

Haomin Xu

List of Publications by Year in descending order

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21
papers

1,703
citations

516710

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677142

22
g-index

23
all docs

23
docs citations

23
times ranked

1982
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytically active atomically thin cuprate with periodic Cu single sites. National Science Review, 2023, 10, .	9.5	2
2	Scalable two-step annealing method for preparing ultra-high-density single-atom catalyst libraries. Nature Nanotechnology, 2022, 17, 174-181.	31.5	279
3	Atomically Precise Single Metal Oxide Cluster Catalyst with Oxygen-Controlled Activity. Advanced Functional Materials, 2022, 32, .	14.9	13
4	Degradation Chemistry and Kinetic Stabilization of Magnetic CrI ₃ . Journal of the American Chemical Society, 2022, 144, 5295-5303.	13.7	13
5	Printable two-dimensional superconducting monolayers. Nature Materials, 2021, 20, 181-187.	27.5	102
6	Two-Dimensional Conjugated Covalent Organic Framework Films via Oxidative C-C Coupling Reactions at a Liquid-Liquid Interface. Organic Materials, 2021, 03, 060-066.	2.0	2
7	Electrochemically Exfoliated Platinum Dichalcogenide Atomic Layers for High-Performance Air-Stable Infrared Photodetectors. ACS Applied Materials & Interfaces, 2021, 13, 8518-8527.	8.0	23
8	Tuning the Spin Density of Cobalt Single-Atom Catalysts for Efficient Oxygen Evolution. ACS Nano, 2021, 15, 7105-7113.	14.6	90
9	Dense-Stacking Porous Conjugated Polymer as Reactive-Type Host for High-Performance Lithium Sulfur Batteries. Angewandte Chemie, 2021, 133, 11460-11470.	2.0	11
10	Ordered clustering of single atomic Te vacancies in atomically thin PtTe ₂ promotes hydrogen evolution catalysis. Nature Communications, 2021, 12, 2351.	12.8	83
11	Dense-Stacking Porous Conjugated Polymer as Reactive-Type Host for High-Performance Lithium Sulfur Batteries. Angewandte Chemie - International Edition, 2021, 60, 11359-11369.	13.8	62
12	Zero-Valent Palladium Single-Atoms Catalysts Confined in Black Phosphorus for Efficient Semi-Hydrogenation. Advanced Materials, 2021, 33, e2008471.	21.0	55
13	Facile Production of Phosphorene Nanoribbons towards Application in Lithium Metal Battery. Advanced Materials, 2021, 33, e2102083.	21.0	43
14	Chemical design and synthesis of superior single-atom electrocatalysts <i>via in situ</i> polymerization. Journal of Materials Chemistry A, 2020, 8, 17683-17690.	10.3	19
15	Atomically-precise dopant-controlled single cluster catalysis for electrochemical nitrogen reduction. Nature Communications, 2020, 11, 4389.	12.8	110
16	Imprinting Ferromagnetism and Superconductivity in Single Atomic Layers of Molecular Superlattices. Advanced Materials, 2020, 32, e1907645.	21.0	25
17	Engineering Local and Global Structures of Single Co Atoms for a Superior Oxygen Reduction Reaction. ACS Catalysis, 2020, 10, 5862-5870.	11.2	126
18	Activating Basal Planes of NiPS ₃ for Hydrogen Evolution by Nonmetal Heteroatom Doping. Advanced Functional Materials, 2020, 30, 1908708.	14.9	96

#	ARTICLE	IF	CITATIONS
19	A Grapheneâ€Supported Singleâ€Atom FeN₅ Catalytic Site for Efficient Electrochemical CO₂ Reduction. <i>Angewandte Chemie</i> , 2019, 131, 15013-15018.	2.0	107
20	A Grapheneâ€Supported Singleâ€Atom FeN₅ Catalytic Site for Efficient Electrochemical CO₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14871-14876.	13.8	410
21	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