

Yanping Hou

List of Publications by Year in descending order

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52
papers

1,658
citations

236925

25
h-index

302126

39
g-index

52
all docs

52
docs citations

52
times ranked

1569
citing authors

#	ARTICLE	IF	CITATIONS
1	N, S co-doped carbon quantum dots anchoring on copper-vacancy-rich Cu nanowires/Cu foam as the cathode in microbial fuel cells: Role of C-S-Cu active site. <i>Science of the Total Environment</i> , 2022, 805, 150340.	8.0	16
2	B-doped graphene quantum dots implanted into bimetallic organic framework as a highly active and robust cathodic catalyst in the microbial fuel cell. <i>Chemosphere</i> , 2022, 286, 131908.	8.2	22
3	Synchronous removal of tetracycline and copper (II) over Z-scheme BiVO ₄ /rGO/g-C ₃ N ₄ photocatalyst under visible-light irradiation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 19148-19164.	5.3	14
4	Chlortetracycline degradation performance and mechanism in the self-biased bio-photoelectrochemical system constructed with an oxygen-defect-rich BiVO ₄ /Ni ₉ S ₈ photoanode. <i>Chemosphere</i> , 2022, 295, 133787.	8.2	8
5	Lattice distortion of crystalline-amorphous nickel molybdenum sulfide nanosheets for high-efficiency overall water splitting: libraries of lone pairs of electrons and <i>in situ</i> surface reconstitution. <i>Nanoscale</i> , 2022, 14, 1370-1379.	5.6	20
6	S-scheme λ -phase MoSe ₂ /AgBr heterojunction toward antibiotic degradation: Photocatalytic mechanism, degradation pathways, and intermediates toxicity evaluation. <i>Separation and Purification Technology</i> , 2022, 290, 120881.	7.9	39
7	Hydroxyl radical and carbonate radical facilitate chlortetracycline degradation in the bio-photoelectrochemical system with a bioanode and a Bi ₂ O ₃ /CuO photocathode using bicarbonate buffer. <i>Chemosphere</i> , 2022, 296, 134040.	8.2	11
8	Step-doped disulfide vacancies and functional groups synergistically enhance photocatalytic activity of S-scheme Cu ₃ SnS ₄ /L-BiOBr towards ciprofloxacin degradation. <i>Chemosphere</i> , 2022, 301, 134684.	8.2	25
9	A new type of photoinduced Anion-Exchange Approach: MOF-Derived Cobalt-Based sulfide enables spatial separation of catalytic sites for efficient H ₂ photoproduction. <i>Separation and Purification Technology</i> , 2022, 294, 121200.	7.9	5
10	Microelectronic structure changes electron utilization: Core-shell structure catalysts with electron library and quantum dots for photocatalytic hydrogen production. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 660-673.	9.4	6
11	Visible light driven antibiotics degradation using S-scheme Bi ₂ WO ₆ /CoIn ₂ S ₄ heterojunction: Mechanism, degradation pathways and toxicity assessment. <i>Chemosphere</i> , 2022, 303, 135113.	8.2	32
12	Construction of microspherical flower-like Zn ₃ In ₂ S ₆ -BGQDs/AgBr S-scheme heterojunction for photocatalytic elimination of nitrofurazone and Cr (VI). <i>Separation and Purification Technology</i> , 2022, 299, 121563.	7.9	18
13	In-situ generation of oxygen vacancies and BiO clusters on MoSe ₂ /Bi@BiOBr-OV via Fermi inter-level electron transfer for efficient elimination of chlorotetracycline and Cr (VI). <i>Separation and Purification Technology</i> , 2022, 299, 121701.	7.9	16
14	A novel, noble-metal-free core-shell structure Ni@P@C cocatalyst modified sulfur vacancy-rich ZnIn ₂ S ₄ 2D ultrathin sheets for visible light-driven photocatalytic hydrogen evolution. <i>Journal of Alloys and Compounds</i> , 2021, 855, 157333.	5.5	39
15	Dye wastewater treatment and hydrogen production in microbial electrolysis cells using MoS ₂ -graphene oxide cathode: Effects of dye concentration, co-substrate and buffer solution. <i>Process Biochemistry</i> , 2021, 102, 51-58.	3.7	27
16	Sulfur defect rich Mo-Ni ₃ S ₂ QDs assisted by O-Ci-O chemical bonding for an efficient electrocatalytic overall water splitting. <i>Nanoscale</i> , 2021, 13, 6644-6653.	5.6	21
17	Metal organic frameworks constructed heterojunction with λ -NiS- λ -NiS/CdS: The effect of organic-ligand in UiO-66 for charge transfer of photocatalytic hydrogen evolution. <i>Renewable Energy</i> , 2021, 168, 1112-1121.	8.9	36
18	3D-stretched Film Ni ₃ S ₂ Nanosheet/Macromolecule Anthraquinone Derivative Polymers for Electrocatalytic Overall Water Splitting. <i>Small</i> , 2021, 17, e2101003.	10.0	13

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19	Copper vacancy and C O bond facilitate the enhancement of oxygen reduction activity of three-dimensional flower-like Cu ₃₆ Ni _x Pt ₄₅ nanospheres in microbial fuel cells. International Journal of Hydrogen Energy, 2021, .	7.1	6
20	Modulating carbon-supported transition metal oxide by electron-giving and electron-absorbing functional groups towards efficient overall water splitting. Chemical Engineering Journal, 2021, 416, 129124.	12.7	41
21	Visible-light-driven Z-scheme Zn ₃ In ₂ S ₆ /AgBr photocatalyst for boosting simultaneous Cr (VI) reduction and metronidazole oxidation: Kinetics, degradation pathways and mechanism. Journal of Hazardous Materials, 2021, 419, 126543.	12.4	78
22	MOF-derived M-OOH with rich oxygen defects by <i>in situ</i> electro-oxidation reconstitution for a highly efficient oxygen evolution reaction. Journal of Materials Chemistry A, 2021, 9, 11415-11426.	10.3	34
23	Physical separation of catalytic oxidation and reduction sites onto photocatalyst assisted by surface functional groups for enhanced hydrogen evolution. Journal of Cleaner Production, 2021, 324, 129259.	9.3	8
24	Double MOF gradually activated S bond induced S defect rich MILN-based Co(z)-NiMoS for efficient electrocatalytic overall water splitting. Nanoscale, 2021, 13, 20670-20682.	5.6	10
25	Bio-photoelectrochemical system constructed with BiVO ₄ /RGO photocathode for 2,4-dichlorophenol degradation: BiVO ₄ /RGO optimization, degradation performance and mechanism. Journal of Hazardous Materials, 2020, 389, 121917.	12.4	31
26	Nitrofurazone degradation in the self-biased bio-photoelectrochemical system: g-C ₃ N ₄ /CdS photocathode characterization, degradation performance, mechanism and pathways. Journal of Hazardous Materials, 2020, 384, 121438.	12.4	50
27	Bimetallic organic framework-derived, oxygen-defect-rich Fe _x Co _{3-x} S ₄ /Fe _y Co _{9-y} S ₈ heterostructure microsphere as a highly efficient and robust cathodic catalyst in the microbial fuel cell. Journal of Power Sources, 2020, 472, 228582.	7.8	25
28	CdS nanoparticles grown <i>in situ</i> on oxygen deficiency-rich WO _{3-x} nanosheets: direct Z-scheme heterojunction towards enhancing visible light-driven hydrogen evolution. CrystEngComm, 2020, 22, 5818-5827.	2.6	9
29	Optimization of the overall water-splitting performance of N, S co-doped carbon-supported NiCoMnS _x ~10 at high current densities by the introduction of sulfur defects and oxygen vacancies. CrystEngComm, 2020, 22, 6239-6248.	2.6	5
30	CoP QD anchored carbon skeleton modified CdS nanorods as a co-catalyst for photocatalytic hydrogen production. Nanoscale, 2020, 12, 19203-19212.	5.6	49
31	Different refractory organic substances degradation and microbial community shift in the single-chamber bio-photoelectrochemical system. Bioresource Technology, 2020, 307, 123176.	9.6	25
32	Path of electron transfer created in S-doped NH ₂ -UiO-66 bridged ZnIn ₂ S ₄ /MoS ₂ nanosheet heterostructure for boosting photocatalytic hydrogen evolution. Catalysis Science and Technology, 2020, 10, 2531-2539.	4.1	22
33	Enhanced visible light photocatalytic activity of CdS through controllable self-assembly compositing with ZIF-67. Molecular Catalysis, 2020, 485, 110797.	2.0	23
34	Photocathode optimization and microbial community in the solar-illuminated bio-photoelectrochemical system for nitrofurazone degradation. Bioresource Technology, 2020, 302, 122761.	9.6	22
35	Adjustable anchoring of Ni/Co cations by oxygen-containing functional groups on functionalized graphite paper and accelerated mass/electron transfer for overall water splitting. Catalysis Science and Technology, 2020, 10, 2627-2643.	4.1	16
36	A novel ligand with -NH ₂ and -COOH-decorated Co/Fe-based oxide for an efficient overall water splitting: dual modulation roles of active sites and local electronic structure. Catalysis Science and Technology, 2020, 10, 6266-6273.	4.1	7

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37	Three-dimensional electro-Fenton degradation of Rhodamine B with efficient Fe-Cu/kaolin particle electrodes: Electrodes optimization, kinetics, influencing factors and mechanism. Separation and Purification Technology, 2019, 210, 60-68.	7.9	83
38	Pt ($1\text{e}^{-}1\text{e}^{-}1$) quantum dot engineered Fe-MOF nanosheet arrays with porous core-shell as an electrocatalyst for efficient overall water splitting. Journal of Catalysis, 2019, 380, 307-317.	6.2	51
39	Spherical cactus-like composite based on transition metals Ni, Co and Mn with 1D / 2D bonding heterostructure for electrocatalytic overall water splitting. Electrochimica Acta, 2019, 323, 134845.	5.2	25
40	Oxygen deficiency introduced to Z-scheme CdS/ WO_3 nanomaterials with MoS_2 as the cocatalyst towards enhancing visible-light-driven hydrogen evolution. Nanoscale, 2019, 11, 10884-10895.	5.6	45
41	Pt (111) quantum dot decorated flower-like Fe_2O_3 (104) thin film nanosheets as a highly efficient bifunctional electrocatalyst for overall water splitting. Journal of Materials Chemistry A, 2019, 7, 11379-11386.	10.3	31
42	Metal-induced Z-scheme CdS/Ag/g-C ₃ N ₄ photocatalyst for enhanced hydrogen evolution under visible light: The synergy of MIP effect and electron mediator of Ag. Molecular Catalysis, 2018, 458, 43-51.	2.0	78
43	Pt/Fe-NF electrode with high double-layer capacitance for efficient hydrogen evolution reaction in alkaline media. International Journal of Hydrogen Energy, 2017, 42, 9458-9466.	7.1	43
44	Solar promoted azo dye degradation and energy production in the bio-photoelectrochemical system with a g-C ₃ N ₄ /BiOBr heterojunction photocathode. Journal of Power Sources, 2017, 371, 26-34.	7.8	74
45	Accelerated azo dye degradation and concurrent hydrogen production in the single-chamber photocatalytic microbial electrolysis cell. Bioresource Technology, 2017, 224, 63-68.	9.6	74
46	Comparison of the removal of monovalent and divalent cations in the microbial desalination cell. Frontiers of Environmental Science and Engineering, 2015, 9, 317-323.	6.0	21
47	Microbial electrolysis cell with spiral wound electrode for wastewater treatment and methane production. Process Biochemistry, 2015, 50, 1103-1109.	3.7	50
48	Selective recovery of Cu ²⁺ and Ni ²⁺ from wastewater using bioelectrochemical system. Frontiers of Environmental Science and Engineering, 2015, 9, 522-527.	6.0	28
49	Heavy metal recovery combined with H ₂ production from artificial acid mine drainage using the microbial electrolysis cell. Journal of Hazardous Materials, 2014, 270, 153-159.	12.4	139
50	Using crosslinked polyvinyl alcohol polymer membrane as a separator in the microbial fuel cell. Frontiers of Environmental Science and Engineering, 2014, 8, 137-143.	6.0	23
51	Improved Hydrogen Production in the Microbial Electrolysis Cell by Inhibiting Methanogenesis Using Ultraviolet Irradiation. Environmental Science & Technology, 2014, 48, 10482-10488.	10.0	63
52	DOW CORNING 1-2577 Conformal Coating as an efficient diffusion material for cathode in the microbial fuel cell. Frontiers of Environmental Science and Engineering, 2013, 7, 526-530.	6.0	1