Alessandro Spagni

List of Publications by Year
in descending order

33 papers	1,252 citations	331259 21 h-index	395343 33 g-index
33 all docs	33 docs citations	33 times ranked	1502 citing authors

#	Article	IF	Citations
1	Nitrogen removal via nitrite in a sequencing batch reactor treating sanitary landfill leachate. Bioresource Technology, 2009, 100, 609-614.	4.8	92
2	Organic waste biorefineries: Looking towards implementation. Waste Management, 2020, 114, 274-286.	3.7	91
3	Decolourisation of textile wastewater in a submerged anaerobic membrane bioreactor. Bioresource Technology, 2012, 117, 180-185.	4.8	83
4	Anaerobic dynamic membrane bioreactor for wastewater treatment at ambient temperature. Chemical Engineering Journal, 2016, 284, 130-138.	6.6	75
5	Treatment of a simulated textile wastewater containing the azo-dye reactive orange 16 in an anaerobic-biofilm anoxicâ€“aerobic membrane bioreactor. International Biodeterioration and Biodegradation, 2010, 64, 676-681.	1.9	74
6	Monitoring the biochemical hydrogen and methane potential of the two-stage dark-fermentative process. Bioresource Technology, 2011, 102, 4474-4479.	4.8	63
7	Development and permeability of a dynamic membrane for anaerobic wastewater treatment. Bioresource Technology, 2014, 161, 236-244.	4.8	58
8	Analysis of fouling development under dynamic membrane filtration operation. Chemical Engineering Journal, 2017, 312, 136-143.	6.6	57
9	Filterability in a submerged anaerobic membrane bioreactor. Desalination, 2010, 250, 787-792.	4.0	53
10	Innovative two-stage anaerobic process for effective codigestion of cheese whey and cattle manure. Bioresource Technology, 2013, 128, 779-783.	4.8	51
11	Enhanced methane production from rice straw co-digested with anaerobic sludge from pulp and paper mill treatment process. Bioresource Technology, 2013, 148, 135-143.	4.8	49
12	Assessment of dynamic membrane filtration for biological treatment of old landfill leachate. Journal of Environmental Management, 2018, 213, 27-35.	3.8	46
13	Effect of filtration flux on the development and operation of a dynamic membrane for anaerobic wastewater treatment. Journal of Environmental Management, 2016, 180, 459-465.	3.8	44
14	Optimisation of sanitary landfill leachate treatment in a sequencing batch reactor. Water Science and Technology, 2008, 58, 337-343.	1.2	42
15	Biological hydrogen production via dark fermentation by using a side-stream dynamic membrane bioreactor: Effect of substrate concentration. Chemical Engineering Journal, 2018, 349, 719-727.	6.6	40
16	Start-up of a pilot-scale membrane bioreactor to treat municipal wastewater. Desalination, 2009, 237, 190-200.	4.0	38
17	Microalgae-bacteria gas exchange in wastewater: how mixotrophy may reduce the oxygen supply for bacteria. Environmental Science and Pollution Research, 2018, 25, 28004-28014.	2.7	37
18	Effect of solid retention time on sludge filterability and biomass activity: Long-term experiment on a pilot-scale membrane bioreactor treating municipal wastewater. Chemical Engineering Journal, 2013, 221, 176-184.	6.6	36

#	Article	IF	Citations
19	Nitrogen removal optimization in a sequencing batch reactor treating sanitary landfill leachate. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2007, 42, 757-765.	0.9	24
20	Intelligent monitoring system for long-term control of Sequencing Batch Reactors. Water Science and Technology, 2008, 57, 431-438.	1.2	24
21	Application of anaerobic dynamic membrane bioreactor (AnDMBR) for the successful enrichment of Anammox bacteria using mixed anaerobic and aerobic seed sludge. Bioresource Technology, 2018, 266, 532-540.	4.8	23
22	Effect of the organic loading rate on biogas composition in continuous fermentative hydrogen production. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2010, 45, 1475-1481.	0.9	22
23	Evaluation of aeration pretreatment to prepare an inoculum for the two-stage hydrogen and methane production process. Bioresource Technology, 2014, 166, 211-218.	4.8	21
24	Textile wastewater treatment in a bench-scale anaerobic-biofilm anoxic-aerobic membrane bioreactor combined with nanofiltration. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1512-1518.	0.9	20
25	Wastewater treatment in a submerged anaerobic membrane bioreactor. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 204-209.	0.9	20
26	Online monitoring of MBR fouling by transmembrane pressure and permeability over a long-term experiment. Separation and Purification Technology, 2014, 122, 297-305.	3.9	15
27	Exploring dynamic membrane as an alternative for conventional membrane for the treatment of old landfill leachate. Journal of Environmental Management, 2019, 246, 658-667.	3.8	13
28	Modelling microbial population dynamics in nitritation processes. Environmental Modelling and Software, 2011, 26, 938-949.	1.9	12
29	Stabilisation of biodried municipal solid waste fine fraction in landfill bioreactor. Waste Management, 2012, 32, 1678-1684.	3.7	10
30	Model-based analysis of the effect of different operating conditions on fouling mechanisms in a membrane bioreactor. Environmental Science and Pollution Research, 2016, 23, 1598-1609.	2.7	7
31	Artificial intelligence control of a sequencing batch reactor for nitrogen removalvianitrite from landfill leachate. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2010, 45, 1085-1091.	0.9	5
32	Modelling wastewater treatment in a submerged anaerobic membrane bioreactor. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 325-331.	0.9	5
33	Partial nitrification for nitrogen removal from sanitary landfill leachate. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 1331-1340.	0.9	2