

Haomin Xu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,703
citations

516710

16
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

1982
citing authors

#	ARTICLE	IF	CITATIONS
1	A Graphene-Supported Single-Atom FeN ₅ Catalytic Site for Efficient Electrochemical CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14871-14876.	13.8	410
2	Scalable two-step annealing method for preparing ultra-high-density single-atom catalyst libraries. <i>Nature Nanotechnology</i> , 2022, 17, 174-181.	31.5	279
3	Engineering Local and Global Structures of Single Co Atoms for a Superior Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2020, 10, 5862-5870.	11.2	126
4	Atomically-precise dopant-controlled single cluster catalysis for electrochemical nitrogen reduction. <i>Nature Communications</i> , 2020, 11, 4389.	12.8	110
5	A Graphene-Supported Single-Atom FeN ₅ Catalytic Site for Efficient Electrochemical CO ₂ Reduction. <i>Angewandte Chemie</i> , 2019, 131, 15013-15018.	2.0	107
6	Printable two-dimensional superconducting monolayers. <i>Nature Materials</i> , 2021, 20, 181-187.	27.5	102
7	Activating Basal Planes of NiPS ₃ for Hydrogen Evolution by Nonmetal Heteroatom Doping. <i>Advanced Functional Materials</i> , 2020, 30, 1908708.	14.9	96
8	Tuning the Spin Density of Cobalt Single-Atom Catalysts for Efficient Oxygen Evolution. <i>ACS Nano</i> , 2021, 15, 7105-7113.	14.6	90
9	Ordered clustering of single atomic Te vacancies in atomically thin PtTe ₂ promotes hydrogen evolution catalysis. <i>Nature Communications</i> , 2021, 12, 2351.	12.8	83
10	Dense-Stacking Porous Conjugated Polymer as Reactive-Type Host for High-Performance Lithium Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11359-11369.	13.8	62
11	Zero-Valent Palladium Single-Atoms Catalysts Confined in Black Phosphorus for Efficient Semi-Hydrogenation. <i>Advanced Materials</i> , 2021, 33, e2008471.	21.0	55
12	Facile Production of Phosphorene Nanoribbons towards Application in Lithium Metal Battery. <i>Advanced Materials</i> , 2021, 33, e2102083.	21.0	43
13	High yield electrochemical exfoliation synthesis of tin selenide quantum dots for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23958-23963.	10.3	26
14	Imprinting Ferromagnetism and Superconductivity in Single Atomic Layers of Molecular Superlattices. <i>Advanced Materials</i> , 2020, 32, e1907645.	21.0	25
15	Electrochemically Exfoliated Platinum Dichalcogenide Atomic Layers for High-Performance Air-Stable Infrared Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8518-8527.	8.0	23
16	Chemical design and synthesis of superior single-atom electrocatalysts <i>via in situ</i> polymerization. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17683-17690.	10.3	19
17	Atomically Precise Single Metal Oxide Cluster Catalyst with Oxygen-Controlled Activity. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	13
18	Degradation Chemistry and Kinetic Stabilization of Magnetic CrI ₃ . <i>Journal of the American Chemical Society</i> , 2022, 144, 5295-5303.	13.7	13

#	ARTICLE	IF	CITATIONS
19	Dense π -Stacking Porous Conjugated Polymer as Reactive π -Type Host for High-Performance Lithium Sulfur Batteries. <i>Angewandte Chemie</i> , 2021, 133, 11460-11470.	2.0	11
20	Two-Dimensional Conjugated Covalent Organic Framework Films via Oxidative C π -C Coupling Reactions at a Liquid π -Liquid Interface. <i>Organic Materials</i> , 2021, 03, 060-066.	2.0	2
21	Catalytically active atomically thin cuprate with periodic Cu single sites. <i>National Science Review</i> , 2023, 10, .	9.5	2