

Lixue Xia

List of Publications by Year in descending order

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17
papers

1,009
citations

623574

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940416

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citing authors

#	ARTICLE	IF	CITATIONS
1	A 3D Nitrogen-Doped Graphene/TiN Nanowires Composite as a Strong Polysulfide Anchor for Lithium-Sulfur Batteries with Enhanced Rate Performance and High Areal Capacity. <i>Advanced Materials</i> , 2018, 30, e1804089.	11.1	251
2	Reversely trapping atoms from a perovskite surface for high-performance and durable fuel cell cathodes. <i>Nature Catalysis</i> , 2022, 5, 300-310.	16.1	175
3	Density Functional Theory for Electrocatalysis. <i>Energy and Environmental Materials</i> , 2022, 5, 157-185.	7.3	95
4	Anchoring Sub-Nanometer Pt Clusters on Crumpled Paper-Like MXene Enables High Hydrogen Evolution Mass Activity. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	86
5	MXene Surface Terminations Enable Strong Metal-Support Interactions for Efficient Methanol Oxidation on Palladium. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2400-2406.	4.0	77
6	Lattice-Confined Ir Clusters on Pd Nanosheets with Charge Redistribution for the Hydrogen Oxidation Reaction under Alkaline Conditions. <i>Advanced Materials</i> , 2021, 33, e2105400.	11.1	76
7	Nano-Ferric Oxide Embedded in Graphene Oxide: High-performance Electrocatalyst for Nitrogen Reduction at Ambient Condition. <i>Energy and Environmental Materials</i> , 2021, 4, 88-94.	7.3	44
8	Three-Dimensional Porous Nitrogen-Doped Carbon Nanosheet with Embedded Ni ₃ Co ₃ S ₄ Nanocrystals for Advanced Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9181-9189.	4.0	36
9	Extrapolation of high-order correlation energies: the WMS model. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27375-27384.	1.3	34
10	Accurate Binding Energies for Lithium Polysulfides and Assessment of Density Functionals for Lithium-Sulfur Battery Research. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20737-20747.	1.5	34
11	Atomic-Level Modulation of the Interface Chemistry of Platinum-Nickel Oxide toward Enhanced Hydrogen Electrocatalysis Kinetics. <i>Nano Letters</i> , 2021, 21, 4845-4852.	4.5	31
12	Novel graphitic carbon nitride g-C ₉ N ₁₀ as a promising platform to design efficient photocatalysts for dinitrogen reduction to ammonia: the first-principles investigation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20615-20625.	5.2	21
13	Activating Inert Sites in Cobalt Silicate Hydroxides for Oxygen Evolution through Atomically Doping. <i>Energy and Environmental Materials</i> , 2022, 5, 655-661.	7.3	21
14	Electric field and photoelectrical effect bi-enhanced hydrogen evolution reaction. <i>Nano Research</i> , 2018, 11, 3205-3212.	5.8	17
15	Novel Two-Dimensional Metal-Based ĩ-d Conjugated Nanosheets as Photocatalyst for Nitrogen Reduction Reaction: The First-Principle Investigation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 5384-5394.	4.0	10
16	Multistep Reaction Pathway for CO ₂ Reduction on Hydride-Capped Si Nanosheets. <i>ChemCatChem</i> , 2020, 12, 722-725.	1.8	1
17	First-principles investigations on the synergistic effect of N-dopant and lattice-strain for CO ₂ reduction to CO on graphene. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26535.	1.0	0