Gary BaÃ±uelos

List of Publications by Year
in descending order

24 papers	1,604 citations	516710 16 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	1844 citing authors

#	Article	IF	Citations
1	Selenium Cycling Across Soil-Plant-Atmosphere Interfaces: A Critical Review. Nutrients, 2015, 7, 4199-4239.	4.1	319
2	The Phytomanagement of Trace Elements in Soil. Critical Reviews in Plant Sciences, 2009, 28, 240-266.	5.7	265
3	Field Trial of Transgenic Indian Mustard Plants Shows Enhanced Phytoremediation of Selenium-Contaminated Sediment. Environmental Science & Technology, 2005, 39, 1771-1777.	10.0	219
4	Constructed wetlands for saline wastewater treatment: A review. Ecological Engineering, 2017, 98, 275-285.	3.6	164
5	Daily Dietary Selenium Intake in a High Selenium Area of Enshi, China. Nutrients, 2013, 5, 700-710.	4.1	78
6	Removal of nutrients in saline wastewater using constructed wetlands: Plant species, influent loads and salinity levels as influencing factors. Chemosphere, 2017, 187, 52-61.	8.2	69
7	Bioaugmented constructed wetlands for denitrification of saline wastewater: A boost for both microorganisms and plants. Environment International, 2020, 138, 105628.	10.0	64
8	Removal of sulfamethoxazole from salt-laden wastewater in constructed wetlands affected by plant species, salinity levels and co-existing contaminants. Chemical Engineering Journal, 2018, 341, 462-470.	12.7	63
9	Greenhouse gas emissions and wastewater treatment performance by three plant species in subsurface flow constructed wetland mesocosms. Chemosphere, 2020, 239, 124795.	8.2	56
10	The Changing Selenium Nutritional Status of Chinese Residents. Nutrients, 2014, 6, 1103-1114.	4.1	54
11	Removal of sulfamethoxazole and tetracycline in constructed wetlands integrated with microbial fuel cells influenced by influent and operational conditions. Environmental Pollution, 2021, 272, 115988.	7.5	48
12	Evaluation of the halophyte Salsola soda as an alternative crop for saline soils high in selenium and boron. Journal of Environmental Management, 2015, 157, 96-102.	7.8	46
13	High removal efficiencies of antibiotics and low accumulation of antibiotic resistant genes obtained in microbial fuel cell-constructed wetlands intensified by sponge iron. Science of the Total Environment, 2022, 806, 150220.	8.0	29
14	Removal of chlorpyrifos and its hydrolytic metabolite 3,5,6-trichloro-2-pyridinol in constructed wetland mesocosms under soda saline-alkaline conditions: Effectiveness and influencing factors. Journal of Hazardous Materials, 2019, 373, 67-74.	12.4	26
15	Biosynthesis of selenium nanoparticles and effects of selenite, selenate, and selenomethionine on cell growth and morphology in Rahnella aquatilis HX2. Applied Microbiology and Biotechnology, 2018, 102, 6191-6205.	3.6	23
16	Evaluation of two hybrid poplar clones as constructed wetland plant species for treating saline water high in boron and selenium, or waters only high in boron. Journal of Hazardous Materials, 2017, 333, 319-328.	12.4	21
17	Influence of salinity and boron on germination, seedling growth and transplanting mortality of guayule: A combined growth chamber and greenhouse study. Industrial Crops and Products, 2016, 92, 236-243.	5.2	12
18	Microbial community biomass and structure in saline and non-saline soils associated with salt- and boron-tolerant poplar clones grown for the phytoremediation of selenium. International Journal of Phytoremediation, 2018, 20, 129-137.	3.1	11

#	Article	IF	Citations
19	Influence of salt stress on propagation, growth and nutrient uptake of typical aquatic plant species. Nordic Journal of Botany, 2019, 37, .	0.5	11
20	Removal of chlorpyrifos and its hydrolytic metabolite in microcosm-scale constructed wetlands under soda saline-alkaline condition: Mass balance and intensification strategies. Science of the Total Environment, 2021, 777, 145956.	8.0	11
21	Two Poplar Hybrid Clones Differ in Phenolic Antioxidant Levels and Polyphenol Oxidase Activity in Response to High Salt and Boron Irrigation. Journal of Agricultural and Food Chemistry, 2018, 66, 7256-7264.	5.2	6
22	Feasibility of growing halophyte â€œagrettiâ€•(Salsola soda) as an alternative boron-tolerant food crop in unproductive boron-laden regions. Plant and Soil, 2019, 445, 323-334.	3.7	4
23	Evaluating Oilseed Biofuel Production Feasibility in Californiaâ€™s San Joaquin Valley Using Geophysical and Remote Sensing Techniques. Sensors, 2017, 17, 2343.	3.8	3
24	Can As concentration in crop be controlled by Se fertilization? A meta-analysis and outline of As sequestration mechanisms. Science of the Total Environment, 2022, 838, 155967.	8.0	2