

Emine Ubay AokgÄr

List of Publications by Year in descending order

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129
papers

2,783
citations

172386

29
h-index

223716

46
g-index

130
all docs

130
docs citations

130
times ranked

2161
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive evaluation of starter culture impact on the bioreactor performance and microbial kinetics. <i>Biochemical Engineering Journal</i> , 2022, 177, 108233.	1.8	3
2	Anatomy of super-fast activated sludge process with gravity settling for biodegradation and energy recovery potential – a review. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 1086-1098.	1.6	5
3	Polyhydroxyalkanoate production from food industry residual streams using mixed microbial cultures. , 2022, , 265-284.		0
4	Co-metabolism of nonylphenol ethoxylate in sequencing batch reactor under aerobic conditions. <i>Biodegradation</i> , 2022, 33, 181-194.	1.5	3
5	A comprehensive evaluation of process kinetics: A plant-wide approach for nutrient removal and biogas production. <i>Water Research</i> , 2022, 217, 118410.	5.3	8
6	Role of experimental support as an essential component of sustainable design of the activated sludge process for nitrogen removal. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 2253-2271.	1.6	6
7	Insights into the acute effect of anti-inflammatory drugs on activated sludge systems with high solids retention time. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 3920-3931.	1.2	2
8	Anatomy of the organic carbon in an industrial wastewater: Implications of particle size distribution, respirometry and process modelling. <i>Chemical Engineering Research and Design</i> , 2021, 146, 257-266.	2.7	2
9	Impact of ultrasonic pre-treatment on domestic sludge digestion performance and microbial community dynamics. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 931-943.	1.2	1
10	Occurrence and fate of antimicrobial triclocarban and its transformation products in municipal sludge during advanced anaerobic digestion using microwave pretreatment. <i>Science of the Total Environment</i> , 2020, 705, 135862.	3.9	15
11	Determination of the potential of pickle wastewater as feedstock for biopolymer production. <i>Water Science and Technology</i> , 2020, 81, 21-28.	1.2	10
12	Occurrence of the Persistent Antimicrobial Triclosan in Microwave Pretreated and Anaerobically Digested Municipal Sludges under Various Process Conditions. <i>Molecules</i> , 2020, 25, 310.	1.7	9
13	Comparative Analysis of Bacterial and Archaeal Community Structure in Microwave Pretreated Thermophilic and Mesophilic Anaerobic Digesters Utilizing Mixed Sludge under Organic Overloading. <i>Water (Switzerland)</i> , 2020, 12, 887.	1.2	17
14	Effect of dewatered sludge microwave pretreatment temperature and duration on net energy generation and biosolids quality from anaerobic digestion. <i>Energy</i> , 2019, 168, 782-795.	4.5	29
15	Respirometric evaluation and modeling of the impact of continuous benzo[<i>a</i>]anthracene feeding on activated sludge. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 2621-2629.	1.6	6
16	Enhancement of nutrient removal performance of activated sludge with a novel hybrid biofilm process. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 379-390.	1.7	12
17	Kinetic and microbial response of activated sludge community to acute and chronic exposure to tetracycline. <i>Journal of Hazardous Materials</i> , 2019, 367, 418-426.	6.5	24
18	Membrane integrated process for advanced treatment of high strength Opium Alkaloid wastewaters. <i>Water Science and Technology</i> , 2018, 77, 1899-1908.	1.2	3

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19	Chronic impact of sulfamethoxazole: how does process kinetics relate to metabolic activity and composition of enriched nitrifying microbial culture?. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1722-1732.	1.6	9
20	Microbial endogenous response to acute inhibitory impact of antibiotics. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1626-1637.	1.2	4
21	A novel process maximizing energy conservation potential of biological treatment: Super fast membrane bioreactor. <i>Journal of Membrane Science</i> , 2018, 545, 337-347.	4.1	11
22	Comparative Assessment of Sludge Pre-treatment Techniques to Enhance Sludge Dewaterability and Biogas Production. <i>Clean - Soil, Air, Water</i> , 2018, 46, 1700569.	0.7	8
23	Impact of paint shop decanter effluents on biological treatability of automotive industry wastewater. <i>Journal of Hazardous Materials</i> , 2017, 330, 61-67.	6.5	18
24	Dynamic modeling of nutrient removal by a MBR operated at elevated temperatures. <i>Water Research</i> , 2017, 123, 420-428.	5.3	16
25	Simultaneous nitrate and perchlorate removal from groundwater by heterotrophic-autotrophic sequential system. <i>International Biodeterioration and Biodegradation</i> , 2017, 116, 83-90.	1.9	22
26	Biodegradation of pretreated olive mill effluent in mixture with a domestic sewage or compatible wastewater stream. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 757-766.	1.6	7
27	Evaluation of nitrate and perchlorate reduction using sulfur-based autotrophic and mixotrophic denitrifying processes. <i>Water Science and Technology: Water Supply</i> , 2016, 16, 208-218.	1.0	10
28	Kinetic evaluation of nitrification performance in an immobilized cell membrane bioreactor. <i>Water Science and Technology</i> , 2016, 73, 2904-2912.	1.2	3
29	Chronic impact of sulfamethoxazole on the metabolic activity and composition of enriched nitrifying microbial culture. <i>Water Research</i> , 2016, 100, 546-555.	5.3	43
30	Simultaneous nitrate and perchlorate reduction using sulfur-based autotrophic and heterotrophic denitrifying processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1471-1477.	1.6	19
31	Is the chronic impact of sulfamethoxazole different for slow growing culture? The effect of culture history. <i>Bioresource Technology</i> , 2016, 206, 65-76.	4.8	20
32	Heterotrophic-autotrophic sequential system for reductive nitrate and perchlorate removal. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 183-191.	1.2	12
33	Comparison of Energy Efficiencies for Advanced Anaerobic Digestion, Incineration, and Gasification Processes in Municipal Sludge Management. <i>Journal of Residuals Science and Technology</i> , 2016, 13, 57-64.	0.6	12
34	Acute impact of tetracycline on the utilization of acetate by activated sludge sustained under different growth conditions. <i>Bioresource Technology</i> , 2015, 198, 157-164.	4.8	4
35	Impact of the Anoxic Volume Ratio on the Dynamics of Biological Nitrogen Removal Under Extended Aeration Conditions. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	10
36	Chronic impact of tetracycline on nitrification kinetics and the activity of enriched nitrifying microbial culture. <i>Water Research</i> , 2015, 72, 227-238.	5.3	50

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37	Long-term study on the impact of temperature on enhanced biological phosphorus and nitrogen removal in membrane bioreactor. <i>Water Research</i> , 2015, 84, 8-17.	5.3	34
38	Performance and microbial behavior of submerged membrane bioreactor at extremely low sludge ages. <i>Desalination and Water Treatment</i> , 2015, 56, 862-874.	1.0	7
39	Modeling sequential ammonia oxidation kinetics in enriched nitrifying microbial culture. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 72-79.	1.6	15
40	Extent of endogenous decay and microbial activity in aerobic stabilization of biological sludge. <i>Desalination and Water Treatment</i> , 2014, 52, 6356-6362.	1.0	5
41	Pyrosequencing reveals the inhibitory impact of chronic exposure to erythromycin on activated sludge bacterial community structure. <i>Biochemical Engineering Journal</i> , 2014, 90, 195-205.	1.8	27
42	Effect of acetate to biomass ratio on simultaneous polyhydroxybutyrate generation and direct microbial growth in fast growing microbial culture. <i>Bioresource Technology</i> , 2014, 171, 314-322.	4.8	5
43	Effect of extended aeration on the fate of particulate components in sludge stabilization. <i>Bioresource Technology</i> , 2014, 174, 88-94.	4.8	7
44	Modeling acute impact of sulfamethoxazole on the utilization of simple and complex substrates by fast growing microbial culture. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 603-615.	1.6	22
45	Acute impact of erythromycin on substrate utilization by activated sludge: effect of sludge age. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1091-1102.	1.6	10
46	Kinetic characterization of acetate utilization and response of microbial population in super fast membrane bioreactor. <i>Journal of Membrane Science</i> , 2014, 455, 392-404.	4.1	28
47	Acute impact of tetracycline and erythromycin on the storage mechanism of polyhydroxyalkanoates. <i>Biochemical Engineering Journal</i> , 2014, 91, 283-289.	1.8	8
48	Impact of aerobic stabilization on the characteristics of treatment sludge in the leather tanning industry. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 719-726.	1.2	5
49	Scientific basis of dissolved organic carbon limitation for landfilling of municipal treatment sludge " Is it attainable and justifiable?. <i>Waste Management</i> , 2014, 34, 1657-1666.	3.7	7
50	Modeling the fate of particulate components in aerobic sludge stabilization " Performance limitations. <i>Bioresource Technology</i> , 2014, 164, 315-322.	4.8	7
51	Chronic impact of sulfamethoxazole on acetate utilization kinetics and population dynamics of fast growing microbial culture. <i>Bioresource Technology</i> , 2014, 166, 219-228.	4.8	15
52	Effect of high loading on substrate utilization kinetics and microbial community structure in super fast submerged membrane bioreactor. <i>Bioresource Technology</i> , 2014, 159, 118-127.	4.8	15
53	Biodegradation characteristics and size fractionation of landfill leachate for integrated membrane treatment. <i>Journal of Hazardous Materials</i> , 2013, 260, 825-832.	6.5	36
54	Potential of ultrafiltration for organic matter removal in the polymer industry effluent based on particle size distribution analysis. <i>Environmental Science and Pollution Research</i> , 2013, 20, 340-350.	2.7	14

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55	Acute impact of erythromycin and tetracycline on the kinetics of nitrification and organic carbon removal in mixed microbial culture. <i>Bioresource Technology</i> , 2013, 144, 410-419.	4.8	69
56	Effect of sludge age on population dynamics and acetate utilization kinetics under aerobic conditions. <i>Bioresource Technology</i> , 2013, 143, 68-75.	4.8	28
57	Integrated watershed management efforts: case study from Melen Watershed experiencing interbasin water transfer. <i>Water Science and Technology: Water Supply</i> , 2013, 13, 1272-1280.	1.0	4
58	Are standard wastewater treatment plant design methods suitable for any municipal wastewater?. <i>Water Science and Technology</i> , 2012, 66, 328-335.	1.2	16
59	Modeling of simultaneous growth and storage kinetics variation under unsteady feast conditions for aerobic heterotrophic biomass. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 1445-1454.	1.7	10
60	Acute effect of benzo[a]anthracene on the biodegradation of peptone under aerobic conditions. <i>Environmental Science and Pollution Research</i> , 2012, 19, 3412-3420.	2.7	2
61	Effect of stabilization on biomass activity. <i>Journal of Biotechnology</i> , 2012, 157, 547-553.	1.9	8
62	Erratum to "Effect of aerobic stabilization on biomass activity" [J. Biotechnol. 150S (2010) S35]. <i>Journal of Biotechnology</i> , 2012, 160, 269.	1.9	0
63	Characteristics of mixed microbial culture at different sludge ages: Effect on variable kinetics for substrate utilization. <i>Bioresource Technology</i> , 2012, 126, 274-282.	4.8	36
64	Is ammonification the rate limiting step for nitrification kinetics?. <i>Bioresource Technology</i> , 2012, 114, 117-125.	4.8	32
65	Pollution profile and biodegradation characteristics of furfural processing effluents. <i>Environmental Technology (United Kingdom)</i> , 2011, 32, 1151-1162.	1.2	8
66	Modelling the effect of biomass induced oxygen transfer limitations on the nitrogen removal performance of membrane bioreactor. <i>Journal of Membrane Science</i> , 2011, 368, 54-63.	4.1	30
67	Biodegradation kinetics of peptone and 2,6-dihydroxybenzoic acid by acclimated dual microbial culture. <i>Bioresource Technology</i> , 2011, 102, 567-575.	4.8	35
68	Is the naphthalene sulfonate H-acid biodegradable in mixed microbial cultures under aerobic conditions?. <i>Bioresource Technology</i> , 2011, 102, 5589-5595.	4.8	11
69	Effect of sludge age on simultaneous nitrification and denitrification in membrane bioreactor. <i>Bioresource Technology</i> , 2011, 102, 6665-6672.	4.8	61
70	Particle size distribution based evaluation of biodegradation and treatability for leachate from organic waste. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 1364-1373.	1.6	13
71	Effect of low dissolved oxygen on simultaneous nitrification and denitrification in a membrane bioreactor treating black water. <i>Bioresource Technology</i> , 2011, 102, 4333-4340.	4.8	127
72	Respirometric assessment of substrate binding by antibiotics in peptone biodegradation. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 1588-1597.	0.9	28

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73	COD fractionation and biodegradation kinetics of segregated domestic wastewater: black and grey water fractions. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 1241-1249.	1.6	46
74	Effect of aerobic stabilization on biomass activity. <i>Journal of Biotechnology</i> , 2010, 150, 35-35.	1.9	0
75	Fate of 2,6-dihydroxybenzoic acid and its inhibitory impact on the biodegradation of peptone under aerobic conditions. <i>Bioresource Technology</i> , 2010, 101, 2665-2671.	4.8	15
76	Biodegradation kinetics of 2,6-dihydroxybenzoic acid and peptone mixture by acclimated microbial culture at low sludge age. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 1885-1891.	0.9	7
77	Response of mixed microbial culture to 2,6-dihydroxybenzoic acid and peptone mixture at low sludge age—effect of culture history. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 875-882.	0.9	12
78	Biodegradation of a Tannery and Chemical Plant Producing Asetilsalisilikat Wastewater Mixture. , 2010, , 1117-1125.		0
79	Respirometric Evaluation of Strong Wastewater Activated Sludge Treatment for a Complex Chemical Industry. , 2010, , 1139-1148.		0
80	Respirometric evaluation of biodegradation characteristics of dairy wastewater for organic carbon removal. <i>Environmental Technology (United Kingdom)</i> , 2009, 30, 1169-1176.	1.2	21
81	Respirometric evaluation of a mixture of organic chemicals with different biodegradation kinetics. <i>Journal of Hazardous Materials</i> , 2009, 161, 35-41.	6.5	40
82	Influence of pH and temperature on soluble substrate generation with primary sludge fermentation. <i>Bioresource Technology</i> , 2009, 100, 380-386.	4.8	66
83	Validity of Monod kinetics at different sludge ages — Peptone biodegradation under aerobic conditions. <i>Bioresource Technology</i> , 2009, 100, 5678-5686.	4.8	70
84	Biodegradation kinetics of the soluble slowly biodegradable substrate in polyamide carpet finishing wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 34-40.	1.6	9
85	The effect of mixing pharmaceutical and tannery wastewaters on the biodegradation characteristics of the effluents. <i>Journal of Hazardous Materials</i> , 2008, 156, 292-299.	6.5	27
86	Substrate storage concepts in modeling activated sludge systems for tannery wastewaters. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 2159-2166.	0.9	7
87	Respirometric assessment of biodegradation for acrylic fibre-based carpet finishing wastewaters. <i>Water Science and Technology</i> , 2007, 55, 99-106.	1.2	6
88	Degree of Sulfate-Reducing Activities on COD Removal in Various Reactor Configurations in Anaerobic Glucose and Acetate-fed Reactors. <i>Clean - Soil, Air, Water</i> , 2007, 35, 178-182.	0.7	10
89	System Performance in UASB Reactors Receiving Increasing Levels of Sulfate. <i>Clean - Soil, Air, Water</i> , 2007, 35, 275-281.	0.7	5
90	Evaluation of Municipal and Industrial Wastewater Treatment Sludge Stabilization in Istanbul. <i>Clean - Soil, Air, Water</i> , 2007, 35, 558-564.	0.7	10

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91	The effect of substrate on the composition of polyhydroxyalkanoates in enhanced biological phosphorus removal. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 295-303.	1.6	18
92	Critical appraisal of respirometric methods for metal inhibition on activated sludge. <i>Journal of Hazardous Materials</i> , 2007, 139, 332-339.	6.5	45
93	Integrated photochemical and biological treatment of a commercial textile surfactant: Process optimization, process kinetics and COD fractionation. <i>Journal of Hazardous Materials</i> , 2007, 146, 453-458.	6.5	21
94	Effect of photochemical pre-treatment on COD fractionation of a non-ionic textile surfactant. <i>Water Science and Technology</i> , 2007, 55, 155-163.	1.2	9
95	Unified Basis for the Respirometric Evaluation of Inhibition for Activated Sludge. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006, 41, 1763-1780.	0.9	57
96	Effect of Perozonation on Biodegradability and Toxicity of a Penicillin Formulation Effluent. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006, 41, 1887-1897.	0.9	12
97	Accumulation of polyhydroxyalkanoates by <i>Microlunatus phosphovorus</i> under various growth conditions. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2006, 33, 215-220.	1.4	47
98	Respirometric Assessment of Primary Sludge Fermentation Products. <i>Journal of Environmental Engineering, ASCE</i> , 2006, 132, 68-74.	0.7	16
99	Biological treatability of raw and ozonated synthetic penicillin formulation effluent. <i>Water Science and Technology</i> , 2005, 52, 89-96.	1.2	7
100	Effect of primary sludge fermentation products on mass balance for biological treatment. <i>Water Science and Technology</i> , 2005, 51, 105-114.	1.2	13
101	The effect of temperature and sludge age on COD removal and nitrification in a moving bed sequencing batch biofilm reactor. <i>Water Science and Technology</i> , 2005, 51, 95-103.	1.2	18
102	Evaluation of the performance of the Tyson Foods wastewater treatment plant for nitrogen removal. <i>Water Science and Technology</i> , 2005, 51, 159-166.	1.2	62
103	Effect of primary sludge fermentation products on mass balance for biological treatment. <i>Water Science and Technology</i> , 2005, 51, 105-114.	1.2	1
104	Evaluation of the performance of the Tyson Foods wastewater treatment plant for nitrogen removal. <i>Water Science and Technology</i> , 2005, 51, 159-166.	1.2	18
105	Biological treatability of raw and ozonated synthetic penicillin formulation effluent. <i>Water Science and Technology</i> , 2005, 52, 89-96.	1.2	0
106	Alternatives for upgrading the Wilderness Wastewater Treatment Plant for biological nutrient removal. <i>Water Science and Technology</i> , 2004, 48, 453-462.	1.2	0
107	Effects of pH and Substrate on the Competition Between Glycogen and Phosphorus Accumulating Organisms. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2004, 39, 1695-1704.	0.9	5
108	Biological treatability of raw and ozonated penicillin formulation effluent. <i>Journal of Hazardous Materials</i> , 2004, 116, 159-166.	6.5	53

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109	Metabolic model for acetate uptake by a mixed culture of phosphate- and glycogen-accumulating organisms under anaerobic conditions. <i>Biotechnology and Bioengineering</i> , 2003, 84, 359-373.	1.7	85
110	The Effects of Diquat Dibromide on Biological Wastewater Treatment Plants. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2003, 38, 2453-2463.	0.9	6
111	Experimental Assessment of Optimum Operation Strategy for Large Industrial Wastewater Treatment Plantsâ€”A Case Study. <i>Environmental Engineering Science</i> , 2002, 19, 47-58.	0.8	5
112	Modification and expansion of a pure oxygen WWTP for biological nutrient removal (BNR). <i>Water Science and Technology</i> , 2001, 44, 167-167.	1.2	24
113	Performance and economics of BNR Plants in the Chesapeake Bay Watershed, USA. <i>Water Science and Technology</i> , 2000, 41, 21-28.	1.2	9
114	Experimental basis for the hydrolysis of slowly biodegradable substrate in different wastewaters. <i>Water Science and Technology</i> , 1999, 39, 87-95.	1.2	31
115	Characterization and Modeling of Activated Sludge for Tannery Wastewater. <i>Water Environment Research</i> , 1999, 71, 50-63.	1.3	48
116	Experimental basis for the hydrolysis of slowly biodegradable substrate in different wastewaters. <i>Water Science and Technology</i> , 1999, 39, 87.	1.2	15
117	Technological aspects of wastewater management in coastal tourist areas. <i>Water Science and Technology</i> , 1999, 39, 177.	1.2	9
118	Biological treatability of poultry processing plant effluent - a case study. <i>Water Science and Technology</i> , 1999, 40, 323.	1.2	7
119	Technological aspects of wastewater management in coastal tourist areas. <i>Water Science and Technology</i> , 1999, 39, 177-184.	1.2	7
120	Dual hydrolysis model of the slowly biodegradable substrate in activated sludge systems. <i>Biotechnology Letters</i> , 1998, 12, 737-741.	0.5	60
121	Modelling of activated sludge for textile wastewaters. <i>Water Science and Technology</i> , 1998, 38, 9.	1.2	42
122	The effect of chemical settling on the kinetics and design of activated sludge for tannery wastewaters. <i>Water Science and Technology</i> , 1998, 38, 355.	1.2	14
123	Respirometric analysis of activated sludge behaviourâ€”I. Assessment of the readily biodegradable substrate. <i>Water Research</i> , 1998, 32, 461-475.	5.3	109
124	Respirometric analysis of activated sludge behaviourâ€”II. Heterotrophic growth under aerobic and anoxic conditions. <i>Water Research</i> , 1998, 32, 476-488.	5.3	80
125	COD Fractionation in Wastewater Characterizationâ€”The State of the Art. <i>Journal of Chemical Technology and Biotechnology</i> , 1997, 68, 283-293.	1.6	105
126	Characterization and COD fractionation of domestic wastewaters. <i>Environmental Pollution</i> , 1997, 95, 191-204.	3.7	112

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127	Respirometric evaluation of the biodegradability of confectionary wastewaters. Water Science and Technology, 1995, 32, 11.	1.2	33
128	Modelling biological treatability for meat processing effluent. Water Science and Technology, 1995, 32, 43.	1.2	9
129	Effect of eco-friendly production technologies on wastewater characterization and treatment plant performance. Desalination and Water Treatment, 0, , 1-10.	1.0	2