

Dianxun Hou

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2736665/publications.pdf>

Version: 2024-02-01

25
papers

1,478
citations

394421

19
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1893
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of feed spacer induced membrane deformation on the performance of pressure retarded osmosis (PRO): Implications for PRO process operation. <i>Journal of Membrane Science</i> , 2013, 445, 170-182.	8.2	179
2	Hierarchical porous carbon prepared from biomass through a facile method for supercapacitor applications. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 338-344.	9.4	155
3	Gypsum scaling in pressure retarded osmosis: Experiments, mechanisms and implications. <i>Water Research</i> , 2014, 48, 387-395.	11.3	138
4	Nickel based catalysts for highly efficient H ₂ evolution from wastewater in microbial electrolysis cells. <i>Electrochimica Acta</i> , 2016, 206, 381-387.	5.2	102
5	Preparation of carbon-sensitized and Fe ²⁺ /Er codoped TiO ₂ with response surface methodology for bisphenol A photocatalytic degradation under visible-light irradiation. <i>Applied Catalysis B: Environmental</i> , 2012, 126, 121-133.	20.2	83
6	Nickel-Based Membrane Electrodes Enable High-Rate Electrochemical Ammonia Recovery. <i>Environmental Science & Technology</i> , 2018, 52, 8930-8938.	10.0	83
7	Microbial electrochemical nutrient recovery in anaerobic osmotic membrane bioreactors. <i>Water Research</i> , 2017, 114, 181-188.	11.3	81
8	Hydrophobic nanostructured wood membrane for thermally efficient distillation. <i>Science Advances</i> , 2019, 5, eaaw3203.	10.3	81
9	Microbial fuel cells and osmotic membrane bioreactors have mutual benefits for wastewater treatment and energy production. <i>Water Research</i> , 2016, 98, 183-189.	11.3	78
10	Active H ₂ Harvesting Prevents Methanogenesis in Microbial Electrolysis Cells. <i>Environmental Science and Technology Letters</i> , 2016, 3, 286-290.	8.7	70
11	Hydrophobic Gas Transfer Membranes for Wastewater Treatment and Resource Recovery. <i>Environmental Science & Technology</i> , 2019, 53, 11618-11635.	10.0	64
12	Electrochemical Control of Redox Potential Arrests Methanogenesis and Regulates Products in Mixed Culture Electro-Fermentation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8650-8658.	6.7	54
13	The Microbial Electrochemical Current Accelerates Urea Hydrolysis for Recovery of Nutrients from Source-Separated Urine. <i>Environmental Science and Technology Letters</i> , 2017, 4, 305-310.	8.7	50
14	Preparation, characterization and performance of a novel visible light responsive spherical activated carbon-supported and Er ³⁺ /YFeO ₃ -doped TiO ₂ photocatalyst. <i>Journal of Hazardous Materials</i> , 2012, 199-200, 301-308.	12.4	40
15	Evaluation of a submerged membrane bioreactor (SMBR) coupled with chlorine disinfection for municipal wastewater treatment and reuse. <i>Desalination</i> , 2013, 313, 134-139.	8.2	35
16	Energy-neutral sustainable nutrient recovery incorporated with the wastewater purification process in an enlarged microbial nutrient recovery cell. <i>Journal of Power Sources</i> , 2018, 384, 160-164.	7.8	29
17	Efficient ammonia recovery from wastewater using electrically conducting gas stripping membranes. <i>Environmental Science: Nano</i> , 2020, 7, 1759-1771.	4.3	29
18	Microbial electrochemical treatment of biorefinery black liquor and resource recovery. <i>Green Chemistry</i> , 2019, 21, 1258-1266.	9.0	28

#	ARTICLE	IF	CITATIONS
19	Shipboard bilge water treatment by electrocoagulation powered by microbial fuel cells. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	21
20	A conductive wood membrane anode improves effluent quality of microbial fuel cells. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 940-946.	2.4	19
21	Anaerobic membrane gas extraction facilitates thermophilic hydrogen production from <i>Clostridium thermocellum</i> . <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1771-1782.	2.4	19
22	Enhanced aerobic granulation, stabilization, and nitrification in a continuous-flow bioreactor by inoculating biofilms. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5737-5745.	3.6	18
23	Hierarchical porous carbon derived from <i>Allium cepa</i> for supercapacitors through direct carbonization method with the assist of calcium acetate. <i>Chinese Chemical Letters</i> , 2017, 28, 2295-2297.	9.0	14
24	Simultaneous removal of multi-pollutants in an intimate integrated flocculation-adsorption fluidized bed. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3794-3802.	5.3	6
25	Permeability is the Critical Factor Governing the Life Cycle Environmental Performance of Drinking Water Treatment Using Living Filtration Membranes. <i>Environmental Science & Technology</i> , 2020, 54, 7651-7658.	10.0	2