Izzet Ozturk

List of Publications by Year in descending order

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105	2,625	218677	206112
papers	citations	26 h-index	48 g-index

108	108	108	2802
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review on dynamic membrane filtration: Materials, applications and future perspectives. Bioresource Technology, 2012, 122, 196-206.	9.6	305
2	Advanced physico-chemical treatment experiences on young municipal landfill leachates. Waste Management, 2003, 23, 441-446.	7.4	233
3	Potentials of anaerobic membrane bioreactors to overcome treatment limitations induced by industrial wastewaters. Bioresource Technology, 2012, 122, 160-170.	9.6	217
4	Anaerobic sequencing batch reactor treatment of landfill leachate. Water Research, 1999, 33, 3225-3230.	11.3	149
5	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
6	Ammonia removal from young landfill leachate by magnesium ammonium phosphate precipitation and air stripping. Water Science and Technology, 2000, 41, 237-240.	2.5	81
7	Interfacially polymerized thin-film composite membranes: Impact of support layer pore size on active layer polymerization and seawater desalination performance. Separation and Purification Technology, 2019, 212, 438-448.	7.9	73
8	Effect of maize silage addition on biomethane recovery from mesophilic co-digestion of chicken and cattle manure to suppress ammonia inhibition. Energy Conversion and Management, 2013, 71, 92-100.	9.2	68
9	A new process for the combined treatment of municipal wastewaters and landfill leachates in coastal areas. Water Science and Technology, 2002, 46, 111-118.	2.5	60
10	Struvite precipitation from anaerobically treated municipal and landfill wastewaters. Water Science and Technology, 2002, 46, 271-278.	2.5	53
11	Hybrid Upflow Anaerobic Sludge Blanket Reactor (HUASBR) Treatment of Dairy Effluents. Water Science and Technology, 1993, 28, 77-85.	2.5	47
12	Evaluation of in situ ammonia removal in an aerated landfill bioreactor. Process Biochemistry, 2006, 41, 2359-2366.	3.7	44
13	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
14	Life cycle assessment of upgrading options of a preliminary wastewater treatment plant including food waste addition. Water Research, 2018, 145, 518-530.	11.3	42
15	Assessing the Water-Resources Potential of Istanbul by Using a Soil and Water Assessment Tool (SWAT) Hydrological Model. Water (Switzerland), 2017, 9, 814.	2.7	41
16	Treatment of cheese whey by a cross-flow anaerobic membrane bioreactor: Biological and filtration performance. Environmental Research, 2019, 168, 109-117.	7.5	41
17	Ammonia recovery from high strength agro industry effluents. Water Science and Technology, 2002, 45, 189-196.	2.5	37
18	Co-digestion performance of organic fraction of municipal solid waste with leachate: Preliminary studies. Waste Management, 2018, 71, 775-784.	7.4	37

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19	Biological ammonia removal from anaerobically pre-treated landfill leachate in sequencing batch reactors (SBR). Water Science and Technology, 2001, 43, 307-314.	2.5	35
20	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
21	Advanced oxidation treatment of physico-chemically pre-treated olive mill industry effluent. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2007, 42, 741-747.	1.5	32
22	Investigation of variations in microbial diversity in anaerobic reactors treating landfill leachate. Water Science and Technology, 2003, 48, 105-112.	2.5	31
23	Rehabilitation by constructed wetlands of available wastewater treatment plant in Sakhnin. Ecological Engineering, 2007, 29, 27-32.	3.6	31
24	Rehabilitation and water quality monitoring in the Golden Horn. Water Science and Technology, 2002, 46, 29-36.	2.5	30
25	Color removal of high strength paper and fermentation industry effluents with membrane technology. Water Science and Technology, 1999, 40, 241.	2.5	28
26	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
27	Anaerobic treatment of olive mill effluents. Water Science and Technology, 1997, 36, 287.	2.5	26
28	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
29	Water quality assessment and meta model development in Melen watershed â€“ Turkey. Journal of Environmental Management, 2010, 91, 1526-1545.	7.8	25
30	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
31	Behavior of an Up-flow Anaerobic Sludge Bed (UASB) reactor at extreme salinity. Water Science and Technology, 2005, 51, 115-120.	2.5	23
32	Anaerobic membrane bioreactors for sludge digestion: Current status and future perspectives. Critical Reviews in Environmental Science and Technology, 0, , 1-39.	12.8	23
33	Advanced treatment of high strength opium alkaloid industry effluents. Water Science and Technology, 2002, 46, 323-330.	2.5	22
34	Advanced Oxidation of Biologically Pretreated Baker's Yeast Industry Effluents for High Recalcitrant COD and Color Removal. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2003, 38, 2229-2240.	1.7	22
35	Critical evaluation of wastewater treatment and disposal strategies for Istanbul with regards to water quality monitoring study results. Desalination, 2008, 226, 231-248.	8.2	22
36	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

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37	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
38	Anaerobic Treatment of Industrial Effluents: An Overview of Applications. , 0, , .		19
39	Source Based Characterization and Pollution Profile of a Baker's Yeast Industry. Clean - Soil, Air, Water, 2011, 39, 543-548.	1.1	19
40	Anaerobic treatment of leachate using sequencing batch reactor and hybrid bed filter. Water Science and Technology, 1997, 36, 501.	2.5	17
41	Model Based Evaluation for the Anaerobic Treatment of Corn Processing Wastewaters. Clean - Soil, Air, Water, 2007, 35, 576-581.	1.1	17
42	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
43	Colour removal from fermentation industry effluents. Water Science and Technology, 1999, 40, 331.	2.5	16
44	Anaerobic treatability of leachate: a comparative evaluation for three different reactor systems. Water Science and Technology, 2000, 42, 287-292.	2.5	16
45	Effect of high salinity on anaerobic treatment of low strength effluents. Water Science and Technology, 2004, 48, 207-212.	2.5	16
46	Identification of Archaeal population in the granular sludge of an UASB reactor treating sewage at low temperatures. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 1504-1510.	1.7	16
47	Pollution prevention and restoration in the golden horn of Istanbul. Water Science and Technology, 1998, 37, 129-136.	2.5	15
48	Nine years of full-scale anaerobic-aerobic treatment experiences with fermentation industry effluents. Water Science and Technology, 1995, 32, 131.	2.5	14
49	Pilot Scale UF and RO Studies on Water Reuse in Corrugated Board Industry. Water Science and Technology, 1999, 40, 303.	2.5	13
50	Settling and dewatering characteristics of sludge from baker's yeast production wastewater treatment. Water Science and Technology, 1996, 34, 459.	2.5	12
51	Pilot-scale anaerobic treatment of domestic wastewater in upflow anaerobic sludge bed and anaerobic baffled reactors at ambient temperatures. Desalination and Water Treatment, 2012, 46, 60-67.	1.0	12
52	Characterization and treatment of effluent from opium alkaloid processing wastewater. Water Science and Technology, 1999, 40, 23.	2.5	11
53	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
54	Degree of Sulfate-Reducing Activities on COD Removal in Various Reactor Configurations in Anaerobic Glucose and Acetate-fed Reactors. Clean - Soil, Air, Water, 2007, 35, 178-182.	1.1	10

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55	3D Numerical Modeling of Exchange Flows in Golden Horn Estuary. Journal of Waterway, Port, Coastal and Ocean Engineering, 2019, 145, .	1.2	10
56	Assessing the Impact of CFSR and Local Climate Datasets on Hydrological Modeling Performance in the Mountainous Black Sea Catchment. Water (Switzerland), 2019, 11, 2277.	2.7	10
57	Molecular Analysis of Microbial Communities in Nitrification and Denitrification Reactors Treating High Ammonia Leachate. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2003, 38, 1997-2007.	1.7	9
58	Estimation of monthly diffuse nutrient loads for a watershed in Turkey. Water and Environment Journal, 2011, 25, 219-229.	2.2	9
59	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
60	Pollution prevention and restoration in the golden horn of Istanbul. Water Science and Technology, 1998, 37, 129.	2.5	8
61	INFLUENCE OF DIFFERENT BIOPARTICLES ON BED EXPANSION CHARACTERISTICS OF ANAEROBIC FLUIDIZED BED REACTORS. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2001, 36, 1041-1053.	1.7	8
62	Importance and Vulnerability Analyses for Functional Zoning in a Coastal District of Turkey. International Journal of Environment and Geoinformatics, 2016, 3, 76-91.	0.8	8
63	Comparative Analysis of Nitrifying Bacteria in Fullâ€“Scale Oxidation Ditch and Aerated Nitrification Biofilter by Using Fluorescent In Situ Hybridization (FISH) and Denaturing Gradient Gel Electrophoresis (DGGE). Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2005, 40, 937-948.	1.7	7
64	Hydrodynamics of Canal Istanbul and its impact in the northern Sea of Marmara under extreme conditions. Ocean Dynamics, 2020, 70, 745-758.	2.2	7
65	Catalytic effects of high Mn(IV) concentrations on Mn(II) oxidation. Water Science and Technology, 2000, 42, 387-392.	2.5	6
66	Toxicity assessment on combined biological treatment of pharmaceutical industry effluents. Water Science and Technology, 2002, 45, 135-142.	2.5	6
67	A Comparative Study of Sulfidogenic and Methanogenic Activities During the Treatment of Landfill Leachate: Part I. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2006, 41, 687-701.	1.7	6
68	A simplified model for thermal discharges. Water Science and Technology, 1995, 32, 183.	2.5	5
69	Potential for reuse of treated effluent in Istanbul. Water Science and Technology, 1996, 33, .	2.5	5
70	System Performance in UASB Reactors Receiving Increasing Levels of Sulfate. Clean - Soil, Air, Water, 2007, 35, 275-281.	1.1	5
71	Testing various scenarios to improve circulation in Golden Horn: A case study. Marine Pollution Bulletin, 2019, 146, 598-607.	5.0	5
72	Retrofitting of Five Preliminary Wastewater Treatment Plants in Istanbul (Turkey) to High-Rate Activated Sludge System and/or Post Oxidation. Ozone: Science and Engineering, 2020, 42, 255-266.	2.5	5

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73	Removal of Taste and Odor Causing Compounds from Drinking Water Sources by Peroxone Process: Laboratory and Pilot Scale Studies. Ozone: Science and Engineering, 2021, 43, 527-537.	2.5	5
74	Primary and A-sludge treatment by anaerobic membrane bioreactors in view of energy-positive wastewater treatment plants. Bioresource Technology, 2022, 351, 126965.	9.6	5
75	Common anaerobic treatability of pharmaceutical and yeast industry wastewater. Water Science and Technology, 1998, 38, 37.	2.5	4
76	Application of membrane and ozonation technologies to remove color from agro-industry effluents. Water Science and Technology, 2001, 43, 233-241.	2.5	4
77	Integrated watershed management efforts: case study from Melen Watershed experiencing interbasin water transfer. Water Science and Technology: Water Supply, 2013, 13, 1272-1280.	2.1	4
78	Prioritization methodology of dangerous substances for water quality monitoring with scarce data. Clean Technologies and Environmental Policy, 2017, 19, 105-122.	4.1	4
79	Comparative Evaluation of Longitudinal Dispersion of Liquid in Non-Biological and Anaerobic Fixed Film Reactors. Environmental Technology (United Kingdom), 1997, 18, 45-53.	2.2	3
80	Nutrient removal of ammonia rich effluents in a sequencing batch reactor. Water Science and Technology, 2004, 48, 377-383.	2.5	3
81	Long-Term 3D Hydrodynamic Modeling and Water Surface Statistics in Marmara Sea. Marine Geodesy, 2018, 41, 126-143.	2.0	3
82	Evaluation of algae related taste and odor problem in drinking water. Pamukkale University Journal of Engineering Sciences, 2018, 24, 1141-1156.	0.4	3
83	Applications of Extended Ozonation at Different Stages of A Full Scale Municipal Wastewater Treatment Plant. Ozone: Science and Engineering, 2021, 43, 538-545.	2.5	3
84	Application of Water Quality Modelling as a Decision Support System Tool for Planned Buyuk Melen Reservoir and Its Watershed. NATO Security Through Science Series C: Environmental Security, 2008, , 227-242.	0.1	3
85	The effect of anaerobic pre-treatment on the inert soluble COD of fermentation industry effluents. Water Science and Technology, 1995, 32, 35.	2.5	2
86	Treatment of bleaching effluent in sequential activated sludge and nitrification systems. Water Science and Technology, 1999, 40, 269.	2.5	2
87	An experimental study on iron removal with ferric sludge recycling. Water Science and Technology, 2000, 42, 393-397.	2.5	2
88	Rehabilitation of an Available Facultative Pond Unit Using a Trickling Biofilter. Environmental Engineering Science, 2008, 25, 106-113.	1.6	2
89	Ottoman period water structures and water-related architecture: examples in Safranbolu, Turkey. Water Science and Technology: Water Supply, 2013, 13, 743-752.	2.1	2
90	Marmaraâ€™da Deniz SalyasÄ± Sorunu: TanÄ±mÄ±, Sebepleri, BoyutlarÄ±, DeÄŸerlendirme ve Ã‡Ã¶zÃ¼m Ã–nerileri. , 2021, , 11-47.	2	

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91	TREATABILITY OF OPIUM ALKALOID INDUSTRY WASTEWATERS BY ANAEROBIC PROCESSES. MÃ¼hendislik Bilimleri Ve TasarÄ±m Dergisi, 2018, 6, 479-486.	0.3	2
92	Assessing the potential impacts of the Canal Istanbul on the physical oceanography of the Turkish Straits System. Continental Shelf Research, 2022, 240, 104723.	1.8	2
93	Longitudinal dispersion and biomass hold-up of anaerobic fluidized bed reactors. Water Science and Technology, 1996, 34, 461.	2.5	1
94	Anaerobic Digestion of Municipal Sludges with High Silt Content Using Granular Seed. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2003, 38, 2369-2379.	1.7	1
95	Management of wastewater in rural districts of Istanbul metropolitan municipality. Water Science and Technology, 2019, 79, 2079-2085.	2.5	1
96	Analysis of Eutrophication Potential in Main Drinking Water Basins of Istanbul. Clean - Soil, Air, Water, 2021, 49, 2000222.	1.1	1
97	Removal of taste and odor from drinking water: performance evaluation and upgrade options for the treatment plants in Istanbul. Pamukkale University Journal of Engineering Sciences, 2020, 26, 505-512.	0.4	1
98	Marine outfall alternative to solve the color problems of pulp and paper industry effluents. Water Science and Technology, 1995, 32, 241.	2.5	0
99	Wastewater management strategies for the black sea coast of turkey. Water Science and Technology, 1999, 39, 169.	2.5	0
100	Rehabilitation of Wastewater Treatment Plant of Sakhnin City in Israel by Using Advanced Technologies. , 2010, , 1161-1169.		0
101	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
102	AtÄ±ksu ArÄ±tma Tesisinden AtÄ±ksu Rafinerisine. , 2022, , 385-410.		0
103	Ammonia and pH Inhibition in Anaerobic Treatment of Wastewaters, Part I: Experimental. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2004, 39, 2405-2420.	1.7	0
104	Ammonia and pH Inhibition in Anaerobic Treatment of Wastewaters, Part II: Model Development. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2004, 39, 2421-2435.	1.7	0
105	Impacts of a Floating Structure on the Residence Time in a Poorly Flushed Estuary, Golden Horn. Journal of Waterway, Port, Coastal and Ocean Engineering, 2022, 148, .	1.2	0