

Jing-Long Han

List of Publications by Year in descending order

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31
papers

1,336
citations

331259

21
h-index

433756

31
g-index

31
all docs

31
docs citations

31
times ranked

1424
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene Modified Electro-Fenton Catalytic Membrane for in Situ Degradation of Antibiotic Florfenicol. <i>Environmental Science & Technology</i> , 2018, 52, 9972-9982.	4.6	194
2	In-situ electrode fabrication from polyaniline derived N-doped carbon nanofibers for metal-free electro-Fenton degradation of organic contaminants. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117774.	10.8	129
3	Enhanced hydrogen production in microbial electrolysis cell with 3D self-assembly nickel foam-graphene cathode. <i>Biosensors and Bioelectronics</i> , 2016, 80, 118-122.	5.3	87
4	Adsorption enhanced photocatalytic degradation sulfadiazine antibiotic using porous carbon nitride nanosheets with carbon vacancies. <i>Chemical Engineering Journal</i> , 2020, 382, 123017.	6.6	83
5	Electrical selection for planktonic sludge microbial community function and assembly. <i>Water Research</i> , 2021, 206, 117744.	5.3	81
6	Deep Dehalogenation of Florfenicol Using Crystalline CoP Nanosheet Arrays on a Ti Plate via Direct Cathodic Reduction and Atomic H. <i>Environmental Science & Technology</i> , 2019, 53, 11932-11940.	4.6	67
7	Shielding membrane surface carboxyl groups by covalent-binding graphene oxide to improve anti-fouling property and the simultaneous promotion of flux. <i>Water Research</i> , 2016, 102, 619-628.	5.3	59
8	UV photolysis as an efficient pretreatment method for antibiotics decomposition and their antibacterial activity elimination. <i>Journal of Hazardous Materials</i> , 2020, 392, 122321.	6.5	54
9	Electrochemistry-stimulated environmental bioremediation: Development of applicable modular electrode and system scale-up. <i>Environmental Science and Ecotechnology</i> , 2020, 3, 100050.	6.7	53
10	A novel TiO ₂ /graphite felt photoanode assisted electro-Fenton catalytic membrane process for sequential degradation of antibiotic florfenicol and elimination of its antibacterial activity. <i>Chemical Engineering Journal</i> , 2020, 391, 123503.	6.6	48
11	Borate Inorganic Cross-Linked Durable Graphene Oxide Membrane Preparation and Membrane Fouling Control. <i>Environmental Science & Technology</i> , 2019, 53, 1501-1508.	4.6	37
12	Preparation of carboxylic multiwalled-carbon-nanotube-modified poly(m-phenylene isophthalamide) hollow fiber nanofiltration membranes with improved performance and application for dye removal. <i>Applied Surface Science</i> , 2018, 453, 502-512.	3.1	36
13	Sulfur autotrophic denitrification filter and heterotrophic denitrification filter: Comparison on denitrification performance, hydrodynamic characteristics and operating cost. <i>Environmental Research</i> , 2021, 197, 111029.	3.7	35
14	Micropollutant abatement by the UV/chloramine process in potable water reuse: A review. <i>Journal of Hazardous Materials</i> , 2022, 424, 127341.	6.5	35
15	Palladized cells as suspension catalyst and electrochemical catalyst for reductively degrading aromatics contaminants: Roles of Pd size and distribution. <i>Water Research</i> , 2017, 125, 288-297.	5.3	34
16	A2O-MBR as an efficient and profitable unconventional water treatment and reuse technology: A practical study in a green building residential community. <i>Resources, Conservation and Recycling</i> , 2019, 150, 104418.	5.3	32
17	Electroactive Biofilm Serving as the Green Synthesizer and Stabilizer for <i>in Situ</i> Fabricating 3D Nanopalladium Network: An Efficient Electrocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5392-5397.	3.2	29
18	Carbon nanotubes intercalated RGO electro-Fenton membrane for coenhanced permeability, rejection and catalytic oxidation of organic micropollutants. <i>Journal of Membrane Science</i> , 2021, 623, 119069.	4.1	29

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19	Corrugated stainless-steel mesh as a simple engineerable electrode module in bio-electrochemical system: Hydrodynamics and the effects on decolorization performance. <i>Journal of Hazardous Materials</i> , 2017, 338, 287-295.	6.5	28
20	Functional graphene oxide membrane preparation for organics/inorganic salts mixture separation aiming at advanced treatment of refractory wastewater. <i>Science of the Total Environment</i> , 2018, 628-629, 261-270.	3.9	27
21	Efficient treatment of azo dye containing wastewater in a hybrid acidogenic bioreactor stimulated by biocatalyzed electrolysis. <i>Journal of Environmental Sciences</i> , 2016, 39, 198-207.	3.2	25
22	Insights into palladium nanoparticles produced by <i>Shewanella oneidensis</i> MR-1: Roles of NADH dehydrogenases and hydrogenases. <i>Environmental Research</i> , 2020, 191, 110196.	3.7	17
23	Wire-drawing process with graphite lubricant as an industrializable approach to prepare graphite coated stainless-steel anode for bioelectrochemical systems. <i>Environmental Research</i> , 2020, 191, 110093.	3.7	16
24	<i>Shewanella oneidensis</i> MR-1 self-assembled Pd-cells-rGO conductive composite for enhancing electrocatalysis. <i>Environmental Research</i> , 2020, 184, 109317.	3.7	16
25	Perylene pigment wastewater treatment by fenton-enhanced biological process. <i>Environmental Research</i> , 2020, 186, 109522.	3.7	16
26	Evaluating the effect of fenton pretreated pyridine wastewater under different biological conditions: Microbial diversity and biotransformation pathways. <i>Journal of Environmental Management</i> , 2021, 287, 112297.	3.8	15
27	Influence of nitrate concentration on trichloroethylene reductive dechlorination in weak electric stimulation system. <i>Chemosphere</i> , 2022, 295, 133935.	4.2	15
28	Tuning the functional groups of a graphene oxide membrane by \dot{A} -OH contributes to the nearly complete prevention of membrane fouling. <i>Journal of Membrane Science</i> , 2019, 576, 190-197.	4.1	14
29	Effect of preferential UV photolysis on the source control of antibiotic resistome during subsequent biological treatment systems. <i>Journal of Hazardous Materials</i> , 2021, 414, 125484.	6.5	12
30	UV activation of the pi bond in pyridine for efficient pyridine degradation and mineralization by UV/H ₂ O ₂ treatment. <i>Chemosphere</i> , 2020, 258, 127208.	4.2	10
31	Metal single-atom-confined electrocatalysts to water oxidation: Development, innovation, and challenges. <i>Electrochemical Science Advances</i> , 2022, 2, e202100102.	1.2	3