

# Miller Alonso Camargo-Valero

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

1,800  
citations

331538

21  
h-index

276775

41  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2123  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison of product yields and inorganic content in process streams following thermal hydrolysis and hydrothermal processing of microalgae, manure and digestate. <i>Bioresource Technology</i> , 2016, 200, 951-960.	4.8	186
2	Influence of pH on hydrothermal treatment of swine manure: Impact on extraction of nitrogen and phosphorus in process water. <i>Bioresource Technology</i> , 2016, 214, 637-644.	4.8	163
3	Evaluation and comparison of product yields and bio-methane potential in sewage digestate following hydrothermal treatment. <i>Applied Energy</i> , 2017, 208, 1357-1369.	5.1	140
4	New perspectives for the design of sustainable bioprocesses for phosphorus recovery from waste. <i>Bioresource Technology</i> , 2016, 206, 264-274.	4.8	107
5	An overview of the potential environmental impacts of large-scale microalgae cultivation. <i>Biofuels</i> , 2014, 5, 331-349.	1.4	100
6	Hydrothermal carbonization of sewage digestate at wastewater treatment works: Influence of solid loading on characteristics of hydrochar, process water and plant energetics. <i>Renewable Energy</i> , 2020, 157, 959-973.	4.3	91
7	Bioaerosol deposition in single and two-bed hospital rooms: A numerical and experimental study. <i>Building and Environment</i> , 2013, 59, 436-447.	3.0	79
8	Spatial distribution of nitrate health risk associated with groundwater use as drinking water in Merida, Mexico. <i>Applied Geography</i> , 2015, 65, 49-57.	1.7	76
9	Measurement of ventilation and airborne infection risk in large naturally ventilated hospital wards. <i>Building and Environment</i> , 2013, 65, 35-48.	3.0	67
10	Mass and energy integration study of hydrothermal carbonization with anaerobic digestion of sewage sludge. <i>Renewable Energy</i> , 2021, 167, 473-483.	4.3	57
11	Nitrogen removal via ammonia volatilization in maturation ponds. <i>Water Science and Technology</i> , 2007, 55, 87-92.	1.2	48
12	Towards resolving the phosphorus chaos created by food systems. <i>Ambio</i> , 2020, 49, 1076-1089.	2.8	41
13	Improving the biomethane yield from food waste by boosting hydrogenotrophic methanogenesis. <i>Applied Energy</i> , 2019, 254, 113629.	5.1	35
14	Valorisation of macroalgae via the integration of hydrothermal carbonisation and anaerobic digestion. <i>Bioresource Technology</i> , 2020, 312, 123539.	4.8	35
15	Fate of faecal pathogen indicators during faecal sludge composting with different bulking agents in tropical climate. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 232, 113670.	2.1	31
16	The Effects of Hydraulic and Organic Loadings on the Performance of a Full-Scale Facultative Pond in a Temperate Climate Region (Argentine Patagonia). <i>Water, Air, and Soil Pollution</i> , 2012, 223, 2483-2493.	1.1	30
17	Five pillars for stakeholder analyses in sustainability transformations: The global case of phosphorus. <i>Environmental Science and Policy</i> , 2020, 107, 80-89.	2.4	30
18	Nitrification–denitrification in waste stabilisation ponds: a mechanism for permanent nitrogen removal in maturation ponds. <i>Water Science and Technology</i> , 2010, 61, 1137-1146.	1.2	28

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19	Combined ammonia recovery and solid oxide fuel cell use at wastewater treatment plants for energy and greenhouse gas emission improvements. <i>Applied Energy</i> , 2019, 240, 698-708.	5.1	26
20	Particle size, inoculum-to-substrate ratio and nutrient media effects on biomethane yield from food waste. <i>Renewable Energy</i> , 2020, 151, 311-321.	4.3	26
21	Field assessment of bacterial communities and total trihalomethanes: Implications for drinking water networks. <i>Science of the Total Environment</i> , 2018, 616-617, 345-354.	3.9	25
22	Fixing the Broken Phosphorus Cycle: Wastewater Remediation by Microalgal Polyphosphates. <i>Frontiers in Plant Science</i> , 2020, 11, 982.	1.7	24
23	An Assessment of Different Integration Strategies of Hydrothermal Carbonisation and Anaerobic Digestion of Water Hyacinth. <i>Energies</i> , 2020, 13, 5983.	1.6	23
24	Influence of pH and Temperature on Struvite Purity and Recovery from Anaerobic Digestate. <i>Sustainability</i> , 2021, 13, 10730.	1.6	23
25	Towards sustainable sanitation management: Establishing the costs and willingness to pay for emptying and transporting sludge in rural districts with high rates of access to latrines. <i>PLoS ONE</i> , 2017, 12, e0171735.	1.1	22
26	Performance of Anaerobic Baffled Reactor for Decentralized Wastewater Treatment in Urban Malang, Indonesia. <i>Processes</i> , 2019, 7, 184.	1.3	21
27	Nitrogen removal in maturation waste stabilisation ponds via biological uptake and sedimentation of dead biomass. <i>Water Science and Technology</i> , 2010, 61, 1027-1034.	1.2	19
28	Ammonia volatilisation in waste stabilisation ponds: a cascade of misinterpretations?. <i>Water Science and Technology</i> , 2010, 61, 555-561.	1.2	18
29	An assessment of road-verge grass as a feedstock for farm-fed anaerobic digestion plants. <i>Biomass and Bioenergy</i> , 2020, 138, 105570.	2.9	17
30	Nitrogen removal in maturation ponds: tracer experiments with <sup>15</sup> N-labelled ammonia. <i>Water Science and Technology</i> , 2007, 55, 81-85.	1.2	15
31	Enhanced phosphorus removal in a waste stabilization pond system with blast furnace slag filters. <i>Desalination and Water Treatment</i> , 2009, 4, 122-127.	1.0	15
32	The top 100 global water questions: Results of a scoping exercise. <i>One Earth</i> , 2022, 5, 563-573.	3.6	15
33	Effect of filter media thickness on the performance of sand drying beds used for faecal sludge management. <i>Water Science and Technology</i> , 2016, 74, 2795-2806.	1.2	14
34	A Simple and Non-destructive Method for Chlorophyll Quantification of <i>Chlamydomonas</i> Cultures Using Digital Image Analysis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 746.	2.0	14
35	Pump it up: making single-pit emptying safer in rural Bangladesh. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2016, 6, 456-464.	0.7	13
36	Uncoupling growth from phosphorus uptake in <i>Lemna</i> : Implications for use of duckweed in wastewater remediation and P recovery in temperate climates. <i>Food and Energy Security</i> , 2020, 9, e244.	2.0	12

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37	Co-Processing Lignocellulosic Biomass and Sewage Digestate by Hydrothermal Carbonisation: Influence of Blending on Product Quality. <i>Energies</i> , 2022, 15, 1418.	1.6	12
38	Note to Editor: Microalgae cultivation for wastewater treatment and biofuel production: a bibliographic overview of past and current trends. <i>Algal Research</i> , 2017, 24, A2-A7.	2.4	11
39	Maturation ponds, rock filters and reedbeds in the UK: statistical analysis of winter performance. <i>Water Science and Technology</i> , 2007, 55, 135-142.	1.2	9
40	Preparation of functionalized magnetic nanoparticles conjugated with feroxamine and their evaluation for pathogen detection. <i>RSC Advances</i> , 2019, 9, 13533-13542.	1.7	9
41	Hydrogen <i>via</i> reforming aqueous ammonia and biomethane co-products of wastewater treatment: environmental and economic sustainability. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5835-5850.	2.5	9
42	Enhanced in-situ biomethanation of food waste by sequential inoculum acclimation: Energy efficiency and carbon savings analysis. <i>Waste Management</i> , 2021, 130, 12-22.	3.7	9
43	Take it away: the need for designing fecal sludge disposal services for single-pit latrines. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2017, 7, 121-128.	0.7	8
44	Effect of the stirring speed on the struvite formation using the centrate from a WWTP. <i>Revista Facultad De IngenierAa</i> , 2019, , 42-50.	0.5	7
45	Understanding the drivers of sanitation behaviour in riverine communities of Niger Delta, Nigeria: the case of Odi and Kaiama communities. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2016, 6, 491-499.	0.7	6
46	An Effective Surrogate Tracer Technique for <i>S. aureus</i> Bioaerosols in a Mechanically Ventilated Hospital Room Replica Using Dilute Aqueous Lithium Chloride. <i>Atmosphere</i> , 2017, 8, 238.	1.0	6
47	Integration of Hydrothermal Carbonisation and Anaerobic Digestion for the Energy Valorisation of Grass. <i>Energies</i> , 2022, 15, 3495.	1.6	6
48	The influence of algal biomass on tracer experiments in maturation ponds. <i>Desalination and Water Treatment</i> , 2009, 4, 89-92.	1.0	5
49	Enhancing bioenergy production from food waste by in situ biomethanation: Effect of the hydrogen injection point. <i>Food and Energy Security</i> , 2021, 10, e288.	2.0	5
50	Algal Research, Special Issue Editorial: Wastewater and Algae; Risk, biofuels and long-term sustainability. <i>Algal Research</i> , 2017, 24, A1.	2.4	4
51	Integrating microalgae into the Brazilian program for biodiesel production and use. <i>Biofuels</i> , 2014, 5, 45-52.	1.4	3
52	Modelling Mechanically Induced Non-Newtonian Flows to Improve the Energy Efficiency of Anaerobic Digesters. <i>Water (Switzerland)</i> , 2020, 12, 2995.	1.2	3
53	Ammonia and Biogas from Anaerobic and Sewage Digestion for Novel Heat, Power and Transport Applicationsâ€”A Techno-Economic and GHG Emissions Study for the United Kingdom. <i>Energies</i> , 2022, 15, 2174.	1.6	2