Yanping Hou

List of Publications by Year in descending order

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		236925	302126
52 papers	1,658 citations	25 h-index	39 g-index

52 all docs	52 docs citations	52 times ranked	1569 citing authors

#	Article	IF	Citations
1	Heavy metal recovery combined with H2 production from artificial acid mine drainage using the microbial electrolysis cell. Journal of Hazardous Materials, 2014, 270, 153-159.	12.4	139
2	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
3	Metal-induced Z-scheme CdS/Ag/g-C3N4 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
4	Visible-light-driven Z-scheme Zn3In2S6/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
5	Solar promoted azo dye degradation and energy production in the bio-photoelectrochemical system with a g-C3N4/BiOBr heterojunction photocathode. Journal of Power Sources, 2017, 371, 26-34.	7.8	74
6	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
7	Improved Hydrogen Production in the Microbial Electrolysis Cell by Inhibiting Methanogenesis Using Ultraviolet Irradiation. Environmental Science & Technology, 2014, 48, 10482-10488.	10.0	63
8	Pt (1â€¯1â€¯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
9	Microbial electrolysis cell with spiral wound electrode for wastewater treatment and methane production. Process Biochemistry, 2015, 50, 1103-1109.	3.7	50
10	Nitrofurazone degradation in the self-biased bio-photoelectrochemical system: g-C3N4/CdS photocathode characterization, degradation performance, mechanism and pathways. Journal of Hazardous Materials, 2020, 384, 121438.	12.4	50
11	CoP QD anchored carbon skeleton modified CdS nanorods as a co-catalyst for photocatalytic hydrogen production. Nanoscale, 2020, 12, 19203-19212.	5.6	49
12	Oxygen deficiency introduced to Z-scheme CdS/WO_{3â^'x} nanomaterials with MoS₂ as the cocatalyst towards enhancing visible-light-driven hydrogen evolution. Nanoscale, 2019, 11, 10884-10895.	5.6	45
13	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
14	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
15	A novel, noble-metal-free core-shell structure Niâ€“P@C cocatalyst modified sulfur vacancy-rich ZnIn2S4 2D ultrathin sheets for visible light-driven photocatalytic hydrogen evolution. Journal of Alloys and Compounds, 2021, 855, 157333.	5.5	39
16	S-schemeÂ1ÂT phase MoSe2/AgBr heterojunction toward antibiotic degradation: Photocatalytic mechanism, degradation pathways, and intermediates toxicity evaluation. Separation and Purification Technology, 2022, 290, 120881.	7.9	39
17	Metal organic frameworks constructed heterojunction with Î±-NiS-Î²-NiS/CdS: The effect of organic-ligand in UiO-66 for charge transfer of photocatalytic hydrogen evolution. Renewable Energy, 2021, 168, 1112-1121.	8.9	36
18	MOF-derived M-OOH with rich oxygen defects by in situ electro-oxidation reconstitution for a highly efficient oxygen evolution reaction. Journal of Materials Chemistry A, 2021, 9, 11415-11426.	10.3	34

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19	Visible light driven antibiotics degradation using S-scheme Bi2WO6/CoIn2S4 heterojunction: Mechanism, degradation pathways and toxicity assessment. Chemosphere, 2022, 303, 135113.	8.2	32
20	Pt (111) quantum dot decorated flower-like Î±Fe₂O₃ (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
21	Bio-photoelectrochemcial system constructed with BiVO4/RGO photocathode for 2,4-dichlorophenol degradation: BiVO4/RGO optimization, degradation performance and mechanism. Journal of Hazardous Materials, 2020, 389, 121917.	12.4	31
22	Selective recovery of Cu2+ and Ni2+ from wastewater using bioelectrochemical system. Frontiers of Environmental Science and Engineering, 2015, 9, 522-527.	6.0	28
23	Dye wastewater treatment and hydrogen production in microbial electrolysis cells using MoS2-graphene oxide cathode: Effects of dye concentration, co-substrate and buffer solution. Process Biochemistry, 2021, 102, 51-58.	3.7	27
24	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
25	Bimetallic organic framework-derived, oxygen-defect-rich FexCo3-xS4/FeyCo9-yS8 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
26	Different refractory organic substances degradation and microbial community shift in the single-chamber bio-photoelectrochemical system. Bioresource Technology, 2020, 307, 123176.	9.6	25
27	Step-doped disulfide vacancies and functional groups synergistically enhance photocatalytic activity of S-scheme Cu3SnS4/L-BiOBr towards ciprofloxacin degradation. Chemosphere, 2022, 301, 134684.	8.2	25
28	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
29	Enhanced visible light photocatalytic activity of CdS through controllable self-assembly compositing with ZIF-67. Molecular Catalysis, 2020, 485, 110797.	2.0	23
30	Path of electron transfer created in S-doped NH₂-UiO-66 bridged ZnIn₂S₄/MoS₂ nanosheet heterostructure for boosting photocatalytic hydrogen evolution. Catalysis Science and Technology, 2020, 10, 2531-2539.	4.1	22
31	Photocathode optimization and microbial community in the solar-illuminated bio-photoelectrochemical system for nitrofurazone degradation. Bioresource Technology, 2020, 302, 122761.	9.6	22
32	B-doped graphene quantum dots implanted into bimetallic organic framework as a highly active and robust cathodic catalyst in the microbial fuel cell. Chemosphere, 2022, 286, 131908.	8.2	22
33	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
34	Sulfur defect rich Mo-Ni₃S₂ QDs assisted by Oâ€“Cî€Ө chemical bonding for an efficient electrocatalytic overall water splitting. Nanoscale, 2021, 13, 6644-6653.	5.6	21
35	Lattice distortion of crystalline-amorphous nickel molybdenum sulfide nanosheets for high-efficiency overall water splitting: libraries of lone pairs of electrons and in situ surface reconstitution. Nanoscale, 2022, 14, 1370-1379.	5.6	20
36	Construction of microspherical flower-like Zn3In2S6-BGQDs/AgBr S-scheme heterojunction for photocatalytic elimination of nitrofurazone and Cr (VI). Separation and Purification Technology, 2022, 299, 121563.	7.9	18

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37	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
38	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. Science of the Total Environment, 2022, 805, 150340.	8.0	16
39	In-situ generation of oxygen vacancies and Bi0 clusters on MoSe2/Bi@BiOBr-OV via Fermi inter-level electron transfer for efficient elimination of chlorotetracycline and Cr (VI). Separation and Purification Technology, 2022, 299, 121701.	7.9	16
40	Synchronous removal of tetracycline and copper (II) over Zâ€‘scheme BiVO4/rGO/g-C3N4 photocatalyst under visible-light irradiation. Environmental Science and Pollution Research, 2022, 29, 19148-19164.	5.3	14
41	3Dâ€Stretched Film Ni₃S₂ Nanosheet/Macromolecule Anthraquinone Derivative Polymers for Electrocatalytic Overall Water Splitting. Small, 2021, 17, e2101003.	10.0	13
42	Hydroxyl radical and carbonate radical facilitate chlortetracycline degradation in the bio-photoelectrochemical system with a bioanode and a Bi2O3/CuO photocathode using bicarbonate buffer. Chemosphere, 2022, 296, 134040.	8.2	11
43	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
44	CdS nanoparticles grown in situ on oxygen deficiency-rich WO_{3â^'x} nanosheets: direct Z-scheme heterojunction towards enhancing visible light-driven hydrogen evolution. CrystEngComm, 2020, 22, 5818-5827.	2.6	9
45	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
46	Chlortetracycline degradation performance and mechanism in the self-biased bio-photoelectrochemical system constructed with an oxygen-defect-rich BiVO4/Ni9S8 photoanode. Chemosphere, 2022, 295, 133787.	8.2	8
47	A novel ligand with â€“NH₂ and â€“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
48	Copper vacancy and C O bond facilitate the enhancement of oxygen reduction activity of three-dimensional flower-like Cu36NixPt45 nanospheres in microbial fuel cells. International Journal of Hydrogen Energy, 2021, , .	7.1	6
49	Microelectronic structure changes electron utilization: Core-shell structure catalysts with electron library and quantum dots for photocatalytic hydrogen production. Journal of Colloid and Interface Science, 2022, 623, 660-673.	9.4	6
50	Optimization of the overall water-splitting performance of N, S co-doped carbon-supported NiCoMnSxâ^'10 at high current densities by the introduction of sulfur defects and oxygen vacancies. CrystEngComm, 2020, 22, 6239-6248.	2.6	5
51	A new type of photoinduced Anion-Exchange Approach: MOF-Derived Cobalt-Based sulfide enables spatial separation of catalytic sites for efficient H2 photoproduction. Separation and Purification Technology, 2022, 294, 121200.	7.9	5
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