

Hale Ozgun

List of Publications by Year in descending order

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52
papers

2,316
citations

304368

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223531

46
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docs citations

53
times ranked

2136
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of anaerobic membrane bioreactors for municipal wastewater treatment: Integration options, limitations and expectations. <i>Separation and Purification Technology</i> , 2013, 118, 89-104.	3.9	315
2	A review on dynamic membrane filtration: Materials, applications and future perspectives. <i>Bioresource Technology</i> , 2012, 122, 196-206.	4.8	305
3	Potentials of anaerobic membrane bioreactors to overcome treatment limitations induced by industrial wastewaters. <i>Bioresource Technology</i> , 2012, 122, 160-170.	4.8	217
4	Applicability of dynamic membrane technology in anaerobic membrane bioreactors. <i>Water Research</i> , 2014, 48, 420-429.	5.3	130
5	Towards sustainable and energy efficient municipal wastewater treatment by up-concentration of organics. <i>Progress in Energy and Combustion Science</i> , 2019, 70, 145-168.	15.8	103
6	Impact of anaerobic dynamic membrane bioreactor configuration on treatment and filterability performance. <i>Journal of Membrane Science</i> , 2017, 526, 387-394.	4.1	96
7	Impact of temperature on feed-flow characteristics and filtration performance of an upflow anaerobic sludge blanket coupled ultrafiltration membrane treating municipal wastewater. <i>Water Research</i> , 2015, 83, 71-83.	5.3	76
8	The design and realization of a new high speed FPGA-based chaotic true random number generator. <i>Computers and Electrical Engineering</i> , 2017, 58, 203-214.	3.0	74
9	Biogas productivity of anaerobic digestion process is governed by a core bacterial microbiota. <i>Chemical Engineering Journal</i> , 2020, 380, 122425.	6.6	73
10	Performance evaluation of a submerged membrane bioreactor for the treatment of brackish oil and natural gas field produced water. <i>Desalination</i> , 2012, 285, 295-300.	4.0	71
11	Characteristics and role of dynamic membrane layer in anaerobic membrane bioreactors. <i>Biotechnology and Bioengineering</i> , 2016, 113, 761-771.	1.7	61
12	Impact of membrane addition for effluent extraction on the performance and sludge characteristics of upflow anaerobic sludge blanket reactors treating municipal wastewater. <i>Journal of Membrane Science</i> , 2015, 479, 95-104.	4.1	59
13	Pilot and full-scale applications of membrane processes for textile wastewater treatment: A critical review. <i>Journal of Water Process Engineering</i> , 2021, 42, 102172.	2.6	58
14	Gas-lift anaerobic dynamic membrane bioreactors for high strength synthetic wastewater treatment: Effect of biogas sparging velocity and HRT on treatment performance. <i>Chemical Engineering Journal</i> , 2016, 305, 46-53.	6.6	48
15	Applicability of Anaerobic Digestion Model No. 1 (ADM1) for a specific industrial wastewater: Opium alkaloid effluents. <i>Chemical Engineering Journal</i> , 2010, 165, 89-94.	6.6	44
16	Effects of the pre-treatment alternatives on the treatment of oil&gas field produced water by nanofiltration and reverse osmosis membranes. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1576-1583.	1.6	38
17	Effect of Support Material Properties on Dynamic Membrane Filtration Performance. <i>Separation Science and Technology</i> , 2013, 48, 2263-2269.	1.3	36
18	Energy recovery potential of anaerobic digestion of excess sludge from high-rate activated sludge systems co-treating municipal wastewater and food waste. <i>Energy</i> , 2019, 172, 1027-1036.	4.5	35

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19	A new approach for chemical oxygen demand (COD) measurement at high salinity and low organic matter samples. <i>Environmental Science and Pollution Research</i> , 2010, 17, 1547-1552.	2.7	30
20	Anaerobic Digestion Model No. 1 (ADM1) for mathematical modeling of full-scale sludge digester performance in a municipal wastewater treatment plant. <i>Biodegradation</i> , 2019, 30, 27-36.	1.5	28
21	High-rate activated sludge processes for municipal wastewater treatment: the effect of food waste addition and hydraulic limits of the system. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1770-1780.	2.7	26
22	Effect of Hydraulic Retention Time on the Performance of High-Rate Activated Sludge System: a Pilot-Scale Study. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	25
23	Comparative evaluation of ultrafiltration and dynamic membranes in an aerobic membrane bioreactor for municipal wastewater treatment. <i>Environmental Science and Pollution Research</i> , 2019, 26, 32723-32733.	2.7	25
24	Anaerobic membrane bioreactors for sludge digestion: Current status and future perspectives. <i>Critical Reviews in Environmental Science and Technology</i> , 0, , 1-39.	6.6	23
25	Comparative evaluation of cost for preliminary and tertiary municipal wastewater treatment plants in Istanbul. <i>Science of the Total Environment</i> , 2021, 778, 146258.	3.9	23
26	Confectionery industry: a case study on treatability-based effluent characterization and treatment system performance. <i>Water Science and Technology</i> , 2012, 66, 15-20.	1.2	21
27	Comparative Evaluation for Characterization of Produced Water Generated from Oil, Gas, and Oil-Gas Production Fields. <i>Clean - Soil, Air, Water</i> , 2013, 41, 1175-1182.	0.7	21
28	Treatment of produced water originated from oil and gas production wells: a pilot study and cost analysis. <i>Environmental Science and Pollution Research</i> , 2018, 25, 6398-6406.	2.7	21
29	Influence of powdered and granular activated carbon system as a pre-treatment alternative for membrane filtration of produced water. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 283-291.	1.6	20
30	Anaerobic Treatment of Industrial Effluents: An Overview of Applications. , 0, , .		19
31	Source Based Characterization and Pollution Profile of a Baker's Yeast Industry. <i>Clean - Soil, Air, Water</i> , 2011, 39, 543-548.	0.7	19
32	Effect of upflow velocity on the effluent membrane fouling potential in membrane coupled upflow anaerobic sludge blanket reactors. <i>Bioresource Technology</i> , 2013, 147, 285-292.	4.8	19
33	Impact of salinity on the population dynamics of microorganisms in a membrane bioreactor treating produced water. <i>Science of the Total Environment</i> , 2019, 646, 1080-1089.	3.9	18
34	Adaptive neuro-fuzzy inference-based modeling of a full-scale expanded granular sludge bed reactor treating corn processing wastewater. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015, 28, 1601-1616.	0.8	17
35	Impact of seed sludge characteristics on granulation and performance of aerobic granular sludge process. <i>Journal of Cleaner Production</i> , 2022, 363, 132424.	4.6	17
36	Comparative evaluation of the sludge characteristics along the height of upflow anaerobic sludge blanket coupled ultrafiltration systems. <i>Biomass and Bioenergy</i> , 2019, 125, 114-122.	2.9	12

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37	Impact of support material type on performance of dynamic membrane bioreactors treating municipal wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2437-2446.	1.6	12
38	Removal of micropollutants from municipal wastewater by membrane bioreactors: Conventional membrane versus dynamic membrane. <i>Journal of Environmental Management</i> , 2022, 303, 114233.	3.8	12
39	Nanomaterials in membrane bioreactors: Recent progresses, challenges, and potentials. <i>Chemosphere</i> , 2022, 302, 134930.	4.2	10
40	Dynamic membrane bioreactor performance for treatment of municipal wastewaters at different sludge concentrations. <i>Environmental Technology and Innovation</i> , 2021, 22, 101452.	3.0	8
41	Impact of primary sedimentation on granulation and treatment performance of municipal wastewater by aerobic granular sludge process. <i>Journal of Environmental Management</i> , 2022, 315, 115191.	3.8	8
42	Impact of vibration on treatment and filtration performance of membrane bioreactors treating municipal wastewater. , 0, 99, 177-184.		7
43	Impact of Magnetically Induced Vibration on the Performance of Pilot-Scale Membrane Bioreactor. <i>Journal of Environmental Engineering, ASCE</i> , 2020, 146, 04020001.	0.7	6
44	Impact of different inoculum sources on the performance of membrane bioreactors for municipal wastewater treatment: Dynamic membrane versus ultrafiltration membrane. <i>Journal of Water Process Engineering</i> , 2022, 46, 102549.	2.6	6
45	Cost analysis of large scale membrane treatment systems for potable water treatment. <i>Desalination and Water Treatment</i> , 2011, 26, 172-177.	1.0	5
46	Determination of optimum operational conditions for the removal of 2-MIB from drinking water by peroxone process: a pilot-scale study. <i>Water Science and Technology: Water Supply</i> , 2020, 20, 2339-2347.	1.0	5
47	Removal of Taste and Odor Causing Compounds from Drinking Water Sources by Peroxone Process: Laboratory and Pilot Scale Studies. <i>Ozone: Science and Engineering</i> , 2021, 43, 527-537.	1.4	5
48	Primary and A-sludge treatment by anaerobic membrane bioreactors in view of energy-positive wastewater treatment plants. <i>Bioresource Technology</i> , 2022, 351, 126965.	4.8	5
49	Energy self-sufficiency in wastewater treatment plants: perspectives, challenges, and opportunities. , 2022, , 105-122.		2
50	Applications of Ceramic Membrane Bioreactors in Water Treatment. , 2020, , 141-176.		1
51	Impact of module design on the performance of membrane bioreactors treating municipal wastewater. <i>Separation Science and Technology</i> , 2016, 51, 836-844.	1.3	0
52	Effects of Operating Parameters on Direct Greenhouse Gas Emission in Advanced Biological Wastewater Treatment Plants. <i>Pamukkale University Journal of Engineering Sciences</i> , 2018, 24, 1117-1124.	0.2	0