

Bohua Dong

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Vertical Growth of 2D Amorphous FePO ₄ Nanosheet on Ni Foam: Outer and Inner Structural Design for Superior Water Splitting. <i>Advanced Materials</i> , 2017, 29, 1704574.	11.1	278
2	Colloidal synthesis of VSe ₂ single-layer nanosheets as novel electrocatalysts for the hydrogen evolution reaction. <i>Chemical Communications</i> , 2016, 52, 9228-9231.	2.2	131
3	Featherlike NiCoP Holey Nanoarrays for Efficient and Stable Seawater Splitting. <i>ACS Applied Energy Materials</i> , 2019, 2, 3910-3917.	2.5	102
4	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.	5.2	85
5	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.	3.2	85
6	Well-Defined, Nanostructured, Amorphous Metal Phosphate as Electrochemical Pseudocapacitor Materials with High Capacitance. <i>Chemistry of Materials</i> , 2016, 28, 1355-1362.	3.2	82
7	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.	5.0	77
8	Synthesis and Luminescence Properties of Core/Shell ZnS:Mn/ZnO Nanoparticles. <i>Nanoscale Research Letters</i> , 2009, 4, 78-83.	3.1	74
9	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.	2.2	66
10	Synthesis and investigation of TiO ₂ nanotube arrays prepared by anodization and their photocatalytic activity. <i>Ceramics International</i> , 2012, 38, 5791-5797.	2.3	65
11	A three-dimensional graphene-TiO ₂ nanotube nanocomposite with exceptional photocatalytic activity for dye degradation. <i>Applied Surface Science</i> , 2015, 351, 303-308.	3.1	56
12	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.	2.7	52
13	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.	5.2	42
14	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.	2.8	37
15	Modification of TiO ₂ nanotubes by WO ₃ species for improving their photocatalytic activity. <i>Applied Surface Science</i> , 2015, 343, 181-187.	3.1	37
16	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.	2.7	37
17	Photonic hydrogels for the ultratrace sensing of divalent beryllium in seawater. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4234-4242.	2.7	37
18	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.	1.5	36

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19	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.	2.1	36
20	Synthesis and characterization of Mn doped ZnS d-dots with controllable dual-color emissions. <i>Journal of Colloid and Interface Science</i> , 2012, 367, 178-182.	5.0	35
21	Preparation and electrochromic performance of NiO/TiO ₂ nanorod composite film. <i>Journal of Alloys and Compounds</i> , 2017, 728, 878-886.	2.8	34
22	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, .	1.9	32
23	Synthesis and characterization of Mn-doped CsPb(Cl/Br) ₃ perovskite nanocrystals with controllable dual-color emission. <i>RSC Advances</i> , 2018, 8, 1940-1947.	1.7	30
24	Vertical 1T/2H-WS ₂ nanoflakes grown on 2D-C ₃ N ₄ : Multiple charge transfer channels designed for enhanced photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 224-231.	5.0	29
25	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> , 2021, 9, 23545-23554.	5.2	26
26	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.	1.7	25
27	Shell thickness dependence of luminescence intensity in core/shell ZnS:Mn/ZnS nanoparticles. <i>Materials Chemistry and Physics</i> , 2009, 115, 795-798.	2.0	24
28	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.	3.0	24
29	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.	1.3	19
30	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.	2.0	18
31	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.	1.3	18
32	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.	5.2	18
33	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.	2.5	16
34	Efficient silver modification of TiO ₂ nanotubes with enhanced photocatalytic activity. <i>Solid State Sciences</i> , 2018, 80, 116-122.	1.5	15
35	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.	2.5	15
36	Effect of ultraviolet irradiation on luminescence properties of undoped ZnS and ZnS:Ag nanoparticles. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	12

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37	Organic macromolecule assisted synthesis of ultralong carbon@TiO ₂ nanotubes for high performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 200, 97-105.	2.6	12
38	Two-dimensional (2D) MnIn ₂ Se ₄ nanosheets with porous structure: a novel photocatalyst for water splitting without sacrificial agents. <i>Chemical Communications</i> , 2019, 55, 15061-15064.	2.2	12
39	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.	3.8	12
40	Synthesis and luminescence properties of ZnS:Mn/ZnS core/shell nanorod structures. <i>Journal of Materials Science</i> , 2009, 44, 2792-2795.	1.7	11
41	Preparation of stable superamphiphobic surfaces on X80 pipeline steel substrates. <i>RSC Advances</i> , 2016, 6, 91669-91678.	1.7	11
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.	2.4	11
43	Amorphous Fe(OH) ₃ Passivating CeO ₂ Nanorods: A Noble Metal-Free Photocatalyst for Water Oxidation. <i>ChemSusChem</i> , 2021, 14, 3382-3390.	3.6	10
44	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.	3.8	10
45	Synthesis of NiS ₂ /polyvinylpyrrolidone/(CuIn) _{0.2} Zn _{1.6} S ₂ type II heterojunction photocatalysts for high-efficiency photocatalytic hydrogen production under visible light. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 9934-9945.	3.8	10
46	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.	1.3	9
47	Controllable synthesis and luminescent properties of rare earth doped Gd ₂ (MoO ₄) ₃ nanoplates. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 134-139.	5.0	9
48	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.	1.2	8
49	Two-Phase Colloidal Synthesis of Amorphous Iron-Doped Manganese Phosphate Hollow Nanospheres for Efficient Water Oxidation. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000128.	2.7	8
50	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.	5.0	8
51	Effect of post heat treatment on microstructure and photocatalytic activities of TiO ₂ nanoribbons. <i>Applied Surface Science</i> , 2011, 257, 7932-7937.	3.1	7
52	Rapid synthesis of CuInTe ₂ ultrathin nanoplates with enhanced photoelectrochemical properties. <i>Chemical Communications</i> , 2017, 53, 5878-5881.	2.2	7
53	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.	0.8	6
54	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.	1.4	6

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55	Manganese Cadmium Sulfide Nanoparticles Solid Solution on Cobalt Acid Nickel Nanoflakes: A Robust Photocatalyst for Hydrogen Evolution. <i>ChemSusChem</i> , 2022, 15, .	3.6	6
56	Wellâ€Monodispersed Ironâ€Doped InOOH Nanoparticles with Enhanced Activity for Oxygen Evolution. <i>ChemElectroChem</i> , 2020, 7, 3991-3997.	1.7	5
57	Hierarchical Fe₃O₄@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.	1.7	4
58	Photoluminescence properties of ZnS/CdS/ZnS quantum dotâ€quantum wells doped with Ag+ ions. <i>Journal of Nanoparticle Research</i> , 2011, 13, 5157-5161.	0.8	3
59	Mn 3âˆ™ x Fe x O 4 Hollow Nanostructures for Highâ€Performance Asymmetric Supercapacitor Applications. <i>Chemistry - A European Journal</i> , 2021, 27, 9398-9405.	1.7	3
60	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.	0.6	2
61	Enhanced photocatalytic activity by photo-Fenton reaction: towards TiO₂ nanotubes sensitized by Fe(III)-tartrate. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 175302.	1.3	2
62	Two-Phase Synthesis of Fe Doped Cerium Phosphate Ultra-fine Nanocrystals for Efficient Oxygen Evolution. <i>New Journal of Chemistry</i> , 0, , .	1.4	2
63	Boosting the oxygen evolution reaction performance through defect and lattice distortion engineering. <i>New Journal of Chemistry</i> , 2022, 46, 6424-6432.	1.4	2
64	Synthesis, structural and optical properties of water-soluble Mn-doped CdS nanocrystals. <i>Micro and Nano Letters</i> , 2011, 6, 257.	0.6	1
65	Synthesis and Photoluminescent Properties of Core/Shell Structure ZnSâˆ™Cu/ZnS Quantum Dots. <i>Chinese Journal of Luminescence</i> , 2012, 33, 736-741.	0.2	1
66	Amorphous Doping Promotes Utilization of Feâ€Doped Amorphous Zr(HPO ₄) ₂ for Superb Water Oxidation Electrocatalysis. <i>Advanced Materials Interfaces</i> , 0, , 2200387.	1.9	1