

# Siyuan Gao

## List of Publications by Year in descending order

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15  
papers

465  
citations

933447

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h-index

1058476

14  
g-index

15  
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docs citations

15  
times ranked

633  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Energy and Stable Subfreezing Aqueous Zn-MnO <sub>2</sub> Batteries with Selective and Pseudocapacitive Zn-Ion Insertion in MnO <sub>2</sub> . <i>Advanced Materials</i> , 2022, 34, e2201510.	21.0	36
2	One-Step Synthesis of Na-Sn Alloy with Internal 3D Na <sub>15</sub> Sn <sub>4</sub> Support for Fast and Stable Na Metal Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 20-26.	5.1	6
3	Redox catalysis-promoted fast iodine kinetics for polyiodide-free Na-I <sub>2</sub> electrochemistry. <i>Journal of Materials Chemistry A</i> , 2022, 10, 11325-11331.	10.3	6
4	Sodiated Na <sub>x</sub> SnSb nanoparticles embedded in N-doped graphene sponges direct uniform Na nucleation and smooth plating for high efficiency Na metal batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6123-6130.	10.3	9
5	Synergistics of Fe <sub>3</sub> C and Fe on Mesoporous Fe-N-C Sulfur Host for Nearly Complete and Fast Lithium Polysulfide Conversion. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 17791-17799.	8.0	9
6	Modulating MnO <sub>2</sub> Interface with Flexible and Self-Adhering Alkylphosphonic Layers for High-Performance Zn-MnO <sub>2</sub> Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 23724-23731.	8.0	13
7	Carbon Free and Noble Metal Free Ni <sub>2</sub> Mo <sub>6</sub> S <sub>8</sub> Electrocatalyst for Selective Electrosynthesis of H <sub>2</sub> O <sub>2</sub> . <i>Advanced Functional Materials</i> , 2021, 31, 2104716.	14.9	44
8	Synergistic Multisites Fe <sub>2</sub> Mo <sub>6</sub> S <sub>8</sub> Electrocatalysts for Ambient Nitrogen Conversion to Ammonia. <i>ACS Nano</i> , 2021, 15, 16887-16895.	14.6	27
9	Elastic Na <sub>x</sub> MoS <sub>2</sub> -Carbon-BASE Triple Interface Direct Robust Solid-Solid Interface for All-Solid-State Na-S Batteries. <i>Nano Letters</i> , 2020, 20, 6837-6844.	9.1	29
10	Modulating reactivity and stability of metallic lithium via atomic doping. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10363-10369.	10.3	18
11	Li <sub>x</sub> NiO/Ni Heterostructure with Strong Basic Lattice Oxygen Enables Electrocatalytic Hydrogen Evolution with Pt-like Activity. <i>Journal of the American Chemical Society</i> , 2020, 142, 12613-12619.	13.7	103
12	Regulating Interfacial Na-Ion Flux via Artificial Layers with Fast Ionic Conductivity for Stable and High-Rate Na Metal Batteries. , 2019, 1, 303-309.		27
13	A fast and stable Li metal anode incorporating an Mo <sub>6</sub> S <sub>8</sub> artificial interphase with super Li-ion conductivity. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6038-6044.	10.3	34
14	Manipulating Polysulfide Conversion with Strongly Coupled Fe <sub>3</sub> O <sub>4</sub> and Nitrogen Doped Carbon for Stable and High Capacity Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1807309.	14.9	75
15	High rate and stable symmetric potassium ion batteries fabricated with flexible electrodes and solid-state electrolytes. <i>Nanoscale</i> , 2018, 10, 20754-20760.	5.6	29