

# Shan Gao

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

5,865  
citations

361413  
20  
h-index

526287  
27  
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29  
all docs

29  
docs citations

29  
times ranked

7670  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrathin Metal Silicate Hydroxide Nanosheets with Moderate Metal–Oxygen Covalency Enables Efficient Oxygen Evolution. <i>Energy and Environmental Materials</i> , 2022, 5, 231-237.	12.8	28
2	Pd homojunctions enable remarkable CO <sub>2</sub> electroreduction. <i>Chemical Communications</i> , 2022, 58, 387-390.	4.1	9
3	Nitrogen-doped porous carbon nanosheets as a robust catalyst for tunable CO <sub>2</sub> electroreduction to syngas. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1512-1518.	4.9	5
4	A dendrite-suppressed and utilization-improved metallic Li anode enabled by lithiophilic nano-Pb decoration on carbon cloth. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8424-8431.	10.3	9
5	Developing Atomically Thin Li <sub>1.81</sub> H <sub>0.19</sub> Ti <sub>2</sub> O <sub>5</sub> ·2H <sub>2</sub> O Nanosheets for Selective Photocatalytic CO <sub>2</sub> Reduction to CO. <i>Langmuir</i> , 2022, 38, 523-530.	3.5	4
6	Efficient Visible-Light-Driven CO <sub>2</sub> Reduction Mediated by Defect-Engineered BiOBr Atomic Layers. <i>Angewandte Chemie</i> , 2018, 130, 8855-8859.	2.0	124
7	Efficient Visible-Light-Driven CO <sub>2</sub> Reduction Mediated by Defect-Engineered BiOBr Atomic Layers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8719-8723.	13.8	439
8	Atomic layer confined vacancies for atomic-level insights into carbon dioxide electroreduction. <i>Nature Communications</i> , 2017, 8, 14503.	12.8	365
9	Highly Efficient and Exceptionally Durable CO <sub>2</sub> Photoreduction to Methanol over Freestanding Defective Single-Unit-Cell Bismuth Vanadate Layers. <i>Journal of the American Chemical Society</i> , 2017, 139, 3438-3445.	13.7	508
10	Defect-Mediated Electron–Hole Separation in One-Unit-Cell ZnIn <sub>2</sub> S <sub>4</sub> Layers for Boosted Solar-Driven CO <sub>2</sub> Reduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 7586-7594.	13.7	764
11	Ultrathin Co <sub>3</sub> O <sub>4</sub> Layers Realizing Optimized CO <sub>2</sub> Electroreduction to Formate. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 698-702.	13.8	424
12	Partially oxidized atomic cobalt layers for carbon dioxide electroreduction to liquid fuel. <i>Nature</i> , 2016, 529, 68-71.	27.8	1,565
13	Innentitelbild: Metallic Single-Unit-Cell Orthorhombic Cobalt Diselenide Atomic Layers: Robust Water-Electrolysis Catalysts ( <i>Angew. Chem.</i> 41/2015). <i>Angewandte Chemie</i> , 2015, 127, 12046-12046.	2.0	1
14	Metallic Single-Unit-Cell Orthorhombic Cobalt Diselenide Atomic Layers: Robust Water-Electrolysis Catalysts. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12004-12008.	13.8	166
15	Single Unit Cell Bismuth Tungstate Layers Realizing Robust Solar CO <sub>2</sub> Reduction to Methanol. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13971-13974.	13.8	342
16	Ultrahigh Energy Density Realized by a Single-Layer $\text{Co}(\text{OH})_2$ All-Solid-State Asymmetric Supercapacitor. <i>Angewandte Chemie</i> , 2014, 126, 13003-13007.	2.0	32
17	All-Surface-Atomic-Metal Chalcogenide Sheets for High-Efficiency Visible-Light Photoelectrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2014, 4, 1300611.	19.5	154
18	Ultrahigh Energy Density Realized by a Single-Layer $\text{Co}(\text{OH})_2$ All-Solid-State Asymmetric Supercapacitor. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12789-12793.	13.8	290

#	ARTICLE	IF	CITATIONS
19	Free-floating ultrathin tin monoxide sheets for solar-driven photoelectrochemical water splitting. Journal of Materials Chemistry A, 2014, 2, 10647.	10.3	54
20	Photoelectrochemical Reactions: Allâ€œSurfaceâ€œAtomicâ€œMetal Chalcogenide Sheets for Highâ€œEfficiency Visibleâ€œLight Photoelectrochemical Water Splitting (Adv. Energy Mater. 1/2014). Advanced Energy Materials, 2014, 4, .	19.5	3
21	Atomically-thin non-layered cobalt oxide porous sheets for highly efficient oxygen-evolving electrocatalysts. Chemical Science, 2014, 5, 3976.	7.4	332
22	Innentitelbild: Freestanding Tin Disulfide Single-Layers Realizing Efficient Visible-Light Water Splitting (Angew. Chem. 35/2012). Angewandte Chemie, 2012, 124, 8798-8798.	2.0	4