

Hongwen Yu

List of Publications by Year in descending order

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48
papers

2,467
citations

186265

28
h-index

206112

48
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48
all docs

48
docs citations

48
times ranked

3596
citing authors

#	ARTICLE	IF	CITATIONS
1	Petroleum Hydrocarbon-Degrading Bacteria for the Remediation of Oil Pollution Under Aerobic Conditions: A Perspective Analysis. <i>Frontiers in Microbiology</i> , 2018, 9, 2885.	3.5	384
2	In situ controllable synthesis of magnetic Prussian blue/graphene oxide nanocomposites for removal of radioactive cesium in water. <i>Journal of Materials Chemistry A</i> , 2014, 2, 326-332.	10.3	226
3	Synthesis of reduced graphene oxide/NiO nanocomposites for the removal of Cr(VI) from aqueous water by adsorption. <i>Microporous and Mesoporous Materials</i> , 2018, 255, 7-14.	4.4	132
4	Graphene oxide caged in cellulose microbeads for removal of malachite green dye from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2015, 437, 277-282.	9.4	115
5	Novel mesoporous TiO ₂ @g-C ₃ N ₄ hollow core@shell heterojunction with enhanced photocatalytic activity for water treatment and H ₂ production under simulated sunlight. <i>Journal of Hazardous Materials</i> , 2018, 353, 80-88.	12.4	102
6	Construction of flower-like MoS ₂ /Ag ₂ S/Ag Z-scheme photocatalysts with enhanced visible-light photocatalytic activity for water purification. <i>Science of the Total Environment</i> , 2019, 659, 20-32.	8.0	98
7	Fabrication of Z-scheme magnetic MoS ₂ /CoFe ₂ O ₄ nanocomposites with highly efficient photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 664-674.	9.4	82
8	Synthesis of Ag/BiVO ₄ /rGO composite with enhanced photocatalytic degradation of triclosan. <i>Science of the Total Environment</i> , 2019, 664, 230-239.	8.0	75
9	Characterization of Pb ²⁺ biosorption by psychrotrophic strain <i>Pseudomonas</i> sp. I3 isolated from permafrost soil of Mohe wetland in Northeast China. <i>Journal of Environmental Management</i> , 2017, 196, 8-15.	7.8	71
10	Self-assembled 3D cobalt phosphate octahydrate architecture for supercapacitor electrodes. <i>Materials Letters</i> , 2015, 152, 25-28.	2.6	70
11	Preparation and Application of a Xanthate-Modified Thiourea Chitosan Sponge for the Removal of Pb(II) from Aqueous Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4960-4968.	3.7	70
12	Comparative studies on Pb(II) biosorption with three spongy microbe-based biosorbents: High performance, selectivity and application. <i>Journal of Hazardous Materials</i> , 2019, 373, 39-49.	12.4	64
13	A novel adsorbent obtained by inserting carbon nanotubes into cavities of diatomite and applications for organic dye elimination from contaminated water. <i>Journal of Hazardous Materials</i> , 2010, 177, 138-145.	12.4	63
14	Hierarchical Fe ₃ O ₄ @MoS ₂ /Ag ₃ PO ₄ magnetic nanocomposites: Enhanced and stable photocatalytic performance for water purification under visible light irradiation. <i>Applied Surface Science</i> , 2016, 389, 227-239.	6.1	61
15	Development of novel assisting agents for the electrokinetic remediation of heavy metal-contaminated kaolin. <i>Electrochimica Acta</i> , 2016, 218, 140-148.	5.2	56
16	Simple Synthesis of Graphene Oxide Using Ultrasonic Cleaner from Expanded Graphite. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 17878-17883.	3.7	54
17	Enhanced Selective Adsorption of Pb(II) from Aqueous Solutions by One-Pot Synthesis of Xanthate-Modified Chitosan Sponge: Behaviors and Mechanisms. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 12222-12231.	3.7	50
18	Electrokinetic remediation of heavy metals contaminated kaolin by a CNT-covered polyethylene terephthalate yarn cathode. <i>Electrochimica Acta</i> , 2016, 213, 140-147.	5.2	47

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19	A novel Ag-BiOBr-rGO photocatalyst for enhanced ketoprofen degradation: Kinetics and mechanisms. <i>Science of the Total Environment</i> , 2019, 678, 173-180.	8.0	46
20	A self-assembled 3D Pt/TiO ₂ architecture for high-performance photocatalytic hydrogen production. <i>Nanoscale</i> , 2015, 7, 1610-1615.	5.6	44
21	The influence of macroelements on energy consumption during periodic power electrokinetic remediation of heavy metals contaminated black soil. <i>Electrochimica Acta</i> , 2017, 235, 604-612.	5.2	43
22	Degradation of bisphenol a using peroxymonosulfate activated by WO ₃ @MoS ₂ /Ag hollow nanotubes photocatalyst. <i>Chemosphere</i> , 2019, 227, 589-597.	8.2	43
23	Monodisperse Carbon Nanospheres with Hierarchical Porous Structure as Electrode Material for Supercapacitor. <i>Nanoscale Research Letters</i> , 2017, 12, 550.	5.7	40
24	Photocatalytical degradation of diclofenac by Ag-BiOI-rGO: Kinetics, mechanisms and pathways. <i>Chemosphere</i> , 2019, 218, 966-973.	8.2	36
25	Potential biodegradation of phenanthrene by isolated halotolerant bacterial strains from petroleum oil polluted soil in Yellow River Delta. <i>Science of the Total Environment</i> , 2019, 664, 1030-1038.	8.0	35
26	Synthesis of magnetic graphene oxide-titanate composites for efficient removal of Pb(II) from wastewater: Performance and mechanism. <i>Journal of Environmental Management</i> , 2020, 256, 109943.	7.8	34
27	A novel route to manufacture WO ₃ @MoS ₂ p-n heterostructure hollow tubes with enhanced photocatalytic activity. <i>Chemical Communications</i> , 2019, 55, 683-686.	4.1	33
28	High performance and prospective application of xanthate-modified thiourea chitosan sponge-combined <i>Pseudomonas putida</i> and <i>Talaromyces amestolkiae</i> biomass for Pb(II) removal from wastewater. <i>Bioresource Technology</i> , 2017, 233, 58-66.	9.6	32
29	MoS ₂ nanosheets encapsulating TiO ₂ hollow spheres with enhanced photocatalytic activity for nitrophenol reduction. <i>Materials Letters</i> , 2017, 209, 417-420.	2.6	25
30	Study of Homologous Elements: Fe, Co, and Ni Dopant Effects on the Photoreactivity of TiO ₂ Nanosheets. <i>ChemCatChem</i> , 2014, 6, 339-347.	3.7	22
31	Facile and Efficient Synthesis of Nitrogen-Functionalized Graphene Oxide as a Copper Adsorbent and Its Application. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 2328-2335.	3.7	22
32	Visual detection of the toxicity of wastewater containing heavy metal ions using a microbial fuel cell biosensor with a Prussian blue cathode. <i>Sensors and Actuators B: Chemical</i> , 2020, 302, 127177.	7.8	22
33	The design of 3D artificial leaves with spatially separated active sites for H ₂ and O ₂ generation and their application to water splitting. <i>Chemical Communications</i> , 2016, 52, 4080-4083.	4.1	21
34	Electrochemical removal of bisphenol A using a CNT-covered polyester yarn electrode. <i>Separation and Purification Technology</i> , 2013, 110, 81-85.	7.9	18
35	Colorimetric and Electrochemical Dual-Signal Method for Water Toxicity Detection Based on <i>Escherichia coli</i> and p-Benzoquinone. <i>ACS Sensors</i> , 2021, 6, 2674-2681.	7.8	18
36	Crumpled and flexible cotton-fiber-like TiO ₂ with Pt anchored and its notable photocatalytic activity facilitate by Schottky junction interface. <i>Materials Letters</i> , 2018, 221, 183-186.	2.6	17

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37	A facile approach for surface alteration of <i>Pseudomonas putida</i> I3 by supplying K ₂ SO ₄ into growth medium: Enhanced removal of Pb(II) from aqueous solution. <i>Bioresource Technology</i> , 2017, 232, 79-86.	9.6	16
38	One-pot synthesis of C-modified and N-doped TiO ₂ for enhanced visible-light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2022, 902, 163677.	5.5	13
39	Facile synthesis of recyclable Co ₃ O ₄ /Co(OH) ₂ /RGO ternary heterostructures with synergistic effect for photocatalysis. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	12
40	A facile approach of fabricating graphene-encapsulated ZnO microspheres and their synergic effect on photocatalytic performance. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	10
41	Hollow TiO ₂ @CdS nanosphere: Interface construction for spatial charge separation and higher charge transfer efficiency. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106211.	6.7	9
42	Mesoporous Layered Graphene Oxide/Fe ₃ O ₄ /C ₃ N ₃ S ₃ Polymer Hybrids for Rapid Removal of Pb ²⁺ and Cd ²⁺ from Water. <i>ACS Omega</i> , 2019, 4, 19683-19692.	3.5	8
43	An unexpected discovery of 1,4-benzoquinone as a lipophilic mediator for toxicity detection in water. <i>Analyst</i> , 2020, 145, 5266-5272.	3.5	8
44	Impacts of different freeze-thaw treatments on the adsorption and desorption behaviors of Cd in black soil. <i>Environmental Science and Pollution Research</i> , 2020, 27, 10990-10999.	5.3	6
45	Study on simplified strategies for procedure of rapid detection of water toxicity. <i>Talanta</i> , 2021, 235, 122787.	5.5	5
46	A simple synthesis of magnetic ammonium 12-molybdophosphate/graphene oxide nanocomposites for rapid separation of Cs ⁺ from water. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 955-966.	1.5	4
47	Fabrication of a Novel, Cost-Effective Double-Sided Indium Tin Oxide-Based Nanoribbon Electrode and Its Application of Acute Toxicity Detection in Water. <i>ACS Sensors</i> , 2020, 5, 3923-3929.	7.8	4
48	Enhanced photocatalytic activity of anatase by the rational modification of the {001} facets with Fe(ⁱⁱⁱ) ions. <i>New Journal of Chemistry</i> , 2020, 44, 1337-1345.	2.8	1