

# Jiantai

## List of Publications by Year in descending order

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44  
papers

1,524  
citations

236612

25  
h-index

315357

38  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2240  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pd-doped Ni nanoparticle-modified N-doped carbon nanocatalyst with high Pd atom utilization for the transfer hydrogenation of nitroarenes. <i>Green Chemistry</i> , 2018, 20, 1121-1130.	4.6	92
2	Covalent functionalization of black phosphorus nanoflakes by carbon free radicals for durable air and water stability. <i>Nanoscale</i> , 2018, 10, 5834-5839.	2.8	90
3	Facile regrowth of Mg-Fe <sub>2</sub> O <sub>3</sub> /P-Fe <sub>2</sub> O <sub>3</sub> homojunction photoelectrode for efficient solar water oxidation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13412-13418.	5.2	80
4	Construction of an efficient hole migration pathway on hematite for efficient photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23478-23485.	5.2	73
5	Ultrafine CoPS nanoparticles encapsulated in N, P, and S tri-doped porous carbon as an efficient bifunctional water splitting electrocatalyst in both acid and alkaline solutions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10433-10440.	5.2	72
6	NiO Nanoparticles Anchored on Phosphorus-Doped Fe <sub>2</sub> O <sub>3</sub> Nanoarrays: An Efficient Hole Extraction p-n Heterojunction Photoanode for Water Oxidation. <i>ChemSusChem</i> , 2018, 11, 2156-2164.	3.6	69
7	Metal-Free C <sub>3</sub> N <sub>4</sub> with plentiful nitrogen vacancy and increased specific surface area for electrocatalytic nitrogen reduction. <i>Journal of Energy Chemistry</i> , 2021, 60, 546-555.	7.1	66
8	Shape-controlled synthesis of Pd polyhedron supported on polyethyleneimine-reduced graphene oxide for enhancing the efficiency of hydrogen evolution reaction. <i>Journal of Power Sources</i> , 2016, 302, 343-351.	4.0	59
9	In situ growth of ultrathin Ni-Fe LDH nanosheets for high performance oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1173-1181.	3.0	57
10	Palladium Nanoparticles Anchored on Three-Dimensional Nitrogen-Doped Carbon Nanotubes as a Robust Electrocatalyst for Ethanol Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7918-7923.	3.2	50
11	N,Cu-Codoped Carbon Nanosheet/Au/CuBi <sub>2</sub> O <sub>4</sub> Photocathodes for Efficient Photoelectrochemical Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7257-7264.	3.2	48
12	Crystal lattice distortion in ultrathin Co(OH) <sub>2</sub> nanosheets inducing elongated Co-O-OH bonds for highly efficient oxygen evolution reaction. <i>Green Chemistry</i> , 2017, 19, 5809-5817.	4.6	43
13	Heterojunction and Oxygen Vacancy Modification of ZnO Nanorod Array Photoanode for Enhanced Photoelectrochemical Water Splitting. <i>ChemSusChem</i> , 2018, 11, 4094-4101.	3.6	42
14	Two-Step Synthesis of Cobalt Iron Alloy Nanoparticles Embedded in Nitrogen-Doped Carbon Nanosheets/Carbon Nanotubes for the Oxygen Evolution Reaction. <i>ChemSusChem</i> , 2018, 11, 2358-2366.	3.6	41
15	Optimization of iron-doped Ni <sub>3</sub> S <sub>2</sub> nanosheets by disorder engineering for oxygen evolution reaction. <i>Nanoscale</i> , 2019, 11, 2355-2365.	2.8	41
16	Achieving High Activity and Selectivity of Nitrogen Reduction via Fe-N <sub>3</sub> Coordination on Iron Single-Atom Electrocatalysts at Ambient Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12809-12816.	3.2	41
17	Palladium nanoparticles anchored on NCNTs@NGS with a three-dimensional sandwich-stacked framework as an advanced electrocatalyst for ethanol oxidation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14717-14724.	5.2	40
18	Layered Double Hydroxide onto Perovskite Oxide-Decorated ZnO Nanorods for Modulation of Carrier Transfer Behavior in Photoelectrochemical Water Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 2452-2459.	4.0	40

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19	Activating a hematite nanorod photoanode <i>via</i> fluorine-doping and surface fluorination for enhanced oxygen evolution reaction. <i>Nanoscale</i> , 2020, 12, 3259-3266.	2.8	40
20	In Situ Synthesis of MoS <sub>2</sub> on C <sub>3</sub> N <sub>4</sub> To Form MoS <sub>2</sub> /C <sub>3</sub> N <sub>4</sub> with Interfacial Mo-N Coordination for Electrocatalytic Reduction of N <sub>2</sub> to NH <sub>3</sub> . <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8814-8822.	3.2	40
21	Strongly Coupled Interface Structure in CoFe/Co <sub>3</sub> O <sub>4</sub> Nanohybrids as Efficient Oxygen Evolution Reaction Catalysts. <i>ChemSusChem</i> , 2019, 12, 4442-4451.	3.6	32
22	Palladium Nanoparticles with Surface Enrichment of Palladium Oxide Species Immobilized on the Aniline-Functionalized Graphene As an Advanced Electrocatalyst of Ethanol Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14621-14628.	3.2	31
23	A oxygen vacancy-modulated homojunction structural CuBi <sub>2</sub> O <sub>4</sub> photocathodes for efficient solar water reduction. <i>Nanoscale</i> , 2020, 12, 15193-15200.	2.8	29
24	Zr(OH) <sub>4</sub> -Catalyzed Controllable Selective Oxidation of Anilines to Azoxybenzenes, Azobenzenes and Nitrosobenzenes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	29
25	Amorphous CoFe Double Hydroxides Decorated with N-Doped CNTs for Efficient Electrochemical Oxygen Evolution. <i>ChemSusChem</i> , 2019, 12, 2679-2688.	3.6	26
26	Unsaturated Mo in Mo <sub>4</sub> O <sub>4</sub> N <sub>3</sub> for efficient catalytic transfer hydrogenation of nitrobenzene using stoichiometric hydrazine hydrate. <i>Green Chemistry</i> , 2021, 23, 8545-8553.	4.6	24
27	Unraveling the Cooperative Synergy of Palladium/Tin Oxide/Aniline-Functionalized Carbon Nanotubes Enabled by Layer-by-Layer Synthetic Strategy for Ethanol Electrooxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10008-10015.	3.2	23
28	A protective roasting strategy for preparation of stable mesoporous hollow CeO <sub>2</sub> microspheres with enhanced catalytic activity for one-pot synthesis of imines from benzyl alcohols and anilines. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 829-836.	3.0	22
29	Interface engineering triggered by carbon nanotube-supported multiple sulfides for boosting oxygen evolution. <i>Nanoscale</i> , 2021, 13, 18763-18772.	2.8	21
30	Ruthenium nanoparticles supported on nitrogen-doped porous carbon as a highly efficient catalyst for hydrogen evolution from ammonia borane. <i>New Journal of Chemistry</i> , 2019, 43, 4377-4384.	1.4	19
31	Cobalt(II) acetylacetonate covalently anchored onto magnetic mesoporous silica nanospheres as a catalyst for epoxidation of olefins. <i>Materials Chemistry and Physics</i> , 2015, 156, 9-15.	2.0	17
32	Tuning effect of amorphous Fe <sub>2</sub> O <sub>3</sub> on Mn <sub>3</sub> O <sub>4</sub> for efficient atom-economic synthesis of imines at low temperature: improving [O] transfer cycle of Mn <sup>3+</sup> /Mn <sup>2+</sup> in Mn <sub>3</sub> O <sub>4</sub> . <i>Catalysis Science and Technology</i> , 2020, 10, 5628-5640.	2.1	17
33	Bifunctional citrate-Ni <sub>0.9</sub> Co <sub>0.1</sub> (OH) <sub>x</sub> layer coated fluorine-doped hematite for simultaneous hole extraction and injection towards efficient photoelectrochemical water oxidation. <i>Nanoscale</i> , 2021, 13, 14197-14206.	2.8	16
34	Interfacial N-Cu-S coordination mode of CuSCN/C <sub>3</sub> N <sub>4</sub> with enhanced electrocatalytic activity for hydrogen evolution. <i>Nanoscale</i> , 2019, 11, 12938-12945.	2.8	13
35	Hydrogen generation from toxic formaldehyde catalyzed by low-cost Pd-Sn alloys driven by visible light. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9616-9628.	5.2	13
36	Preparation of a magnetic mesoporous Fe <sub>3</sub> O <sub>4</sub> -Pd@TiO <sub>2</sub> photocatalyst for the efficient selective reduction of aromatic cyanides. <i>New Journal of Chemistry</i> , 2019, 43, 6294-6302.	1.4	12

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37	Decorating the Cocatalyst Membrane with Coordinated Tannic Acid and Ternary Metal for Advancing Photoelectrochemical Performance of F-Doped Hematite Photoanodes. ACS Sustainable Chemistry and Engineering, 2021, 9, 13047-13055.	3.2	12
38	Catalytically Active Co <sup>x</sup> N <sup>x</sup> Species Stabilized on Nitrogen-Doped Porous Carbon for Efficient Hydrogenation and Dehydrogenation of N-Heteroarenes. ChemCatChem, 2020, 12, 4406-4415.	1.8	10
39	The enhanced water splitting activity of a ZnO-based photoanode by modification with self-doped lanthanum ferrite. Nanoscale, 2021, 13, 11215-11222.	2.8	9
40	Promoting Role of Iron Series Elements Modification on Palladium/Nitrogen Doped Carbon for the Semihydrogenation of Phenylacetylene. ChemCatChem, 2019, 11, 1510-1517.	1.8	8
41	Understanding Oxygen Bubble-Triggered Exfoliation of Graphite Toward the Low-Defect Graphene. Advanced Materials Interfaces, 2021, 8, 2001899.	1.9	5
42	Ce-Doped $\gamma$ -FeOOH as a High-Performance Catalyst for Atom-Economic Synthesis of Imines: Enhanced Oxygen-Activating Capacity and Acidic Property. Industrial & Engineering Chemistry Research, 2021, 60, 18316-18326.	1.8	5
43	Zr(OH) <sub>4</sub> Catalyzed Controllable Selective Oxidation of Anilines to Azoxybenzenes, Azobenzenes and Nitrosobenzenes. Angewandte Chemie, 2022, 134, e202112907.	1.6	4
44	Transpiration: from Chinese cabbage waste to supercapacitors with ultrahigh cycling stability. Materials Chemistry Frontiers, 2019, 3, 2046-2050.	3.2	3