Orhan Yenigun

List of Publications by Year
in descending order

59	4,148	172457	161849
papers	citations	29 h-index	54 g-index

60	60	60	4876
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ammonia inhibition in anaerobic digestion: A review. Process Biochemistry, 2013, 48, 901-911.	3.7	973
2	Anaerobic treatment of dairy wastewaters: a review. Process Biochemistry, 2005, 40, 2583-2595.	3.7	418
3	Two-phase anaerobic digestion processes: a review. Journal of Chemical Technology and Biotechnology, 2002, 77, 743-755.	3.2	315
4	Effects of high free ammonia concentrations on the performances of anaerobic bioreactors. Process Biochemistry, 2005, 40, 1285-1292.	3.7	283
5	Environmental sustainability in an agricultural development project: a system dynamics approach. Journal of Environmental Management, 2002, 64, 247-260.	7.8	175
6	Comparison of aerobic and anaerobic degradation of municipal solid waste in bioreactor landfills. Bioresource Technology, 2008, 99, 5418-5426.	9.6	168
7	Effect of microplastics and microplastic-metal combinations on growth and chlorophyll a concentration of Chlorella vulgaris. Science of the Total Environment, 2020, 743, 140479.	8.0	137
8	Molasses as fermentation substrate for levan production by Halomonas sp.. Applied Microbiology and Biotechnology, 2011, 89, 1729-1740.	3.6	127
9	Flocculating performances of exopolysaccharides produced by a halophilic bacterial strain cultivated on agro-industrial waste. Bioresource Technology, 2011, 102, 1788-1794.	9.6	102
10	Particulate matter (PM10) in Istanbul: Origin, source areas and potential impact on surrounding regions. Atmospheric Environment, 2011, 45, 6891-6900.	4.1	96
11	Methanogenic diversity in anaerobic bioreactors under extremely high ammonia levels. Enzyme and Microbial Technology, 2005, 37, 448-455.	3.2	91
12	Anaerobic acidogenesis of dairy wastewater: the effects of variations in hydraulic retention time with no pH control. Journal of Chemical Technology and Biotechnology, 2004, 79, 755-760.	3.2	79
13	Aerosol chemical composition over Istanbul. Science of the Total Environment, 2010, 408, 2482-2491.	8.0	79
14	Enhancement of anaerobic digestion efficiency of wastewater sludge and olive waste: Synergistic effect of co-digestion and ultrasonic/microwave sludge pre-treatment. Waste Management, 2015, 46, 182-188.	7.4	73
15	Production of Methane and Hydrogen from Biomass through Conventional and High-Rate Anaerobic Digestion Processes. Critical Reviews in Environmental Science and Technology, 2010, 40, 116-146.	12.8	69
16	Study of a winter PM episode in Istanbul using the high resolution WRF/CMAQ modeling system. Atmospheric Environment, 2010, 44, 3085-3094.	4.1	61
17	Ultrasound assisted biogas production from co-digestion of wastewater sludges and agricultural wastes: Comparison with microwave pre-treatment. Ultrasonics Sonochemistry, 2018, 40, 193-200.	8.2	60
18	Community Changes During Start-up in Methanogenic Bioreactors Exposed to Increasing Levels of Ammonia. Environmental Technology (United Kingdom), 2005, 26, 85-91.	2.2	57

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19	Annual and seasonal air temperature trend patterns of climate change and urbanization effects in relation to air pollutants in Turkey. Journal of Geophysical Research, 1997, 102, 1909-1919.	3.3	55
20	Sorption Studies of 2,4-D on Selected Soils. Water, Air, and Soil Pollution, 1999, 111, 75-88.	2.4	54
21	The impact of anthropogenic and biogenic emissions on surface ozone concentrations in Istanbul. Science of the Total Environment, 2011, 409, 1255-1265.	8.0	53
22	Analysis of surface ozone and nitrogen oxides at urban, semi-rural and rural sites in Istanbul, Turkey. Science of the Total Environment, 2013, 443, 920-931.	8.0	49
23	Compilation of a GIS based high spatially and temporally resolved emission inventory for the greater Istanbul area. Atmospheric Pollution Research, 2012, 3, 112-125.	3.8	45
24	Changes in microbial ecology in an anaerobic reactor. Bioresource Technology, 2006, 97, 1201-1208.	9.6	40
25	A study on olive oil mill wastewater management in Turkey: A questionnaire and experimental approach. Resources, Conservation and Recycling, 2012, 60, 64-71.	10.8	36
26	Inhibition Effects of Zinc and Copper on Volatile Fatty Acid Production During Anaerobic Digestion. Environmental Technology (United Kingdom), 1996, 17, 1269-1274.	2.2	35
27	Analysis of major photochemical pollutants with meteorological factors for high ozone days in Istanbul, Turkey. Water, Air, and Soil Pollution, 2006, 175, 335-359.	2.4	35
28	Determination of potential methane production capacity of a granular sludge from a pilot-scale upflow anaerobic sludge blanket reactor using a specific methanogenic activity test. Journal of Chemical Technology and Biotechnology, 2001, 76, 573-578.	3.2	34
29	A comparative assessment of different methods for detecting inhomogeneities in Turkish temperature data set. International Journal of Climatology, 1998, 18, 561-578.	3.5	33
30	Interaction patterns of major photochemical pollutants in Istanbul, Turkey. Atmospheric Research, 2008, 89, 382-390.	4.1	29
31	Two-phase anaerobic treatment of cheese whey. Water Science and Technology, 1999, 40, 289.	2.5	28
32	Characterization of different types of electronic waste: heavy metal, precious metal and rare earth element content by comparing different digestÄ±on methods. Journal of Material Cycles and Waste Management, 2021, 23, 149-157.	3.0	28
33	The Effects of Change in Volatile Fatty Acid (VFA) Composition on Methanogenic Upflow Filter Reactor (UFAF) Performance. Environmental Technology (United Kingdom), 2002, 23, 1179-1187.	2.2	27
34	Sorption of Anionic Surfactants SDS, AOT and Cationic Surfactant Hyamine 1622 on Natural Soils. Water, Air, and Soil Pollution, 2002, 136, 55-68.	2.4	27
35	Removal of Cu, Ni and Zn from Wastewaters by the Ferrite Process. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /O	2.2	24
36	Cleaner production implementation through process modifications for selected SMEs in Turkish olive oil production. Journal of Cleaner Production, 2004, 12, 613-621.	9.3	23

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37	Changes in microbial community structures due to varying operational conditions in the anaerobic digestion of oxytetracycline-medicated cow manure. Applied Microbiology and Biotechnology, 2016, 100, 6469-6479.	3.6	23
38	A pilot scale study on high biomass systems: Energy and cost analysis of sludge production. Journal of Membrane Science, 2013, 428, 589-597.	8.2	17
39	Investigation of nitrogen converters in membrane bioreactor. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 500-508.	1.7	12
40	Two-phase anaerobic treatment of cheese whey. Water Science and Technology, 1999, 40, 289-295.	2.5	11
41	Evaluation of cake filtration biological reactors (CFBR) vs. membrane biological reactors (MBR) in a pilot scale plant. Desalination, 2012, 288, 135-144.	8.2	10
42	A review exploring the overarching burden of Zika virus with emphasis on epidemiological case studies from Brazil. Environmental Science and Pollution Research, 2021, 28, 55952-55966.	5.3	9
43	The impact of hazelnuts in land-use changes on soil carbon and in situ soil respiration dynamics. Journal of Environmental Management, 2013, 129, 341-349.	7.8	8
44	Biosorption of Ag+ and Nd3+ from single- and multi-metal solutions (Ag+, Nd3+, and Au3+) by using living and dried microalgae. Journal of Material Cycles and Waste Management, 2021, 23, 764-777.	3.0	8
45	Modelling of tidal motion in shoaling waters: The estuary of Milford Haven. Estuarine, Coastal and Shelf Science, 1985, 21, 337-356.	2.1	6
46	Calculations with the Level II Fugacity Model for selected organophosphorus insecticides. Water, Air, and Soil Pollution, 1995, 84, 175-185.	2.4	5
47	An integrated approach to water management in Kayseri: rainwater collection and use in an amusement park. Water Science and Technology, 2013, 67, 1137-1143.	2.5	5
48	An application of a puff dispersion model on power plant emissions in Yatagan region, Turkey. International Journal of Environment and Pollution, 2005, 23, 314.	0.2	4
49	Toxicity of Arsenic, Cadmium and Nickel on the Cyanobacterium Anabaena Cylindrica. Environmental Technology (United Kingdom), 1996, 17, 533-540.	2.2	3
50	Pretreatment of Sewage Sludge by Low-frequency Ultrasound. Journal of Advanced Oxidation Technologies, 2012, 15, .	0.5	3
51	Forecasting Dengue, Chikungunya and Zika cases in Recife, Brazil: a spatio-temporal approach based on climate conditions, health notifications and machine learning. Research, Society and Development, 2021, 10, e452101220804.	0.1	3
52	Estimation of dispersion in estuaries by a self-consistent method. Estuarine, Coastal and Shelf Science, 1985, 21, 257-272.	2.1	1
53	Turkeyâ€™s State of the Environment through the Spectacles of the EU. Journal of Interdisciplinary Economics, 2009, 20, 361-372.	1.1	1
54	A critical review of the water quality classification system in Turkey: A case study on Meric Basin. Environmental Management, 1995, 19, 601-607.	2.7	0

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55	Wind-induced circulations of the black sea. Water Science and Technology, 1995, 32, 87.	2.5	0
56	Nickel and cadmium inhibition in acidogenesis during anaerobic digestion. Journal of Environmental Science and Health Part A: Environmental Science and Engineering, 1995, 30, 981-987.	0.1	0
57	Towards sustainable agricultural waste management: reuse and energy recovery alternatives for biomass. International Journal of Global Warming, 2021, 23, 138.	0.5	0
58	The Impact of Anthropogenic and Biogenic Emissions on Surface Ozone Concentrations in Istanbul: A Modeling Study. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 103-106.	0.2	0
59	Wind-induced circulations of the black sea. Water Science and Technology, 1995, 32, 87-93.	2.5	0