Misael SebastiÃ¡n Gradilla HernÃ¡ndez

List of Publications by Year
in descending order

31 papers	471 citations	840119 11 h-index	752256 20 g-index
31 all docs	31 docs citations	31 times ranked	329 citing authors

#	Article	IF	Citations
1	Microalgae-based livestock wastewater treatment (MbWT) as a circular bioeconomy approach: Enhancement of biomass productivity, pollutant removal and high-value compound production. Journal of Environmental Management, 2022, 308, 114612.	3.8	60
2	Multivariate water quality analysis of Lake CajititlÃ¡n, Mexico. Environmental Monitoring and Assessment, 2020, 192, 5.	1.3	51
3	Assessment of the water quality of a subtropical lake using the NSF-WQI and a newly proposed ecosystem specific water quality index. Environmental Monitoring and Assessment, 2020, 192, 296.	1.3	43
4	Evaluation of Biogas Potential from Livestock Manures and Multicriteria Site Selection for Centralized Anaerobic Digester Systems: The Case of Jalisco, MÃ©xico. Sustainability, 2020, 12, 3527.	1.6	35
5	The intestinal mycobiota and its relationship with overweight, obesity and nutritional aspects. Journal of Human Nutrition and Dietetics, 2021, 34, 645-655.	1.3	29
6	Rapid Changes in the Phytoplankton Community of a Subtropical, Shallow, Hypereutrophic Lake During the Rainy Season. Frontiers in Microbiology, 2021, 12, 617151.	1.5	22
7	An Integrated Approach for the Assessment of Environmental Sustainability in Agro-Industrial Waste Management Practices: The Case of the Tequila Industry. Frontiers in Environmental Science, 2021, 9, .	1.5	20
8	Development of a specific water quality index for the protection of aquatic life of a highly polluted urban river. Ecological Indicators, 2021, 129, 107899.	2.6	18
9	Probiotic Properties, Prebiotic Fermentability, and GABA-Producing Capacity of Microorganisms Isolated from Mexican Milk Kefir Grains: A Clustering Evaluation for Functional Dairy Food Applications. Foods, 2021, 10, 2275.	1.9	16
10	Assessment of intermediate and long chains agave fructan fermentation on the growth of intestinal bacteria cultured in a gastrointestinal tract simulator. Revista Mexicana De Ingeniera Quimica, 2019, 19, 827-838.	0.2	16
11	Structure and activity of microbial communities in response to environmental, operational, and design factors in constructed wetlands. International Journal of Environmental Science and Technology, 2022, 19, 11587-11612.	1.8	16
12	Assessment of heavy metals in the surface sediments and sediment-water interface of Lake CajititlÃ¡n, Mexico. Environmental Monitoring and Assessment, 2019, 191, 396.	1.3	14
13	Mathematical Modeling of a Domestic Wastewater Treatment System Combining a Septic Tank, an Up Flow Anaerobic Filter, and a Constructed Wetland. Water (Switzerland), 2020, 12, 3019.	1.2	14
14	Morphometric and water quality features of Lake CajititlÃ¡n, Mexico. Environmental Monitoring and Assessment, 2019, 191, 92.	1.3	13
15	New MiSeq based strategy exposed plant-preferential arbuscular mycorrhizal fungal communities in arid soils of Mexico. Symbiosis, 2020, 81, 235-246.	1.2	11
16	Prevalence, Distribution, and Diversity of Salmonella Strains Isolated From a Subtropical Lake. Frontiers in Microbiology, 2020, 11, 521146.	1.5	10
17	Characterization of the Spatial Variation of Microbial Communities in a Decentralized Subtropical Wastewater Treatment Plant Using Passive Methods. Water (Switzerland), 2021, 13, 1157.	1.2	9
18	Simple Prediction of an Ecosystem-Specific Water Quality Index and the Water Quality Classification of a Highly Polluted River through Supervised Machine Learning. Water (Switzerland), 2022, 14, 1235.	1.2	9

#	Article	IF	Citations
19	Differential neural network identifier for parameter determination of a mixed microbial culture model. IFAC-PapersOnLine, 2018, 51, 479-484.	0.5	7
20	Temporal Dynamics of Rhizobacteria Found in Pequin Pepper, Soybean, and Orange Trees Growing in a Semi-arid Ecosystem. Frontiers in Sustainable Food Systems, 2020, 4, .	1.8	7
21	Bacterial Dynamics and Their Influence on the Biogeochemical Cycles in a Subtropical Hypereutrophic Lake During the Rainy Season. Frontiers in Microbiology, 2022, 13, 832477.	1.5	7
22	Microalgae-mediated bioremediation of cattle, swine and poultry digestates using mono- and mixed-cultures coupled with an optimal mixture design. Algal Research, 2022, 64, 102717.	2.4	7
23	Using yeast cultures to valorize tequila vinasse waste: An example of a circular bioeconomy approach in the agro-industrial sector. Biomass and Bioenergy, 2022, 161, 106471.	2.9	7
24	Applying Differential Neural Networks to Characterize Microbial Interactions in an Ex Vivo Gastrointestinal Gut Simulator. Processes, 2020, 8, 593.	1.3	6
25	Food loss in the agricultural sector of a developing country: Transitioning to a more sustainable approach. The case of Jalisco, Mexico.. Environmental Challenges, 2021, 5, 100327.	2.0	6
26	Dietary Fiber and Gut Microbiota. Food Engineering Series, 2020, , 277-298.	0.3	6
27	Antimicrobial and Antibiofilm Effect of Inulin-Type Fructans, Used in Synbiotic Combination with Lactobacillus spp. Against Candida albicans. Plant Foods for Human Nutrition, 2022, 77, 212-219.	1.4	4
28	Septoglomus species dominate the arbuscular mycorrhiza of five crop plants in an arid region of northern Mexico. Symbiosis, 2022, 87, 93-106.	1.2	4
29	Seasonal and Long-Term Behavior of TN:TP Ratio in Lake CajititlÃ¡n and Its Environmental Implications. Water, Air, and Soil Pollution, 2022, 233, 1.	1.1	2
30	A GIS Methodology to Determine the Critical Regions for Mitigating Eutrophication in Large Territories: The Case of Jalisco, Mexico. Sustainability, 2021, 13, 8029.	1.6	1
31	Assessment of the Potential of Coordinating Two Interacting Monitoring Networks within the Lerma-Santiago Hydrologic System in Mexico. Water (Switzerland), 2022, 14, 1687.	1.2	1