

Joan Dosta

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

2,370
citations

23
h-index

48
g-index

61
ext. papers

2,742
ext. citations

7.3
avg, IF

5.18
L-index

#	Paper	IF	Citations
59	Impact of permeate flux and gas sparging rate on membrane performance and process economics of granular anaerobic membrane bioreactors.. <i>Science of the Total Environment</i> , 2022 , 153907	10.2	0
58	Techno-economic analysis of forward osmosis pre-concentration before an anaerobic membrane bioreactor: Impact of draw solute and membrane material. <i>Journal of Cleaner Production</i> , 2022 , 131776	10.3	
57	Ammonia recovery from acidogenic fermentation effluents using a gas-permeable membrane contactor.. <i>Bioresource Technology</i> , 2022 , 356, 127273	11	1
56	Potential of anaerobic co-fermentation in wastewater treatments plants: A review.. <i>Science of the Total Environment</i> , 2021 , 152498	10.2	0
55	Nitrogen recovery from pig slurry by struvite precipitation using a low-cost magnesium oxide. <i>Science of the Total Environment</i> , 2021 , 768, 144284	10.2	6
54	Co-digestion of sewage sludge and food waste in a wastewater treatment plant based on mainstream anaerobic membrane bioreactor technology: A techno-economic evaluation. <i>Bioresource Technology</i> , 2021 , 330, 124978	11	15
53	Unravelling the economics behind mainstream anaerobic membrane bioreactor application under different plant layouts. <i>Bioresource Technology</i> , 2021 , 319, 124170	11	6
52	Anaerobic membrane bioreactor performance at different wastewater pre-concentration factors: An experimental and economic study. <i>Science of the Total Environment</i> , 2021 , 750, 141625	10.2	5
51	Assessing the potential of waste activated sludge and food waste co-fermentation for carboxylic acids production. <i>Science of the Total Environment</i> , 2021 , 757, 143763	10.2	10
50	Understanding the Anaerobic Digestibility of Lignocellulosic Substrates Using Rumen Content as a Cosubstrate and an Inoculum. <i>ACS ES&T Engineering</i> , 2021 , 1, 424-435		3
49	Advances in anaerobic membrane bioreactor technology for municipal wastewater treatment: A 2020 updated review. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 130, 109936	16.2	46
48	Volatile fatty acids production from biowaste at mechanical-biological treatment plants: Focusing on fermentation temperature. <i>Bioresource Technology</i> , 2020 , 314, 123729	11	24
47	Techno-economic analysis of combining forward osmosis-reverse osmosis and anaerobic membrane bioreactor technologies for municipal wastewater treatment and water production. <i>Bioresource Technology</i> , 2020 , 297, 122395	11	30
46	Exploring the potential of co-fermenting sewage sludge and lipids in a resource recovery scenario. <i>Bioresource Technology</i> , 2020 , 300, 122561	11	8
45	Volatile fatty acid production from mesophilic acidogenic fermentation of organic fraction of municipal solid waste and food waste under acidic and alkaline pH. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 35509-35522	5.1	56
44	Biological nitrification control by addition of folic acid in a petrochemical wastewater treatment focused on organic matter removal. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 102935	6.8	2
43	Enhancement of Volatile Fatty Acids Production from Food Waste by Mature Compost Addition. <i>Molecules</i> , 2019 , 24,	4.8	5

42	Simultaneous ammonium and phosphate recovery and stabilization from urban sewage sludge anaerobic digestates using reactive sorbents. <i>Science of the Total Environment</i> , 2018 , 630, 781-789	10.2	25
41	Acidogenic Fermentation and Anaerobic Co-digestion of Mechanically Sorted OFMSW and Polyethylene Glycol. <i>Waste and Biomass Valorization</i> , 2018 , 9, 2319-2326	3.2	5
40	Effect of the mixed liquor parameters on sludge settling for a petrochemical activated sludge system including an aerobic selector. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 1062-1071	6.8	3
39	Mainstream Deammonification: Preliminary Experience Employing Granular AOB-Enriched Biomass at Low DO Values. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	5
38	Sludge settling enhancement in a pilot scale activated sludge process treating petrochemical wastewater by implementing aerobic or anoxic selectors. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 3472-3482	6.8	7
37	Influence of hydraulic retention time, food-to-microorganism ratio and influent biodegradability on the performance of an aerobic selector treating petrochemical wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 5033-5042	6.8	4
36	Detrimental effects of magnesium (II) on hydroxyapatite precipitation from synthetic industrial brines. <i>Chemical Engineering Journal</i> , 2016 , 283, 572-581	14.7	10
35	Integrating the selection of PHA storing biomass and nitrogen removal via nitrite in the main wastewater treatment line. <i>Bioresource Technology</i> , 2016 , 200, 820-9	11	47
34	Impact of paper and cardboard suppression on OFMSW anaerobic digestion. <i>Waste Management</i> , 2016 , 56, 100-5	8.6	18
33	Start-up and operation of an AnMBR for winery wastewater treatment. <i>Ecological Engineering</i> , 2016 , 86, 279-289	3.9	23
32	Aerobic/anoxic post-treatment of anaerobically digested sewage sludge as an alternative to biological nitrogen removal from reject water. <i>Bioprocess and Biosystems Engineering</i> , 2015 , 38, 823-31	3.7	1
31	Two-step partial nitrification/Anammox process in granulation reactors: Start-up operation and microbial characterization. <i>Journal of Environmental Management</i> , 2015 , 164, 196-205	7.9	36
30	Anaerobic co-digestion of sewage sludge and fruit wastes: Evaluation of the transitory states when the co-substrate is changed. <i>Chemical Engineering Journal</i> , 2015 , 262, 1268-1274	14.7	81
29	Evaluation of hydroxyapatite crystallization in a batch reactor for the valorization of alkaline phosphate concentrates from wastewater treatment plants using calcium chloride. <i>Chemical Engineering Journal</i> , 2015 , 267, 142-152	14.7	55
28	A critical review on anaerobic co-digestion achievements between 2010 and 2013. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 36, 412-427	16.2	640
27	Comparison of aerobic granulation and anaerobic membrane bioreactor technologies for winery wastewater treatment. <i>Water Science and Technology</i> , 2014 , 69, 320-7	2.2	13
26	Influence of temperature on the partial nitrification of reject water in a granular sequencing batch reactor. <i>Environmental Technology (United Kingdom)</i> , 2013 , 34, 2625-32	2.6	3
25	Short- and long-term effects of ammonium and nitrite on the Anammox process. <i>Journal of Environmental Management</i> , 2012 , 95 Suppl, S170-4	7.9	156

24	ORP slope and feast/famine strategy as the basis of the control of a granular sequencing batch reactor treating winery wastewater. <i>Biochemical Engineering Journal</i> , 2012 , 68, 190-198	4.2	29
23	Partial nitrification of sludge reject water using suspended and granular biomass. <i>Journal of Chemical Technology and Biotechnology</i> , 2011 , 86, 1480-1487	3.5	18
22	Phenol removal from hypersaline wastewaters in a Membrane Biological Reactor (MBR): operation and microbiological characterisation. <i>Bioresource Technology</i> , 2011 , 102, 4013-20	11	36
21	Codigestion of solid wastes: a review of its uses and perspectives including modeling. <i>Critical Reviews in Biotechnology</i> , 2011 , 31, 99-111	9.4	190
20	Partial nitrification of sludge reject water by means of aerobic granulation. <i>Water Science and Technology</i> , 2011 , 64, 1906-12	2.2	9
19	Start-up of an aerobic granular sequencing batch reactor for the treatment of winery wastewater. <i>Water Science and Technology</i> , 2009 , 60, 1049-54	2.2	33
18	SBR technology for high ammonium loading rates. <i>Water Science and Technology</i> , 2008 , 58, 467-72	2.2	21
17	Study of the biological N removal over nitrite in a physico-chemical-biological treatment of digested pig manure in a SBR. <i>Water Science and Technology</i> , 2008 , 58, 119-25	2.2	10
16	Operation of the SHARON denitrification process to treat sludge reject water using hydrolyzed primary sludge to denitrify. <i>Water Environment Research</i> , 2008 , 80, 197-204	2.8	
15	Short- and long-term effects of temperature on the Anammox process. <i>Journal of Hazardous Materials</i> , 2008 , 154, 688-93	12.8	247
14	Integration of a Coagulation/Flocculation step in a biological sequencing batch reactor for COD and nitrogen removal of supernatant of anaerobically digested piggery wastewater. <i>Bioresource Technology</i> , 2008 , 99, 5722-30	11	29
13	Comparison of reject water treatment with nitrification/denitrification via nitrite in SBR and SHARON chemostat process. <i>Environmental Technology (United Kingdom)</i> , 2007 , 28, 173-6	2.6	12
12	Optimisation of nitrification-denitrification process in a sbr for the treatment of reject water via nitrite. <i>Environmental Technology (United Kingdom)</i> , 2007 , 28, 565-71	2.6	6
11	Modelling a sequencing batch reactor to treat the supernatant from anaerobic digestion of the organic fraction of municipal solid waste. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 82, 158-164	3.5	5
10	Operation and model description of a sequencing batch reactor treating reject water for biological nitrogen removal via nitrite. <i>Bioresource Technology</i> , 2007 , 98, 2065-75	11	50
9	PCB and AOX removal in mesophilic and thermophilic sewage sludge digestion. <i>Biochemical Engineering Journal</i> , 2007 , 36, 281-287	4.2	34
8	Two ways to achieve an anammox influent from real reject water treatment at lab-scale: Partial SBR nitrification and SHARON process. <i>Process Biochemistry</i> , 2007 , 42, 715-720	4.8	93
7	Effect of ultrasound pretreatment in mesophilic and thermophilic anaerobic digestion with emphasis on naphthalene and pyrene removal. <i>Water Research</i> , 2007 , 41, 87-94	12.5	93

6	Biological Nitrogen Removal (BNR) Using Sulfides for Autotrophic Denitrification in a Sequencing Batch Reactor (SBR) To Treat Reject Water. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 6646-6649	3.9	13
5	Start-up of a biological sequencing batch reactor to treat supernatant from anaerobic sludge digester. <i>Environmental Technology (United Kingdom)</i> , 2006 , 27, 891-9	2.6	4
4	Biological Nitrogen Removal via Nitrite of Reject Water with a SBR and Chemostat SHARON/Denitrification Process. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 7656-7660	3.9	20
3	Use of Hydrolyzed Primary Sludge as Internal Carbon Source for Denitrification in a SBR Treating Reject Water via Nitrite. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 7661-7666	3.9	17
2	Optimization of Biological Nitrogen Removal via Nitrite in a SBR Treating Supernatant from the Anaerobic Digestion of Municipal Solid Wastes. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 2787-2792	3.9	9
1	Biodegradation of PAH and DEHP micro-pollutants in mesophilic and thermophilic anaerobic sewage sludge digestion. <i>Water Science and Technology</i> , 2006 , 53, 99-107	2.2	43