Alida Cosenza

List of Publications by Year
in descending order

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59	1,637	218381	301761
papers	citations	26 h-index	39 g-index

59	59	59	1498
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Roadmapping the Transition to Water Resource Recovery Facilities: The Two Demonstration Case Studies of Corleone and Marineo (Italy). Water (Switzerland), 2022, 14, 156.	1.2	3
2	Enhancing a Transition to a Circular Economy in the Water Sector: The EU Project WIDER UPTAKE. Water (Switzerland), 2021, 13, 946.	1.2	39
3	Influence of volatile solids and pH for the production of volatile fatty acids: Batch fermentation tests using sewage sludge. Bioresource Technology, 2021, 342, 125853.	4.8	22
4	Water Resource Recovery Facilities (WRRFs): The Case Study of Palermo University (Italy). Water (Switzerland), 2021, 13, 3413.	1.2	14
5	A plant-wide modelling comparison between membrane bioreactors and conventional activated sludge. Bioresource Technology, 2020, 297, 122401.	4.8	21
6	Uncertainty and sensitivity analysis for reducing greenhouse gas emissions from wastewater treatment plants. Water Science and Technology, 2020, 82, 339-350.	1.2	0
7	Greenhouse gases from membrane bioreactors: New perspectives on monitoring and mathematical modeling. , 2020, , 95-116.		1
8	New applications in integrated fixed film activated sludge-membrane bioreactor (IFAS-MBR) systems. , 2020, , 353-374.		1
9	Biofouling management in anaerobic membrane bioreactors. , 2020, , 79-107.		3
10	High salinity wastewater treatment by membrane bioreactors. , 2020, , 177-204.		2
11	Integrated Fixed Film Activated Sludge (IFAS) membrane BioReactor: The influence of the operational parameters. Bioresource Technology, 2020, 301, 122752.	4.8	11
12	Minimizing membrane bioreactor environmental footprint by multiple objective optimization. Bioresource Technology, 2020, 302, 122824.	4.8	15
13	Aeration control in membrane bioreactor for sustainable environmental footprint. Bioresource Technology, 2020, 301, 122734.	4.8	16
14	Decision support systems (DSS) for wastewater treatment plants â€“ A review of the state of the art. Bioresource Technology, 2019, 290, 121814.	4.8	53
15	A plant-wide wastewater treatment plant model for carbon and energy footprint: Model application and scenario analysis. Journal of Cleaner Production, 2019, 217, 244-256.	4.6	53
16	Toward a New Plant-Wide Experimental and Modeling Approach for Reduction of Greenhouse Gas Emission from Wastewater Treatment Plants. Journal of Environmental Engineering, ASCE, 2019, 145, .	0.7	10
17	The influence of solid retention time on IFAS-MBR systems: analysis of system behavior. Environmental Technology (United Kingdom), 2019, 40, 1840-1852.	1.2	11
18	Solids and Hydraulic Retention Time Effect on N₂O Emission from Movingâ€Bed Membrane Bioreactors. Chemical Engineering and Technology, 2018, 41, 1294-1304.	0.9	3

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19	Occurrence of illicit drugs in two wastewater treatment plants in the South of Italy. Chemosphere, 2018, 198, 377-385.	4.2	33
20	Influence of carbon to nitrogen ratio on nitrous oxide emission in an Integrated Fixed Film Activated Sludge Membrane BioReactor plant. Journal of Cleaner Production, 2018, 176, 1078-1090.	4.6	38
21	Nitrous oxide from integrated fixed-film activated sludge membrane bioreactor: Assessing the influence of operational variables. Bioresource Technology, 2018, 247, 1221-1227.	4.8	23
22	The effect of the solids and hydraulic retention time on moving bed membrane bioreactor performance. Journal of Cleaner Production, 2018, 170, 1305-1315.	4.6	41
23	A comprehensive integrated membrane bioreactor model for greenhouse gas emissions. Chemical Engineering Journal, 2018, 334, 1563-1572.	6.6	32
24	Greenhouse gas emissions from membrane bioreactors: analysis of a two-year survey on different MBR configurations. Water Science and Technology, 2018, 78, 896-903.	1.2	7
25	Biological Stability of Organic Fraction of Municipal Solid Wastes During Composting Processes. Environmental Engineering Science, 2018, 35, 1117-1125.	0.8	2
26	Sensitivity and uncertainty analysis of an integrated ASM2d MBR model for wastewater treatment. Chemical Engineering Journal, 2018, 351, 579-588.	6.6	28
27	Mathematical modelling of greenhouse gas emissions from membrane bioreactors: A comprehensive comparison of two mathematical models. Bioresource Technology, 2018, 268, 107-115.	4.8	10
28	Integrated fixed-film activated sludge membrane bioreactors versus membrane bioreactors for nutrient removal: A comprehensive comparison. Journal of Environmental Management, 2018, 226, 347-357.	3.8	26
29	Nitrous oxide emission in a University of Cape Town membrane bioreactor: The effect of carbon to nitrogen ratio. Journal of Cleaner Production, 2017, 149, 180-190.	4.6	28
30	Greenhouse gases from membrane bioreactors: Mathematical modelling, sensitivity and uncertainty analysis. Bioresource Technology, 2017, 239, 353-367.	4.8	19
31	Bacterial community structure and removal performances in IFAS-MBRs: A pilot plant case study. Journal of Environmental Management, 2017, 198, 122-131.	3.8	24
32	Moving bed membrane bioreactors for carbon and nutrient removal: The effect of C/N variation. Biochemical Engineering Journal, 2017, 125, 31-40.	1.8	44
33	Greenhouse gas emissions and the links to plant performance in a fixed-film activated sludge membrane bioreactor â€“ Pilot plant experimental evidence. Bioresource Technology, 2017, 241, 1145-1151.	4.8	8
34	Micropollutants throughout an integrated urban drainage model: Sensitivity and uncertainty analysis. Journal of Hydrology, 2017, 554, 397-405.	2.3	10
35	The influence of solid retention time on IFAS-MBR systems: Assessment of nitrous oxide emission. Journal of Environmental Management, 2017, 203, 391-399.	3.8	11
36	Nitrous oxide from moving bed based integrated fixed film activated sludge membrane bioreactors. Journal of Environmental Management, 2017, 187, 96-102.	3.8	21

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37	Treatment of Oily Wastewater with Membrane Bioreactor Systems. Water (Switzerland), 2017, 9, 412.	1.2	32
38	Illicit drugs consumption evaluation by wastewater-based epidemiology in the urban area of Palermo city (Italy). Annali Dell'Istituto Superiore Di Sanita, 2017, 53, 192-198.	0.2	11
39	Carbon and nutrient biological removal in a University of Cape Town membrane bioreactor: Analysis of a pilot plant operated under two different C/N ratios. Chemical Engineering Journal, 2016, 296, 289-299.	6.6	71
40	Greenhouse gases from sequential batch membrane bioreactors: A pilot plant case study. Biochemical Engineering Journal, 2016, 112, 114-122.	1.8	26
41	Nitrous oxide emissions in a membrane bioreactor treating saline wastewater contaminated by hydrocarbons. Bioresource Technology, 2016, 219, 289-297.	4.8	28
42	Sequential batch membrane bio-reactor for wastewater treatment: The effect of increased salinity. Bioresource Technology, 2016, 209, 205-212.	4.8	54
43	Membrane bioreactors for treatment of saline wastewater contaminated by hydrocarbons (diesel) Tj ETQq1 1 0.784314 rgBT /Overlock	6.6	62
44	Greenhouse gases from wastewater treatment â€" A review of modelling tools. Science of the Total Environment, 2016, 551-552, 254-270.	3.9	142
45	Greenhouse Gas Emissions from Wastewater Treatment Plants on a Plantwide Scale: Sensitivity and Uncertainty Analysis. Journal of Environmental Engineering, ASCE, 2016, 142, .	0.7	13
46	Sensitivity and uncertainty analysis of an integrated membrane bioreactor model. Desalination and Water Treatment, 2016, 57, 9531-9548.	1.0	2
47	Global sensitivity analysis for urban water quality modelling: Terminology, convergence and comparison of different methods. Journal of Hydrology, 2015, 522, 339-352.	2.3	73
48	Radionuclides in wastewater treatment plants: monitoring of Sicilian plants. Water Science and Technology, 2015, 71, 252-258.	1.2	9
49	Quantifying sensitivity and uncertainty analysis of a new mathematical model for the evaluation of greenhouse gas emissions from membrane bioreactors. Journal of Membrane Science, 2015, 475, 80-90.	4.1	30
50	Variance-based sensitivity analysis for wastewater treatment plant modelling. Science of the Total Environment, 2014, 470-471, 1068-1077.	3.9	31
51	The role of EPS in fouling and foaming phenomena for a membrane bioreactor. Bioresource Technology, 2013, 147, 184-192.	4.8	68
52	Global sensitivity analysis in wastewater applications: A comprehensive comparison of different methods. Environmental Modelling and Software, 2013, 49, 40-52.	1.9	71
53	The fouling phenomenon in membrane bioreactors: Assessment of different strategies for energy saving. Journal of Membrane Science, 2013, 444, 332-344.	4.1	54
54	Biological nitrogen and phosphorus removal in membrane bioreactors: model development and parameter estimation. Bioprocess and Biosystems Engineering, 2013, 36, 499-514.	1.7	27

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55	Biological Nutrient Removal and Fouling Phenomena in a University of Cape Town Membrane Bioreactor Treating High Nitrogen Loads. Journal of Environmental Engineering, ASCE, 2013, 139, 773-780.	0.7	21
56	Uncertainty assessment of a model for biological nitrogen and phosphorus removal: Application to a large wastewater treatment plant. Physics and Chemistry of the Earth, 2012, 42-44, 61-69.	1.2	15
57	Evaluation of biomass activity and wastewater characterization in a UCT-MBR pilot plant by means of respirometric techniques. Desalination, 2011, 269, 190-197.	4.0	51
58	A practical protocol for calibration of nutrient removal wastewater treatment models. Journal of Hydroinformatics, 2011, 13, 575-595.	1.1	58
59	Comparison between two MBR pilot plants treating synthetic shipboard slops: effect of salinity increase on biological performance, biomass activity and fouling tendency. , 0, 61, 240-249.		5