

# Dahong Chen

## List of Publications by Year in descending order

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72  
papers

6,492  
citations

109264

35  
h-index

85498

71  
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74  
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74  
docs citations

74  
times ranked

7785  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dopant-induced electron localization drives CO <sub>2</sub> reduction to C <sub>2</sub> hydrocarbons. Nature Chemistry, 2018, 10, 974-980.	6.6	781
2	Defect Engineering Metal-Free Polymeric Carbon Nitride Electrocatalyst for Effective Nitrogen Fixation under Ambient Conditions. Angewandte Chemie - International Edition, 2018, 57, 10246-10250.	7.2	619
3	An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions. Angewandte Chemie - International Edition, 2018, 57, 6073-6076.	7.2	568
4	Tailoring the d-Band Centers Endows (Ni <sub>x</sub> Fe <sub>1-x</sub> ) <sub>2</sub> P Nanosheets with Efficient Oxygen Evolution Catalysis. ACS Catalysis, 2020, 10, 9086-9097.	5.5	417
5	Template-Based Engineering of Carbon-Doped Co <sub>3</sub> O <sub>4</sub> Hollow Nanofibers as Anode Materials for Lithium-Ion Batteries. Advanced Functional Materials, 2016, 26, 1428-1436.	7.8	404
6	Z-scheme mesoporous photocatalyst constructed by modification of Sn <sub>3</sub> O <sub>4</sub> nanoclusters on g-C <sub>3</sub> N <sub>4</sub> nanosheets with improved photocatalytic performance and mechanism insight. Applied Catalysis B: Environmental, 2018, 238, 284-293.	10.8	336
7	Template-Induced High-Crystalline g-C <sub>3</sub> N <sub>4</sub> Nanosheets for Enhanced Photocatalytic H <sub>2</sub> Evolution. ACS Energy Letters, 2018, 3, 514-519.	8.8	259
8	Metal-organic framework derived Ni/NiO micro-particles with subtle lattice distortions for high-performance electrocatalyst and supercapacitor. Applied Catalysis B: Environmental, 2019, 244, 732-739.	10.8	204
9	High-efficiency Fe-Mediated Bi <sub>2</sub> MoO <sub>6</sub> nitrogen-fixing photocatalyst: Reduced surface work function and ameliorated surface reaction. Applied Catalysis B: Environmental, 2019, 256, 117781.	10.8	161
10	Two-Dimensional Holey Co <sub>3</sub> O <sub>4</sub> Nanosheets for High-Rate Alkali-Ion Batteries: From Rational Synthesis to in Situ Probing. Nano Letters, 2017, 17, 3907-3913.	4.5	158
11	A bismuth rich hollow Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> photocatalyst enables dramatic CO <sub>2</sub> reduction activity. Nano Energy, 2019, 64, 103955.	8.2	156
12	Insight into the Activity and Stability of Rh <sub>x</sub> P Nano-Species Supported on g-C <sub>3</sub> N <sub>4</sub> for Photocatalytic H <sub>2</sub> Production. ACS Catalysis, 2020, 10, 458-462.	5.5	154
13	An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions. Angewandte Chemie, 2018, 130, 6181-6184.	1.6	149
14	Defect Engineering Metal-Free Polymeric Carbon Nitride Electrocatalyst for Effective Nitrogen Fixation under Ambient Conditions. Angewandte Chemie, 2018, 130, 10403-10407.	1.6	139
15	Bimetal-organic framework assisted polymerization of pyrrole involving air oxidant to prepare composite electrodes for portable energy storage. Journal of Materials Chemistry A, 2017, 5, 23744-23752.	5.2	119
16	Molecular adsorption promotes carrier migration: Key step for molecular oxygen activation of defective Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> . Applied Catalysis B: Environmental, 2018, 226, 53-60.	10.8	94
17	Oxygen Vacancy Engineering of Bi <sub>24</sub> O <sub>31</sub> Cl <sub>10</sub> for Boosted Photocatalytic CO <sub>2</sub> Conversion. ChemSusChem, 2019, 12, 2740-2747.	3.6	92
18	Oxygen-Induced Bi <sup>5+</sup> -Self-Doped Bi <sub>4</sub> V <sub>2</sub> O <sub>11</sub> with a p-n Homojunction Toward Promoting the Photocatalytic Performance. ACS Applied Materials & Interfaces, 2017, 9, 23748-23755.	4.0	88

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19	Doping effect of non-metal group in porous ultrathin g-C <sub>3</sub> N <sub>4</sub> nanosheets towards synergistically improved photocatalytic hydrogen evolution. <i>Nanoscale</i> , 2018, 10, 5239-5245.	2.8	86
20	Cu doped SnS <sub>2</sub> nanostructure induced sulfur vacancy towards boosted photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2021, 407, 127180.	6.6	86
21	Construction of porous nanoscale NiO/NiCo <sub>2</sub> O <sub>4</sub> heterostructure for highly enhanced electrocatalytic oxygen evolution activity. <i>Journal of Catalysis</i> , 2019, 379, 1-9.	3.1	75
22	Mimicking $\pi$ -Backdonation in Ce-MOFs for Solar-Driven Ammonia Synthesis. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 29917-29923.	4.0	70
23	Integrating both homojunction and heterojunction in QDs self-decorated Bi <sub>2</sub> MoO <sub>6</sub> /BCN composites to achieve an efficient photocatalyst for Cr(VI) reduction. <i>Chemical Engineering Journal</i> , 2018, 334, 334-343.	6.6	66
24	Cyano group modified g-C <sub>3</sub> N <sub>4</sub> : Molten salt method achievement and promoted photocatalytic nitrogen fixation activity. <i>Applied Surface Science</i> , 2020, 515, 146009.	3.1	63
25	Significantly Improving Lithium-Ion Transport via Conjugated Anion Intercalation in Inorganic Layered Hosts. <i>ACS Nano</i> , 2018, 12, 8670-8677.	7.3	54
26	Anchoring Active Pt <sup>2+</sup> /Pt <sup>0</sup> Hybrid Nanodots on g-C <sub>3</sub> N <sub>4</sub> Nitrogen Vacancies for Photocatalytic H <sub>2</sub> Evolution. <i>ChemSusChem</i> , 2019, 12, 2029-2034.	3.6	54
27	Single-Atom Fe Triggers Superb CO <sub>2</sub> Photoreduction on a Bismuth-Rich Catalyst. , 2021, 3, 364-371.		54
28	MOF-derived NiO/Ni architecture encapsulated into N-doped carbon nanotubes for advanced asymmetric supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1553-1560.	3.0	52
29	In-situ synthesis of Z-scheme Ag <sub>2</sub> CO <sub>3</sub> /Ag/AgNCO heterojunction photocatalyst with enhanced stability and photocatalytic activity. <i>Applied Surface Science</i> , 2019, 464, 108-114.	3.1	52
30	Engineering Mesoporous Single Crystals Co-Doped Fe <sub>2</sub> O <sub>3</sub> for High-Performance Lithium Ion Batteries. <i>Inorganic Chemistry</i> , 2017, 56, 7642-7649.	1.9	50
31	Amorphous engineered cerium oxides photocatalyst for efficient nitrogen fixation. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118416.	10.8	48
32	Dual role of nickel foam in NiCoAl-LDH ensuring high-performance for asymmetric supercapacitors. <i>New Journal of Chemistry</i> , 2019, 43, 3139-3145.	1.4	45
33	Enabling Nitrogen Fixation on Bi <sub>2</sub> WO <sub>6</sub> Photocatalyst by c-PAN Surface Decoration. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11190-11195.	3.2	42
34	Realizing the regulated carrier separation and exciton generation of Bi <sub>24</sub> O <sub>31</sub> Cl <sub>10</sub> via a carbon doping strategy. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24350-24357.	5.2	39
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.	2.5	39
36	Ag <sub>2</sub> S-Modified ZnIn <sub>2</sub> S <sub>4</sub> Nanosheets for Photocatalytic H <sub>2</sub> Generation. <i>ACS Applied Nano Materials</i> , 2020, 3, 11017-11024.	2.4	38

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37	Graphite Nanoplates Firmly Anchored with Well-dispersed Porous Zn <sub>3</sub> V <sub>2</sub> O <sub>8</sub> Nanospheres: Rational Fabrication and Enhanced Lithium Storage Capability. <i>Electrochimica Acta</i> , 2017, 248, 140-149.	2.6	34
38	NiO Quantum Dot Modified TiO <sub>2</sub> toward Robust Hydrogen Production Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 889-896.	3.2	34
39	Metal-organic framework derived amorphous VO <sub>x</sub> coated Fe <sub>3</sub> O <sub>4</sub> /C hierarchical nanospindle as anode material for superior lithium-ion batteries. <i>Nanoscale</i> , 2020, 12, 16901-16909.	2.8	31
40	Formation of Porous Cu-Doped CoSe <sub>2</sub> Connected by Nanoparticles for Efficient Lithium Storage. <i>ChemElectroChem</i> , 2017, 4, 2158-2163.	1.7	29
41	Formation of an oriented Bi <sub>2</sub> WO <sub>6</sub> photocatalyst induced by <i>in situ</i> Bi reduction and its use for efficient nitrogen fixation. <i>Catalysis Science and Technology</i> , 2019, 9, 5562-5566.	2.1	29
42	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.	3.2	29
43	Limbic Inducted and Delocalized Effects of Diazole in Carbon Nitride Skeleton for Propelling Photocatalytic Hydrogen Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 56273-56284.	4.0	29
44	Ni <sub>x</sub> Fe <sub>1-x</sub> B 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.	5.2	28
45	A 1D Honeycomb-Like Amorphous Zinc Vanadate for Stable and Fast Sodium-Ion Storage. <i>Small</i> , 2020, 16, e1906214.	5.2	27
46	A novel anode comprised of C&N co-doped Co <sub>3</sub> O <sub>4</sub> hollow nanofibres with excellent performance for lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19531-19535.	1.3	25
47	Design and fabrication of Co <sub>3</sub> V <sub>2</sub> O <sub>8</sub> nanotubes by electrospinning as a high-performance anode for lithium-ion batteries. <i>New Journal of Chemistry</i> , 2017, 41, 5974-5980.	1.4	22
48	Engineering Reductive Iron on a Layered Double Hydroxide Electrocatalyst for Facilitating Nitrogen Reduction Reaction. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	19
49	Construction of 2D-composite HCa <sub>2</sub> Nb <sub>3</sub> O <sub>10</sub> /CaNb <sub>2</sub> O <sub>6</sub> heterostructured photocatalysts with enhanced hydrogen production performance. <i>New Journal of Chemistry</i> , 2018, 42, 681-687.	1.4	18
50	Electric field effect in a Co <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> p-n junction for superior lithium-ion storage. <i>Materials Chemistry Frontiers</i> , 2019, 3, 909-915.	3.2	18
51	Metal-organic framework-induced formation of core-shell ZnCo <sub>2</sub> O <sub>4</sub> spheres composed by nanoparticles with enhanced lithium storage properties. <i>New Journal of Chemistry</i> , 2017, 41, 6973-6976.	1.4	17
52	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.	1.7	17
53	High-performance reversible aqueous Zinc-Ion battery based on Zn <sup>2+</sup> pre-intercalation alpha-manganese dioxide nanowires/carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 557-565.	5.0	16
54	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.	5.2	15

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55	Shockley Partial Dislocation-Induced Self-Rectified 1D Hydrogen Evolution Photocatalyst. ACS Applied Materials & Interfaces, 2019, 11, 20521-20527.	4.0	15
56	Intramolecular $\pi$ -conjugated channel expansion achieved by doping cross-linked dopants into carbon nitride frameworks for propelling photocatalytic hydrogen evolution and mechanism insight. Inorganic Chemistry Frontiers, 2021, 9, 60-69.	3.0	15
57	Non-integer induced spontaneous polarization of highly efficient perovskite-based NBTO SCN photocatalysts. Journal of Materials Chemistry A, 2017, 5, 22984-22987.	5.2	14
58	Fabrication and study of the synergistic effect of Janus Ni <sub>2</sub> P/Ni <sub>5</sub> P <sub>4</sub> embedded in N-doped carbon as efficient electrocatalysts for hydrogen evolution reaction. Catalysis Science and Technology, 2020, 10, 1023-1029.	2.1	13
59	Novel formation of Bi@BiFe-glycolate hollow spheres and their conversion into Bi <sub>2</sub> O <sub>3</sub> /BiFeO <sub>3</sub> composite hollow spheres with enhanced activity and durability in visible photocatalysis. New Journal of Chemistry, 2018, 42, 10697-10703.	1.4	12
60	gâ€C<sub>3</sub>N<sub>4</sub>/SnS<sub>2</sub> van der Waals Heterostructures Enabling Highâ€Efficiency Photocatalytic Hydrogen Evolution. Advanced Materials Interfaces, 2022, 9, .	1.9	10
61	Electrospinning technique synthesis and electrical performances of one dimensional Ca <sub>2</sub> Co <sub>2</sub> O <sub>5</sub> with hierarchical structure. Materials Letters, 2015, 158, 182-185.	1.3	8
62	Enhancing Co/Co<sub>2</sub>VO<sub>4</sub> Li-ion battery anode performances <i>via</i> 2Dâ€2D heterostructure engineering. Nanoscale, 2021, 13, 13065-13071.	2.8	8
63	Hierarchical MnV <sub>2</sub> O <sub>4</sub> double-layer hollow sandwich nanosheets confined by N-doped carbon layer as anode for high performance lithium-ion batteries. Journal of Colloid and Interface Science, 2022, 607, 538-545.	5.0	8
64	Nitrogen-doped biomass carbon fibers with surface encapsulated Co nanoparticles for electrocatalytic overall water-splitting. Chemical Communications, 2022, 58, 1772-1775.	2.2	8
65	Construction of Ag decorated 2D rGO/SnS <sub>2</sub> nanostructure towards synergistically enabling overall water splitting. Chemical Engineering Journal, 2021, 433, 133198.	6.6	5
66	Template-free synthesis of Na<sub>0.5</sub>Bi<sub>2.5</sub>Ta<sub>2</sub>O<sub>9</sub>/Bi<sub>4</sub>TaO<sub>8</sub>Cl nano-heterostructures <i>via</i> a one-pot molten salt reaction for efficient photocatalysis. Journal of Materials Chemistry C, 2019, 7, 2936-2942.	2.7	4
67	Effect of anisotropic conductivity of Ag<sub>2</sub>S-modified Zn<sub>m</sub>/In<sub>2</sub>S<sub>3+m</sub> (<i>m</i> = 1, 5) on the photocatalytic properties in solar hydrogen evolution. RSC Advances, 2021, 11, 26908-26914.	1.7	4
68	Sn and Na Coâ€doping to Suppress Voltage Decay of Liâ€Rich Layered Oxide. ChemElectroChem, 2021, 8, 2315-2320.	1.7	4
69	Biocoordination Polymer Cross-Linking Structure to a 3D Star Topology Inorganic Photocatalyst Nanocrystal with Improved Hydrogen Evolution Performance. Inorganic Chemistry, 2018, 57, 13067-13070.	1.9	3
70	Ultrathin Porous Hexagonal Zn <sub>3</sub> V <sub>3</sub> O <sub>8</sub> /ZnO@Nâ€ Nanoplates Synthesized via a Temperatureâ€Controlled Phase Separation Method as Highâ€Performance Anode Material for Lithiumâ€Ion Batteries. Advanced Materials Interfaces, 2021, 8, 2100837.	1.9	1
71	RÅ¼ctitelbild: An Amorphous Nobleâ€Metalâ€Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions (Angew. Chem. 21/2018). Angewandte Chemie, 2018, 130, 6462-6462.	1.6	0
72	Reply to the â€Comment on â€Novel formation of Bi@BiFe-glycolate hollow spheres and their conversion into Bi <sub>2</sub> O <sub>3</sub> /BiFeO <sub>3</sub> composite hollow spheres with enhanced activity and durability in visible photocatalysisâ€™ by C. Huang, H. Zhang, X. Zhang, Z. Wang and Y. Zhao, New J. Chem., 2019, 43, DOI: 10.1039/C8NJ05831H. New Journal of Chemistry, 2019, 43, 9292-9293.	1.4	0