Bohua Dong

List of Publications by Citations

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	Vertical Growth of 2D Amorphous FePO Nanosheet on Ni Foam: Outer and Inner Structural Design for Superior Water Splitting. *Advanced Materials*, **2017**, 29, 1704574	24	206
62	Colloidal synthesis of VSe2 single-layer nanosheets as novel electrocatalysts for the hydrogen evolution reaction. *Chemical Communications*, **2016**, 52, 9228-31	5.8	108
61	Synthesis and characterization of the water-soluble silica-coated ZnS:Mn nanoparticles as fluorescent sensor for Cu(2+) ions. *Journal of Colloid and Interface Science*, **2009**, 339, 78-82	9.3	73
60	Synthesis and Luminescence Properties of Core/Shell ZnS:Mn/ZnO Nanoparticles. *Nanoscale Research Letters*, **2009**, 4, 78-83	5	66
59	Well-Defined, Nanostructured, Amorphous Metal Phosphate as Electrochemical Pseudocapacitor Materials with High Capacitance. *Chemistry of Materials*, **2016**, 28, 1355-1362	9.6	65
58	Facile synthesis of highly luminescent UV-blue emitting ZnSe/ZnS core/shell quantum dots by a two-step method. *Chemical Communications*, **2010**, 46, 7331-3	5.8	58
57	Synthesis and investigation of TiO2 nanotube arrays prepared by anodization and their photocatalytic activity. *Ceramics International*, **2012**, 38, 5791-5797	5.1	57
56	Ultrathin VS2 nanoplate with in-plane and out-of-plane defects for an electrochemical supercapacitor with ultrahigh specific capacitance. *Journal of Materials Chemistry A*, **2018**, 6, 14681-14688	13	52
55	Featherlike NiCoP Holey Nanoarrys for Efficient and Stable Seawater Splitting. *ACS Applied Energy Materials*, **2019**, 2, 3910-3917	6.1	50
54	A three-dimensional graphene-TiO2 nanotube nanocomposite with exceptional photocatalytic activity for dye degradation. *Applied Surface Science*, **2015**, 351, 303-308	6.7	50
53	Zn Doped FeCo Layered Double Hydroxide Nanoneedle Arrays with Partial Amorphous Phase for Efficient Oxygen Evolution Reaction. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 13105-13114	8.3	48
52	Facile Synthesis of Highly Luminescent Water-Soluble ZnSe:Mn/ZnS Core/Shell Doped Nanocrystals with Pure Dopant Emission. *Journal of Physical Chemistry C*, **2012**, 116, 12258-12264	3.8	36
51	Water-soluble ZnS:Mn/ZnS core/shell nanoparticles prepared by a novel two-step method. *Journal of Alloys and Compounds*, **2010**, 492, 363-367	5.7	34
50	One-step construction of core/shell nanoarrays with a holey shell and exposed interfaces for overall water splitting. *Journal of Materials Chemistry A*, **2019**, 7, 1196-1205	13	33
49	Modification of TiO2 nanotubes by WO3 species for improving their photocatalytic activity. *Applied Surface Science*, **2015**, 343, 181-187	6.7	32
48	Synthesis and characterization of Mn doped ZnS d-dots with controllable dual-color emissions. *Journal of Colloid and Interface Science*, **2012**, 367, 178-82	9.3	31
47	Synthesis and characterization of Mn-doped CsPb(Cl/Br) perovskite nanocrystals with controllable dual-color emission.. *RSC Advances*, **2018**, 8, 1940-1947	3.7	25

46	Fabrication of intelligent photonic crystal hydrogel sensors for selective detection of trace mercury ions in seawater. *Journal of Materials Chemistry C*, **2017**, 5, 8482-8488	7.1	24
45	Preparation and electrochromic performance of NiO/TiO2 nanorod composite film. *Journal of Alloys and Compounds*, **2017**, 728, 878-886	5.7	23
44	Photonic hydrogels for the ultratrace sensing of divalent beryllium in seawater. *Journal of Materials Chemistry C*, **2018**, 6, 4234-4242	7.1	22
43	Shell thickness dependence of luminescence intensity in core/shell ZnS:Mn/ZnS nanoparticles. *Materials Chemistry and Physics*, **2009**, 115, 795-798	4.4	22
42	Vertical 1T/2H-WS nanoflakes grown on 2D-CN: Multiple charge transfer channels designed for enhanced photocatalytic activity. *Journal of Colloid and Interface Science*, **2019**, 556, 224-231	9.3	19
41	Greatly enhanced dielectric charge storage capabilities of layered polymer composites incorporated with low loading fractions of ultrathin amorphous iron phosphate nanosheets. *Journal of Materials Chemistry C*, **2021**, 9, 10414-10424	7.1	18
40	Construction of layer-by-layer g-C3N4/Ag/Bi2WO6 Z-scheme system with enhanced photocatalytic activity. *Journal of Materials Science*, **2018**, 53, 16010-16021	4.3	17
39	Water-soluble silica-coated ZnS : Mn nanoparticles as fluorescent sensors for the detection of ultratrace copper(II) ions in seawater. *Analytical Methods*, **2017**, 9, 322-328	3.2	16
38	Preparation of Ni(OH)2/TiO2 porous film with novel structure and electrochromic property. *Solar Energy Materials and Solar Cells*, **2019**, 191, 108-116	6.4	16
37	High photodegradation ability of dyes by Fe(III)-tartrate/TiO2 nanotubular photocatalyst supported via photo-Fenton reaction. *Journal of Photochemistry and Photobiology A: Chemistry*, **2017**, 334, 20-25	4.7	15
36	Constructing CuNi dual active sites on ZnIn2S4 for highly photocatalytic hydrogen evolution. *Catalysis Science and Technology*, **2021**, 11, 2753-2761	5.5	13
35	Organic macromolecule assisted synthesis of ultralong carbon@TiO 2 nanotubes for high performance lithium-ion batteries. *Electrochimica Acta*, **2016**, 200, 97-105	6.7	11
34	Synthesis and luminescence properties of ZnS:Mn/ZnS core/shell nanorod structures. *Journal of Materials Science*, **2009**, 44, 2792-2795	4.3	10
33	The triple structure design of 2D amorphous Fe-doped indium phosphate nanosheets as a highly efficient electrocatalyst for water oxidation. *Journal of Materials Chemistry A*, **2020**, 8, 18232-18243	13	10
32	Preparation of stable superamphiphobic surfaces on X80 pipeline steel substrates. *RSC Advances*, **2016**, 6, 91669-91678	3.7	10
31	Towards TiO2 nanotubes modified by WO3 species: influence of ex situ crystallization of precursor on the photocatalytic activities of WO3/TiO2 composites. *Journal Physics D: Applied Physics*, **2015**, 48, 355305	3	9
30	Efficient silver modification of TiO 2 nanotubes with enhanced photocatalytic activity. *Solid State Sciences*, **2018**, 80, 116-122	3.4	9
29	Effect of ultraviolet irradiation on luminescence properties of undoped ZnS and ZnS:Ag nanoparticles. *Journal of Applied Physics*, **2009**, 106, 093506	2.5	9

28	Coupling porous Ni doped LaFeO3 nanoparticles with amorphous FeOOH nanosheets yields an interfacial electrocatalyst for electrocatalytic oxygen evolution. *Journal of Materials Chemistry A*,	13	8
27	Controllable synthesis and luminescent properties of rare earth doped Gd(MoO) nanoplates. *Journal of Colloid and Interface Science*, **2017**, 504, 134-139	9.3	7
26	Rapid synthesis of CuInTe ultrathin nanoplates with enhanced photoelectrochemical properties. *Chemical Communications*, **2017**, 53, 5878-5881	5.8	7
25	Effect of post heat treatment on microstructure and photocatalytic activities of TiO2 nanoribbons. *Applied Surface Science*, **2011**, 257, 7932-7937	6.7	7
24	Constructing a 2D/2D heterojunction of MoSe2/ZnIn2S4 nanosheets for enhanced photocatalytic hydrogen evolution. *CrystEngComm*, **2021**, 23, 2547-2555	3.3	7
23	Mn0.4In1.6S3 Nanoflower Solid Solutions for Visible-Light Photocatalytic Hydrogen Evolution. *ACS Applied Nano Materials*, **2019**, 2, 5245-5253	5.6	6
22	Environmentally-friendly synthesis of highly luminescent cesium lead halide perovskite nanocrystals using Sn-based halide precursors. *Inorganica Chimica Acta*, **2017**, 467, 251-255	2.7	6
21	Two-dimensional (2D) MnInSe nanosheets with porous structure: a novel photocatalyst for water splitting without sacrificial agents. *Chemical Communications*, **2019**, 55, 15061-15064	5.8	6
20	Largely Improved Breakdown Strength and Discharge Efficiency of Layer-Structured Nanocomposites by Filling with a Small Loading Fraction of 2D Zirconium Phosphate Nanosheets. *Advanced Materials Interfaces*, **2022**, 9, 2101646	4.6	6
19	Iron-doped cobalt phosphate 1D amorphous ultrathin nanowires as a highly efficient electrocatalyst for water oxidation. *Sustainable Energy and Fuels*, **2020**, 4, 4704-4712	5.8	4
18	A novel ammonia complex-assisted ion-exchange strategy to fabricate heterostructured PdO/TiO2 nanorods with enhanced photocatalytic activities. *Journal of Nanoparticle Research*, **2016**, 18, 1	2.3	4
17	Hierarchical Fe3O4@titanate microspheres with superior removal capability for water treatment: in situ growth and structure tailoring via hydrothermal assisted etching. *RSC Advances*, **2015**, 5, 73126-73132	3.7	3
16	Photoluminescence properties of ZnS/CdS/ZnS quantum dot□quantum wells doped with Ag+ ions. *Journal of Nanoparticle Research*, **2011**, 13, 5157-5161	2.3	3
15	Two-Phase Colloidal Synthesis of Amorphous Iron-Doped Manganese Phosphate Hollow Nanospheres for Efficient Water Oxidation. *Advanced Sustainable Systems*, **2020**, 4, 2000128	5.9	3
14	Well-Monodispersed Iron-Doped InOOH Nanoparticles with Enhanced Activity for Oxygen Evolution. *ChemElectroChem*, **2020**, 7, 3991-3997	4.3	3
13	Amorphous Fe(OH) Passivating CeO Nanorods: A Noble-Metal-Free Photocatalyst for Water Oxidation. *ChemSusChem*, **2021**, 14, 3382-3390	8.3	3
12	Fe doped amorphous single layered vanadyl phosphate nanosheets as highly efficient electrocatalyst for water oxidation. *Journal of Colloid and Interface Science*, **2021**, 586, 505-513	9.3	3
11	A novel CoSeO3 photocatalyst assisting g-C3N4 in enhancing hydrogen evolution through Z scheme mode. *International Journal of Hydrogen Energy*, **2022**, 47, 5999-6010	6.7	2

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10	An effective photocatalytic hydrogen evolution strategy based on tunable band gap (CuIn)xZn2(1−x)S2 combined with amorphous molybdenum sulfide. *New Journal of Chemistry*, **2021**, 45, 7278-7284	3.6	2
9	Crystalline/amorphous composite interface induced by NaBH4 hydrolysis reaction: a new interfacial electrocatalyst for efficient oxygen evolution reaction. *Materials Today Energy*, **2022**, 26, 100987	7	2
8	Synthesis and characterisation of ZnS:Cu and ZnS:Cu/CdS core/shell nanocrystals via a water-soluble route. *Micro and Nano Letters*, **2012**, 7, 604	0.9	1
7	Synthesis, structural and optical properties of water-soluble Mn-doped CdS nanocrystals. *Micro and Nano Letters*, **2011**, 6, 257	0.9	1
6	Mn Fe O Hollow Nanostructures for High-Performance Asymmetric Supercapacitor Applications. *Chemistry - A European Journal*, **2021**, 27, 9398-9405	4.8	1
5	Atmosphere plasma treatment and Co heteroatoms doping on basal plane of colloidal 2D VSe2 nanosheets for enhanced hydrogen evolution. *International Journal of Hydrogen Energy*, **2021**, 46, 32425-32434	6.7	1
4	Synthesis of NiS2/polyvinylpyrrolidone/(CuIn)0.2Zn1.6S2 type II heterojunction photocatalysts for high-efficiency photocatalytic hydrogen production under visible light. *International Journal of Hydrogen Energy*, **2022**, 47, 9934-9934	6.7	0
3	Boosting the oxygen evolution reaction performance through defect and lattice distortion engineering. *New Journal of Chemistry*, **2022**, 46, 6424-6432	3.6	0
2	Enhanced photocatalytic activity by photo-Fenton reaction: towards TiO2 nanotubes sensitized by Fe(III)-tartrate. *Journal Physics D: Applied Physics*, **2019**, 52, 175302	3	
1	Amorphous Doping Promotes Utilization of Fe-Doped Amorphous Zr(HPO 4) 2 for Superb Water Oxidation Electrocatalysis. *Advanced Materials Interfaces*,2200387	4.6	