

Hong Cheng

List of Publications by Year in descending order

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papers

483
citations

759233

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24
times ranked

743
citing authors

#	ARTICLE	IF	CITATIONS
1	The potential of electrothrophic denitrification coupled with sulfur recycle in MFC and its responses to COD/SO ₄ ²⁻ ratios. <i>Chemosphere</i> , 2022, 287, 132149.	8.2	5
2	Selection and synthesization of multi-“carbon source composites to enhance simultaneous nitrification-“denitrification in treating low C/N wastewater. <i>Chemosphere</i> , 2022, 288, 132567.	8.2	13
3	Optimization of Spray-Drying Process Parameters to Study Anti-Sticking Effect of Hydroxypropyl Methyl Cellulose-VLV on Corni fructus Extracts. <i>AAPS PharmSciTech</i> , 2022, 23, 58.	3.3	4
4	The use of UV/H ₂ O ₂ to facilitate removal of emerging contaminants in anaerobic membrane bioreactor effluents. <i>Environmental Research</i> , 2021, 198, 110479.	7.5	23
5	A type dependent effect of treated wastewater matrix on seed germination and food production. <i>Science of the Total Environment</i> , 2021, 769, 144573.	8.0	12
6	Attached-growth configuration outperforms continuously stirred tank anaerobic membrane bioreactors in alleviating membrane biofouling. <i>Environmental Research</i> , 2021, 199, 111272.	7.5	12
7	UV and bacteriophages as a chemical-free approach for cleaning membranes from anaerobic bioreactors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	11
8	Nanoparticles applied in membrane bioreactors: potential impact on reactor performance and microbial communities. , 2020, , 207-236.		5
9	Identification and characterization of core sludge and biofilm microbiota in anaerobic membrane bioreactors. <i>Environment International</i> , 2019, 133, 105165.	10.0	40
10	Rapid Size-Based Protein Discrimination inside Hybrid Isoporous Membranes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8507-8516.	8.0	28
11	Understanding the antifouling mechanisms related to copper oxide and zinc oxide nanoparticles in anaerobic membrane bioreactors. <i>Environmental Science: Nano</i> , 2019, 6, 3467-3479.	4.3	14
12	A DNA-mimic contact-active functional group for antifouling ultrafiltration membranes. <i>Chemosphere</i> , 2019, 216, 669-676.	8.2	1
13	An Increase of Abundance and Transcriptional Activity for <i>Acinetobacter junii</i> Post Wastewater Treatment. <i>Water (Switzerland)</i> , 2018, 10, 436.	2.7	16
14	Removal of Antibiotic-Resistant Bacteria and Antibiotic Resistance Genes Affected by Varying Degrees of Fouling on Anaerobic Microfiltration Membranes. <i>Environmental Science & Technology</i> , 2017, 51, 12200-12209.	10.0	95
15	Application of hierarchical oligonucleotide primer extension (HOPE) to assess relative abundances of ammonia- and nitrite-oxidizing bacteria. <i>BMC Microbiology</i> , 2017, 17, 85.	3.3	15
16	Hollow fiber membrane lumen modified by polyzwitterionic grafting. <i>Journal of Membrane Science</i> , 2017, 522, 1-11.	8.2	38
17	Synthesis of highly porous poly(tert-butyl acrylate)-b-polysulfone-b-poly(tert-butyl acrylate) asymmetric membranes. <i>Polymer Chemistry</i> , 2016, 7, 3076-3089.	3.9	28
18	In situ growth of biocidal AgCl crystals in the top layer of asymmetric polytriazole membranes. <i>RSC Advances</i> , 2016, 6, 46696-46701.	3.6	11

#	ARTICLE	IF	CITATIONS
19	Antibiofilm effect enhanced by modification of 1,2,3-triazole and palladium nanoparticles on polysulfone membranes. Scientific Reports, 2016, 6, 24289.	3.3	21
20	TRIP: An interactive retrieving-inferring data imputation approach. , 2016, , .		2
21	Hydroxyl Functionalized Polytriazole- <i>co</i> -polyoxadiazole as Substrates for Forward Osmosis Membranes. ACS Applied Materials & Interfaces, 2015, 7, 3960-3973.	8.0	88
22	Research on Geometric Error Compensating Technique of CNC P3G Grinding Machine. Advanced Materials Research, 2012, 462, 287-294.	0.3	1
23	Understanding microbial assembly on seawater reverse osmosis membranes to facilitate evaluation of seawater pretreatment options. , 0, 170, 1-10.		0