Sheng Chang

List of Publications by Year
in descending order

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29	1,031	489802	620720
papers	citations	18	26
		h-index	g-index

29	29	29	1299
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancing temperature-phased biological hydrolysis for methane generation by the optimization of biological hydrolysis time, inoculum, and sludge bypass. Biochemical Engineering Journal, 2022, 180, 108363.	1.8	4
2	Unveiling performance stability and its recovery mechanisms of one-stage partial nitritation-anammox process with airlift enhanced micro-granules. Bioresource Technology, 2021, 330, 124961.	4.8	46
3	Linkage among the combined temperatureâ€"retention time condition, microbial interaction, community structure, and process performance in the hydrolysis of waste activated sludge. Bioresource Technology, 2021, 331, 125029.	4.8	17
4	Treatment of Effluent of Upflow Anaerobic Sludge Blanket Bioreactor for Water Reuse. Water (Switzerland), 2021, 13, 2123.	1.2	1
5	Anaerobic treatment of glutamate-rich wastewater in a continuous UASB reactor: Effect of hydraulic retention time and methanogenic degradation pathway. Chemosphere, 2020, 245, 125672.	4.2	44
6	Dissecting methanogenesis for temperature-phased anaerobic digestion: Impact of temperature on community structure, correlation, and fate of methanogens. Bioresource Technology, 2020, 306, 123104.	4.8	30
7	Thermal Hydrolysis to Enhance Anaerobic Digestion Performance of Wastewater Sludge. Current Pollution Reports, 2020, 6, 452-467.	3.1	14
8	Impacts of Temperature and Solids Retention Time, and Possible Mechanisms of Biological Hydrolysis Pretreatment on Anaerobic Digestion. Water (Switzerland), 2020, 12, 3166.	1.2	4
9	Disentangling Community Structure of Ecological System in Activated Sludge: Core Communities, Functionality, and Functional Redundancy. Microbial Ecology, 2020, 80, 296-308.	1.4	30
10	Biochemical Methane Potential (BMP) Assay Method for Anaerobic Digestion Research. Water (Switzerland), 2019, 11, 921.	1.2	190
11	Temperature-Phased Biological Hydrolysis and Thermal Hydrolysis Pretreatment for Anaerobic Digestion Performance Enhancement. Water (Switzerland), 2018, 10, 1812.	1.2	20
12	Sludge Biological Hydrolysis: Effect of Temperature on Hydrolysis Performance and Microbiological Community Structure. Proceedings of the Water Environment Federation, 2018, 2018, 419-430.	0.0	0
13	Tetra-detector size exclusion chromatography characterization of molecular and solution properties of soluble microbial polysaccharides from an anaerobic membrane bioreactor. Frontiers of Environmental Science and Engineering, 2017, 11, 1.	3.3	12
14	Biological hydrolysis pretreatment on secondary sludge: Enhancement of anaerobic digestion and mechanism study. Bioresource Technology, 2017, 244, 989-995.	4.8	76
15	Impact of temperatures on microbial community structures of sewage sludge biological hydrolysis. Bioresource Technology, 2017, 245, 502-510.	4.8	79
16	Suspended or Granular Sludge? A comparison on two Anaerobic MBR Pilot Performances. Proceedings of the Water Environment Federation, 2017, 2017, 2620-2630.	0.0	0
17	Temperature Phased Biological Hydrolysis (TPBH) to Enhance Energy Recovery from Combined Wastewater Sludge. Proceedings of the Water Environment Federation, 2017, 2017, 5676-5683.	0.0	0
18	Brewery wastewater treatment using an anaerobic membrane bioreactor. Biochemical Engineering Journal, 2016, 105, 321-331.	1.8	93

#	Article	IF	Citations
19	Characterization of the proton binding sites of extracellular polymeric substances in an anaerobic membrane bioreactor. Water Research, 2015, 78, 133-143.	5.3	22
20	Optimization of Anaerobic Membrane Bioreactor Operation for Brewery Wastewater Treatment. Proceedings of the Water Environment Federation, 2015, 2015, 954-964.	0.0	2
21	Filtration Behaviour and Fouling Mechanisms of Polysaccharides. Membranes, 2014, 4, 319-332.	1.4	14
22	Anaerobic Membrane Bioreactors (AnMBR) for Wastewater Treatment. Advances in Chemical Engineering and Science, 2014, 04, 56-61.	0.2	47
23	Application of submerged hollow fiber membrane in membrane bioreactors: Filtration principles, operation, and membrane fouling. Desalination, 2011, 283, 31-39.	4.0	43
24	Observation of flow characteristics in a hollow fiber lumen using non-invasive X-ray microimaging (XMI). Journal of Membrane Science, 2007, 304, 181-189.	4.1	22
25	Assessment of Trace Estrogenic Contaminants Removal by Coagulant Addition, Powdered Activated Carbon Adsorption and Powdered Activated Carbon/Microfiltration Processes. Journal of Environmental Engineering, ASCE, 2004, 130, 736-742.	0.7	30
26	Adsorption of the Endocrine-Active Compound Estrone on Microfiltration Hollow Fiber Membranes. Environmental Science & Technology, 2003, 37, 3158-3163.	4.6	48
27	Filtration of biomass with laboratory-scale submerged hollow fibre modules - effect of operating conditions and module configuration. Journal of Chemical Technology and Biotechnology, 2002, 77, 1030-1038.	1.6	37
28	Submerged hollow fibre membrane module â€" design options and operational considerations. Desalination, 2002, 146, 231-236.	4.0	71
29	Characteristics of microfiltration of suspensions with inter-fiber two-phase flow. Journal of Chemical Technology and Biotechnology, 2000, 75, 533-540.	1.6	35