

# Bo Chai

## List of Publications by Year in descending order

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43  
papers

2,828  
citations

172457

29  
h-index

265206

42  
g-index

43  
all docs

43  
docs citations

43  
times ranked

3919  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of 5-hydroxymethylfurfural from fructose catalyzed by sulfonated carbon-based solid acid. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 9195-9203.	4.6	3
2	Unveiling the role of Mn-Cd-S solid solution and MnS in $Mn_xCd_{1-x}S$ photocatalysts and decorating with CoP nanoplates for enhanced photocatalytic H <sub>2</sub> evolution. <i>Chemical Engineering Journal</i> , 2022, 428, 131069.	12.7	64
3	Removal of tetracycline onto KOH-activated biochar derived from rape straw: Affecting factors, mechanisms and reusability inspection. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 640, 128466.	4.7	24
4	Investigation on the Preparation of Rice Straw-Derived Cellulose Acetate and Its Spinnability for Electrospinning. <i>Polymers</i> , 2021, 13, 3463.	4.5	8
5	Facile preparation of MIL-88B-Fe metal-organic framework with high peroxidase-like activity for colorimetric detection of hydrogen peroxide in milk and beer. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	12
6	In situ fabrication of CdMoO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> composites with improved charge separation and photocatalytic activity under visible light irradiation. <i>Chinese Journal of Catalysis</i> , 2020, 41, 170-179.	14.0	64
7	Liquid exfoliating CdS and MoS <sub>2</sub> to construct 2D/2D MoS <sub>2</sub> /CdS heterojunctions with significantly boosted photocatalytic H <sub>2</sub> evolution activity. <i>Journal of Materials Science and Technology</i> , 2020, 56, 179-188.	10.7	73
8	Few-layer WS <sub>2</sub> decorating ZnIn <sub>2</sub> S <sub>4</sub> with markedly promoted charge separation and photocatalytic H <sub>2</sub> evolution activity. <i>Applied Surface Science</i> , 2020, 514, 145965.	6.1	63
9	A silicon-doped iridium electrode prepared by magnetron-sputtering as an advanced electrocatalyst for overall water splitting in acidic media. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2321-2328.	4.9	9
10	Amorphous MoS <sub>2</sub> decorated on uniform Cd <sub>0.8</sub> Zn <sub>0.2</sub> S microspheres with dramatically improved photocatalytic hydrogen evolution performance. <i>New Journal of Chemistry</i> , 2019, 43, 7846-7854.	2.8	9
11	Direct electrospinning method for the construction of Z-scheme TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> /RGO ternary heterojunction photocatalysts with remarkably ameliorated photocatalytic performance. <i>Chinese Journal of Catalysis</i> , 2019, 40, 458-469.	14.0	103
12	Construction of 2D/2D Ni <sub>2</sub> P/CdS heterojunctions with significantly enhanced photocatalytic H <sub>2</sub> evolution performance. <i>Catalysis Science and Technology</i> , 2019, 9, 6929-6937.	4.1	34
13	One-step hydrothermal preparation of MoS <sub>2</sub> loaded on CdMoO <sub>4</sub> /CdS hybrids for efficient photocatalytic hydrogen evolution. <i>Catalysis Communications</i> , 2018, 110, 10-13.	3.3	9
14	In-situ synthesis of WO <sub>3</sub> nanoplates anchored on g-C <sub>3</sub> N <sub>4</sub> Z-scheme photocatalysts for significantly enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2018, 448, 1-8.	6.1	126
15	Solvothermal fabrication of MoS <sub>2</sub> anchored on ZnIn <sub>2</sub> S <sub>4</sub> microspheres with boosted photocatalytic hydrogen evolution activity. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 6977-6986.	7.1	65
16	Remarkably enhanced photocatalytic hydrogen evolution over MoS <sub>2</sub> nanosheets loaded on uniform CdS nanospheres. <i>Applied Surface Science</i> , 2018, 430, 523-530.	6.1	104
17	Enhanced photocatalytic activity of electrospun nanofibrous TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunction photocatalyst under simulated solar light. <i>Applied Surface Science</i> , 2018, 430, 243-252.	6.1	65
18	Effect of electrode material and electrolysis process on the preparation of electrolyzed oxidizing water. <i>New Journal of Chemistry</i> , 2018, 42, 12143-12151.	2.8	13

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19	Preparation and photocatalytic activity of TiO <sub>2</sub> -loaded Ti <sub>3</sub> C <sub>2</sub> with small interlayer spacing. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	34
20	Enhanced visible light photocatalytic degradation of Rhodamine B over phosphorus doped graphitic carbon nitride. Applied Surface Science, 2017, 391, 376-383.	6.1	194
21	High-efficiency electrochemical hydrogen evolution based on the intermetallic Pt <sub>2</sub> /Si compound prepared by magnetron-sputtering. RSC Advances, 2017, 7, 1553-1560.	3.6	37
22	IrO <sub>2</sub> –TiO <sub>2</sub> electrocatalysts for the hydrogen evolution reaction in acidic water electrolysis without activation. New Journal of Chemistry, 2017, 41, 6152-6159.	2.8	34
23	<i>In situ</i> construction of BiOBr/Ag <sub>3</sub> PO <sub>4</sub> composites with enhanced visible light photocatalytic performances. Journal of Materials Research, 2017, 32, 1603-1610.	2.6	12
24	Preparation of electrolyzed oxidizing water with a platinum electrode prepared by magnetron sputtering technique. RSC Advances, 2017, 7, 45377-45384.	3.6	12
25	Electrospinning direct synthesis of magnetic ZnFe <sub>2</sub> O <sub>4</sub> /ZnO multi-porous nanotubes with enhanced photocatalytic activity. Applied Surface Science, 2017, 396, 780-790.	6.1	89
26	Photocatalytic hydrogen evolution activity over MoS <sub>2</sub> /ZnIn <sub>2</sub> S <sub>4</sub> microspheres. Chinese Journal of Catalysis, 2017, 38, 2067-2075.	14.0	63
27	Biosorption of methylene blue from aqueous solution by natural <i>Osmanthus fragrans</i> powder. Desalination and Water Treatment, 2016, 57, 18868-18878.	1.0	1
28	Enhanced visible light photocatalytic activity of BiOI/BiOCOOH composites synthesized via ion exchange strategy. RSC Advances, 2015, 5, 7589-7596.	3.6	74
29	The electrocatalytic activity of IrO <sub>2</sub> –Ta <sub>2</sub> O <sub>5</sub> anode materials and electrolyzed oxidizing water preparation and sterilization effect. RSC Advances, 2015, 5, 8778-8786.	3.6	31
30	Facile ion-exchange synthesis of BiOI/Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> heterostructure for efficient photocatalytic activity under visible light irradiation. Journal of Materials Science: Materials in Electronics, 2015, 26, 2296-2304.	2.2	21
31	Facile synthesis of Ag <sub>3</sub> PO <sub>4</sub> /C <sub>3</sub> N <sub>4</sub> composites with improved visible light photocatalytic activity. Journal of Materials Research, 2015, 30, 1128-1136.	2.6	29
32	Visible light photocatalytic performance of hierarchical BiOBr microspheres synthesized via a reactable ionic liquid. Materials Science in Semiconductor Processing, 2014, 23, 151-158.	4.0	30
33	Fullerene modified C <sub>3</sub> N <sub>4</sub> composites with enhanced photocatalytic activity under visible light irradiation. Dalton Transactions, 2014, 43, 982-989.	3.3	153
34	One-pot triethanolamine-assisted hydrothermal synthesis of Ag/ZnO heterostructure microspheres with enhanced photocatalytic activity. Ceramics International, 2014, 40, 429-435.	4.8	60
35	Synthesis of C <sub>60</sub> -decorated SWCNTs (C <sub>60</sub> -d-CNTs) and its TiO <sub>2</sub> -based nanocomposite with enhanced photocatalytic activity for hydrogen production. Dalton Transactions, 2013, 42, 3402-3409.	3.3	101
36	Synthesis of multicomponent sulfide Ag <sub>2</sub> ZnSnS <sub>4</sub> as an efficient photocatalyst for H <sub>2</sub> production under visible light irradiation. RSC Advances, 2013, 3, 253-258.	3.6	45

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37	Synthesis and characterization of ball-in-ball CuSCN hollow architecture. <i>Materials Letters</i> , 2013, 93, 56-59.	2.6	6
38	Walnut-like In <sub>2</sub> S <sub>3</sub> microspheres: ionic liquid-assisted solvothermal synthesis, characterization and formation mechanism. <i>Nanoscale</i> , 2012, 4, 2372.	5.6	30
39	Graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> )@Pt-TiO <sub>2</sub> nanocomposite as an efficient photocatalyst for hydrogen production under visible light irradiation. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 16745.	2.8	479
40	Preparation of a MWCNTs/ZnIn <sub>2</sub> S <sub>4</sub> composite and its enhanced photocatalytic hydrogen production under visible-light irradiation. <i>Dalton Transactions</i> , 2012, 41, 1179-1186.	3.3	143
41	Template-Free Hydrothermal Synthesis of ZnIn <sub>2</sub> S <sub>4</sub> Floriated Microsphere as an Efficient Photocatalyst for H <sub>2</sub> Production under Visible-Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6149-6155.	3.1	184
42	Synthesis of floriated In <sub>2</sub> S <sub>3</sub> decorated with TiO <sub>2</sub> nanoparticles for efficient photocatalytic hydrogen production under visible light. <i>Journal of Materials Chemistry</i> , 2011, 21, 14587.	6.7	105
43	Water/n-Propanol/n-Butanol Microemulsions. <i>Journal of Dispersion Science and Technology</i> , 2008, 29, 280-283.	2.4	13