</i> , 2015, 11, 3097-3112.	5.2	538
60	Photocatalytic reduction of CO <sub>2</sub> by graphitic carbon nitride polymers derived from urea and barbituric acid. <i>Applied Catalysis B: Environmental</i> , 2015, 179, 1-8.	10.8	360
61	NaF-assisted hydrothermal synthesis of Ti-doped hematite nanocubes with enhanced photoelectrochemical activity for water splitting. <i>Applied Surface Science</i> , 2015, 359, 805-811.	3.1	31
62	A stable ZnCo <sub>2</sub> O <sub>4</sub> cocatalyst for photocatalytic CO <sub>2</sub> reduction. <i>Chemical Communications</i> , 2015, 51, 1517-1519.	2.2	167
63	Photocatalytic CO <sub>2</sub> reduction by CdS promoted with a zeolitic imidazolate framework. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 494-500.	10.8	389
64	Cobalt Imidazolate Metal-Organic Frameworks Photosplit CO <sub>2</sub> under Mild Reaction Conditions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1034-1038.	7.2	523
65	Semiconductor-redox catalysis promoted by metal-organic frameworks for CO <sub>2</sub> reduction. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 14656.	1.3	265
66	Water oxidation electrocatalysis by a zeolitic imidazolate framework. <i>Nanoscale</i> , 2014, 6, 9930-9934.	2.8	157
67	Amine-functionalized zirconium metal-organic framework as efficient visible-light photocatalyst for aerobic organic transformations. <i>Chemical Communications</i> , 2012, 48, 11656.	2.2	405