Zhou Chen

List of Publications by Citations

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	A NiMoS flower-like structure with self-assembled nanosheets as high-performance hydrodesulfurization catalysts. *Nanoscale*, **2016**, 8, 3823-33	7.7	88
38	Gradual carbon doping of graphitic carbon nitride towards metal-free visible light photocatalytic hydrogen evolution. *Journal of Materials Chemistry A*, **2018**, 6, 15310-15319	13	72
37	Wavy SnO2 catalyzed simultaneous reinforcement of carbon dioxide adsorption and activation towards electrochemical conversion of CO2 to HCOOH. *Applied Catalysis B: Environmental*, **2020**, 261, 118243	21.8	55
36	In situ grown cobalt phosphide (CoP) on perovskite nanofibers as an optimized trifunctional electrocatalyst for Zn–air batteries and overall water splitting. *Journal of Materials Chemistry A*, **2019**, 7, 26607-26617	13	50
35	Simultaneously enhanced photon absorption and charge transport on a distorted graphitic carbon nitride toward visible light photocatalytic activity. *Applied Catalysis B: Environmental*, **2019**, 242, 40-50	21.8	45
34	Fabrication of nano-sized SAPO-11 crystals with enhanced dehydration of methanol to dimethyl ether. *Catalysis Communications*, **2018**, 103, 1-4	3.2	29
33	Tuning adsorption strength of CO2 and its intermediates on tin oxide-based electrocatalyst for efficient CO2 reduction towards carbonaceous products. *Applied Catalysis B: Environmental*, **2020**, 277, 119252	21.8	26
32	Thermally stable core-shell Ni/nanorod-CeO@SiO catalyst for partial oxidation of methane at high temperatures. *Nanoscale*, **2018**, 10, 14031-14038	7.7	22
31	K and halogen binary-doped graphitic carbon nitride (g-C3N4) toward enhanced visible light hydrogen evolution. *International Journal of Hydrogen Energy*, **2019**, 44, 27704-27712	6.7	21
30	Self-hybridized coralloid graphitic carbon nitride deriving from deep eutectic solvent as effective visible light photocatalysts. *Carbon*, **2019**, 144, 649-658	10.4	19
29	Fabrication of 3D Porous Hierarchical NiMoS Flowerlike Architectures for Hydrodesulfurization Applications. *ACS Applied Nano Materials*, **2018**, 1, 442-454	5.6	18
28	Interface engineering: Surface hydrophilic regulation of LaFeO towards enhanced visible light photocatalytic hydrogen evolution. *Journal of Colloid and Interface Science*, **2019**, 536, 105-111	9.3	18
27	Low-temperature synthesis of hierarchical architectures of SAPO-11 zeolite as a good hydroisomerization support. *Journal of Materials Science*, **2017**, 52, 4460-4471	4.3	17
26	Electrochemically Driven Formation of Sponge-Like Porous Silver Nanocubes Toward Efficient CO Electroreduction to CO. *ChemSusChem*, **2020**, 13, 2677-2683	8.3	17
25	Enhancing perovskite electrocatalysis through synergistic functionalization of B-site cation for efficient water splitting. *Chemical Engineering Journal*, **2020**, 401, 126082	14.7	16
24	Engineering BiVO@BiS heterojunction by cosharing bismuth atoms toward boosted photocatalytic Cr(VI) reduction. *Journal of Hazardous Materials*, **2021**, 406, 124705	12.8	16
23	Engineering Mesoporous NiO with Enriched Electrophilic Ni3+ and O Toward Efficient Oxygen Evolution. *Catalysts*, **2018**, 8, 310	4	16

22	Steam engraving optimization of graphitic carbon nitride with enhanced photocatalytic hydrogen evolution. *Carbon*, **2018**, 139, 189-194	10.4	16
21	Achieving high current density for electrocatalytic reduction of CO2 to formate on bismuth-based catalysts. *Cell Reports Physical Science*, **2021**, 2, 100353	6.1	15
20	Tuning local carbon active sites saturability of graphitic carbon nitride to boost CO2 electroreduction towards CH4. *Nano Energy*, **2020**, 73, 104833	17.1	14
19	Effect of lanthanum promoter on the catalytic performance of levulinic acid hydrogenation over Ru/carbon fiber catalyst. *Applied Catalysis A: General*, **2017**, 540, 21-30	5.1	13
18	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. *RSC Advances*, **2017**, 7, 4656-4666	3.7	12
17	Unveiling the Synergistic Effect between Graphitic Carbon Nitride and Cu O toward CO Electroreduction to C H. *ChemSusChem*, **2021**, 14, 929-937	8.3	12
16	Template-free synthesis of hierarchical meso-macroporous □Al2O3 support: Superior hydrodemetallization performance. *Fuel Processing Technology*, **2017**, 168, 65-73	7.2	10
15	Fabricating self-assembled SAPO-5 with tailored mesoporosity and acidity using a single template. *CrystEngComm*, **2017**, 19, 5275-5284	3.3	10
14	Enhancing the photocatalytic activity of ZnSn(OH) achieved by gradual sulfur doping tactics. *Nanoscale*, **2019**, 11, 9444-9456	7.7	9
13	Binary-dopant promoted lattice oxygen participation in OER on cobaltate electrocatalyst. *Chemical Engineering Journal*, **2021**, 417, 129324	14.7	9
12	Organic Photochemistry-Assisted Nanoparticle Segregation on Perovskites. *Cell Reports Physical Science*, **2020**, 1, 100243	6.1	6
11	Highly stable graphene oxide composite nanofiltration membrane. *Nanoscale*, **2021**, 13, 10061-10066	7.7	5
10	CaH2-assisted structural engineering of porous defective graphitic carbon nitride (g-C3N4) for enhanced photocatalytic hydrogen evolution. *International Journal of Hydrogen Energy*, **2020**, 45, 18937-18945	6.7	4
9	SrTiO3/TiO2 heterostructure nanowires with enhanced electron-hole separation for efficient photocatalytic activity. *Frontiers of Materials Science*, **2019**, 13, 342-351	2.5	4
8	Internal defects-oriented dissolution: controllable evolution of hollow ZSM-5 nano-structures. *CrystEngComm*, **2018**, 20, 5625-5631	3.3	4
7	Electro-Reconstruction-Induced Strain Regulation and Synergism of Ag-In-S toward Highly Efficient CO 2 Electrolysis to Formate. *Advanced Functional Materials*,2113075	15.6	4
6	Optimization of Nanostructured Copper Sulfide to Achieve Enhanced Enzyme-Mimic Activities for Improving Anti-Infection Performance. *ACS Applied Materials & Interfaces*, **2021**, 13, 53659-53670	9.5	3
5	Controllable synthesis of the defect-enriched MoO3□ nanosheets as an effective visible-light photocatalyst for the degradation of organic dyes. *Environmental Science: Nano*, **2021**, 8, 2049-2058	7.1	3

4	Selective hydrogenation of paracetamol to acetamidocyclohexanone with silylated SiO2 supported Pd-based catalysts. *RSC Advances*, **2016**, 6, 41572-41579	3.7	2
3	Cyclodextrin-assisted fabrication of hierarchically porous carbon sheet with O/N defects for electrical double-layer supercapacitor. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 15046-15058	2.1	0
2	Graphene Oxide Composite Membranes for Water Purification. *ACS Applied Nano Materials*, **2022**, 5, 3643-3653	5.3	0
1	Large-scale production of 4MoO32NH3H2O nanosheets through antisolvent crystallization for highly efficient removal of cationic dyes. *Separation and Purification Technology*, **2021**, 279, 119784	8.3	