

# Michela Langone

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

917  
citations

430442

18  
h-index

552369

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

996  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ammonia removal from raw manure digestate by means of a turbulent mixing stripping process. <i>Journal of Environmental Management</i> , 2016, 176, 1-10.	3.8	97
2	Methane production from process water of sewage sludge hydrothermal carbonization. A review. Valorising sludge through hydrothermal carbonization. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 947-988.	6.6	81
3	Coexistence of nitrifying, anammox and denitrifying bacteria in a sequencing batch reactor. <i>Frontiers in Microbiology</i> , 2014, 5, 28.	1.5	76
4	Monitoring of full-scale hydrodynamic cavitation pretreatment in agricultural biogas plant. <i>Bioresource Technology</i> , 2018, 247, 599-609.	4.8	61
5	Decolourization of Rhodamine B: A swirling jet-induced cavitation combined with NaOCl. <i>Ultrasonics Sonochemistry</i> , 2016, 32, 18-30.	3.8	59
6	A critical review of the current technologies in wastewater treatment plants by using hydrodynamic cavitation process: principles and applications. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2020, 18, 311-333.	1.4	59
7	Effects of hydrodynamic cavitation, low-level thermal and low-level alkaline pre-treatments on sludge solubilisation. <i>Ultrasonics Sonochemistry</i> , 2019, 59, 104750.	3.8	55
8	Process Waters from Hydrothermal Carbonization of Sludge: Characteristics and Possible Valorization Pathways. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6618.	1.2	53
9	SARS-CoV-2 in water services: Presence and impacts. <i>Environmental Pollution</i> , 2021, 268, 115806.	3.7	50
10	A swirling jet-induced cavitation to increase activated sludge solubilisation and aerobic sludge biodegradability. <i>Ultrasonics Sonochemistry</i> , 2017, 35, 489-501.	3.8	48
11	A review of anaerobic side-stream reactor for excess sludge reduction: Configurations, mechanisms, and efficiency. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 382-405.	6.6	45
12	Shift in microbial community structure of anaerobic side-stream reactor in response to changes to anaerobic solid retention time and sludge interchange ratio. <i>Bioresource Technology</i> , 2016, 221, 588-597.	4.8	35
13	Anaerobic Digestion of Cattle Manure Influenced by Swirling Jet Induced Hydrodynamic Cavitation. <i>Applied Biochemistry and Biotechnology</i> , 2018, 184, 1200-1218.	1.4	29
14	Stoichiometric evaluation of partial nitritation, anammox and denitrification processes in a sequencing batch reactor and interpretation of online monitoring parameters. <i>Chemosphere</i> , 2016, 164, 488-498.	4.2	24
15	Methodological approach for trace elements supplementation in anaerobic digestion: Experience from full-scale agricultural biogas plants. <i>Journal of Environmental Management</i> , 2018, 223, 348-357.	3.8	24
16	Effect of hydrodynamic cavitation on flocs structure in sewage sludge to increase stabilization for efficient and safe reuse in agriculture. <i>Bioremediation Journal</i> , 2022, 26, 41-52.	1.0	21
17	Strict anaerobic side-stream reactor: effect of the sludge interchange ratio on sludge reduction in a biological nutrient removal process. <i>Environmental Science and Pollution Research</i> , 2018, 25, 1243-1256.	2.7	20
18	Evaluation of the aerobic biodegradability of process water produced by hydrothermal carbonization and inhibition effects on the heterotrophic biomass of an activated sludge system. <i>Journal of Environmental Management</i> , 2021, 299, 113561.	3.8	20

#	ARTICLE	IF	CITATIONS
19	An anaerobic side-stream reactor in wastewater treatment: a review. WIT Transactions on Ecology and the Environment, 2014, , .	0.0	15
20	Progress toward full scale application of the anaerobic side-stream reactor (ASSR) process. Bioresource Technology, 2019, 272, 267-274.	4.8	13
21	Sludge reduction by an anaerobic side-stream reactor process: A full-scale application. Environmental Challenges, 2021, 2, 100016.	2.0	11
22	Anaerobic digestion of blood serum water integrated in a valorization process of the bovine blood treatment. Biomass and Bioenergy, 2019, 120, 1-8.	2.9	8
23	Anammox-Based Processes for Mature Leachate Treatment in SBR: A Modelling Study. Processes, 2021, 9, 1443.	1.3	5
24	Investigating the Enhancement in Biogas Production by Hydrothermal Carbonization of Organic Solid Waste and Digestate in an Inter-Stage Treatment Configuration. Processes, 2022, 10, 777.	1.3	4
25	Application of real-time nitrogen measurement for intermittent aeration implementation in a biological nitrogen removal system: performances and efficiencies. Environmental Technology (United Kingdom), 2019, 40, 2513-2526.	1.2	3