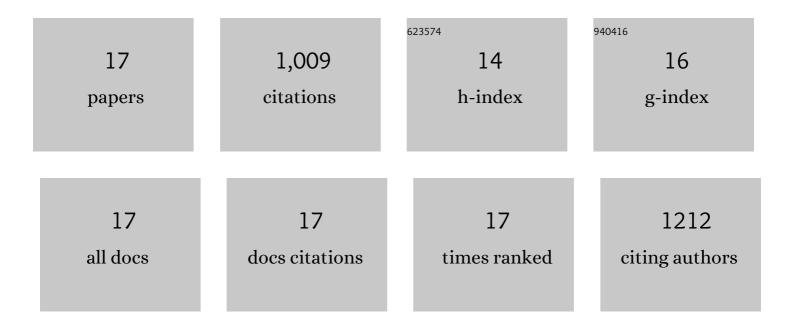
## Lixue Xia

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/481480/publications.pdf Version: 2024-02-01



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