

Dahong Chen

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71
papers

4,129
citations

28
h-index

64
g-index

74
ext. papers

5,316
ext. citations

9.3
avg, IF

6.09
L-index

#	Paper	IF	Citations
71	Defect Engineering Metal-Free Polymeric Carbon Nitride Electrocatalyst for Effective Nitrogen Fixation under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10246-10250	16.4	456
70	An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6073-6076	16.4	443
69	Dopant-induced electron localization drives CO reduction to C hydrocarbons. <i>Nature Chemistry</i> , 2018 , 10, 974-980	17.6	435
68	Template-Based Engineering of Carbon-Doped Co ₃ O ₄ Hollow Nanofibers as Anode Materials for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 1428-1436	15.6	342
67	Z-scheme mesoporous photocatalyst constructed by modification of Sn ₃ O ₄ nanoclusters on g-C ₃ N ₄ nanosheets with improved photocatalytic performance and mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 284-293	21.8	254
66	Template-Induced High-Crystalline g-C ₃ N ₄ Nanosheets for Enhanced Photocatalytic H ₂ Evolution. <i>ACS Energy Letters</i> , 2018 , 3, 514-519	20.1	169
65	Metal-organic framework derived Ni/NiO micro-particles with subtle lattice distortions for high-performance electrocatalyst and supercapacitor. <i>Applied Catalysis B: Environmental</i> , 2019 , 244, 732-739	21.8	146
64	Tailoring the d-Band Centers Endows (Ni _x Fe _{1-x}) ₂ P Nanosheets with Efficient Oxygen Evolution Catalysis. <i>ACS Catalysis</i> , 2020 , 10, 9086-9097	13.1	140
63	Two-Dimensional Holey CoO Nanosheets for High-Rate Alkali-Ion Batteries: From Rational Synthesis to in Situ Probing. <i>Nano Letters</i> , 2017 , 17, 3907-3913	11.5	134
62	Insight into the Activity and Stability of Rh _x P Nano-Species Supported on g-C ₃ N ₄ for Photocatalytic H ₂ Production. <i>ACS Catalysis</i> , 2020 , 10, 458-462	13.1	113
61	An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions. <i>Angewandte Chemie</i> , 2018 , 130, 6181-6184	3.6	107
60	Defect Engineering Metal-Free Polymeric Carbon Nitride Electrocatalyst for Effective Nitrogen Fixation under Ambient Conditions. <i>Angewandte Chemie</i> , 2018 , 130, 10403-10407	3.6	86
59	Bimetal-organic framework assisted polymerization of pyrrole involving air oxidant to prepare composite electrodes for portable energy storage. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23744-23752	13	85
58	A bismuth rich hollow Bi ₄ O ₅ Br ₂ photocatalyst enables dramatic CO ₂ reduction activity. <i>Nano Energy</i> , 2019 , 64, 103955	17.1	81
57	High-efficiency Fe-Mediated Bi ₂ MoO ₆ nitrogen-fixing photocatalyst: Reduced surface work function and ameliorated surface reaction. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117781	21.8	73
56	Oxygen-Induced Bi-Self-Doped BiVO ₄ with a p-n Homojunction Toward Promoting the Photocatalytic Performance. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23748-23755	9.5	65
55	Doping effect of non-metal group in porous ultrathin g-CN nanosheets towards synergistically improved photocatalytic hydrogen evolution. <i>Nanoscale</i> , 2018 , 10, 5239-5245	7.7	64

54	Molecular adsorption promotes carrier migration: Key step for molecular oxygen activation of defective Bi ₄ O ₅ I ₂ . <i>Applied Catalysis B: Environmental</i> , 2018 , 226, 53-60	21.8	60
53	Integrating both homojunction and heterojunction in QDs self-decorated Bi ₂ MoO ₆ /BCN composites to achieve an efficient photocatalyst for Cr(VI) reduction. <i>Chemical Engineering Journal</i> , 2018 , 334, 334-343	14.7	57
52	Construction of porous nanoscale NiO/NiCo ₂ O ₄ heterostructure for highly enhanced electrocatalytic oxygen evolution activity. <i>Journal of Catalysis</i> , 2019 , 379, 1-9	7.3	49
51	Oxygen Vacancy Engineering of Bi O Cl for Boosted Photocatalytic CO Conversion. <i>ChemSusChem</i> , 2019 , 12, 2740-2747	8.3	48
50	Mimicking Backdonation in Ce-MOFs for Solar-Driven Ammonia Synthesis. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 29917-29923	9.5	41
49	In-situ synthesis of Z-scheme Ag ₂ CO ₃ /Ag/AgNCO heterojunction photocatalyst with enhanced stability and photocatalytic activity. <i>Applied Surface Science</i> , 2019 , 464, 108-114	6.7	40
48	Significantly Improving Lithium-Ion Transport via Conjugated Anion Intercalation in Inorganic Layered Hosts. <i>ACS Nano</i> , 2018 , 12, 8670-8677	16.7	36
47	Anchoring Active Pt /Pt Hybrid Nanodots on g-C ₃ N Nitrogen Vacancies for Photocatalytic H ₂ Evolution. <i>ChemSusChem</i> , 2019 , 12, 2029-2034	8.3	35
46	Engineering Mesoporous Single Crystals Co-Doped FeO for High-Performance Lithium Ion Batteries. <i>Inorganic Chemistry</i> , 2017 , 56, 7642-7649	5.1	35
45	Enabling Nitrogen Fixation on Bi ₂ WO ₆ Photocatalyst by c-PAN Surface Decoration. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 11190-11195	8.3	32
44	Cyano group modified g-C ₃ N ₄ : Molten salt method achievement and promoted photocatalytic nitrogen fixation activity. <i>Applied Surface Science</i> , 2020 , 515, 146009	6.7	30
43	Amorphous engineered cerium oxides photocatalyst for efficient nitrogen fixation. <i>Applied Catalysis B: Environmental</i> , 2020 , 264, 118416	21.8	28
42	Formation of Porous Cu-Doped CoSe ₂ Connected by Nanoparticles for Efficient Lithium Storage. <i>ChemElectroChem</i> , 2017 , 4, 2158-2163	4.3	25
41	Realizing the regulated carrier separation and exciton generation of Bi ₂₄ O ₃₁ Cl ₁₀ via a carbon doping strategy. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24350-24357	13	25
40	NiO Quantum Dot Modified TiO ₂ toward Robust Hydrogen Production Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 889-896	8.3	24
39	Graphite Nanoplates Firmly Anchored with Well-dispersed Porous Zn ₃ V ₂ O ₈ Nanospheres: Rational Fabrication and Enhanced Lithium Storage Capability. <i>Electrochimica Acta</i> , 2017 , 248, 140-149	6.7	24
38	MOF-derived NiO/Ni architecture encapsulated into N-doped carbon nanotubes for advanced asymmetric supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1553-1560	6.8	23
37	A novel anode comprised of C&N co-doped Co ₃ O ₄ hollow nanofibres with excellent performance for lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 19531-5	3.6	23

36	Cu doped SnS ₂ nanostructure induced sulfur vacancy towards boosted photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2021 , 407, 127180	14.7	23
35	Dual Tuning of Composition and Nanostructure of Hierarchical Hollow Nanopolyhedra Assembled by NiCo-Layered Double Hydroxide Nanosheets for Efficient Electrocatalytic Oxygen Evolution. <i>ACS Applied Energy Materials</i> , 2019 , 2, 312-319	6.1	21
34	Dual role of nickel foam in NiCoAl-LDH ensuring high-performance for asymmetric supercapacitors. <i>New Journal of Chemistry</i> , 2019 , 43, 3139-3145	3.6	19
33	Ag ₂ S-Modified ZnIn ₂ S ₄ Nanosheets for Photocatalytic H ₂ Generation. <i>ACS Applied Nano Materials</i> , 2020 , 3, 11017-11024	5.6	17
32	Metal-organic framework-induced formation of core-shell ZnCo ₂ O ₄ spheres composed by nanoparticles with enhanced lithium storage properties. <i>New Journal of Chemistry</i> , 2017 , 41, 6973-6976	3.6	16
31	Formation of an oriented Bi ₂ WO ₆ photocatalyst induced by in situ Bi reduction and its use for efficient nitrogen fixation. <i>Catalysis Science and Technology</i> , 2019 , 9, 5562-5566	5.5	16
30	Design and fabrication of Co ₃ V ₂ O ₈ nanotubes by electrospinning as a high-performance anode for lithium-ion batteries. <i>New Journal of Chemistry</i> , 2017 , 41, 5974-5980	3.6	14
29	NixFe _{1-x} nanoparticle self-modified nanosheets as efficient bifunctional electrocatalysts for water splitting: experiments and theories. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 7360-7367	13	13
28	Vertically Co-oriented Mn-Metal-Organic Framework Grown on 2D Cation-Intercalated Manganese Oxide via a Self-sacrificing Template Process for a High-Performance Asymmetric Supercapacitor. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 3191-3199	8.3	13
27	A 1D Honeycomb-Like Amorphous Zinc Vanadate for Stable and Fast Sodium-Ion Storage. <i>Small</i> , 2020 , 16, e1906214	11	13
26	Non-integer induced spontaneous polarization of highly efficient perovskite-based NBTO/SCN photocatalysts. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22984-22987	13	12
25	Single-Atom Fe Triggers Superb CO ₂ Photoreduction on a Bismuth-Rich Catalyst 2021 , 3, 364-371		12
24	Construction of 2D-composite HCa ₂ Nb ₃ O ₁₀ /CaNb ₂ O ₆ heterostructured photocatalysts with enhanced hydrogen production performance. <i>New Journal of Chemistry</i> , 2018 , 42, 681-687	3.6	12
23	Metal-organic framework derived amorphous VO coated FeO/C hierarchical nanospindle as anode material for superior lithium-ion batteries. <i>Nanoscale</i> , 2020 , 12, 16901-16909	7.7	11
22	Reduced Lithium/Nickel Disorder Degree of Sodium-Doped Lithium-Rich Layered Oxides for Cathode Materials: Experiments and Calculations. <i>ChemElectroChem</i> , 2020 , 7, 246-251	4.3	10
21	Shockley Partial Dislocation-Induced Self-Rectified 1D Hydrogen Evolution Photocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20521-20527	9.5	9
20	Electric field effect in a Co ₃ O ₄ /TiO ₂ p-n junction for superior lithium-ion storage. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 909-915	7.8	9
19	Freestanding nano-photoelectrode as a highly efficient and visible-light-driven photocatalyst for water-splitting. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10651-10657	13	8

18	Novel formation of Bi@BiFe-glycolate hollow spheres and their conversion into Bi ₂ O ₃ /BiFeO ₃ composite hollow spheres with enhanced activity and durability in visible photocatalysis. <i>New Journal of Chemistry</i> , 2018 , 42, 10697-10703	3.6	7
17	Electrospinning technique synthesis and electrical performances of one dimensional Ca ₂ Co ₂ O ₅ with hierarchical structure. <i>Materials Letters</i> , 2015 , 158, 182-185	3.3	6
16	Engineering Reductive Iron on a Layered Double Hydroxide Electrocatalyst for Facilitating Nitrogen Reduction Reaction. <i>Advanced Materials Interfaces</i> , 2102242	4.6	5
15	Limbic Inducted and Delocalized Effects of Diazole in Carbon Nitride Skeleton for Propelling Photocatalytic Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 56273-56284	9.5	5
14	Construction of Ag decorated 2D rGO/SnS ₂ nanostructure towards synergistically enabling overall water splitting. <i>Chemical Engineering Journal</i> , 2021 , 433, 133198	14.7	4
13	Fabrication and study of the synergistic effect of Janus Ni ₂ P/Ni ₅ P ₄ embedded in N-doped carbon as efficient electrocatalysts for hydrogen evolution reaction. <i>Catalysis Science and Technology</i> , 2020 , 10, 1023-1029	5.5	4
12	g-C ₃ N ₄ /SnS ₂ van der Waals Heterostructures Enabling High-Efficiency Photocatalytic Hydrogen Evolution. <i>Advanced Materials Interfaces</i> , 2200153	4.6	4
11	Intramolecular π -conjugated channel expansion achieved by doping cross-linked dopants into carbon nitride frameworks for propelling photocatalytic hydrogen evolution and mechanism insight. <i>Inorganic Chemistry Frontiers</i> ,	6.8	3
10	High-performance reversible aqueous Zinc-Ion battery based on Zn pre-intercalation alpha-manganese dioxide nanowires/carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , 2021 ,	9.3	2
9	Template-free synthesis of Na _{0.5} Bi _{2.5} Ta ₂ O ₉ /Bi ₄ Ta _{0.8} Cl nano-heterostructures via a one-pot molten salt reaction for efficient photocatalysis. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2936-2942	7.1	2
8	Biocoordination Polymer Cross-Linking Structure to a 3D Star Topology Inorganic Photocatalyst Nanocrystal with Improved Hydrogen Evolution Performance. <i>Inorganic Chemistry</i> , 2018 , 57, 13067-13070	5.1	2
7	Hierarchical MnVO double-layer hollow sandwich nanosheets confined by N-doped carbon layer as anode for high performance lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022 , 607, 538-545	9.3	2
6	Ultrathin Porous Hexagonal Zn ₃ V ₃ O ₈ /ZnO@N-C Nanoplates Synthesized via a Temperature-Controlled Phase Separation Method as High-Performance Anode Material for Lithium-Ion Batteries. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100837	4.6	1
5	Enhancing Co/CoVO Li-ion battery anode performances via 2D-2D heterostructure engineering. <i>Nanoscale</i> , 2021 , 13, 13065-13071	7.7	1
4	Sn and Na Co-doping to Suppress Voltage Decay of Li-rich Layered Oxide. <i>ChemElectroChem</i> , 2021 , 8, 2315-2320	4.3	0
3	Effect of anisotropic conductivity of AgS-modified Zn InS (= 1, 5) on the photocatalytic properties in solar hydrogen evolution.. <i>RSC Advances</i> , 2021 , 11, 26908-26914	3.7	0
2	Reply to the Comment on Novel formation of Bi@BiFe-glycolate hollow spheres and their conversion into Bi ₂ O ₃ /BiFeO ₃ composite hollow spheres with enhanced activity and durability in visible photocatalysis by C. Huang, H. Zhang, X. Zhang, Z. Wang and Y. Zhao, New J. Chem., 2019, 43, DOI: 10.1039/C8NJ05831H. <i>New Journal of Chemistry</i> , 2019 , 43, 9292-9293	3.6	
1	Rücktitelbild: An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions (Angew. Chem. 21/2018). <i>Angewandte Chemie</i> , 2018 , 130, 6462-6462	3.6	

