

Marianna Garfi

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.

50
papers

2,095
citations

32
h-index

45
g-index

53
ext. papers

2,537
ext. citations

8.9
avg, IF

5.62
L-index

#	Paper	IF	Citations
50	Life Cycle Assessment of wastewater treatment systems for small communities: Activated sludge, constructed wetlands and high rate algal ponds. <i>Journal of Cleaner Production</i> , 2017 , 161, 211-219	10.3	143
49	A critical review of resource recovery from municipal wastewater treatment plants [market supply potentials, technologies and bottlenecks. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 877-910	4.2	130
48	Biogas production in low-cost household digesters at the Peruvian Andes. <i>Biomass and Bioenergy</i> , 2011 , 35, 1668-1674	5.3	102
47	Life cycle assessment of high rate algal ponds for wastewater treatment and resource recovery. <i>Science of the Total Environment</i> , 2018 , 622-623, 1118-1130	10.2	99
46	Household anaerobic digesters for biogas production in Latin America: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 60, 599-614	16.2	84
45	Assessing the agricultural reuse of the digestate from microalgae anaerobic digestion and co-digestion with sewage sludge. <i>Science of the Total Environment</i> , 2017 , 586, 1-9	10.2	77
44	Agricultural reuse of the digestate from low-cost tubular digesters in rural Andean communities. <i>Waste Management</i> , 2011 , 31, 2584-9	8.6	67
43	Multi-criteria analysis for improving strategic environmental assessment of water programmes. A case study in semi-arid region of Brazil. <i>Journal of Environmental Management</i> , 2011 , 92, 665-75	7.9	67
42	Vertical redox profiles in treatment wetlands as function of hydraulic regime and macrophytes presence: surveying the optimal scenario for microbial fuel cell implementation. <i>Science of the Total Environment</i> , 2014 , 470-471, 754-8	10.2	64
41	Evaluating benefits of low-cost household digesters for rural Andean communities. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 575-581	16.2	64
40	Three-stage hybrid constructed wetland system for wastewater treatment and reuse in warm climate regions. <i>Ecological Engineering</i> , 2013 , 61, 43-49	3.9	62
39	Life cycle assessment of drinking water: Comparing conventional water treatment, reverse osmosis and mineral water in glass and plastic bottles. <i>Journal of Cleaner Production</i> , 2016 , 137, 997-1003	10.3	62
38	Technical, economic and environmental assessment of household biogas digesters for rural communities. <i>Renewable Energy</i> , 2014 , 62, 313-318	8.1	60
37	Anaerobic co-digestion of microalgal biomass and wheat straw with and without thermo-alkaline pretreatment. <i>Bioresource Technology</i> , 2017 , 237, 89-98	11	59
36	Integrating microalgae tertiary treatment into activated sludge systems for energy and nutrients recovery from wastewater. <i>Bioresource Technology</i> , 2018 , 247, 513-519	11	59
35	Life cycle assessment of constructed wetland systems for wastewater treatment coupled with microbial fuel cells. <i>Science of the Total Environment</i> , 2017 , 584-585, 355-362	10.2	56
34	Evaluating and comparing three community small-scale wind electrification projects. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 5379-5390	16.2	50

33	The effect of primary treatment of wastewater in high rate algal pond systems: Biomass and bioenergy recovery. <i>Bioresource Technology</i> , 2019 , 280, 27-36	11	49
32	Enhancement of microalgae anaerobic digestion by thermo-alkaline pretreatment with lime (CaO). <i>Algal Research</i> , 2017 , 24, 199-206	5	48
31	Natural pigments from microalgae grown in industrial wastewater. <i>Bioresource Technology</i> , 2020 , 303, 122894	11	46
30	Constructed wetlands for winery wastewater treatment: A comparative Life Cycle Assessment. <i>Science of the Total Environment</i> , 2019 , 659, 1567-1576	10.2	44
29	Co-digestion of microalgae and primary sludge: Effect on biogas production and microcontaminants removal. <i>Science of the Total Environment</i> , 2019 , 660, 974-981	10.2	43
28	Contaminants removal and bacterial activity enhancement along the flow path of constructed wetland microbial fuel cells. <i>Science of the Total Environment</i> , 2019 , 652, 1195-1208	10.2	42
27	Strategies to Optimize Microalgae Conversion to Biogas: Co-Digestion, Pretreatment and Hydraulic Retention Time. <i>Molecules</i> , 2018 , 23,	4.8	41
26	Codigestion of cow and guinea pig manure in low-cost tubular digesters at high altitude. <i>Ecological Engineering</i> , 2011 , 37, 2066-2070	3.9	40
25	Towards energy neutral microalgae-based wastewater treatment plants. <i>Algal Research</i> , 2017 , 28, 235-243	2.3	38
24	Recent Achievements in the Production of Biogas from Microalgae. <i>Waste and Biomass Valorization</i> , 2017 , 8, 129-139	3.2	36
23	Effect of climatic conditions, season and wastewater quality on contaminant removal efficiency of two experimental constructed wetlands in different regions of Spain. <i>Science of the Total Environment</i> , 2012 , 437, 61-7	10.2	36
22	Fate of priority pharmaceuticals and their main metabolites and transformation products in microalgae-based wastewater treatment systems. <i>Journal of Hazardous Materials</i> , 2020 , 390, 121771	12.8	36
21	Long-term assessment of best cathode position to maximise microbial fuel cell performance in horizontal subsurface flow constructed wetlands. <i>Science of the Total Environment</i> , 2016 , 563-564, 448-55	10.2	35
20	Psychrophilic anaerobic digestion of guinea pig manure in low-cost tubular digesters at high altitude. <i>Bioresource Technology</i> , 2011 , 102, 6356-9	11	34
19	Pretreatment and co-digestion of microalgae, sludge and fat oil and grease (FOG) from microalgae-based wastewater treatment plants. <i>Bioresource Technology</i> , 2020 , 298, 122563	11	33
18	Evaluating environmental benefits of low-cost biogas digesters in small-scale farms in Colombia: A life cycle assessment. <i>Bioresource Technology</i> , 2019 , 274, 541-548	11	30
17	Natural Pigments and Biogas Recovery from Microalgae Grown in Wastewater. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 10691-10701	8.3	26
16	A multi-criteria decision support tool for the assessment of household biogas digester programmes in rural areas. A case study in Peru. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 95, 74-83	16.2	25

15	Influence of hydraulic loading rate, simulated storm events and seasonality on the treatment performance of an experimental three-stage hybrid constructed wetland system. <i>Ecological Engineering</i> , 2016 , 87, 324-332	3.9	22
14	Decision-making criteria and indicators for water and sanitation projects in developing countries. <i>Water Science and Technology</i> , 2011 , 64, 83-101	2.2	22
13	Reliability and economic feasibility of online monitoring of constructed wetlands performance. <i>Desalination and Water Treatment</i> , 2014 , 52, 5848-5855		9
12	Constructed wetlands operated as bioelectrochemical systems for the removal of organic micropollutants. <i>Chemosphere</i> , 2021 , 271, 129593	8.4	9
11	Microalgae: a sustainable adsorbent with high potential for upconcentration of indium(III) from liquid process and waste streams. <i>Green Chemistry</i> , 2020 , 22, 1985-1995	10	8
10	Low-cost anaerobic digester to promote the circular bioeconomy in the non-centrifugal cane sugar sector: A life cycle assessment. <i>Bioresource Technology</i> , 2021 , 326, 124783	11	6
9	Life Cycle Assessment of the Mesophilic, Thermophilic, and Temperature-Phased Anaerobic Digestion of Sewage Sludge. <i>Water (Switzerland)</i> , 2020 , 12, 3140	3	5
8	Promotion of full-scale constructed wetlands in the wine sector: Comparison of greenhouse gas emissions with activated sludge systems. <i>Science of the Total Environment</i> , 2021 , 770, 145326	10.2	5
7	Health and environmental impacts of drinking water choices in Barcelona, Spain: A modelling study. <i>Science of the Total Environment</i> , 2021 , 795, 148884	10.2	5
6	Carbon footprint of constructed wetlands for winery wastewater treatment. <i>Ecological Engineering</i> , 2020 , 156, 105959	3.9	4
5	Cooperation and Human Development Projects as Bachelor, Master and PhD Thesis: Evaluating an Internship Program. <i>Procedia, Social and Behavioral Sciences</i> , 2015 , 196, 63-68		3
4	Reusing industrial by-products to enhance phosphorus removal in waste stabilization ponds: laboratory approach. <i>Desalination and Water Treatment</i> , 2016 , 57, 1857-1864		3
3	Behavior of UV Filters, UV Blockers and Pharmaceuticals in High Rate Algal Ponds Treating Urban Wastewater. <i>Water (Switzerland)</i> , 2020 , 12, 2658	3	2
2	A robust multicriteria analysis for the post-treatment of digestate from low-tech digesters. Boosting the circular bioeconomy of small-scale farms in Colombia. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 112638	16.2	2
1	Benefits and risks of agricultural reuse of digestates from plastic tubular digesters in Colombia. <i>Waste Management</i> , 2021 , 135, 220-228	8.6	1