R Kaan Dereli

List of Publications by Year
in descending order

41 papers	1,591 citations	430874 18 h-index	345221 36 g-index
44 all docs	44 docs citations	44 times ranked	1690 citing authors

#	Article	IF	Citations
1	A review of anaerobic membrane bioreactors for municipal wastewater treatment: Integration options, limitations and expectations. Separation and Purification Technology, 2013, 118, 89-104.	7.9	315
2	A review on dynamic membrane filtration: Materials, applications and future perspectives. Bioresource Technology, 2012, 122, 196-206.	9.6	305
3	Potentials of anaerobic membrane bioreactors to overcome treatment limitations induced by industrial wastewaters. Bioresource Technology, 2012, 122, 160-170.	9.6	217
4	Towards sustainable and energy efficient municipal wastewater treatment by up-concentration of organics. Progress in Energy and Combustion Science, 2019, 70, 145-168.	31.2	103
5	Effect of sludge retention time on the biological performance of anaerobic membrane bioreactors treating corn-to-ethanol thin stillage with high lipid content. Water Research, 2014, 49, 453-464.	11.3	66
6	Implications of changes in solids retention time on long term evolution of sludge filterability in anaerobic membrane bioreactors treating high strength industrial wastewater. Water Research, 2014, 59, 11-22.	11.3	49
7	Applicability of Anaerobic Digestion Model No. 1 (ADM1) for a specific industrial wastewater: Opium alkaloid effluents. Chemical Engineering Journal, 2010, 165, 89-94.	12.7	44
8	Treatment of cheese whey by a cross-flow anaerobic membrane bioreactor: Biological and filtration performance. Environmental Research, 2019, 168, 109-117.	7.5	41
9	Influence of high lipid containing wastewater on filtration performance and fouling in AnMBRs operated at different solids retention times. Separation and Purification Technology, 2015, 139, 43-52.	7.9	39
10	Energy recovery potential of anaerobic digestion of excess sludge from high-rate activated sludge systems co-treating municipal wastewater and food waste. Energy, 2019, 172, 1027-1036.	8.8	35
11	Co-digestion of the organic fraction of municipal solid waste with primary sludge at a municipal wastewater treatment plant in Turkey. Waste Management and Research, 2010, 28, 404-410.	3.9	28
12	Co-treatment of leachate in municipal wastewater treatment plants: Critical issues and emerging technologies. Critical Reviews in Environmental Science and Technology, 2021, 51, 1079-1128.	12.8	27
13	High-rate activated sludge processes for municipal wastewater treatment: the effect of food waste addition and hydraulic limits of the system. Environmental Science and Pollution Research, 2019, 26, 1770-1780.	5.3	26
14	Effect of Hydraulic Retention Time on the Performance of High-Rate Activated Sludge System: a Pilot-Scale Study. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	25
15	Anaerobic membrane bioreactors for sludge digestion: Current status and future perspectives. Critical Reviews in Environmental Science and Technology, 0, , 1-39.	12.8	23
16	Long term performance of a pilot scale anaerobic membrane bioreactor treating beet molasses based industrial wastewater. Journal of Environmental Management, 2021, 278, 111403.	7.8	22
17	Biomethane Production as an Alternative Bioenergy Source from Codigesters Treating Municipal Sludge and Organic Fraction of Municipal Solid Wastes. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-8.	3.0	21
18	Confectionery industry: a case study on treatability-based effluent characterization and treatment system performance. Water Science and Technology, 2012, 66, 15-20.	2.5	21

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19	Performance evaluation of a pilot-scale anaerobic membrane bioreactor (AnMBR) treating ethanol thin stillage. Environmental Technology (United Kingdom), 2012, 33, 1511-1516.	2.2	20
20	Anaerobic Treatment of Industrial Effluents: An Overview of Applications. , 0, , .		19
21	Source Based Characterization and Pollution Profile of a Baker's Yeast Industry. Clean - Soil, Air, Water, 2011, 39, 543-548.	1.1	19
22	Biological performance and sludge filterability of anaerobic membrane bioreactors under nitrogen limited and supplied conditions. Water Research, 2018, 137, 164-172.	11.3	19
23	Model Based Evaluation for the Anaerobic Treatment of Corn Processing Wastewaters. Clean - Soil, Air, Water, 2007, 35, 576-581.	1.1	17
24	Adaptive neuro-fuzzy inference-based modeling of a full-scale expanded granular sludge bed reactor treating corn processing wastewater. Journal of Intelligent and Fuzzy Systems, 2015, 28, 1601-1616.	1.4	17
25	A systematic study on the effect of substrate acidification degree and acidogenic biomass on sludge filterability. Water Research, 2015, 82, 94-103.	11.3	13
26	Long-term anaerobic treatability studies on opium alkaloids industry effluents. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2010, 45, 192-200.	1.7	11
27	Benchmarking leachate co-treatment strategies in municipal wastewater treatment plants under dynamic conditions and energy prices. Journal of Environmental Management, 2020, 260, 110129.	7.8	11
28	The feasibility of a centralized biogas plant treating the manure produced by an organized animal farmers union in Turkey. Water Science and Technology, 2012, 66, 556-563.	2.5	9
29	Predicting wastewater treatment plant performance during aeration demand shifting with a dual-layer reaction settling model. Water Science and Technology, 2020, 81, 1365-1374.	2.5	9
30	Modeling long-term performance of full-scale anaerobic expanded granular sludge bed reactor treating confectionery industry wastewater. Environmental Science and Pollution Research, 2019, 26, 25037-25045.	5.3	8
31	Comparative assessment of modeling and experimental data of ammonia removal from pre-digested chicken manure. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2020, 55, 1333-1338.	1.7	2
32	Demand response through reject water scheduling in water resource recovery facilities: A demonstration with BSM2. Water Research, 2021, 188, 116516.	11.3	2
33	Evaporasyon Prosesinin Maya EndÃ¼strisi AtÄ±ksu Karakterizasyonu Ve ArÄ±tÄ±labilirliÄŸine Etkisi. Deu Muhendislik Fakultesi Fen Ve Muhendislik, 2017, 19, 389-398.	0.2	2
34	Performances of Anaerobic Membrane Bioreactors Treating Thin Stillage from Bioethanol Plants at Different Sludge Retention Times. Procedia Engineering, 2012, 44, 776-779.	1.2	1
35	Modeling Co-treatment of Leachate in Municipal Wastewater Treatment Plants in the Context of Dynamic Loads and Energy Prices. Advances in Science, Technology and Innovation, 2020, , 493-496.	0.4	1
36	Mathematical Modelling of a Full Scale Advanced Biological Municipal Wastewater Treatment Plant. Ã‡ukurova Ãœniversitesi MÃ¼hendislik-MimarlÄ±k FakÃ¼ltesi Dergisi, 2018, 33, 213-224.	0.1	1

#	Article	IF	Citations
37	Dynamic modeling of a full-scale membrane bioreactor performance for landfill leachate treatment. Bioprocess and Biosystems Engineering, 2022, 45, 345-352.	3.4	1
38	Water resource recovery facilities as potential energy generation units and their dynamic economic dispatch. Applied Energy, 2022, 318, 119199.	10.1	1
39	AtÄ±ksu ArÄ±tma Tesislerinde Enerji VerimliliÄŸinin Ä°ncelenmesi. Journal of Natural and Applied Sciences, 2017, 21, 380.	0.4	0
40	Factors Affecting Fouling in Membrane Bioreactors Treating Leachate and Fouling Control. Afyon Kocatepe University Journal of Sciences and Engineering, 2017, 17, 571-579.	0.2	0
41	Effects of Operating Parameters on Direct Greenhouse Gas Emission in Advanced Biological Wastewater Treatment Plants. Pamukkale University Journal of Engineering Sciences, 2018, 24, 1117-1124.	0.4	0