

R Kaan Dereli

List of Publications by Year in descending order

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Version: 2024-02-01

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	Dynamic modeling of a full-scale membrane bioreactor performance for landfill leachate treatment. <i>Bioprocess and Biosystems Engineering</i> , 2022, 45, 345-352.	3.4	1
2	Water resource recovery facilities as potential energy generation units and their dynamic economic dispatch. <i>Applied Energy</i> , 2022, 318, 119199.	10.1	1
3	Co-treatment of leachate in municipal wastewater treatment plants: Critical issues and emerging technologies. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 1079-1128.	12.8	27
4	Long term performance of a pilot scale anaerobic membrane bioreactor treating beet molasses based industrial wastewater. <i>Journal of Environmental Management</i> , 2021, 278, 111403.	7.8	22
5	Demand response through reject water scheduling in water resource recovery facilities: A demonstration with BSM2. <i>Water Research</i> , 2021, 188, 116516.	11.3	2
6	Predicting wastewater treatment plant performance during aeration demand shifting with a dual-layer reaction settling model. <i>Water Science and Technology</i> , 2020, 81, 1365-1374.	2.5	9
7	Comparative assessment of modeling and experimental data of ammonia removal from pre-digested chicken manure. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 1333-1338.	1.7	2
8	Benchmarking leachate co-treatment strategies in municipal wastewater treatment plants under dynamic conditions and energy prices. <i>Journal of Environmental Management</i> , 2020, 260, 110129.	7.8	11
9	Modeling Co-treatment of Leachate in Municipal Wastewater Treatment Plants in the Context of Dynamic Loads and Energy Prices. <i>Advances in Science, Technology and Innovation</i> , 2020, , 493-496.	0.4	1
10	Modeling long-term performance of full-scale anaerobic expanded granular sludge bed reactor treating confectionery industry wastewater. <i>Environmental Science and Pollution Research</i> , 2019, 26, 25037-25045.	5.3	8
11	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.	8.8	35
12	Treatment of cheese whey by a cross-flow anaerobic membrane bioreactor: Biological and filtration performance. <i>Environmental Research</i> , 2019, 168, 109-117.	7.5	41
13	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.	5.3	26
14	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.	31.2	103
15	Biological performance and sludge filterability of anaerobic membrane bioreactors under nitrogen limited and supplied conditions. <i>Water Research</i> , 2018, 137, 164-172.	11.3	19
16	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.	0.4	0
17	Mathematical Modelling of a Full Scale Advanced Biological Municipal Wastewater Treatment Plant. <i>Åfukurova Åcniversitesi MÅ¼hendislik-Mimarlık FakÅ¼ltesi Dergisi</i> , 2018, 33, 213-224.	0.1	1
18	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.	2.4	25

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19	AtÄ±ksu ArÄ±tma Tesislerinde Enerji VerimliliÄ±inin Ä°ncelenmesi. Journal of Natural and Applied Sciences, 2017, 21, 380.	0.4	0
20	Evaporasyon Prosesinin Maya EndÄ±strisi AtÄ±ksu Karakterizasyonu Ve ArÄ±tÄ±labilirliÄ±ine Etkisi. Deu Muhendislik Fakultesi Fen Ve Muhendislik, 2017, 19, 389-398.	0.2	2
21	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
22	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
23	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
24	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
25	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
26	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
27	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
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	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
30	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
31	A review on dynamic membrane filtration: Materials, applications and future perspectives. Bioresource Technology, 2012, 122, 196-206.	9.6	305
32	Potentials of anaerobic membrane bioreactors to overcome treatment limitations induced by industrial wastewaters. Bioresource Technology, 2012, 122, 160-170.	9.6	217
33	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
34	Source Based Characterization and Pollution Profile of a Baker's Yeast Industry. Clean - Soil, Air, Water, 2011, 39, 543-548.	1.1	19
35	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
36	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

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37	Co-digestion of the organic fraction of municipal solid waste with primary sludge at a municipal wastewater treatment plant in Turkey. <i>Waste Management and Research</i> , 2010, 28, 404-410.	3.9	28
38	Long-term anaerobic treatability studies on opium alkaloids industry effluents. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 192-200.	1.7	11
39	Model Based Evaluation for the Anaerobic Treatment of Corn Processing Wastewaters. <i>Clean - Soil, Air, Water</i> , 2007, 35, 576-581.	1.1	17
40	Anaerobic Treatment of Industrial Effluents: An Overview of Applications. , 0, , .		19
41	Anaerobic membrane bioreactors for sludge digestion: Current status and future perspectives. <i>Critical Reviews in Environmental Science and Technology</i> , 0, , 1-39.	12.8	23