Orhan Ä°nce

List of Publications by Year
in descending order

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111 papers	3,871 citations	94381 37 h-index	143943 57 g-index
112 all docs	112 docs citations	112 times ranked	3831 citing authors

#	Article	IF	Citations
1	Contrasting the Water Quality and Bacterial Community Patterns in Shallow and Deep Lakes: Manyas vs. Iznik. Environmental Management, 2021, 67, 506-512.	1.2	10
2	Comparative Assessment of Biogas Production Potential of the Most Abundant Agro-residues in Turkey. Deu Muhendislik Fakultesi Fen Ve Muhendislik, 2021, 23, 547-555.	0.1	1
3	Bacterial Succession in the Thermophilic Phase of Composting of Anaerobic Digestates. Waste and Biomass Valorization, 2020, 11, 841-849.	1.8	18
4	Enhancing methane production from anaerobic coâ€digestion of cow manure and barley: Link between process parameters and microbial community dynamics. Environmental Progress and Sustainable Energy, 2020, 39, 13292.	1.3	19
5	Anaerobic Lignocellulolytic Microbial Community Derived from Hindgut of Pachnoda Marginata Larva. Pamukkale University Journal of Engineering Sciences, 2020, 26, 1117-1122.	0.2	0
6	Bacterial Community Composition of Sapanca Lake During a Cyanobacterial Bloom. Aquatic Sciences and Engineering, 2020, 35, 52-56.	0.8	2
7	Biological pretreatment with Trametes versicolor to enhance methane production from lignocellulosic biomass: A metagenomic approach. Industrial Crops and Products, 2019, 140, 111659.	2.5	54
8	Crop-based composting of lignocellulosic digestates: Focus on bacterial and fungal diversity. Bioresource Technology, 2019, 288, 121549.	4.8	67
9	Microbial community shifts in the oxic-settling-anoxic process in response to changes to sludge interchange ratio. Heliyon, 2019, 5, e01517.	1.4	15
10	Linking nano-ZnO contamination to microbial community profiling in sanitary landfill simulations. Environmental Science and Pollution Research, 2019, 26, 13580-13591.	2.7	5
11	Fungal bioaugmentation of anaerobic digesters fed with lignocellulosic biomass: What to expect from anaerobic fungus Orpinomyces sp.. Bioresource Technology, 2019, 277, 1-10.	4.8	52
12	Rumen bacteria at work: bioaugmentation strategies to enhance biogas production from cow manure. Journal of Applied Microbiology, 2018, 124, 491-502.	1.4	43
13	Bioaugmentation with Clostridium thermocellum to enhance the anaerobic biodegradation of lignocellulosic agricultural residues. Bioresource Technology, 2018, 249, 620-625.	4.8	54
14	Operating conditions influence microbial community structures, elimination of the antibiotic resistance genes and metabolites during anaerobic digestion of cow manure in the presence of oxytetracycline. Ecotoxicology and Environmental Safety, 2018, 147, 349-356.	2.9	39
15	Enrichment of lignocellulose-degrading microbial communities from natural and engineered methanogenic environments. Applied Microbiology and Biotechnology, 2018, 102, 1035-1043.	1.7	21
16	Comparison of Rumen and Manure Microbiomes and Implications for the Inoculation of Anaerobic Digesters. Microorganisms, 2018, 6, 15.	1.6	77
17	Bioaugmentation of anaerobic digesters treating lignocellulosic feedstock by enriched microbial consortia. Engineering in Life Sciences, 2018, 18, 440-446.	2.0	25
18	Aerobic and anaerobic fungal metabolism and Omics insights for increasing polycyclic aromatic hydrocarbons biodegradation. Fungal Biology Reviews, 2017, 31, 61-72.	1.9	75

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19	Improvement of biogas potential of anaerobic digesters using rumen fungi. Renewable Energy, 2017, 109, 346-353.	4.3	57
20	Rumen anaerobic fungi create new opportunities for enhanced methane production from microalgae biomass. Algal Research, 2017, 23, 150-160.	2.4	40
21	Assessment of the horizontal transfer of functional genes as a suitable approach for evaluation of the bioremediation potential of petroleum-contaminated sites: a mini-review. Applied Microbiology and Biotechnology, 2017, 101, 4341-4348.	1.7	26
22	Microbial monitoring of ammonia removal in a UASB reactor treating pre-digested chicken manure with anaerobic granular inoculum. Bioresource Technology, 2017, 241, 332-339.	4.8	37
23	Volatile fatty acid production dynamics during the acidification of pretreated olive mill wastewater. Bioresource Technology, 2017, 241, 936-944.	4.8	27
24	Effect of bioaugmentation by cellulolytic bacteria enriched from sheep rumen on methane production from wheat straw. Anaerobe, 2017, 46, 122-130.	1.0	69
25	Application of next-generation sequencing methods for microbial monitoring of anaerobic digestion of lignocellulosic biomass. Applied Microbiology and Biotechnology, 2017, 101, 6849-6864.	1.7	32
26	Anaerobic coâ€digestion of cow manure and barley: Effect of cow manure to barley ratio on methane production and digestion stability. Environmental Progress and Sustainable Energy, 2016, 35, 589-595.	1.3	34
27	A comprehensive microbial insight into single-stage and two-stage anaerobic digestion of oxytetracycline-medicated cattle manure. Chemical Engineering Journal, 2016, 303, 675-684.	6.6	56
28	Reconstruction of bacterial community structure and variation for enhanced petroleum hydrocarbons degradation through biostimulation of oil contaminated soil. Chemical Engineering Journal, 2016, 306, 60-66.	6.6	101
29	Development of a fast and low-cost qPCR assay for diagnosis of acute gas pharyngitis. Annals of Clinical Microbiology and Antimicrobials, 2016, 15, 46.	1.7	7
30	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.	1.7	23
31	Degradation of oxytetracycline and its impacts on biogas-producing microbial community structure. Bioprocess and Biosystems Engineering, 2016, 39, 1051-1060.	1.7	26
32	The effects of white-rot fungi Trametes versicolor and Bjerkandera adusta on microbial community structure and functional genes during the bioaugmentation process following biostimulation practice of petroleum contaminated soil. International Biodeterioration and Biodegradation, 2016, 114, 67-74.	1.9	10
33	The fate of oxytetracycline in twoâ€phase and singleâ€phase anaerobic cattle manure digesters and its effects on microbial communities. Journal of Chemical Technology and Biotechnology, 2016, 91, 806-814.	1.6	26
34	Performance and microbial community variations in thermophilic anaerobic digesters treating OTC medicated cow manure under different operational conditions. Bioresource Technology, 2016, 205, 191-198.	4.8	20
35	Anaerobic sulfamethoxazole degradation is driven by homoacetogenesis coupled with hydrogenotrophic methanogenesis. Water Research, 2016, 90, 79-89.	5.3	94
36	Evaluation of microbial population and functional genes during the bioremediation of petroleum-contaminated soil as an effective monitoring approach. Ecotoxicology and Environmental Safety, 2016, 125, 153-160.	2.9	85

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37	Composting practice for sustainable waste management: a case study in Istanbul. Desalination and Water Treatment, 2016, 57, 14473-14477.	1.0	10
38	Assessment of anaerobic bacterial diversity and its effects on anaerobic system stability and the occurrence of antibiotic resistance genes. Bioresource Technology, 2016, 207, 332-338.	4.8	57
39	Inhibitory effect of erythromycin, tetracycline and sulfamethoxazole antibiotics on anaerobic treatment of a pharmaceutical wastewater. Water Science and Technology, 2015, 71, 1620-1628.	1.2	13
40	Acute effect of erythromycin on metabolic transformations of volatile fatty acid mixture under anaerobic conditions. Chemosphere, 2015, 124, 129-135.	4.2	14
41	Development of antibiotic resistance genes in microbial communities during long-term operation of anaerobic reactors in the treatment of pharmaceutical wastewater. Water Research, 2015, 83, 337-344.	5.3	150
42	Biodegradation and reversible inhibitory impact of sulfamethoxazole on the utilization of volatile fatty acids during anaerobic treatment of pharmaceutical industry wastewater. Science of the Total Environment, 2015, 536, 667-674.	3.9	85
43	Use of PCR-DGGE based molecular methods to assessment of microbial diversity during anaerobic treatment of antibiotic combinations. Bioresource Technology, 2015, 192, 735-740.	4.8	51
44	The joint acute effect of tetracycline, erythromycin and sulfamethoxazole on acetoclastic methanogens. Water Science and Technology, 2015, 71, 1128-1135.	1.2	2
45	Combined effect of erythromycin, tetracycline and sulfamethoxazole on performance of anaerobic sequencing batch reactors. Bioresource Technology, 2015, 186, 207-214.	4.8	100
46	Monitoring the abundance and the activity of ammonia-oxidizing bacteria in a full-scale nitrifying activated sludge reactor. Environmental Science and Pollution Research, 2015, 22, 2328-2334.	2.7	5
47	Acute effects of various antibiotic combinations on acetoclastic methanogenic activity. Environmental Science and Pollution Research, 2015, 22, 6230-6235.	2.7	14
48	Application of real-time PCR to determination of combined effect of antibiotics on Bacteria, Methanogenic Archaea, Archaea in anaerobic sequencing batch reactors. Water Research, 2015, 76, 88-98.	5.3	105
49	Individual and combined inhibitory effects of methanol and toluene on acetyl-CoA synthetase expression level of acetoclastic methanogen, Methanosaeta concilii. International Biodeterioration and Biodegradation, 2015, 105, 233-238.	1.9	8
50	Inhibitory effects of antibiotic combinations on syntrophic bacteria, homoacetogens and methanogens. Chemosphere, 2015, 120, 515-520.	4.2	61
51	Rumen SÄ±vÄ±sÄ±nÄ±n AÅŸÄ± Olarak KullanÄ±ldÄ±ÄŸÄ± BÃ¼yÃ¼kbaÅŸ Hayvan DÄ±ÅŸkÄ±sÄ± Ä°le Ä°ÅŸletilen Anaerobik Ã‡Ã¼rÃ¼ Asidifikasyon Veriminin Ä°ncelenmesi. Ã‡anakkale Onsekiz Mart Ãœniversitesi Fen Bilimleri EnstitÃ¼sÃ¼ Dergisi, 2015, 1, 27-38.	0.2	0
52	Acidification of non-medicated and oxytetracycline-medicated cattle manures during anaerobic digestion. Environmental Technology (United Kingdom), 2014, 35, 2373-2379.	1.2	8
53	Performance of anaerobic sequencing batch reactor in the treatment of pharmaceutical wastewater containing erythromycin and sulfamethoxazole mixture. Water Science and Technology, 2014, 70, 1625-1632.	1.2	34
54	Bioenergy production from diluted poultry manure and microbial consortium inside Anaerobic Sludge Bed Reactor at sub-mesophilic conditions. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2014, 49, 775-785.	0.7	3

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55	Biodegradation of Tetracycline Under Various Conditions and Effects on Microbial Community. Applied Biochemistry and Biotechnology, 2014, 172, 631-640.	1.4	37
56	Chronic impact of tetracycline on the biodegradation of an organic substrate mixture under anaerobic conditions. Water Research, 2013, 47, 2959-2969.	5.3	176
57	Effect of oxytetracycline on biogas production and active microbial populations during batch anaerobic digestion of cow manure. Bioprocess and Biosystems Engineering, 2013, 36, 541-546.	1.7	63
58	Potential of ultrafiltration for organic matter removal in the polymer industry effluent based on particle size distribution analysis. Environmental Science and Pollution Research, 2013, 20, 340-350.	2.7	14
59	Effect of nitrogen deficiency during SBR operation on PHA storage and microbial diversity. Environmental Technology (United Kingdom), 2012, 33, 1827-1837.	1.2	13
60	Erratum to â€œEffect of aerobic stabilization on biomass activityâ€•[J. Biotechnol. 150S (2010) S35]. Journal of Biotechnology, 2012, 160, 269.	1.9	0
61	The microbial diversity, methane production, operational routine of an anaerobic reactor treating maize processing wastewater. Water Practice and Technology, 2012, 7, .	1.0	4
62	Gel Electrophoresis Based Genetic Fingerprinting Techniques on Environmental Ecology. , 2012, , .		2
63	Acute inhibitory impact of antimicrobials on acetoclastic methanogenic activity. Bioresource Technology, 2012, 114, 109-116.	4.8	60
64	Effect of seed sludge microbial community and activity on the performance of anaerobic reactors during the start-up period. World Journal of Microbiology and Biotechnology, 2012, 28, 637-647.	1.7	21
65	Inhibition effect of isopropanol on acetyl-CoA synthetase expression level of acetoclastic methanogen, Methanosaeta concilii. Journal of Biotechnology, 2011, 156, 95-99.	1.9	23
66	Spatial and temporal changes in microbial diversity of the Marmara Sea Sediments. Marine Pollution Bulletin, 2011, 62, 2384-2394.	2.3	29
67	Effect of nitrogen limitation on enrichment of activated sludge for PHA production. Bioprocess and Biosystems Engineering, 2011, 34, 1007-1016.	1.7	34
68	Increment in Anaerobic Hydrocarbon Degradation Activity of Halic Bay Sediments via Nutrient Amendment. Microbial Ecology, 2011, 61, 871-884.	1.4	10
69	Joint analysis of transient flux behaviors via membrane fouling in hybrid PAC/MF processes using neural network. Desalination, 2010, 250, 188-196.	4.0	9
70	Toluene inhibition on an anaerobic reactor sludge in terms of potential activity and composition of acetoclastic methanogens. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2009, 44, 1551-1556.	0.9	8
71	Biogeographical distribution and diversity of bacterial and archaeal communities within highly polluted anoxic marine sediments from the marmara sea. Marine Pollution Bulletin, 2009, 58, 384-395.	2.3	39
72	Nickel Removal from Waters Using a Surfactant-Enhanced Hybrid Powdered Activated Carbon/Microfiltration Process. II. The Influence of Process Variables. Industrial & Engineering Chemistry Research, 2009, 48, 903-913.	1.8	15

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73	Monitoring of Bacterial Diversity in Relation to PHA Storage Capacity in an Anaerobic/Aerobic Activated Sludge SBR System. , 2009, , .		0
74	Anaerobic treatment of a chemical synthesis-based pharmaceutical wastewater in a hybrid upflow anaerobic sludge blanket reactor. Bioresource Technology, 2008, 99, 1089-1096.	4.8	127
75	Identification of nitrifiers in a full-scale biological treatment system using fluorescentin situhybridization. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2007, 42, 517-523.	0.9	1
76	Methanogenic community change in a full-scale UASB reactor operated at a low F/M ratio. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2007, 42, 903-910.	0.9	5
77	Methanogenic and sulphate reducing bacterial population levels in a full-scale anaerobic reactor treating pulp and paper industry wastewater using fluorescence in situ hybridisation. Water Science and Technology, 2007, 55, 183-191.	1.2	102
78	Analysis of Methanogenic Archaeal and Sulphate Reducing Bacterial Populations in Deep Sediments of the Black Sea. Geomicrobiology Journal, 2006, 23, 285-292.	1.0	8
79	Nickel Removal from Waters Using Surfactant-Enhanced Hybrid PAC/MF Process. I. The Influence of System-Component Variables. Industrial & Engineering Chemistry Research, 2006, 45, 3926-3933.	1.8	23
80	Evaluation of performance, acetoclastic methanogenic activity and archaeal composition of full-scale UASB reactors treating alcohol distillery wastewaters. Process Biochemistry, 2006, 41, 28-35.	1.8	48
81	Determination of optimum operating conditions of an acidification reactor treating a chemical synthesis-based pharmaceutical wastewater. Process Biochemistry, 2006, 41, 2258-2263.	1.8	56
82	Comparative evaluation of full-scale UASB reactors treating alcohol distillery wastewaters in terms of performance and methanogenic activity. Journal of Chemical Technology and Biotechnology, 2005, 80, 138-144.	1.6	22
83	Inhibition of Volatile Fatty Acid Production in Granular Sludge from a UASB Reactor. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2005, 40, 633-644.	0.9	57
84	Effect of wastewater composition on archaeal population diversity. Water Research, 2005, 39, 1576-1584.	5.3	70
85	Effect of Wastewater Composition on Methanogenic Activity in an Anaerobic Reactor. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2004, 39, 2941-2953.	0.9	11
86	Title is missing!. Water, Air, and Soil Pollution, 2003, 144, 301-315.	1.1	7
87	Microbial Population Dynamics in an Anaerobic CSTR Treating a Chemical Synthesis-Based Pharmaceutical Wastewater. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2003, 38, 2029-2042.	0.9	6
88	Effect of a chemical synthesis-based pharmaceutical wastewater on performance, acetoclastic methanogenic activity and microbial population in an upflow anaerobic filter. Journal of Chemical Technology and Biotechnology, 2002, 77, 711-719.	1.6	35
89	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.	1.6	34
90	Assessment of Biogas use as an Energy Source from Anaerobic Digestion of Brewery Wastewater. Water, Air, and Soil Pollution, 2001, 126, 239-251.	1.1	22

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91	Determination of potential methane production capacity of a granular sludge from a pilotâ€scale upflow anaerobic sludge blanket reactor using a specific methanogenic activity test. Journal of Chemical Technology and Biotechnology, 2001, 76, 573-578.	1.6	1
92	Changes to bacterial community make-up in a two-phase anaerobic digestion system. Journal of Chemical Technology and Biotechnology, 2000, 75, 500-508.	1.6	26
93	Attachment, strength and performance of a porous media in an upflow anaerobic filter treating dairy wastewater. Water Science and Technology, 2000, 41, 261-270.	1.2	25
94	Inert COD production in a membrane anaerobic reactor treating brewery wastewater. Water Research, 2000, 34, 3943-3948.	5.3	60
95	Fate of inert cod fractions in twoâ€stage biological treatment of a strong wastewater. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 1999, 34, 1329-1340.	0.9	5
96	Performance of a two-phase anaerobic digestion system when treating dairy wastewater. Water Research, 1998, 32, 2707-2713.	5.3	150
97	Assessment of inert COD in pulp and paper mill wastewater under anaerobic conditions. Water Research, 1998, 32, 3490-3494.	5.3	26
98	Experimental Determination of the Inert Soluble COD Fraction of a Brewery Wastewater under Anaerobic Conditions. Environmental Technology (United Kingdom), 1998, 19, 437-442.	1.2	9
99	Potential energy production from anaerobic digestion of dairy wastewater. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 1998, 33, 1219-1228.	0.9	22
100	Composition of the microbial population in a membrane anaerobic reactor system during start-up. Water Research, 1997, 31, 1-10.	5.3	26
101	Ecosystem modelling of coastal lagoons for sustainable management. International Journal of Salt Lake Research, 1997, 6, 91-105.	0.1	4
102	Toxicity of trivalent chromium in the anaerobic digestion process. Water Research, 1996, 30, 731-741.	5.3	24
103	Microbial Kinetics of a Membrane Anaerobic Reactor System. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Overloc	1.2	25
104	Effect of Changes in Composition of Methanogenic Species on Performance of a Membrane Anaerobic Reactor System Treating Brewery Wastewater. Environmental Technology (United Kingdom), 1995, 16, 901-914.	1.2	8
105	Control of organic loading rate using the specific methanogenic activity test during start-up of an anaerobic digestion system. Water Research, 1995, 29, 349-355.	5.3	56
106	An Investigation into the Pre-Treatment of Dairy Wastewater Prior to Aerobic Biological Treatment. Water Science and Technology, 1994, 29, 205-212.	1.2	38
107	Microbiological study of two-stage anaerobic digestion during start-up. Water Research, 1994, 28, 2383-2392.	5.3	47
108	Comparison of porous and non-porous media in upflow anaerobic filters when treating dairy wastewater. Water Research, 1994, 28, 1619-1624.	5.3	45

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109	Pollution Prevention in the Pulp and Paper Industries. , 0, , .		16
110	New approach to encapsulation of Trametes versicolor in calcium alginate beads: a promising biological pretreatment method for enhanced anaerobic digestion. Biomass Conversion and Biorefinery, 0, , 1.	2.9	0
111	Zeytin Karasuyunun Elektrokoagulasyon Ã–n ArÄ±tÄ±mlÄ± Tek FazlÄ± Anaerobik ArÄ±tÄ±mÄ±. Sakarya University Journal of Science, 0, , 1-1.	0.3	0