

Goksel Demirer

List of Publications by Year in descending order

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88
papers

3,800
citations

136950

32
h-index

128289

60
g-index

88
all docs

88
docs citations

88
times ranked

4144
citing authors

#	ARTICLE	IF	CITATIONS
1	The determination of fertilizer quality of the formed struvite from effluent of a sewage sludge anaerobic digester. <i>Journal of Hazardous Materials</i> , 2010, 181, 248-254.	12.4	240
2	Anaerobic treatment of real textile wastewater with a fluidized bed reactor. <i>Water Research</i> , 2003, 37, 1868-1878.	11.3	221
3	Ammonia removal from anaerobically digested dairy manure by struvite precipitation. <i>Process Biochemistry</i> , 2005, 40, 3667-3674.	3.7	210
4	Two-phase anaerobic digestion of unscreened dairy manure. <i>Process Biochemistry</i> , 2005, 40, 3542-3549.	3.7	186
5	Anaerobic biotransformation and methane generation potential of cheese whey in batch and UASB reactors. <i>Waste Management</i> , 2001, 21, 643-650.	7.4	152
6	Effect of initial COD concentration, nutrient addition, temperature and microbial acclimation on anaerobic treatability of broiler and cattle manure. <i>Bioresource Technology</i> , 2004, 93, 109-117.	9.6	149
7	Sustainable textile production: a case study from a woven fabric manufacturing mill in Turkey. <i>Journal of Cleaner Production</i> , 2014, 65, 595-603.	9.3	145
8	Anaerobic treatment of olive mill wastes in batch reactors. <i>Process Biochemistry</i> , 2000, 36, 243-248.	3.7	144
9	Biogas production potential from cotton wastes. <i>Renewable Energy</i> , 2007, 32, 750-757.	8.9	139
10	Life cycle assesment of municipal solid waste management methods: Ankara case study. <i>Environment International</i> , 2006, 32, 405-411.	10.0	126
11	Comparison of the treatment performances of blast furnace slag-based and gravel-based vertical flow wetlands operated identically for domestic wastewater treatment in Turkey. <i>Ecological Engineering</i> , 2005, 24, 185-198.	3.6	123
12	Recovery of acids from anaerobic acidification broth by liquid-liquid extraction. <i>Chemosphere</i> , 2009, 77, 1137-1142.	8.2	108
13	Anaerobic acidification of sugar-beet processing wastes: Effect of operational parameters. <i>Biomass and Bioenergy</i> , 2011, 35, 32-39.	5.7	92
14	Anaerobic digestion of dairy manure with enhanced ammonia removal. <i>Journal of Environmental Management</i> , 2008, 86, 193-200.	7.8	83
15	A chemical substitution study for a wet processing textile mill in Turkey. <i>Journal of Cleaner Production</i> , 2009, 17, 239-247.	9.3	79
16	Effects of pretreatment methods on solubilization of beet-pulp and bio-hydrogen production yield. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 382-389.	7.1	74
17	Use of blast furnace granulated slag as a substrate in vertical flow reed beds: Field application. <i>Bioresource Technology</i> , 2007, 98, 2089-2101.	9.6	71
18	Effect of retention time and organic loading rate on anaerobic acidification and biogasification of dairy manure. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 1381-1387.	3.2	70

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19	Life cycle assessment of biogas production through anaerobic co-digestion of nopal cladodes and dairy cow manure. <i>Journal of Cleaner Production</i> , 2018, 172, 2313-2322.	9.3	68
20	Cleaner production opportunity assessment study in SEKA Balikesir pulp and paper mill. <i>Journal of Cleaner Production</i> , 2008, 16, 422-431.	9.3	64
21	Anaerobic biogasification of undiluted dairy manure in leaching bed reactors. <i>Waste Management</i> , 2008, 28, 112-119.	7.4	63
22	Performance of leaching bed reactor converting the organic fraction of municipal solid waste to organic acids and alcohols. <i>Chemosphere</i> , 2009, 74, 797-803.	8.2	58
23	Sequential (anaerobic/aerobic) biological treatment of Dalaman SEKA Pulp and Paper Industry effluent. <i>Waste Management</i> , 2001, 21, 717-724.	7.4	54
24	Anaerobic treatability and biogas production potential studies of different agro-industrial wastewaters in Turkey. <i>Biodegradation</i> , 2000, 11, 401-405.	3.0	51
25	Removal and recovery of nutrients as struvite from anaerobic digestion residues of poultry manure. <i>Environmental Technology (United Kingdom)</i> , 2011, 32, 783-794.	2.2	49
26	Anaerobic Digestion of Dairy Manure in a Hybrid Reactor with Biogas Recirculation. <i>World Journal of Microbiology and Biotechnology</i> , 2005, 21, 1509-1514.	3.6	45
27	Anaerobic mesophilic co-digestion of sugar-beet processing wastewater and beet-pulp in batch reactors. <i>Renewable Energy</i> , 2011, 36, 971-975.	8.9	41
28	Anaerobic biotransformation of four 3-carbon compounds (acrolein, acrylic acid, allyl alcohol and) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3</i>	11.3	36
29	Water recycling and reuse in soft drink/beverage industry: A case study for sustainable industrial water management in Turkey. <i>Resources, Conservation and Recycling</i> , 2015, 104, 172-180.	10.8	36
30	Sequential (anaerobic/aerobic) biological treatment of malt whisky wastewater. <i>Process Biochemistry</i> , 2003, 39, 279-286.	3.7	35
31	Two-Phase Thermophilic Acidification and Mesophilic Methanogenesis Anaerobic Digestion of Waste-Activated Sludge. <i>Environmental Engineering Science</i> , 2008, 25, 1291-1300.	1.6	35
32	Effect of chromium(VI) on the biomass yield of activated sludge. <i>Enzyme and Microbial Technology</i> , 1999, 25, 48-54.	3.2	33
33	Biogas production from pistachio (<i>Pistacia vera</i> L.) processing waste. <i>Biocatalysis and Agricultural Biotechnology</i> , 2015, 4, 767-772.	3.1	33
34	Nitrogen and phosphorus recovery from anaerobic co-digestion residues of poultry manure and maize silage via struvite precipitation. <i>Waste Management and Research</i> , 2013, 31, 792-804.	3.9	32
35	Reducing water and energy consumption in chemical industry by sustainable production approach: a pilot study for polyethylene terephthalate production. <i>Journal of Cleaner Production</i> , 2015, 99, 119-128.	9.3	32
36	Anaerobic digestion of microalgal (<i>Chlorella vulgaris</i>) biomass as a source of biogas and biofertilizer. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 936-941.	2.3	29

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37	Cleaner production opportunity assessment for a milk processing facility. <i>Journal of Environmental Management</i> , 2007, 84, 484-493.	7.8	27
38	Volatile Fatty Acid Production from Organic Fraction of Municipal Solid Waste Through Anaerobic Acidogenic Digestion. <i>Environmental Engineering Science</i> , 2009, 26, 1443-1450.	1.6	27
39	Improved Food Waste Stabilization and Valorization by Anaerobic Digestion Through Supplementation of Conductive Materials and Trace Elements. <i>Sustainability</i> , 2020, 12, 5222.	3.2	26
40	Quality improvement in determination of chemical oxygen demand in samples considered difficult to analyze, through participation in proficiency-testing schemes. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 1082-1091.	11.4	24
41	Improved Anaerobic Acidification of Unscreened Dairy Manure. <i>Environmental Engineering Science</i> , 2008, 25, 309-318.	1.6	22
42	Carbon-to-nitrogen and substrate-to-inoculum ratio adjustments can improve co-digestion performance of microalgal biomass obtained from domestic wastewater treatment. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 614-624.	2.2	22
43	An interlaboratory study as useful tool for proficiency testing of chemical oxygen demand measurements using solid substrates and liquid samples with high suspended solid content. <i>Talanta</i> , 2009, 80, 329-337.	5.5	21
44	Greening of production in metal processing industry through process modifications and improved management practices. <i>Resources, Conservation and Recycling</i> , 2013, 77, 89-96.	10.8	21
45	Adaptation to Climate Change in Industry: Improving Resource Efficiency through Sustainable Production Applications. <i>Water Environment Research</i> , 2015, 87, 14-25.	2.7	21
46	Investigation of granulation of a mixture of suspended anaerobic and aerobic cultures under alternating anaerobic/microaerobic/aerobic conditions. <i>Process Biochemistry</i> , 2005, 40, 3732-3741.	3.7	19
47	Treatment of opium alkaloid containing wastewater in sequencing batch reactor (SBR)â€™Effect of gamma irradiation. <i>Radiation Physics and Chemistry</i> , 2010, 79, 519-526.	2.8	19
48	Investigation of the effect of culture type on biological hydrogen production from sugar industry wastes. <i>Waste Management</i> , 2010, 30, 792-798.	7.4	18
49	Performance evaluation of landfills with the HELP (hydrologic evaluation of landfill performance) model: Izmit case study. <i>Environmental Geology</i> , 2002, 42, 793-799.	1.2	17
50	Effectiveness of anaerobic biomass in adsorbing heavy metals. <i>Water Science and Technology</i> , 2001, 44, 245-252.	2.5	16
51	The inhibitory effects of lindane in batch and upflow anaerobic sludge blanket reactors. <i>Chemosphere</i> , 2003, 50, 165-169.	8.2	15
52	Anaerobicâ€™Fed and Sequencingâ€™Batch Treatment of Sugarâ€™Beet Processing Wastes: A Comparative Study. <i>Water Environment Research</i> , 2011, 83, 247-255.	2.7	15
53	Biogas Production from Waste Microalgal Biomass Obtained from Nutrient Removal of Domestic Wastewater. <i>Waste and Biomass Valorization</i> , 2016, 7, 1397-1408.	3.4	15
54	High-rate anaerobic treatment of digestate using fixed film reactors. <i>Environmental Pollution</i> , 2019, 252, 1622-1632.	7.5	15

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55	Enhancing the Performance of Anaerobic Digestion of Dairy Manure through Phase Separation. Clean - Soil, Air, Water, 2008, 36, 760-766.	1.1	13
56	Effect of operational parameters on anaerobic co-digestion of dairy cattle manure and agricultural residues: A case study for the KahramanmaraÅ region in Turkey. Engineering in Life Sciences, 2010, 10, 552-559.	3.6	13
57	Minimizing and adding value to seafood processing wastes. Food and Bioproducts Processing, 2016, 100, 195-202.	3.6	13
58	Toxicity of Acrylic Acid to Acetate-Enriched Methanosarcina Cultures. Journal of Environmental Engineering, ASCE, 1998, 124, 345-352.	1.4	12
59	Anaerobic Digestability and Biogas Production Capacity of Pistachio Processing Wastewater in UASB Reactors. Journal of Environmental Engineering, ASCE, 2019, 145, .	1.4	12
60	A comparative analysis of Turkish and European Union environmental legislation regarding cleaner (sustainable) production concept. International Journal of Environment and Sustainable Development, 2011, 10, 246.	0.3	11
61	The effect of managing nutrients in the performance of anaerobic digesters of municipal wastewater treatment plants. Applied Microbiology and Biotechnology, 2013, 97, 7899-7907.	3.6	11
62	Integrated nutrient removal and biogas production by <i>Chlorella vulgaris</i> cultures. Journal of Renewable and Sustainable Energy, 2015, 7, .	2.0	11
63	Sectoral assessment of the Turkish textile industry for the diffusion of sustainable production approach. Journal of the Textile Institute, 2015, 106, 1212-1225.	1.9	11
64	Biogas production from pistachio (<i>Pistaciavera</i> L.) de-hulling waste. International Journal of Green Energy, 2016, 13, 1320-1324.	3.8	11
65	Improving resource efficiency in surface coating/painting industry: practical experiences from a small-sized enterprise. Clean Technologies and Environmental Policy, 2014, 16, 1565-1575.	4.1	10
66	Supplementation of Carbon-Based Conductive Materials and Trace Metals to Improve Biogas Production from Apple Pomace. Sustainability, 2021, 13, 9488.	3.2	10
67	Determination of the framework conditions and research development needs for the dissemination of cleaner (sustainable) production applications in Turkey. International Journal of Sustainable Development and World Ecology, 2012, 19, 203-209.	5.9	9
68	Biogas generation by two-phase anaerobic digestion of organic fraction of municipal solid waste. Journal of Renewable and Sustainable Energy, 2012, 4, .	2.0	9
69	Anaerobic treatability and residual biogas potential of the effluent stream of anaerobic digestion processes. Water Environment Research, 2019, 91, 259-268.	2.7	9
70	Post-anaerobic treatability and residual biogas potential of digestate. Biomass Conversion and Biorefinery, 2022, 12, 1695-1702.	4.6	9
71	The national capacity assessment on cleaner (sustainable) production in Turkey. Sustainable Cities and Society, 2012, 5, 30-36.	10.4	8
72	Low-Strength Wastewater Treatment with Combined Granular Anaerobic and Suspended Aerobic Cultures in Upflow Sludge Blanket Reactors. Journal of Environmental Engineering, ASCE, 2008, 134, 295-303.	1.4	6

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73	The role of process configuration in the performance of anaerobic systems. <i>Water Science and Technology</i> , 1997, 36, 539-547.	2.5	6
74	The inhibitory effects and removal of dieldrin in continuous upflow anaerobic sludge blanket reactors. <i>Bioresource Technology</i> , 2003, 89, 191-197.	9.6	5
75	Integrated preventive environmental management training for municipalities: A case study from Turkey. <i>Environmental Quality Management</i> , 2003, 13, 67-75.	1.9	4
76	Simultaneous dissolution and uptake of nutrients in microalgal treatment of the secondarily treated digestate. <i>Algal Research</i> , 2019, 43, 101633.	4.6	4
77	Role of microalgae in circular economy. , 2022, , 1-12.		4
78	Inhibitory effects and biotransformation of acrylic acid in computer-controlled pH-Stat CSTRs. , 1999, 62, 200-207.		3
79	Granulation of a mixture of suspended anaerobic and aerobic cultures under alternating anaerobic/microaerobic/aerobic conditions: a preliminary study. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 837-842.	3.2	3
80	Modification of a Conventional Anaerobic Digester for Improving the Effluent and Sludge Characteristics. <i>Water Environment Research</i> , 2009, 81, 2447-2454.	2.7	3
81	Volatile Fatty Acid Production from Anaerobic Digestion of Organic Residues. <i>Methods in Molecular Biology</i> , 2019, 1995, 357-367.	0.9	3
82	Valorization of harmful algal blooms and food waste as bio-methane. <i>Environmental Progress and Sustainable Energy</i> , 2021, 40, e13561.	2.3	3
83	Recovery of Nutrients from Anaerobic Co-digestion Effluents of Poultry Manure and Sewage Sludge as Struvite. <i>Proceedings of the Water Environment Federation</i> , 2011, 2011, 594-616.	0.0	2
84	ORGANIC ACID PRODUCTION FROM THE ORGANIC FRACTION OF MUNICIPAL SOLID WASTE AND COW MANURE IN LEACHING BED REACTORS. <i>Environmental Engineering and Management Journal</i> , 2016, 15, 2487-2495.	0.6	2
85	Petroleum Coke Supplementation Improves Biogas Production from Food Waste at a Level Comparable to Commercial Carbon-based Conductive Materials. <i>Bioenergy Research</i> , 2022, 15, 1482-1490.	3.9	2
86	Comparison of Anaerobic Acrylic Acid Biotransformation in Single- and Two-Stage pH-Stat Completely Stirred Tank Reactor Systems. <i>Water Environment Research</i> , 2000, 72, 84-89.	2.7	1
87	Treatment of anaerobic digestion effluents by microalgal cultures. , 2022, , 113-148.		1
88	Coupled nutrient removal from the wastewater and CO ₂ biofixation from the flue gas of iron and steel manufacturing. <i>International Journal of Global Warming</i> , 2018, 16, 148.	0.5	0