

# Michela Langone

## List of Publications by Citations

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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.

25  
papers

567  
citations

14  
h-index

23  
g-index

26  
ext. papers

740  
ext. citations

6.7  
avg, IF

4.64  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 25 | Ammonia removal from raw manure digestate by means of a turbulent mixing stripping process. <i>Journal of Environmental Management</i> , <b>2016</b> , 176, 1-10   | 7.9  | 61        |
| 24 | Coexistence of nitrifying, anammox and denitrifying bacteria in a sequencing batch reactor. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 28   | 5.7  | 54        |
| 23 | 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> , <b>2019</b> , 49, 947-988   | 11.1 | 49        |
| 22 | Decolourization of Rhodamine B: A swirling jet-induced cavitation combined with NaOCl. <i>Ultrasonics Sonochemistry</i> , <b>2016</b> , 32, 18-30  | 8.9  | 46        |
| 21 | A review of anaerobic side-stream reactor for excess sludge reduction: Configurations, mechanisms, and efficiency. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2016</b> , 46, 382-405                                   | 11.1 | 38        |
| 20 | Monitoring of full-scale hydrodynamic cavitation pretreatment in agricultural biogas plant. <i>Bioresource Technology</i> , <b>2018</b> , 247, 599-609   | 11   | 37        |
| 19 | A swirling jet-induced cavitation to increase activated sludge solubilisation and aerobic sludge biodegradability. <i>Ultrasonics Sonochemistry</i> , <b>2017</b> , 35, 489-501  | 8.9  | 35        |
| 18 | Effects of hydrodynamic cavitation, low-level thermal and low-level alkaline pre-treatments on sludge solubilisation. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 59, 104750  | 8.9  | 34        |
| 17 | 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> , <b>2020</b> , 18, 311-333 | 2.9  | 32        |
| 16 | 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> , <b>2016</b> , 221, 588-597                        | 11   | 32        |
| 15 | SARS-CoV-2 in water services: Presence and impacts. <i>Environmental Pollution</i> , <b>2021</b> , 268, 115806   | 9.3  | 26        |
| 14 | Anaerobic Digestion of Cattle Manure Influenced by Swirling Jet Induced Hydrodynamic Cavitation. <i>Applied Biochemistry and Biotechnology</i> , <b>2018</b> , 184, 1200-1218  | 3.2  | 18        |
| 13 | Stoichiometric evaluation of partial nitritation, anammox and denitrification processes in a sequencing batch reactor and interpretation of online monitoring parameters. <i>Chemosphere</i> , <b>2016</b> , 164, 488-498                        | 8.4  | 17        |
| 12 | Process Waters from Hydrothermal Carbonization of Sludge: Characteristics and Possible Valorization Pathways. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,                                       | 4.6  | 15        |
| 11 | Methodological approach for trace elements supplementation in anaerobic digestion: Experience from full-scale agricultural biogas plants. <i>Journal of Environmental Management</i> , <b>2018</b> , 223, 348-357                                | 7.9  | 14        |
| 10 | 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> , <b>2018</b> , 25, 1243-1256                     | 5.1  | 13        |
| 9  | An anaerobic side-stream reactor in wastewater treatment: a review <b>2014</b> ,   |      | 11        |

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| 8 | Effect of hydrodynamic cavitation on flocs structure in sewage sludge to increase stabilization for efficient and safe reuse in agriculture. <i>Bioremediation Journal</i> ,1-12   | 2.3 | 7 |
| 7 | Progress toward full scale application of the anaerobic side-stream reactor (ASSR) process. <i>Bioresource Technology</i> , <b>2019</b> , 272, 267-274   | 11  | 7 |
| 6 | Anaerobic digestion of blood serum water integrated in a valorization process of the bovine blood treatment. <i>Biomass and Bioenergy</i> , <b>2019</b> , 120, 1-8   | 5.3 | 6 |
| 5 | 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> , <b>2021</b> , 299, 113561 | 7.9 | 5 |
| 4 | Sludge reduction by an anaerobic side-stream reactor process: A full-scale application. <i>Environmental Challenges</i> , <b>2021</b> , 2, 100016  | 2.6 | 4 |
| 3 | Application of real-time nitrogen measurement for intermittent aeration implementation in a biological nitrogen removal system: performances and efficiencies. <i>Environmental Technology (United Kingdom)</i> , <b>2019</b> , 40, 2513-2526                | 2.6 | 2 |
| 2 | Investigating the Enhancement in Biogas Production by Hydrothermal Carbonization of Organic Solid Waste and Digestate in an Inter-Stage Treatment Configuration. <i>Processes</i> , <b>2022</b> , 10, 777  | 2.9 | 2 |
| 1 | Anammox-Based Processes for Mature Leachate Treatment in SBR: A Modelling Study. <i>Processes</i> , <b>2021</b> , 9, 1443  | 2.9 | 1 |