

Hongye Bai

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,921
citations

218677

26
h-index

254184

43
g-index

51
all docs

51
docs citations

51
times ranked

1891
citing authors

#	ARTICLE	IF	CITATIONS
1	Promoting photoelectrochemical hydrogen production performance by fabrication of Co1-XS decorating BiVO ₄ photoanode. International Journal of Hydrogen Energy, 2022, 47, 940-949.	7.1	10
2	Photoelectrochemical reduction of nitrate to ammonia over CuPc/CeO ₂ heterostructure: Understanding the synergistic effect between oxygen vacancies and Ce sites. Chemical Engineering Journal, 2022, 433, 133225.	12.7	21
3	Efficient Electrocatalytic Oxidation of 5-Hydroxymethylfurfural Coupled with 4-Nitrophenol Hydrogenation in a Water System. ACS Catalysis, 2022, 12, 1545-1557.	11.2	113
4	Fabrication of an amorphous metal oxide/p-BiVO ₄ photocathode: understanding the role of entropy for reducing nitrate to ammonia. Inorganic Chemistry Frontiers, 2022, 9, 805-813.	6.0	12
5	Fabrication of Zn-MOF decorated BiVO ₄ photoanode for water splitting. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 640, 128412.	4.7	29
6	An in-situ cation exchange approach to stabilize Zn-MOF: Understanding the role of nickel ions for photoelectrochemical performance. International Journal of Hydrogen Energy, 2022, 47, 10277-10288.	7.1	10
7	Electrocatalytic reduction of 4-nitrophenol over Ni-MOF/NF: understanding the self-enrichment effect of H-bonds. Chemical Communications, 2022, 58, 4897-4900.	4.1	11
8	In Situ Electrochemical Reconstitution of CF ₂ CuO/CeO ₂ for Efficient Active Species Generation. Inorganic Chemistry, 2022, 61, 8940-8954.	4.0	21
9	Fabrication of BiVO ₄ -Ni/Co ₃ O ₄ photoanode for enhanced photoelectrochemical water splitting. Applied Surface Science, 2021, 538, 148150.	6.1	51
10	Photoelectrochemical detection of 4-nitrophenol by sensitive Ni/Cu ₂ O photocathode. Electrochimica Acta, 2021, 367, 137453.	5.2	26
11	In-situ decoration of unsaturated Cu sites on Cu ₂ O photocathode for boosting nitrogen reduction reaction. Chemical Engineering Journal, 2021, 413, 127453.	12.7	31
12	Understanding the Z-scheme heterojunction of BiVO ₄ /PANI for photoelectrochemical nitrogen reduction. Chemical Communications, 2021, 57, 10568-10571.	4.1	35
13	Effect of unsaturated coordination on photoelectrochemical properties of Ni-MOF/TiO ₂ photoanode for water splitting. International Journal of Hydrogen Energy, 2021, 46, 17741-17750.	7.1	21
14	Understanding the key role of vanadium in p-type BiVO ₄ for photoelectrochemical N ₂ fixation. Chemical Engineering Journal, 2021, 414, 128773.	12.7	50
15	An effective route for growth of WO ₃ /BiVO ₄ heterojunction thin films with enhanced photoelectrochemical performance. Journal of Industrial and Engineering Chemistry, 2021, 104, 146-154.	5.8	9
16	Biothiol-Functionalized Cuprous Oxide Sensor for Dual-Mode Sensitive Hg ²⁺ Detection. ACS Applied Materials & Interfaces, 2021, 13, 46980-46989.	8.0	34
17	Dual-functional electrochemical bio-sensor built from Cu ₂ O for sensitively detecting the thiols and Hg ²⁺ . Applied Surface Science, 2021, 564, 150397.	6.1	22
18	Charge-transfer dynamics at a Ag/Ni-MOF/Cu ₂ O heterostructure in photoelectrochemical NH ₃ production. Chemical Communications, 2021, 57, 8031-8034.	4.1	33

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19	Hierarchical CoP@Ni ₂ P core-shell nanosheets for ultrahigh energy density asymmetric supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3030-3038.	6.0	24
20	Boosted Photoelectrochemical N ₂ Reduction over Mo ₂ C In Situ Coated with Graphitized Carbon. <i>Langmuir</i> , 2020, 36, 14802-14810.	3.5	20
21	Amorphous MnCO ₃ /C Double Layers Decorated on BiVO ₄ Photoelectrodes to Boost Nitrogen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52763-52770.	8.0	35
22	Organic-inorganic hybrid-photoanode built from NiFe-MOF and TiO ₂ for efficient PEC water splitting. <i>Electrochimica Acta</i> , 2020, 349, 136383.	5.2	72
23	Ag-Pi/BiVO ₄ heterojunction with efficient interface carrier transport for photoelectrochemical water splitting. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 619-627.	9.4	35
24	In-situ implantation of plasmonic Ag into metal-organic frameworks for constructing efficient Ag/NH ₂ -MIL-125/TiO ₂ photoanode. <i>Chemical Engineering Journal</i> , 2020, 388, 124206.	12.7	98
25	MOF-derived Co ₃ O ₄ thin film decorated BiVO ₄ for enhancement of photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2019, 491, 497-504.	6.1	77
26	Confined growth of Co-Pi co-catalyst by organic semiconductor polymer for boosting the photoelectrochemical performance of BiVO ₄ . <i>New Journal of Chemistry</i> , 2019, 43, 8160-8167.	2.8	9
27	In Situ Decorating Coordinatively Unsaturated Fe Sites for Boosting Water Oxidation Performance of TiO ₂ Photoanode. <i>Energy Technology</i> , 2019, 7, 1801128.	3.8	20
28	Reasonable regulation of kinetics over BiVO ₄ photoanode by Fe-CoP catalysts for boosting photoelectrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28184-28193.	7.1	33
29	In-situ approach to fabricate BiOI photocathode with oxygen vacancies: Understanding the N ₂ reduced behavior in photoelectrochemical system. <i>Chemical Engineering Journal</i> , 2019, 362, 349-356.	12.7	121
30	In-situ anchoring Ag through organic polymer for configuring efficient plasmonic BiVO ₄ photoanode. <i>Chemical Engineering Journal</i> , 2019, 358, 658-665.	12.7	81
31	Integrated Heterostructure of PDA/BiAgIn ₅ S ₈ /TiO ₂ for Photoelectrochemical Hydrogen Production: Understanding the Synergistic Effect of Multilayer Structure. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701574.	3.7	29
32	Boosting Water Splitting Performance of BiVO ₄ Photoanode through Selective Surface Decoration of Ag ₂ S. <i>ChemCatChem</i> , 2018, 10, 4927-4933.	3.7	35
33	Heterojunction composites of g-C ₃ N ₄ /KNbO ₃ enhanced photocatalytic properties for water splitting. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16566-16572.	7.1	46
34	Ni-MOF <i>in-situ</i> Decorating ZnO photoelectrode for photoelectrochemical water splitting. <i>Functional Materials Letters</i> , 2018, 11, 1850085.	1.2	12
35	Core-shell structured ZnCo ₂ O ₄ @ZnWO ₄ nanowire arrays on nickel foam for advanced asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 64-73.	9.4	71
36	Synthesis of C/Co ₃ O ₄ composite mesoporous hollow sphere sandwich graphene films for high-performance supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2554-2562.	6.0	26

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37	Self-templated transformation of MOFs into layered double hydroxide nanoarrays with selectively formed Co ₉ S ₈ for high-performance asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 354, 716-726.	12.7	179
38	An in situ photoelectroreduction approach to fabricate Bi/BiOCl heterostructure photocathodes: understanding the role of Bi metal for solar water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4894-4903.	10.3	96
39	Controllable TiO ₂ heterostructure with carbon hybrid materials for enhanced photoelectrochemical performance. <i>New Journal of Chemistry</i> , 2017, 41, 3460-3465.	2.8	8
40	Fabrication of stable photoanode built from ZnO nanosheets in situ decorated with carbon film. <i>Functional Materials Letters</i> , 2017, 10, 1750068.	1.2	4
41	One-step syntheses of MoS ₂ /graphitic carbon composites with enhanced photocatalytic activity under visible light irradiation. <i>New Journal of Chemistry</i> , 2017, 41, 14171-14178.	2.8	8
42	Hydrothermal synthesis of 3D Ba ₅ Ta ₄ O ₁₅ flower-like microsphere photocatalyst with high photocatalytic properties. <i>Journal of Materials Research</i> , 2016, 31, 2640-2648.	2.6	10
43	Fabrication of MgFe ₂ O ₄ /MoS ₂ Heterostructure Nanowires for Photoelectrochemical Catalysis. <i>Langmuir</i> , 2016, 32, 1629-1636.	3.5	59
44	Rod-in-tube nanostructure of MgFe ₂ O ₄ : electrospinning synthesis and photocatalytic activities of tetracycline. <i>New Journal of Chemistry</i> , 2016, 40, 538-544.	2.8	25
45	Fabrication of Au@CdS/RGO/TiO ₂ heterostructure for photoelectrochemical hydrogen production. <i>New Journal of Chemistry</i> , 2016, 40, 2287-2295.	2.8	36
46	Hydrothermal synthesis of Fe ₂ O ₃ /ZnO heterojunction photoanode for photoelectrochemical water splitting. <i>Functional Materials Letters</i> , 2015, 08, 1550058.	1.2	24
47	Sandwiched Nanostructured NiO@ZnO Nanowires@Fe ₂ O ₃ Film Photoanode with a Synergistic Effect and p-n Junction for Efficient Photoelectrochemical Water Splitting. <i>ChemElectroChem</i> , 2014, 1, 2089-2097.	3.4	19
48	Synthesis and Photoelectrochemical Properties of Efficient Photoanodes Built from Fe ₂ O ₃ /NiO Heterostructures. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3608-3613.	2.0	12
49	Semiconductors with NIR driven upconversion performance for photocatalysis and photoelectrochemical water splitting. <i>CrystEngComm</i> , 2014, 16, 3059.	2.6	54
50	HYDROTHERMAL SYNTHESIS, CRYSTAL STRUCTURE AND ELECTROCHEMICAL BEHAVIOR OF 2D HYBRID COORDINATION POLYMER. <i>Functional Materials Letters</i> , 2013, 06, 1350027.	1.2	3