

Bohua Dong

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

1,395

citations

21

h-index

36

g-index

66

ext. papers

1,710

ext. citations

6

avg, IF

4.7

L-index

#	Paper	IF	Citations
63	A novel CoSeO ₃ photocatalyst assisting g-C ₃ N ₄ in enhancing hydrogen evolution through Z scheme mode. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 5999-6010	6.7	2
62	Synthesis of NiS ₂ /polyvinylpyrrolidone/(CuIn) _{0.1} Zn _{1.9} S ₂ type II heterojunction photocatalysts for high-efficiency photocatalytic hydrogen production under visible light. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 9934-9934	6.7	0
61	Boosting the oxygen evolution reaction performance through defect and lattice distortion engineering. <i>New Journal of Chemistry</i> , 2022 , 46, 6424-6432	3.6	0
60	Crystalline/amorphous composite interface induced by NaBH ₄ hydrolysis reaction: a new interfacial electrocatalyst for efficient oxygen evolution reaction. <i>Materials Today Energy</i> , 2022 , 26, 100987	7	2
59	Largely Improved Breakdown Strength and Discharge Efficiency of Layer-Structured Nanocomposites by Filling with a Small Loading Fraction of 2D Zirconium Phosphate Nanosheets. <i>Advanced Materials Interfaces</i> , 2022 , 9, 2101646	4.6	6
58	Mn Fe O Hollow Nanostructures for High-Performance Asymmetric Supercapacitor Applications. <i>Chemistry - A European Journal</i> , 2021 , 27, 9398-9405	4.8	1
57	Amorphous Fe(OH) Passivating CeO Nanorods: A Noble-Metal-Free Photocatalyst for Water Oxidation. <i>ChemSusChem</i> , 2021 , 14, 3382-3390	8.3	3
56	Fe doped amorphous single layered vanadyl phosphate nanosheets as highly efficient electrocatalyst for water oxidation. <i>Journal of Colloid and Interface Science</i> , 2021 , 586, 505-513	9.3	3
55	Constructing a 2D/2D heterojunction of MoSe ₂ /ZnIn ₂ S ₄ nanosheets for enhanced photocatalytic hydrogen evolution. <i>CrystEngComm</i> , 2021 , 23, 2547-2555	3.3	7
54	Greatly enhanced dielectric charge storage capabilities of layered polymer composites incorporated with low loading fractions of ultrathin amorphous iron phosphate nanosheets. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10414-10424	7.1	18
53	An effective photocatalytic hydrogen evolution strategy based on tunable band gap (CuIn) _x Zn _{2(1-x)} S ₂ combined with amorphous molybdenum sulfide. <i>New Journal of Chemistry</i> , 2021 , 45, 7278-7284	3.6	2
52	Atmosphere plasma treatment and Co heteroatoms doping on basal plane of colloidal 2D VSe ₂ nanosheets for enhanced hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 32425-32434 ¹	6.7	1
51	Constructing CuNi dual active sites on ZnIn ₂ S ₄ for highly photocatalytic hydrogen evolution. <i>Catalysis Science and Technology</i> , 2021 , 11, 2753-2761	5.5	13
50	Iron-doped cobalt phosphate 1D amorphous ultrathin nanowires as a highly efficient electrocatalyst for water oxidation. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 4704-4712	5.8	4
49	The triple structure design of 2D amorphous Fe-doped indium phosphate nanosheets as a highly efficient electrocatalyst for water oxidation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18232-18243	13	10
48	Two-Phase Colloidal Synthesis of Amorphous Iron-Doped Manganese Phosphate Hollow Nanospheres for Efficient Water Oxidation. <i>Advanced Sustainable Systems</i> , 2020 , 4, 2000128	5.9	3
47	Well-Monodispersed Iron-Doped InOOH Nanoparticles with Enhanced Activity for Oxygen Evolution. <i>ChemElectroChem</i> , 2020 , 7, 3991-3997	4.3	3

46	Vertical 1T/2H-WS nanoflakes grown on 2D-CN: Multiple charge transfer channels designed for enhanced photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 224-231	9.3	19
45	One-step construction of core/shell nanoarrays with a holey shell and exposed interfaces for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1196-1205	13	33
44	Featherlike NiCoP Holey Nanoarrays for Efficient and Stable Seawater Splitting. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3910-3917	6.1	50
43	Enhanced photocatalytic activity by photo-Fenton reaction: towards TiO ₂ nanotubes sensitized by Fe(III)-tartrate. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 175302	3	
42	Mn _{0.4} In _{1.6} S ₃ Nanoflower Solid Solutions for Visible-Light Photocatalytic Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2019 , 2, 5245-5253	5.6	6
41	Zn Doped FeCo Layered Double Hydroxide Nanoneedle Arrays with Partial Amorphous Phase for Efficient Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 13105-13114	8.3	48
40	Two-dimensional (2D) MnInSe nanosheets with porous structure: a novel photocatalyst for water splitting without sacrificial agents. <i>Chemical Communications</i> , 2019 , 55, 15061-15064	5.8	6
39	Preparation of Ni(OH) ₂ /TiO ₂ porous film with novel structure and electrochromic property. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 191, 108-116	6.4	16
38	Synthesis and characterization of Mn-doped CsPb(Cl/Br) perovskite nanocrystals with controllable dual-color emission. <i>RSC Advances</i> , 2018 , 8, 1940-1947	3.7	25
37	Efficient silver modification of TiO ₂ nanotubes with enhanced photocatalytic activity. <i>Solid State Sciences</i> , 2018 , 80, 116-122	3.4	9
36	Photonic hydrogels for the ultratrace sensing of divalent beryllium in seawater. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4234-4242	7.1	22
35	Construction of layer-by-layer g-C ₃ N ₄ /Ag/Bi ₂ WO ₆ Z-scheme system with enhanced photocatalytic activity. <i>Journal of Materials Science</i> , 2018 , 53, 16010-16021	4.3	17
34	Ultrathin VS ₂ nanoplate with in-plane and out-of-plane defects for an electrochemical supercapacitor with ultrahigh specific capacitance. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14681-14688	13	52
33	Controllable synthesis and luminescent properties of rare earth doped Gd(MoO) ₄ nanoplates. <i>Journal of Colloid and Interface Science</i> , 2017 , 504, 134-139	9.3	7
32	Rapid synthesis of CuInTe ultrathin nanoplates with enhanced photoelectrochemical properties. <i>Chemical Communications</i> , 2017 , 53, 5878-5881	5.8	7
31	Vertical Growth of 2D Amorphous FePO Nanosheet on Ni Foam: Outer and Inner Structural Design for Superior Water Splitting. <i>Advanced Materials</i> , 2017 , 29, 1704574	24	206
30	Preparation and electrochromic performance of NiO/TiO ₂ nanorod composite film. <i>Journal of Alloys and Compounds</i> , 2017 , 728, 878-886	5.7	23
29	Fabrication of intelligent photonic crystal hydrogel sensors for selective detection of trace mercury ions in seawater. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8482-8488	7.1	24

28	Environmentally-friendly synthesis of highly luminescent cesium lead halide perovskite nanocrystals using Sn-based halide precursors. <i>Inorganica Chimica Acta</i> , 2017 , 467, 251-255	2.7	6
27	High photodegradation ability of dyes by Fe(III)-tartrate/TiO ₂ nanotubular photocatalyst supported via photo-Fenton reaction. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 334, 20-25	4.7	15
26	Water-soluble silica-coated ZnS : Mn nanoparticles as fluorescent sensors for the detection of ultratrace copper(II) ions in seawater. <i>Analytical Methods</i> , 2017 , 9, 322-328	3.2	16
25	Colloidal synthesis of VSe ₂ single-layer nanosheets as novel electrocatalysts for the hydrogen evolution reaction. <i>Chemical Communications</i> , 2016 , 52, 9228-31	5.8	108
24	Well-Defined, Nanostructured, Amorphous Metal Phosphate as Electrochemical Pseudocapacitor Materials with High Capacitance. <i>Chemistry of Materials</i> , 2016 , 28, 1355-1362	9.6	65
23	A novel ammonia complex-assisted ion-exchange strategy to fabricate heterostructured PdO/TiO ₂ nanorods with enhanced photocatalytic activities. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	4
22	Organic macromolecule assisted synthesis of ultralong carbon@TiO ₂ nanotubes for high performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2016 , 200, 97-105	6.7	11
21	Preparation of stable superamphiphobic surfaces on X80 pipeline steel substrates. <i>RSC Advances</i> , 2016 , 6, 91669-91678	3.7	10
20	Modification of TiO ₂ nanotubes by WO ₃ species for improving their photocatalytic activity. <i>Applied Surface Science</i> , 2015 , 343, 181-187	6.7	32
19	Towards TiO ₂ nanotubes modified by WO ₃ species: influence of ex situ crystallization of precursor on the photocatalytic activities of WO ₃ /TiO ₂ composites. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 355305	3	9
18	Hierarchical Fe ₃ O ₄ @titanate microspheres with superior removal capability for water treatment: in situ growth and structure tailoring via hydrothermal assisted etching. <i>RSC Advances</i> , 2015 , 5, 73126-73132	3.7	3
17	A three-dimensional graphene-TiO ₂ nanotube nanocomposite with exceptional photocatalytic activity for dye degradation. <i>Applied Surface Science</i> , 2015 , 351, 303-308	6.7	50
16	Synthesis and characterization of Mn doped ZnS d-dots with controllable dual-color emissions. <i>Journal of Colloid and Interface Science</i> , 2012 , 367, 178-82	9.3	31
15	Synthesis and characterisation of ZnS:Cu and ZnS:Cu/CdS core/shell nanocrystals via a water-soluble route. <i>Micro and Nano Letters</i> , 2012 , 7, 604	0.9	1
14	Synthesis and investigation of TiO ₂ nanotube arrays prepared by anodization and their photocatalytic activity. <i>Ceramics International</i> , 2012 , 38, 5791-5797	5.1	57
13	Facile Synthesis of Highly Luminescent Water-Soluble ZnSe:Mn/ZnS Core/Shell Doped Nanocrystals with Pure Dopant Emission. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 12258-12264	3.8	36
12	Synthesis, structural and optical properties of water-soluble Mn-doped CdS nanocrystals. <i>Micro and Nano Letters</i> , 2011 , 6, 257	0.9	1
11	Photoluminescence properties of ZnS/CdS/ZnS quantum dot/quantum wells doped with Ag ⁺ ions. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 5157-5161	2.3	3

10	Effect of post heat treatment on microstructure and photocatalytic activities of TiO ₂ nanoribbons. <i>Applied Surface Science</i> , 2011 , 257, 7932-7937	6.7	7
9	Water-soluble ZnS:Mn/ZnS core/shell nanoparticles prepared by a novel two-step method. <i>Journal of Alloys and Compounds</i> , 2010 , 492, 363-367	5.7	34
8	Facile synthesis of highly luminescent UV-blue emitting ZnSe/ZnS core/shell quantum dots by a two-step method. <i>Chemical Communications</i> , 2010 , 46, 7331-3	5.8	58
7	Shell thickness dependence of luminescence intensity in core/shell ZnS:Mn/ZnS nanoparticles. <i>Materials Chemistry and Physics</i> , 2009 , 115, 795-798	4.4	22
6	Synthesis and luminescence properties of ZnS:Mn/ZnS core/shell nanorod structures. <i>Journal of Materials Science</i> , 2009 , 44, 2792-2795	4.3	10
5	Synthesis and Luminescence Properties of Core/Shell ZnS:Mn/ZnO Nanoparticles. <i>Nanoscale Research Letters</i> , 2009 , 4, 78-83	5	66
4	Synthesis and characterization of the water-soluble silica-coated ZnS:Mn nanoparticles as fluorescent sensor for Cu(2+) ions. <i>Journal of Colloid and Interface Science</i> , 2009 , 339, 78-82	9.3	73
3	Effect of ultraviolet irradiation on luminescence properties of undoped ZnS and ZnS:Ag nanoparticles. <i>Journal of Applied Physics</i> , 2009 , 106, 093506	2.5	9
2	Coupling porous Ni doped LaFeO ₃ nanoparticles with amorphous FeOOH nanosheets yields an interfacial electrocatalyst for electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> ,	13	8
1	Amorphous Doping Promotes Utilization of Fe-Doped Amorphous Zr(HPO ₄) ₂ for Superb Water Oxidation Electrocatalysis. <i>Advanced Materials Interfaces</i> , 2200387	4.6	