Lixue Xia

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/481480/publications.pdf

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17 papers	1,009 citations	623734 14 h-index	940533 16 g-index
17 all docs	17 docs citations	17 times ranked	1212 citing authors

#	Article	IF	Citations
1	A 3D Nitrogenâ€Doped Graphene/TiN Nanowires Composite as a Strong Polysulfide Anchor for Lithiumâ€“Sulfur Batteries with Enhanced Rate Performance and High Areal Capacity. Advanced Materials, 2018, 30, e1804089.	21.0	251
2	Reversely trapping atoms from a perovskite surface for high-performance and durable fuel cell cathodes. Nature Catalysis, 2022, 5, 300-310.	34.4	175
3	Density Functional Theory for Electrocatalysis. Energy and Environmental Materials, 2022, 5, 157-185.	12.8	95
4	Anchoring Subâ€Nanometer Pt Clusters on Crumpled Paperâ€Like MXene Enables High Hydrogen Evolution Mass Activity. Advanced Functional Materials, 2022, 32, .	14.9	86
5	MXene Surface Terminations Enable Strong Metalâ€“Support Interactions for Efficient Methanol Oxidation on Palladium. ACS Applied Materials & Interfaces, 2020, 12, 2400-2406.	8.0	77
6	Latticeâ€Confined Ir Clusters on Pd Nanosheets with Charge Redistribution for the Hydrogen Oxidation Reaction under Alkaline Conditions. Advanced Materials, 2021, 33, e2105400.	21.0	76
7	Nanoâ€Ferric Oxide Embedded in Graphene Oxide: Highâ€performance Electrocatalyst for Nitrogen Reduction at Ambient Condition. Energy and Environmental Materials, 2021, 4, 88-94.	12.8	44
8	Three-Dimensional Porous Nitrogen-Doped Carbon Nanosheet with Embedded Ni_xCo_{3â€“x}S₄ Nanocrystals for Advanced Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2020, 12, 9181-9189.	8.0	36
9	Extrapolation of high-order correlation energies: the WMS model. Physical Chemistry Chemical Physics, 2018, 20, 27375-27384.	2.8	34
10	Accurate Binding Energies for Lithium Polysulfides and Assessment of Density Functionals for Lithiumâ€“Sulfur Battery Research. Journal of Physical Chemistry C, 2019, 123, 20737-20747.	3.1	34
11	Atomic-Level Modulation of the Interface Chemistry of Platinumâ€“Nickel Oxide toward Enhanced Hydrogen Electrocatalysis Kinetics. Nano Letters, 2021, 21, 4845-4852.	9.1	31
12	Novel graphitic carbon nitride g-C₉N₁₀ as a promising platform to design efficient photocatalysts for dinitrogen reduction to ammonia: the first-principles investigation. Journal of Materials Chemistry A, 2021, 9, 20615-20625.	10.3	21
13	Activating Inert Sites in Cobalt Silicate Hydroxides for Oxygen Evolution through Atomically Doping. Energy and Environmental Materials, 2022, 5, 655-661.	12.8	21
14	Electric field and photoelectrical effect bi-enhanced hydrogen evolution reaction. Nano Research, 2018, 11, 3205-3212.	10.4	17
15	Novel Two-Dimensional Metal-Based Ï€-d Conjugated Nanosheets as Photocatalyst for Nitrogen Reduction Reaction: The First-Principle Investigation. ACS Applied Materials & Interfaces, 2022, 14, 5384-5394.	8.0	10
16	Multistep Reaction Pathway for CO 2 Reduction on Hydrideâ€Capped Si Nanosheets. ChemCatChem, 2020, 12, 722-725.	3.7	1
17	Firstâ€principles investigations on the synergistic effect of Nâ€dopant and latticeâ€strain for CO 2 reduction to CO on graphene. International Journal of Quantum Chemistry, 2021, 121, e26535.	2.0	0