

# Zhou Chen

## List of Publications by Year in Descending Order

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

39  
papers

700  
citations

16  
h-index

25  
g-index

44  
ext. papers

1,018  
ext. citations

8.6  
avg, IF

4.3  
L-index

#	Paper	IF	Citations
39	Graphene Oxide Composite Membranes for Water Purification. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 3643-3653	3.6	3
38	Optimization of Nanostructured Copper Sulfide to Achieve Enhanced Enzyme-Mimic Activities for Improving Anti-Infection Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 53659-53670	9.5	3
37	Achieving high current density for electrocatalytic reduction of CO <sub>2</sub> to formate on bismuth-based catalysts. <i>Cell Reports Physical Science</i> , <b>2021</b> , 2, 100353	6.1	15
36	β-Cyclodextrin-assisted fabrication of hierarchically porous carbon sheet with O/N defects for electrical double-layer supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 15046-15058	2.1	0
35	Engineering BiVO <sub>4</sub> @BiS heterojunction by cosharing bismuth atoms toward boosted photocatalytic Cr(VI) reduction. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 406, 124705	12.8	16
34	Unveiling the Synergistic Effect between Graphitic Carbon Nitride and Cu <sub>2</sub> O toward CO Electroreduction to C <sub>2</sub> H <sub>4</sub> . <i>ChemSusChem</i> , <b>2021</b> , 14, 929-937	8.3	12
33	Highly stable graphene oxide composite nanofiltration membrane. <i>Nanoscale</i> , <b>2021</b> , 13, 10061-10066	7.7	5
32	Controllable synthesis of the defect-enriched MoO <sub>3</sub> nanosheets as an effective visible-light photocatalyst for the degradation of organic dyes. <i>Environmental Science: Nano</i> , <b>2021</b> , 8, 2049-2058	7.1	3
31	Binary-dopant promoted lattice oxygen participation in OER on cobaltate electrocatalyst. <i>Chemical Engineering Journal</i> , <b>2021</b> , 417, 129324	14.7	9
30	Large-scale production of 4MoO <sub>3</sub> ·NH <sub>3</sub> ·H <sub>2</sub> O nanosheets through antisolvent crystallization for highly efficient removal of cationic dyes. <i>Separation and Purification Technology</i> , <b>2021</b> , 279, 119784	8.3	
29	CaH <sub>2</sub> -assisted structural engineering of porous defective graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) for enhanced photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 18937-18945	6.7	4
28	Tuning adsorption strength of CO <sub>2</sub> and its intermediates on tin oxide-based electrocatalyst for efficient CO <sub>2</sub> reduction towards carbonaceous products. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 277, 119252	21.8	26
27	Enhancing perovskite electrocatalysis through synergistic functionalization of B-site cation for efficient water splitting. <i>Chemical Engineering Journal</i> , <b>2020</b> , 401, 126082	14.7	16
26	Organic Photochemistry-Assisted Nanoparticle Segregation on Perovskites. <i>Cell Reports Physical Science</i> , <b>2020</b> , 1, 100243	6.1	6
25	Wavy SnO <sub>2</sub> catalyzed simultaneous reinforcement of carbon dioxide adsorption and activation towards electrochemical conversion of CO <sub>2</sub> to HCOOH. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 261, 118243	21.8	55
24	Tuning local carbon active sites saturability of graphitic carbon nitride to boost CO <sub>2</sub> electroreduction towards CH <sub>4</sub> . <i>Nano Energy</i> , <b>2020</b> , 73, 104833	17.1	14
23	Electrochemically Driven Formation of Sponge-Like Porous Silver Nanocubes Toward Efficient CO Electroreduction to CO. <i>ChemSusChem</i> , <b>2020</b> , 13, 2677-2683	8.3	17

22	Enhancing the photocatalytic activity of ZnSn(OH) achieved by gradual sulfur doping tactics. <i>Nanoscale</i> , <b>2019</b> , 11, 9444-9456	7.7	9
21	SrTiO <sub>3</sub> /TiO <sub>2</sub> heterostructure nanowires with enhanced electron-hole separation for efficient photocatalytic activity. <i>Frontiers of Materials Science</i> , <b>2019</b> , 13, 342-351	2.5	4
20	K and halogen binary-doped graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) toward enhanced visible light hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 27704-27712	6.7	21
19	In situ grown cobalt phosphide (CoP) on perovskite nanofibers as an optimized trifunctional electrocatalyst for Zn  air batteries and overall water splitting. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 26607-26617	13	50
18	Self-hybridized coraloid graphitic carbon nitride deriving from deep eutectic solvent as effective visible light photocatalysts. <i>Carbon</i> , <b>2019</b> , 144, 649-658	10.4	19
17	Interface engineering: Surface hydrophilic regulation of LaFeO towards enhanced visible light photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 536, 105-111	9.3	18
16	Simultaneously enhanced photon absorption and charge transport on a distorted graphitic carbon nitride toward visible light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 242, 40-50	21.8	45
15	Fabrication of 3D Porous Hierarchical NiMoS Flowerlike Architectures for Hydrodesulfurization Applications. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 442-454	5.6	18
14	Fabrication of nano-sized SAPO-11 crystals with enhanced dehydration of methanol to dimethyl ether. <i>Catalysis Communications</i> , <b>2018</b> , 103, 1-4	3.2	29
13	Gradual carbon doping of graphitic carbon nitride towards metal-free visible light photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 15310-15319	13	72
12	Engineering Mesoporous NiO with Enriched Electrophilic Ni <sup>3+</sup> and O <sub>2</sub> toward Efficient Oxygen Evolution. <i>Catalysts</i> , <b>2018</b> , 8, 310	4	16
11	Internal defects-oriented dissolution: controllable evolution of hollow ZSM-5 nano-structures. <i>CrystEngComm</i> , <b>2018</b> , 20, 5625-5631	3.3	4
10	Steam engraving optimization of graphitic carbon nitride with enhanced photocatalytic hydrogen evolution. <i>Carbon</i> , <b>2018</b> , 139, 189-194	10.4	16
9	Thermally stable core-shell Ni/nanorod-CeO@SiO catalyst for partial oxidation of methane at high temperatures. <i>Nanoscale</i> , <b>2018</b> , 10, 14031-14038	7.7	22
8	Synthesis of a multi-branched dandelion-like SAPO-11 by an in situ inoculating seed-induced-steam-assisted conversion method (SISAC) as a highly effective hydroisomerization support. <i>RSC Advances</i> , <b>2017</b> , 7, 4656-4666	3.7	12
7	Low-temperature synthesis of hierarchical architectures of SAPO-11 zeolite as a good hydroisomerization support. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 4460-4471	4.3	17
6	Effect of lanthanum promoter on the catalytic performance of levulinic acid hydrogenation over Ru/carbon fiber catalyst. <i>Applied Catalysis A: General</i> , <b>2017</b> , 540, 21-30	5.1	13
5	Template-free synthesis of hierarchical meso-macroporous Al <sub>2</sub> O <sub>3</sub> support: Superior hydrodemetallization performance. <i>Fuel Processing Technology</i> , <b>2017</b> , 168, 65-73	7.2	10

4	Fabricating self-assembled SAPO-5 with tailored mesoporosity and acidity using a single template. <i>CrystEngComm</i> , <b>2017</b> , 19, 5275-5284	3.3	10
3	A NiMoS flower-like structure with self-assembled nanosheets as high-performance hydrodesulfurization catalysts. <i>Nanoscale</i> , <b>2016</b> , 8, 3823-33	7.7	88
2	Selective hydrogenation of paracetamol to acetamidocyclohexanone with silylated SiO <sub>2</sub> supported Pd-based catalysts. <i>RSC Advances</i> , <b>2016</b> , 6, 41572-41579	3.7	2
1	Electro-Reconstruction-Induced Strain Regulation and Synergism of Ag-In-S toward Highly Efficient CO <sub>2</sub> Electrolysis to Formate. <i>Advanced Functional Materials</i> , 2113075	15.6	4