Ahmed Tawfik

List of Publications by Year in Descending Order

160 papers	3,507 citations	33 h-index	49 g-index
171 ext. papers	4,368 ext. citations	6.7 avg, IF	6.15 L-index

#	Paper	IF	Citations
160	Full-scale application of a down-flow hanging sponge reactor combined with a primary sedimentation basin for domestic sewage treatment.. *Bioprocess and Biosystems Engineering*, **2022**, 45, 701	3.7	1
159	Values added products recovery from sludge **2022**, 373-380		
158	Anaerobic wastewater treatment for energy recovery and water reclamation **2022**, 95-104		
157	Energy Recovery from Fat, Oil and Grease (FOG) **2022**, 309-327		
156	Sustainable microalgal biomass valorization to bioenergy: Key challenges and future perspectives.. *Chemosphere*, **2022**, 133812	8.4	1
155	Harvesting biohydrogen from industrial wastewater: Production potential, pilot-scale bioreactors, commercialization status, techno-economics, and policy analysis. *Journal of Cleaner Production*, **2022**, 340, 130809	10.3	5
154	Valorization of algal cells for biomass and bioenergy production from wastewater: Sustainable strategies, challenges, and techno-economic limitations. *Renewable and Sustainable Energy Reviews*, **2022**, 157, 112024	16.2	4
153	Graphene enhanced detoxification of wastewater rich 4-nitrophenol in multistage anaerobic reactor followed by baffled high-rate algal pond. *Journal of Hazardous Materials*, **2022**, 424, 127395	12.8	4
152	Unraveling the metabolic shift in anaerobic digestion pathways associated with the alteration of onion skin waste concentration. *Environmental Research*, **2022**, 212, 113494	7.9	0
151	Sustainable fermentation approach for biogenic hydrogen productivity from delignified sugarcane bagasse. *International Journal of Hydrogen Energy*, **2021**,	6.7	3
150	The environmental distribution and removal of emerging pollutants, highlighting the importance of using microbes as a potential degrader: A review. *Science of the Total Environment*, **2021**, 809, 151926	10.2	5
149	Economic and environmental sustainability for anaerobic biological treatment of wastewater from paper and cardboard manufacturing industry. *Chemosphere*, **2021**, 289, 133166	8.4	2
148	Future perspectives of energy saving down-flow hanging sponge (DHS) technology for wastewater valorization□ review. *Reviews in Environmental Science and Biotechnology*, **2021**, 20, 389-418	13.9	4
147	Response of anammox bacteria to short-term exposure of 1,4-dioxane: Bacterial activity and community dynamics. *Separation and Purification Technology*, **2021**, 266, 118539	8.3	5
146	Fatigue of anammox consortia under long-term 1,4-dioxane exposure and recovery potential: N-kinetics and microbial dynamics. *Journal of Hazardous Materials*, **2021**, 414, 125533	12.8	8
145	Energy saving anammox technology-based nitrogen removal and bioenergy recovery from wastewater: Inhibition mechanisms, state-of-the-art control strategies, and prospects. *Renewable and Sustainable Energy Reviews*, **2021**, 135, 110126	16.2	37
144	Greenhouse gases emissions from duckweed pond system treating polyester resin wastewater containing 1,4-dioxane and heavy metals. *Ecotoxicology and Environmental Safety*, **2021**, 207, 111253	7	9

143	Intermittent versus sequential dark-photo fermentative hydrogen production as an alternative for bioenergy recovery from protein-rich effluents. *Energy*, **2021**, 217, 119326	7.9	7
142	Advances towards understanding long chain fatty acids-induced inhibition and overcoming strategies for efficient anaerobic digestion process. *Water Research*, **2021**, 190, 116732	12.5	32
141	2-biofuels (H2 and CH4) production from anaerobic digestion of biscuits wastewater: Experimental study and techno-economic analysis. *Journal of Water Process Engineering*, **2021**, 39, 101736	6.7	10
140	Measuring the engineering properties of landfill leachate-contaminated soil in Egypt. *Euro-Mediterranean Journal for Environmental Integration*, **2021**, 6, 1	1.7	1
139	Predictive performance of auto-aerated immobilized biomass reactor treating anaerobic effluent of cardboard wastewater enriched with bronopol (2-bromo-2-nitropropan-1,3-diol) via artificial neural network. *Environmental Technology and Innovation*, **2021**, 21, 101327	7	7
138	Dynamic approach for mono- and di-fermentation of black liquor and livestock wastewater for 2-bio-(H2&CH4) production. *Biomass and Bioenergy*, **2021**, 145, 105947	5.3	8
137	Fermentation-based nanoparticle systems for sustainable conversion of black-liquor into biohydrogen. *Journal of Cleaner Production*, **2021**, 309, 127349	10.3	13
136	Recent Approaches for the Production of High Value-Added Biofuels from Gelatinous Wastewater. *Energies*, **2021**, 14, 4936	3.1	2
135	Dual production of hydrogen and biochar from industrial effluent containing phenolic compounds. *Fuel*, **2021**, 301, 121087	7.1	11
134	Co-metabolism based adaptation of anaerobes to phenolic saline wastewater in a two-phase reactor enables efficient treatment and bioenergy recovery. *Energy Conversion and Management*, **2021**, 247, 114722	10.6	3
133	Strengthen "the sustainable farm" concept via efficacious conversion of farm wastes into methane. *Bioresource Technology*, **2021**, 341, 125838	11	6
132	Using the Egyptian magnesite for preparation of some types of grinding stones. *Journal of the Korean Ceramic Society*, **2020**, 57, 296-304	2.2	1
131	Techno-economic feasibility of energy-saving self-aerated sponge tower combined with up-flow anaerobic sludge blanket reactor for treatment of hazardous landfill leachate. *Journal of Water Process Engineering*, **2020**, 37, 101415	6.7	13
130	Mechanistic and economic assessment of polyester wastewater treatment via baffled duckweed pond. *Journal of Water Process Engineering*, **2020**, 35, 101179	6.7	11
129	Robustness of anaerobes exposed to cyanuric acid contaminated wastewater and achieving efficient removal via optimized co-digestion scheme. *Journal of Advanced Research*, **2020**, 24, 211-222	13	2
128	Paperboard mill wastewater treatment via combined dark and LED-mediated fermentation in the absence of external chemical addition. *Bioresource Technology*, **2020**, 295, 122312	11	14
127	Integrated dark-photo fermentative hydrogen production from synthetic gelatinaceous wastewater via cost-effective hybrid reactor at ambient temperature. *Energy Conversion and Management*, **2020**, 203, 112250	10.6	24
126	A simple approach to synthesis uniform 3D hollow yttrium oxide spheres using a hydrothermal scheme. *Materials Chemistry and Physics*, **2020**, 242, 122530	4.4	3

125	Effect of Water Shortage and Pollution of Irrigation Water on Water Reuse for Irrigation in the Nile Delta. *Journal of Irrigation and Drainage Engineering - ASCE*, **2020**, 146, 05019013	1.1	6
124	Effect of hazardous industrial solid waste landfill leachate on the geotechnical properties of clay. *Arabian Journal of Geosciences*, **2020**, 13, 1	1.8	4
123	Developing empirical formulas for assessing the scour of vertical and inclined piers. *Marine Georesources and Geotechnology*, **2020**, 38, 133-143	2.2	5
122	Potentials of duckweed (Lemna gibba) for treatment of 1,4-dioxane containing wastewater using duckweed multi-ponds system. *Energy Procedia*, **2019**, 157, 676-682	2.3	3
121	Biological hydrogen gas production from gelatinaceous wastewater via stand-alone circular dark/photo baffled fermenter. *Energy Procedia*, **2019**, 157, 670-675	2.3	5
120	Physico-chemical and microbial characterization of compartment-wise profiles in an anammox baffled reactor. *Journal of Environmental Management*, **2019**, 232, 875-886	7.9	23
119	Nutrients balance for hydrogen potential upgrading from fruit and vegetable peels via fermentation process. *Journal of Environmental Management*, **2019**, 242, 384-393	7.9	20
118	Hydrogen and methane bio-production and microbial community dynamics in a multi-phase anaerobic reactor treating saline industrial wastewater. *Energy Conversion and Management*, **2019**, 186, 1-14	10.6	22
117	Upgrading continuous H2 gas recovery from rice straw hydrolysate via fermentation process amended with magnetite nanoparticles. *International Journal of Energy Research*, **2019**, 43, 3516-3527	4.5	21
116	Health Impact of Agricultural Drainage Water for Farmers in the West Nile Delta. *International Journal of Environmental Research*, **2019**, 13, 319-325	2.9	4
115	Hydrotalcite and hydrocalumite as resources from waste materials of concrete aggregate and Al-dross by microwave-hydrothermal process. *Construction and Building Materials*, **2019**, 207, 10-16	6.7	9
114	Hydromorphological Numerical Model of the Local Scour Process Around Bridge Piers. *Arabian Journal for Science and Engineering*, **2019**, 44, 4183-4199	2.5	12
113	Regulating acidogenesis and methanogenesis for the separated bio-generation of hydrogen and methane from saline-to-hypersaline industrial wastewater. *Journal of Environmental Management*, **2019**, 250, 109546	7.9	14
112	Molecular traits of phenolic moieties in dissolved organic matter: Linkages with membrane fouling development. *Environment International*, **2019**, 133, 105202	12.9	9
111	Harvesting zero waste from co-digested fruit and vegetable peels via integrated fermentation and pyrolysis processes. *Environmental Science and Pollution Research*, **2019**, 26, 10429-10438	5.1	15
110	Evaluation and optimization of anammox baffled reactor (AnBR) by artificial neural network modeling and economic analysis. *Bioresource Technology*, **2019**, 271, 500-506	11	35
109	Enhanced fermentative hydrogen production from industrial wastewater using mixed culture bacteria incorporated with iron, nickel, and zinc-based nanoparticles. *Water Research*, **2019**, 151, 349-361	12.5	48
108	Mapping daily and seasonally evapotranspiration using remote sensing techniques over the Nile delta. *Agricultural Water Management*, **2019**, 213, 682-692	5.9	23

107	Psychrophilic hydrogen production from petrochemical wastewater via anaerobic sequencing batch reactor: techno-economic assessment and kinetic modelling. *International Journal of Hydrogen Energy*, **2019**, 44, 5189-5202	6.7	21
106	Treatment of hypersaline hazardous landfill leachate using a baffled constructed wetland system: effect of granular packing media and vegetation. *Environmental Technology (United Kingdom)*, **2019**, 40, 518-528	2.6	5
105	Effect of starvation period on microbial community producing hydrogen from paperboard mill wastewater using anaerobic baffled reactor. *Environmental Technology (United Kingdom)*, **2019**, 40, 2389-2399	2.6	5
104	Post-treatment of anaerobic effluent containing 1,4-dioxane and heavy metals via auto-aerated down-flow hanging luffa (ADHL) system. *Chemical Engineering Research and Design*, **2018**, 117, 22-32	5.5	17
103	Plaster composites modified morphology with enhanced compressive strength and water resistance characteristics. *Construction and Building Materials*, **2018**, 167, 55-64	6.7	12
102	Maximization of hydrogen fermentative process from delignified water hyacinth using sodium chlorite. *Energy Conversion and Management*, **2018**, 157, 257-265	10.6	29
101	Geotechnical properties of the soils contaminated with oils, landfill leachate, and fertilizers. *Arabian Journal of Geosciences*, **2018**, 11, 1	1.8	17
100	Developing empirical formulas for assessing the hydrodynamic behaviour of serrated and slotted seawalls. *Ocean Engineering*, **2018**, 159, 388-409	3.9	2
99	Numerical study of local scour around bridge piers. *IOP Conference Series: Earth and Environmental Science*, **2018**, 151, 012013	0.3	5
98	Potentials of using mixed culture bacteria incorporated with sodium bicarbonate for hydrogen production from water hyacinth. *Bioresource Technology*, **2018**, 263, 365-374	11	25
97	Assessment and data assimilation of agricultural drainage water for reuse in irrigation purposes **2018**,		1
96	Heat-Treated Portland Cement Pastes Incorporating Superabsorbent Hydrogels for Precast Applications. *InterCeram: International Ceramic Review*, **2018**, 67, 30-37	0.3	1
95	Using Remote Sensing Techniques for Estimating Water Stress Index for Central of Nile Delta. *IOP Conference Series: Earth and Environmental Science*, **2018**, 151, 012026	0.3	3
94	Carbon emissions reduction by catalyzing H2 gas harvested from water hyacinth fermentation process using metallic salts. *Energy Procedia*, **2018**, 152, 1254-1259	2.3	19
93	Assessment of Irrigation Water Performance in the Nile Delta Using Remotely Sensed Data. *Water (Switzerland)*, **2018**, 10, 1375	3	8
92	Investigation of optimum conditions and costs estimation for degradation of phenol by solar photo-Fenton process. *Applied Water Science*, **2017**, 7, 375-382	5	20
91	Biological H potential harvested from complex gelatinaceous wastewater via attached versus suspended growth culture anaerobes. *Bioresource Technology*, **2017**, 231, 9-18	11	35
90	Nickel-graphene nanocomposite as a novel supplement for enhancement of biohydrogen production from industrial wastewater containing mono-ethylene glycol. *Energy Conversion and Management*, **2017**, 140, 133-144	10.6	76

89	Baffled duckweed pond system for treatment of agricultural drainage water containing pharmaceuticals. *International Journal of Phytoremediation*, **2017**, 19, 774-780	3.9	11
88	Self-dark fermentation of lipids rich wastewater for 2-biofuels (H2 and Et-OH) production. *Chemical Engineering Research and Design*, **2017**, 109, 257-267	5.5	9
87	Bioethanol production from paperboard mill sludge using acid-catalyzed bio-derived choline acetate ionic liquid pretreatment followed by fermentation process. *Energy Conversion and Management*, **2017**, 145, 255-264	10.6	28
86	Hythane (H2 and CH4) production from unsaturated polyester resin wastewater contaminated by 1,4-dioxane and heavy metals via up-flow anaerobic self-separation gases reactor. *Energy Conversion and Management*, **2017**, 152, 342-353	10.6	18
85	Innovative Aerobic Technology for Wastewater Treatment for Reuse in Agriculture. *Handbook of Environmental Chemistry*, **2017**, 375-391	0.8	1
84	Factors affecting on hythane bio-generation via anaerobic digestion of mono-ethylene glycol contaminated wastewater: Inoculum-to-substrate ratio, nitrogen-to-phosphorus ratio and pH. *Bioresource Technology*, **2017**, 223, 10-19	11	24
83	Simultaneous Hydrogen and Methane Production Through Multi-Phase Anaerobic Digestion of Paperboard Mill Wastewater Under Different Operating Conditions. *Applied Biochemistry and Biotechnology*, **2017**, 181, 142-156	3.2	26
82	Polyhydroxyalkanoates production from fermented paperboard mill wastewater using acetate-enriched bacteria. *Clean Technologies and Environmental Policy*, **2017**, 19, 935-947	4.3	19
81	Biological hydrogen promotion via integrated fermentation of complex agro-industrial wastes. *Applied Energy*, **2017**, 185, 929-938	10.7	40
80	Potential of using non-inoculated self-aerated immobilized biomass reactor for post-treatment of upflow anaerobic staged reactor treating high strength industrial wastewater. *Journal of Chemical Technology and Biotechnology*, **2017**, 92, 1065-1075	3.5	8
79	Development of Dry Anaerobic Technologies of Bio-waste and Unlock the Barriers for Valorization **2017**, 267-282		2
78	Comprehensive study for Anammox process via multistage anaerobic baffled reactors. *E3S Web of Conferences*, **2017**, 22, 00068	0.5	8
77	DECOLORIZING OF REACTIVE DYES WASTEWATER VIA DOWN-FLOW HANGING SPONGE (DHS) SYSTEM. *Environmental Engineering and Management Journal*, **2017**, 16, 39-46	0.6	2
76	Treatment of hazardous landfill leachate using Fenton process followed by a combined (UASB/DHS) system. *Water Science and Technology*, **2016**, 73, 1700-8	2.2	21
75	Magnetite/graphene oxide nano-composite for enhancement of hydrogen production from gelatinaceous wastewater. *Bioresource Technology*, **2016**, 216, 520-8	11	44
74	Solar photocatalytic degradation of phenol by TiO2/AC prepared by temperature impregnation method. *Desalination and Water Treatment*, **2016**, 57, 835-844		34
73	Enhancement of photocatalytic activity of TiO2 by immobilization on activated carbon for degradation of pharmaceuticals. *Journal of Environmental Chemical Engineering*, **2016**, 4, 1929-1937	6.8	112
72	Phytoremediation of Drainage Water Containing Mono Ethylene Glycol Using a Duckweed (Lemna gibba) Pond System. *Journal of Environmental Engineering, ASCE*, **2016**, 142, 04016014	2	4

71	Simulation-based optimization framework for reuse of agricultural drainage water in irrigation. *Journal of Environmental Management*, **2016**, 172, 82-96	7.9	16
70	Multi-objective models of waste load allocation toward a sustainable reuse of drainage water in irrigation. *Environmental Science and Pollution Research*, **2016**, 23, 11823-34	5.1	13
69	Inoculation of paperboard mill sludge versus mixed culture bacteria for hydrogen production from paperboard mill wastewater. *Environmental Science and Pollution Research*, **2016**, 23, 3834-46	5.1	22
68	Improved WO3 photocatalytic efficiency using ZrO2 and Ru for the degradation of carbofuran and ampicillin. *Journal of Hazardous Materials*, **2016**, 302, 225-231	12.8	84
67	K-Based Geopolymer from metakaolin: roles of K/Al ratio and water or steam Curing at different temperatures. *Materiales De Construccion*, **2016**, 66, e081	1.8	2
66	Pathways of 3-biofules (hydrogen, ethanol and methane) production from petrochemical industry wastewater via anaerobic packed bed baffled reactor inoculated with mixed culture bacteria. *Energy Conversion and Management*, **2016**, 122, 119-130	10.6	37
65	Performance of passive aerated immobilized biomass reactor coupled with Fenton process for treatment of landfill leachate. *International Biodeterioration and Biodegradation*, **2016**, 111, 22-30	4.8	25
64	Mathematical modeling of bio-hydrogen production from starch wastewater via up-flow anaerobic staged reactor. *Desalination and Water Treatment*, **2015**, 54, 50-58		11
63	A simulation-based suitability index of the quality and quantity of agricultural drainage water for reuse in irrigation. *Science of the Total Environment*, **2015**, 536, 79-90	10.2	27
62	Potential of biohydrogen production from organic fraction of municipal solid waste (OFMSW) using pilot-scale dry anaerobic reactor. *Bioresource Technology*, **2015**, 196, 9-16	11	37
61	Surfactant-enhanced biohydrogen production from organic fraction of municipal solid waste (OFMSW) via dry anaerobic digestion. *Applied Energy*, **2015**, 149, 272-282	10.7	47
60	Surfactant-supplemented mixed bacterial cultures to produce hydrogen from paperboard mill wastewater. *Engineering in Life Sciences*, **2015**, 15, 525-532	3.4	8
59	Hythane (H2□+□CH4) production from petrochemical wastewater containing mono-ethylene glycol via stepped anaerobic baffled reactor. *International Biodeterioration and Biodegradation*, **2015**, 105, 252-261	4.8	35
58	Comparison of solar TiO 2 photocatalysis and solar photo-Fenton for treatment of pesticides industry wastewater: Operational conditions, kinetics, and costs. *Journal of Water Process Engineering*, **2015**, 8, 55-63	6.7	131
57	Use of Carica Papaya Enzymes for Enhancement of H2 Production and Degradation of Glucose, Protein, and Lipids. *Energy Procedia*, **2015**, 75, 975-980	2.3	20
56	Treatment of Drainage Water Containing Pharmaceuticals Using Duckweed (Lemna gibba). *Energy Procedia*, **2015**, 74, 973-980	2.3	14
55	Effect of Hydraulic Retention Time on Hydrogen Production from the Dark Fermentation of Petrochemical Effluents Contaminated with Ethylene Glycol. *Energy Procedia*, **2015**, 74, 1071-1078	2.3	21
54	Continuous Biological Treatment of Paperboard Mill Wastewater along with Hydrogen Production. *Energy Procedia*, **2015**, 74, 926-932	2.3	3

53	Degradation of four pharmaceuticals by solar photo-Fenton process: Kinetics and costs estimation. *Journal of Environmental Chemical Engineering*, **2015**, 3, 46-51	6.8	114
52	Continuous biohydrogen production from starch wastewater via sequential dark-photo fermentation with emphasize on maghemite nanoparticles. *Journal of Industrial and Engineering Chemistry*, **2015**, 21, 500-506	6.3	76
51	Efficient Anaerobic Co-Digestion of Municipal Food Waste and Kitchen Wastewater for Bio-Hydrogen Production. *International Journal of Green Energy*, **2015**, 12, 1301-1308	3	15
50	Dry anaerobic co-digestion of organic fraction of municipal waste with paperboard mill sludge and gelatin solid waste for enhancement of hydrogen production. *Bioresource Technology*, **2015**, 191, 157-65	11	53
49	Fate of parasites and pathogenic bacteria in an anaerobic hybrid reactor followed by downflow hanging sponge system treating domestic wastewater. *Environmental Science and Pollution Research*, **2015**, 22, 12235-45	5.1	8
48	REMOVAL OF HEAVY METALS USING BACTERIAL BIO-FLOCCULANTS OF BACILLUS SP. AND PSEUDOMONAS SP.. *Journal of Environmental Engineering and Landscape Management*, **2015**, 23, 288-294	1.1	13
47	Optimization of hydrogen production from organic fraction of municipal solid waste (OFMSW) dry anaerobic digestion with analysis of microbial community. *International Journal of Energy Research*, **2015**, 39, 929-940	4.5	32
46	Use of mixed culture bacteria for photofermentive hydrogen of dark fermentation effluent. *Bioresource Technology*, **2014**, 168, 119-26	11	24
45	Optimization of hydrogen production from pretreated rice straw waste in a mesophilic up-flow anaerobic staged reactor. *International Journal of Energy Research*, **2014**, 38, 1155-1161	4.5	7
44	Effect of some waste additives on the physical and mechanical properties of gypsum plaster composites. *Construction and Building Materials*, **2014**, 68, 580-586	6.7	38
43	Potentials of using duckweed (Lemna gibba) for treatment of drainage water for reuse in irrigation purposes. *Desalination and Water Treatment*, **2014**, 1-9		7
42	Optimization of integrated water quality management for agricultural efficiency and environmental conservation. *Environmental Science and Pollution Research*, **2014**, 21, 8095-111	5.1	30
41	Degradation of reactive dyes wastewater supplemented with cationic polymer (Organo Pol.) in a down flow hanging sponge (DHS) system. *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 2059-2065	6.3	27
40	Key factors affecting on bio-hydrogen production from co-digestion of organic fraction of municipal solid waste and kitchen wastewater. *Bioresource Technology*, **2014**, 168, 106-11	11	33
39	Assessment of the performance of a down-flow hanging sponge system for treatment of agricultural drainage water. *Desalination and Water Treatment*, **2014**, 52, 6369-6376		4
38	Modeling and profile analysis of a down-flow hanging sponge system treating agricultural drainage water. *Separation and Purification Technology*, **2013**, 116, 87-94	8.3	12
37	Factors affecting hydrogen production from rice straw wastes in a mesophillic up-flow anaerobic staged reactor. *Renewable Energy*, **2013**, 50, 402-407	8.1	23
36	Simulation-Optimization Model for Intermediate Reuse of Agriculture Drainage Water in Egypt. *Journal of Environmental Engineering, ASCE*, **2013**, 139, 391-401	2	11

35	Treatment of agricultural drainage water via downflow hanging sponge system for reuse in agriculture. *Water Science and Technology: Water Supply*, **2013**, 13, 403-412	1.4	8
34	Effect of thermal pre-treatment on inoculum sludge to enhance bio-hydrogen production from alkali hydrolysed rice straw in a mesophilic anaerobic baffled reactor. *Environmental Technology (United Kingdom)*, **2013**, 34, 1965-72	2.6	32
33	Environmental and Economic Aspects of Hydrogen and Methane Production from Starch Wastewater Industry. *Journal of Water and Environment Technology*, **2013**, 11, 463-475	1.1	16
32	Biological Hydrogen Production from Starch Wastewater Using a Novel Up-flow Anaerobic Staged Reactor. *BioResources*, **2013**, 8,	1.3	9
31	Effect of different forms of silica on the physical and mechanical properties of gypsum plaster composites. *Materiales De Construccion*, **2013**, 63, 529-537	1.8	16
30	The effect of organic loading rate on bio-hydrogen production from pre-treated rice straw waste via mesophilic up-flow anaerobic reactor. *Bioresource Technology*, **2012**, 107, 186-90	11	33
29	Continuous hydrogen production from co-digestion of municipal food waste and kitchen wastewater in mesophilic anaerobic baffled reactor. *Bioresource Technology*, **2012**, 114, 270-4	11	80
28	Sewage treatment in an up-flow anaerobic sponge reactor followed by moving bed biofilm reactor based on polyurethane carrier material. *Desalination and Water Treatment*, **2012**, 37, 350-358		18
27	Anaerobic biodegradation of personnel care products (PCPs) wastewater in an up-flow anaerobic sludge blanket (UASB) reactor. *Desalination and Water Treatment*, **2012**, 41, 232-239		7
26	Treatment of fruit-juice industry wastewater in a two-stage anaerobic hybrid (AH) reactor system followed by a sequencing batch reactor (SBR). *Environmental Technology (United Kingdom)*, **2012**, 33, 429-36	2.6	14
25	Polyurethane Trickling Filter in Combination with Anaerobic Hybrid Reactor for Treatment of Tomato Industry Wastewater **2012**,		4
24	Two stage anaerobic baffled reactors for bio-hydrogen production from municipal food waste. *Bioresource Technology*, **2011**, 102, 8723-6	11	52
23	Effect of hydraulic retention time on the performance of down-flow hanging sponge system treating grey wastewater. *Bioprocess and Biosystems Engineering*, **2011**, 34, 767-76	3.7	27
22	Use of down-flow hanging sponge (DHS) reactor as a promising post-treatment system for municipal wastewater. *Chemical Engineering Journal*, **2011**, 168, 535-543	14.7	42
21	Performance of down-flow hanging sponge (DHS) reactor coupled with up-flow anaerobic sludge blanket (UASB) reactor for treatment of onion dehydration wastewater. *Bioresource Technology*, **2011**, 102, 7029-35	11	27
20	Simultaneous Organic and Nutrient Removal in a Naturally Ventilated Biotower Treating Presettled Municipal Wastewater. *Journal of Environmental Engineering, ASCE*, **2010**, 136, 301-307	2	20
19	Treatment of domestic wastewater in an up-flow anaerobic sludge blanket reactor followed by moving bed biofilm reactor. *Bioprocess and Biosystems Engineering*, **2010**, 33, 267-76	3.7	36
18	Effect of sponge volume on the performance of down-flow hanging sponge system treating UASB reactor effluent. *Bioprocess and Biosystems Engineering*, **2010**, 33, 779-85	3.7	21

17	Polyurethane rotating disc system for post-treatment of anaerobically pre-treated sewage. *Journal of Environmental Management*, **2010**, 91, 1183-92	7.9	13
16	Comparative study between chemical coagulation/precipitation (C/P) versus coagulation/dissolved air flotation (C/DAF) for pre-treatment of personal care products (PCPs) wastewater. *Desalination*, **2010**, 252, 106-112	10.3	86
15	Treatment of high strength wastewater from fruit juice industry using integrated anaerobic/aerobic system. *Desalination*, **2010**, 253, 158-163	10.3	56
14	Decolorization and COD reduction of disperse and reactive dyes wastewater using chemical-coagulation followed by sequential batch reactor (SBR) process. *Desalination*, **2009**, 249, 1159-1164	10.3	126
13	Potentials of anaerobic treatment for catalytically oxidized olive mill wastewater (OMW). *Bioresource Technology*, **2009**, 100, 2147-54	11	34
12	Sewage treatment using an integrated system consisting of anaerobic hybrid reactor (AHR) and downflow hanging sponge (DHS). *Desalination and Water Treatment*, **2009**, 4, 168-176		23
11	Optimization of the performance of an integrated anaerobic-aerobic system for domestic wastewater treatment. *Water Science and Technology*, **2008**, 58, 185-94	2.2	34
10	Treatment of a combined dairy and domestic wastewater in an up-flow anaerobic sludge blanket (UASB) reactor followed by activated sludge (AS system). *Desalination*, **2008**, 227, 167-177	10.3	87
9	The influence of physical-chemical and biological factors on the removal of faecal coliform through down-flow hanging sponge (DHS) system treating UASB reactor effluent. *Water Research*, **2006**, 40, 1877-83	12.5	31
8	Sewage treatment in a combined up-flow anaerobic sludge blanket (UASB)–down-flow hanging sponge (DHS) system. *Biochemical Engineering Journal*, **2006**, 29, 210-219	4.2	78
7	Sewage Treatment in a Rotating Biological Contactor (RBC) System. *Water, Air, and Soil Pollution*, **2006**, 175, 275-289	2.6	20
6	Potentials of using a rotating biological contactor (RBC) for post-treatment of anaerobically pre-treated domestic wastewater. *Biochemical Engineering Journal*, **2005**, 25, 89-98	4.2	30
5	Physico-chemical factors affecting the E. coli removal in a rotating biological contactor (RBC) treating UASB effluent. *Water Research*, **2004**, 38, 1081-8	12.5	20
4	Treatment of domestic sewage in a combined UASB/RBC system. Process optimization for irrigation purposes. *Water Science and Technology*, **2003**, 48, 131-138	2.2	19
3	Treatment of anaerobically pre-treated domestic sewage by a rotating biological contactor. *Water Research*, **2002**, 36, 147-55	12.5	48
2	Degradation pathways of 1,4-dioxane in biological and advanced oxidation processes178, 360-386		5
1	Solar photo-oxidation of recalcitrant industrial wastewater: a review. *Environmental Chemistry Letters*,1	13.3	5