

Lu-Man Jiang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Sulfate removal by Mg-Al layered double hydroxide precipitates: Mechanism, settleability, techno-economic analysis and recycling as demulsifier. <i>Journal of Cleaner Production</i> , 2020, 242, 118503.	9.3	9
2	Understanding mechanisms of sludge in situ reduction in anaerobic side-stream reactor coupled membrane bioreactors packed with carriers at different filling fractions. <i>Bioresource Technology</i> , 2020, 316, 123925.	9.6	16
3	Fouling characterization and aeration performance recovery of fine-pore diffusers operated for 10 years in a full-scale wastewater treatment plant. <i>Bioresource Technology</i> , 2020, 307, 123197.	9.6	8
4	A two-stage desalination process for zero liquid discharge of flue gas desulfurization wastewater by chloride precipitation. <i>Journal of Hazardous Materials</i> , 2020, 397, 122744.	12.4	47
5	Comparison on treatment strategy for chemical cleaning wastewater: Pollutants removal, process design and techno-economic analysis. <i>Journal of Environmental Management</i> , 2019, 235, 161-168.	7.8	11
6	Insight into the roles of packing carriers and ultrasonication in anaerobic side-stream reactor coupled membrane bioreactors: Sludge reduction performance and mechanism. <i>Water Research</i> , 2019, 155, 310-319.	11.3	74
7	A novel sulfate removal process by ettringite precipitation with aluminum recovery: Kinetics and a pilot-scale study. <i>Journal of Hazardous Materials</i> , 2019, 365, 572-580.	12.4	42
8	Correlation of microbial community structure with pollutants removal, sludge reduction and sludge characteristics in micro-aerobic side-stream reactor coupled membrane bioreactors under different hydraulic retention times. <i>Bioresource Technology</i> , 2018, 260, 177-185.	9.6	52
9	Sludge reduction and microbial structures of aerobic, micro-aerobic and anaerobic side-stream reactor coupled membrane bioreactors. <i>Bioresource Technology</i> , 2018, 268, 36-44.	9.6	38
10	Effects of hydraulic retention time on process performance of anaerobic side-stream reactor coupled membrane bioreactors: Kinetic model, sludge reduction mechanism and microbial community structures. <i>Bioresource Technology</i> , 2018, 267, 218-226.	9.6	41
11	Sludge reduction by a micro-aerobic hydrolysis process: A full-scale application and sludge reduction mechanisms. <i>Bioresource Technology</i> , 2018, 268, 684-691.	9.6	33
12	Reusing effluent of flue gas desulfurization wastewater treatment process as an economical calcium source for phosphorus removal. <i>Water Science and Technology</i> , 2017, 76, 1429-1435.	2.5	9
13	Sulfate removal from wastewater using ettringite precipitation: Magnesium ion inhibition and process optimization. <i>Journal of Environmental Management</i> , 2017, 196, 518-526.	7.8	73
14	Modelling oxygen transfer using dynamic alpha factors. <i>Water Research</i> , 2017, 124, 139-148.	11.3	34
15	Co-treatment of reject water from sludge dewatering and supernatant from sludge lime stabilization process for nutrient removal: A cost-effective approach. <i>Separation and Purification Technology</i> , 2017, 172, 357-365.	7.9	29
16	Using dynamic alpha factors for oxygen transfer optimization in WRRFs. <i>Proceedings of the Water Environment Federation</i> , 2017, 2017, 298-303.	0.0	0
17	Effects of dissolved oxygen on performance and microbial community structure in a micro-aerobic hydrolysis sludge in situ reduction process. <i>Water Research</i> , 2016, 90, 369-377.	11.3	117
18	Optimization of phosphorus removal from reject water of sludge thickening and dewatering process through struvite precipitation. <i>Desalination and Water Treatment</i> , 2016, 57, 15515-15523.	1.0	11

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19	A cost-effective method for the treatment of reject water from sludge dewatering process using supernatant from sludge lime stabilization. <i>Separation and Purification Technology</i> , 2015, 142, 123-128.	7.9	28
20	Effect of humic substances on phosphorus removal by struvite precipitation. <i>Chemosphere</i> , 2015, 141, 94-99.	8.2	90
21	Effects of alkalinity on membrane bioreactors for reject water treatment: Performance improvement, fouling mitigation and microbial structures. <i>Bioresource Technology</i> , 2015, 197, 217-226.	9.6	40
22	Phosphonate removal from discharged circulating cooling water using iron-carbon micro-electrolysis. <i>Water Science and Technology</i> , 2014, 70, 524-532.	2.5	22