

Zhou Chen

List of Publications by Year in descending order

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44
papers

1,374
citations

304368

22
h-index

344852

36
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44
all docs

44
docs citations

44
times ranked

1727
citing authors

#	ARTICLE	IF	CITATIONS
1	A NiMoS flower-like structure with self-assembled nanosheets as high-performance hydrodesulfurization catalysts. <i>Nanoscale</i> , 2016, 8, 3823-3833.	2.8	127
2	Gradual carbon doping of graphitic carbon nitride towards metal-free visible light photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15310-15319.	5.2	108
3	Wavy SnO ₂ catalyzed simultaneous reinforcement of carbon dioxide adsorption and activation towards electrochemical conversion of CO ₂ to HCOOH. <i>Applied Catalysis B: Environmental</i> , 2020, 261, 118243.	10.8	97
4	<i>In situ</i> 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> , 2019, 7, 26607-26617.	5.2	92
5	Simultaneously enhanced photon absorption and charge transport on a distorted graphitic carbon nitride toward visible light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 40-50.	10.8	74
6	Engineering BiVO ₄ @Bi ₂ S ₃ heterojunction by cosharing bismuth atoms toward boosted photocatalytic Cr(VI) reduction. <i>Journal of Hazardous Materials</i> , 2021, 406, 124705.	6.5	60
7	Binary-dopant promoted lattice oxygen participation in OER on cobaltate electrocatalyst. <i>Chemical Engineering Journal</i> , 2021, 417, 129324.	6.6	51
8	Tuning adsorption strength of CO ₂ and its intermediates on tin oxide-based electrocatalyst for efficient CO ₂ reduction towards carbonaceous products. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119252.	10.8	50
9	Achieving high current density for electrocatalytic reduction of CO ₂ to formate on bismuth-based catalysts. <i>Cell Reports Physical Science</i> , 2021, 2, 100353.	2.8	46
10	K and halogen binary-doped graphitic carbon nitride (g-C ₃ N ₄) toward enhanced visible light hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 27704-27712.	3.8	44
11	Electroreconstruction-induced Strain Regulation and Synergism of Ag toward Highly Efficient CO ₂ Electrolysis to Formate. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	41
12	Fabrication of nano-sized SAPO-11 crystals with enhanced dehydration of methanol to dimethyl ether. <i>Catalysis Communications</i> , 2018, 103, 1-4.	1.6	40
13	Unveiling the Synergistic Effect between Graphitic Carbon Nitride and Cu ₂ O toward CO ₂ Electroreduction to C ₂ H ₄ . <i>ChemSusChem</i> , 2021, 14, 929-937.	3.6	40
14	Enhancing perovskite electrocatalysis through synergistic functionalization of B-site cation for efficient water splitting. <i>Chemical Engineering Journal</i> , 2020, 401, 126082.	6.6	39
15	Tuning local carbon active sites saturability of graphitic carbon nitride to boost CO ₂ electroreduction towards CH ₄ . <i>Nano Energy</i> , 2020, 73, 104833.	8.2	35
16	Thermally stable core-shell Ni/nanorod-CeO ₂ @SiO ₂ catalyst for partial oxidation of methane at high temperatures. <i>Nanoscale</i> , 2018, 10, 14031-14038.	2.8	31
17	Electrochemically Driven Formation of Sponge-Like Porous Silver Nanocubes Toward Efficient CO ₂ Electroreduction to %CO. <i>ChemSusChem</i> , 2020, 13, 2677-2683.	3.6	30
18	Fabrication of 3D Porous Hierarchical NiMoS Flowerlike Architectures for Hydrodesulfurization Applications. <i>ACS Applied Nano Materials</i> , 2018, 1, 442-454.	2.4	29

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19	Self-hybridized coraloid graphitic carbon nitride deriving from deep eutectic solvent as effective visible light photocatalysts. <i>Carbon</i> , 2019, 144, 649-658.	5.4	29
20	Graphene Oxide Composite Membranes for Water Purification. <i>ACS Applied Nano Materials</i> , 2022, 5, 3643-3653.	2.4	27
21	Engineering Mesoporous NiO with Enriched Electrophilic Ni ³⁺ and O ²⁻ toward Efficient Oxygen Evolution. <i>Catalysts</i> , 2018, 8, 310.	1.6	25
22	Interface engineering: Surface hydrophilic regulation of LaFeO ₃ towards enhanced visible light photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 105-111.	5.0	24
23	Effect of lanthanum promoter on the catalytic performance of levulinic acid hydrogenation over Ru/carbon fiber catalyst. <i>Applied Catalysis A: General</i> , 2017, 540, 21-30.	2.2	22
24	3D Flower-Like Zinc Cobaltite for Electrocatalytic Reduction of Nitrate to Ammonia under Ambient Conditions. <i>ChemSusChem</i> , 2022, 15, .	3.6	21
25	Steam engraving optimization of graphitic carbon nitride with enhanced photocatalytic hydrogen evolution. <i>Carbon</i> , 2018, 139, 189-194.	5.4	20
26	Highly stable graphene oxide composite nanofiltration membrane. <i>Nanoscale</i> , 2021, 13, 10061-10066.	2.8	20
27	Low-temperature synthesis of hierarchical architectures of SAPO-11 zeolite as a good hydroisomerization support. <i>Journal of Materials Science</i> , 2017, 52, 4460-4471.	1.7	19
28	Enhancing the photocatalytic activity of ZnSn(OH) ₆ achieved by gradual sulfur doping tactics. <i>Nanoscale</i> , 2019, 11, 9444-9456.	2.8	19
29	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> , 2017, 7, 4656-4666.	1.7	15
30	Template-free synthesis of hierarchical meso-macroporous γ -Al ₂ O ₃ support: Superior hydrodemetallization performance. <i>Fuel Processing Technology</i> , 2017, 168, 65-73.	3.7	13
31	Fabricating self-assembled SAPO-5 with tailored mesoporosity and acidity using a single template. <i>CrystEngComm</i> , 2017, 19, 5275-5284.	1.3	12
32	CaH ₂ -assisted structural engineering of porous defective graphitic carbon nitride (g-C ₃ N ₄) for enhanced photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 18937-18945.	3.8	12
33	Organic Photochemistry-Assisted Nanoparticle Segregation on Perovskites. <i>Cell Reports Physical Science</i> , 2020, 1, 100243.	2.8	11
34	Optimization of Nanostructured Copper Sulfide to Achieve Enhanced Enzyme-Mimic Activities for Improving Anti-Infection Performance. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 53659-53670.	4.0	11
35	Controllable synthesis of the defect-enriched MoO _{3-x} nanosheets as an effective visible-light photocatalyst for the degradation of organic dyes. <i>Environmental Science: Nano</i> , 2021, 8, 2049-2058.	2.2	9
36	SrTiO ₃ /TiO ₂ heterostructure nanowires with enhanced electron-hole separation for efficient photocatalytic activity. <i>Frontiers of Materials Science</i> , 2019, 13, 342-351.	1.1	7

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37	Internal defects-oriented dissolution: controllable evolution of hollow ZSM-5 nano-structures. CrystEngComm, 2018, 20, 5625-5631.	1.3	5
38	Unraveling the Interfacial Polarization Effect between Pd and Polymeric Carbon Nitride toward Efficient CO ₂ Electroreduction to CO. ACS Applied Materials & Interfaces, 2022, 14, 12314-12322.	4.0	5
39	Photocatalytic Oxidative Coupling of Benzylamine to Schiff Base over OD/2D CdS/CdIn ₂ S ₄ Heterojunction. Energy Technology, 2022, 10, .	1.8	5
40	Selective hydrogenation of paracetamol to acetamidocyclohexanone with silylated SiO ₂ supported Pd-based catalysts. RSC Advances, 2016, 6, 41572-41579.	1.7	4
41	Î²-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.	1.1	3
42	Regulating Pd/Al ₂ O ₃ catalyst by g-C ₃ N ₄ toward the enhanced selectivity of isoprene hydrogenation. Catalysis Science and Technology, 2021, 11, 5180-5190.	2.1	2
43	Large-scale production of 4MoO ₃ ·2NH ₃ ·H ₂ O nanosheets through antisolvent crystallization for highly efficient removal of cationic dyes. Separation and Purification Technology, 2021, 279, 119784.	3.9	0
44	SnO ₂ Catalyzed Simultaneous Reinforcement of Carbon Dioxide Adsorption and Activation Towards Electrochemical Conversion of CO ₂ to HCOOH. ECS Meeting Abstracts, 2020, MA2020-01, 1747-1747.	0.0	0