

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
g-index

29
all docs

29
docs citations

29
times ranked

7670
citing authors

#	ARTICLE	IF	CITATIONS
1	Partially oxidized atomic cobalt layers for carbon dioxide electroreduction to liquid fuel. <i>Nature</i> , 2016, 529, 68-71.	27.8	1,565
2	Defect-Mediated Electron-Hole Separation in One-Unit-Cell ZnIn ₂ S ₄ Layers for Boosted Solar-Driven CO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 7586-7594.	13.7	764
3	Highly Efficient and Exceptionally Durable CO ₂ 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
4	Efficient Visible-Light-Driven CO ₂ Reduction Mediated by Defect-Engineered BiOBr Atomic Layers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8719-8723.	13.8	439
5	Ultrathin Co ₃ O ₄ Layers Realizing Optimized CO ₂ Electroreduction to Formate. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 698-702.	13.8	424
6	Atomic layer confined vacancies for atomic-level insights into carbon dioxide electroreduction. <i>Nature Communications</i> , 2017, 8, 14503.	12.8	365
7	Single Unit Cell Bismuth Tungstate Layers Realizing Robust Solar CO ₂ Reduction to Methanol. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13971-13974.	13.8	342
8	Atomically-thin non-layered cobalt oxide porous sheets for highly efficient oxygen-evolving electrocatalysts. <i>Chemical Science</i> , 2014, 5, 3976.	7.4	332
9	Ultrahigh Energy Density Realized by a Single-Layer Co(OH) ₂ All-Solid-State Asymmetric Supercapacitor. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12789-12793.	13.8	290
10	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
11	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
12	Efficient Visible-Light-Driven CO ₂ Reduction Mediated by Defect-Engineered BiOBr Atomic Layers. <i>Angewandte Chemie</i> , 2018, 130, 8855-8859.	2.0	124
13	Free-floating ultrathin tin monoxide sheets for solar-driven photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10647.	10.3	54
14	Ultrahigh Energy Density Realized by a Single-Layer Co(OH) ₂ All-Solid-State Asymmetric Supercapacitor. <i>Angewandte Chemie</i> , 2014, 126, 13003-13007.	2.0	32
15	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
16	Pd homojunctions enable remarkable CO ₂ electroreduction. <i>Chemical Communications</i> , 2022, 58, 387-390.	4.1	9
17	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
18	Nitrogen-doped porous carbon nanosheets as a robust catalyst for tunable CO ₂ electroreduction to syngas. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1512-1518.	4.9	5

#	ARTICLE	IF	CITATIONS
19	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
20	Developing Atomically Thin $\text{Li}_{1.81}\text{H}_{0.19}\text{Ti}_2\text{O}_5 \cdot 2\text{H}_2\text{O}$ Nanosheets for Selective Photocatalytic CO_2 Reduction to CO. Langmuir, 2022, 38, 523-530.	3.5	4
21	Photoelectrochemical Reactions: Allâ€Surfaceâ€Atomicâ€Metal Chalcogenide Sheets for Highâ€Efficiency Visibleâ€Light Photoelectrochemical Water Splitting (Adv. Energy Mater. 1/2014). Advanced Energy Materials, 2014, 4, .	19.5	3
22	Innentitelbild: Metallic Single-Unit-Cell Orthorhombic Cobalt Diselenide Atomic Layers: Robust Water-Electrolysis Catalysts (Angew. Chem. 41/2015). Angewandte Chemie, 2015, 127, 12046-12046.	2.0	1