

# Zhihua Cheng

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/11527408/zhihua-cheng-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28

papers

1,991

citations

19

h-index

28

g-index

28

ext. papers

2,416

ext. citations

12.8

avg, IF

5.11

L-index

#	Paper	IF	Citations
28	Atomically Thin Mesoporous Nanomesh of Graphitic C <sub>3</sub> N <sub>4</sub> for High-Efficiency Photocatalytic Hydrogen Evolution. <i>ACS Nano</i> , <b>2016</b> , 10, 2745-51	16.7	701
27	High Rate Production of Clean Water Based on the Combined Photo-Electro-Thermal Effect of Graphene Architecture. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706805	24	159
26	High-Density Monolith of N-Doped Holey Graphene for Ultrahigh Volumetric Capacity of Li-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502100	21.8	142
25	Significant Enhancement of Visible-Light-Driven Hydrogen Evolution by Structure Regulation of Carbon Nitrides. <i>ACS Nano</i> , <b>2018</b> , 12, 5221-5227	16.7	134
24	Mesh-on-Mesh Graphitic-C <sub>3</sub> N <sub>4</sub> @Graphene for Highly Efficient Hydrogen Evolution. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1606352	15.6	115
23	Electric power generation via asymmetric moisturizing of graphene oxide for flexible, printable and portable electronics. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 1730-1735	35.4	115
22	Preparation of Monolayer MoS <sub>2</sub> Quantum Dots using Temporally Shaped Femtosecond Laser Ablation of Bulk MoS <sub>2</sub> Targets in Water. <i>Scientific Reports</i> , <b>2017</b> , 7, 11182	4.9	99
21	Self-powered wearable graphene fiber for information expression. <i>Nano Energy</i> , <b>2017</b> , 32, 329-335	17.1	88
20	A Type of 1 nm Molybdenum Carbide Confined within Carbon Nanomesh as Highly Efficient Bifunctional Electrocatalyst. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705967	15.6	58
19	Controllable Synthesis of Nanosized Amorphous MoS <sub>x</sub> Using Temporally Shaped Femtosecond Laser for Highly Efficient Electrochemical Hydrogen Production. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1806229	15.6	33
18	Superelastic, Macroporous Polystyrene-Mediated Graphene Aerogels for Active Pressure Sensing. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 1071-5	4.5	32
17	A Responsive Battery with Controlled Energy Release. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14643-14647	16.4	31
16	Hydrogen Peroxide Generation with 100% Faradaic Efficiency on Metal-Free Carbon Black. <i>ACS Catalysis</i> , <b>2021</b> , 11, 2454-2459	13.1	31
15	Interconnected Molybdenum Carbide-Based Nanoribbons for Highly Efficient and Ultrastable Hydrogen Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 24608-24615	9.5	30
14	Controllable localization of carbon nanotubes on the holey edge of graphene: an efficient oxygen reduction electrocatalyst for Zn-air batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 18240-18247	13	27
13	A 2D free-standing film-inspired electrocatalyst for highly efficient hydrogen production. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 12027-12033	13	23
12	Interactions between Graphene-Based Materials and Water Molecules toward Actuator and Electricity-Generator Applications. <i>Small Methods</i> , <b>2018</b> , 2, 1800108	12.8	23

11	Tip-Enhanced Multipolar Raman Scattering. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 2464-2469	6.4	22
10	All-pH-Tolerant In-Plane Heterostructures for Efficient Hydrogen Evolution Reaction. <i>ACS Nano</i> , <b>2021</b> ,	16.7	19
9	Functional Carbon Nanomesh Clusters. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1701514	15.6	18
8	Tip-Enhanced Raman Nanospectroscopy of Smooth Spherical Gold Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 1795-1801	6.4	18
7	Wall-Mesoporous Graphitic Carbon Nitride Nanotubes for Efficient Photocatalytic Hydrogen Evolution. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 3160-3164	4.5	18
6	Highly crumpled nanocarbons as efficient metal-free electrocatalysts for zinc-air batteries. <i>Nanoscale</i> , <b>2018</b> , 10, 15706-15713	7.7	17
5	A Responsive Battery with Controlled Energy Release. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14863-14867	3.6	15
4	Wood-inspired multi-channel tubular graphene network for high-performance lithium-sulfur batteries. <i>Carbon</i> , <b>2018</b> , 139, 522-530	10.4	13
3	A Cut-Resistant and Highly Restorable Graphene Foam. <i>Small</i> , <b>2018</b> , 14, e1801916	11	7
2	A general synthesis strategy for the multifunctional 3D polypyrrole foam of thin 2D nanosheets. <i>Frontiers of Materials Science</i> , <b>2018</b> , 12, 105-117	2.5	2
1	One-step ultrafast laser induced synthesis of strongly coupled 1T-2H MoS <sub>2</sub> /N-rGO quantum-dot heterostructures for enhanced hydrogen evolution. <i>Chemical Engineering Journal</i> , <b>2022</b> , 445, 136618	14.7	1