Eugenia J OlguÃ-n

List of Publications by Year
in descending order

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28 papers	1,729 citations	394421 19 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	2065 citing authors

#	Article	IF	Citations
1	Dual purpose microalgaeâ€“bacteria-based systems that treat wastewater and produce biodiesel and chemical products within a Biorefinery. Biotechnology Advances, 2012, 30, 1031-1046.	11.7	387
2	Phycoremediation: key issues for cost-effective nutrient removal processes. Biotechnology Advances, 2003, 22, 81-91.	11.7	335
3	Annual productivity of Spirulina (Arthrospira) and nutrient removal in a pig wastewater recycling process under tropical conditions. Journal of Applied Phycology, 2003, 15, 249-257.	2.8	213
4	Heavy metal removal in phytofiltration and phycoremediation: the need to differentiate between bioadsorption and bioaccumulation. New Biotechnology, 2012, 30, 3-8.	4.4	170
5	Long-term assessment at field scale of Floating Treatment Wetlands for improvement of water quality and provision of ecosystem services in a eutrophic urban pond. Science of the Total Environment, 2017, 584-585, 561-571.	8.0	72
6	Microbial fixation of CO2 in water bodies and in drylands to combat climate change, soil loss and desertification. New Biotechnology, 2015, 32, 109-120.	4.4	59
7	Assessment of the Hyperaccumulating Lead Capacity of Salvinia minima Using Bioadsorption and Intracellular Accumulation Factors. Water, Air, and Soil Pollution, 2008, 194, 77-90.	2.4	53
8	Constructed wetland mesocosms for the treatment of diluted sugarcane molasses stillage from ethanol production using Pontederia sagittata. Water Research, 2008, 42, 3659-3666.	11.3	45
9	Surface adsorption, intracellular accumulation and compartmentalization of Pb(II) in batch-operated lagoons with Salvinia minima as affected by environmental conditions, EDTA and nutrients. Journal of Industrial Microbiology and Biotechnology, 2005, 32, 577-586.	3.0	37
10	Year-round phytofiltration lagoon assessment using Pistia stratiotes within a pilot-plant scale biorefinery. Science of the Total Environment, 2017, 592, 326-333.	8.0	36
11	Assessment of the Phytoremediation Potential of Salvinia minima Baker Compared to Spirodela polyrrhiza in High-strength Organic Wastewater. Water, Air, and Soil Pollution, 2007, 181, 135-147.	2.4	35
12	Leaching of lead by ammonium salts and EDTA from Salvinia minima biomass produced during aquatic phytoremediation. Journal of Hazardous Materials, 2008, 154, 623-632.	12.4	35
13	Aquatic phytoremediation: Novel insights in tropical and subtropical regions. Pure and Applied Chemistry, 2010, 82, 27-38.	1.9	32
14	Anaerobic digestates from vinasse promote growth and lipid enrichment in Neochloris oleoabundans cultures. Journal of Applied Phycology, 2015, 27, 1813-1822.	2.8	32
15	Resource recovery through recycling of sugar processing by-products and residuals. Resources, Conservation and Recycling, 1995, 15, 85-94.	10.8	28
16	Dual purpose system that treats anaerobic effluents from pig waste and produce Neochloris oleoabundans as lipid rich biomass. New Biotechnology, 2015, 32, 387-395.	4.4	25
17	Cleaner production and environmentally sound biotechnology for the prevention of upstream nutrient pollution in the Mexican coast of the Gulf of MÃ©xico. Ocean and Coastal Management, 2004, 47, 641-670.	4.4	22
18	Leaves and Roots of Pistia stratiotes as Sorbent Materials for the Removal of Crude Oil from Saline Solutions. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	22

#	Article	IF	Citations
19	Mixotrophic cultivation of Chlorococcum sp. under non-controlled conditions using a digestate from pig manure within a biorefinery. Journal of Applied Phycology, 2018, 30, 2847-2857.	2.8	22
20	Dual Purpose System for Water Treatment From a Polluted River and the Production of Pistia stratiotes Biomass Within a Biorefinery. Clean - Soil, Air, Water, 2015, 43, 1514-1521.	1.1	15
21	Accelerated coffee pulp composting. Biodegradation, 1999, 10, 35-41.	3.0	13
22	Cascading impacts of anthropogenically driven habitat loss: deforestation, flooding, and possible lead poisoning in howler monkeys (Alouatta pigra). Primates, 2015, 56, 29-35.	1.1	12
23	Continuous dye adsorption and desorption on an invasive macrophyte (Salvinia minima). Environmental Science and Pollution Research, 2019, 26, 5955-5970.	5.3	11
24	Pontederia sagittata and Cyperus papyrus contribution to carbon storage in floating treatment wetlands established in subtropical urban ponds. Science of the Total Environment, 2022, 832, 154990.	8.0	8
25	Color Removal from Anaerobically Digested Sugar Cane Stillage by Biomass from Invasive Macrophytes. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	7
26	Biotechnology: a highly efficient tool for the current environmental challenges. Science of the Total Environment, 2018, 616-617, 1664-1667.	8.0	1
27	Carbon speciation and flocculation in Neochloris oleoabundans cultures using anaerobically digested stillage. World Journal of Microbiology and Biotechnology, 2019, 35, 14.	3.6	1
28	Bioadsorption and intracellular accumulation factors of lead in constructed wetlands microcosms with Salvinia minima operating continuously: The effect of light intensity. Journal of Biotechnology, 2008, 136, S707.	3.8	0