Francisco J Choix

List of Publications by Year
in descending order

16	377	840585 11	887953 17
papers	citations	h-index	g-index

17	17	17	388
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced accumulation of starch and total carbohydrates in alginate-immobilized Chlorella spp. induced by Azospirillum brasilense: II. Heterotrophic conditions. Enzyme and Microbial Technology, 2012, 51, 300-309.	1.6	80
2	Enhanced accumulation of starch and total carbohydrates in alginate-immobilized Chlorella spp. induced by Azospirillum brasilense: I. Autotrophic conditions. Enzyme and Microbial Technology, 2012, 51, 294-299.	1.6	58
3	Enhanced activity of ADP glucose pyrophosphorylase and formation of starch induced by Azospirillum brasilense in Chlorella vulgaris. Journal of Biotechnology, 2014, 177, 22-34.	1.9	46
4	Influence of tryptophan and indole-3-acetic acid on starch accumulation in the synthetic mutualistic Chlorella sorokinianaâ€“Azospirillum brasilense system under heterotrophic conditions. Research in Microbiology, 2016, 167, 367-379.	1.0	33
5	Azospirillum brasilense Increases CO2 Fixation on Microalgae Scenedesmus obliquus, Chlorella vulgaris, and Chlamydomonas reinhardtii Cultured on High CO2 Concentrations. Microbial Ecology, 2018, 76, 430-442.	1.4	32
6	High biomass production and CO2 fixation from biogas by Chlorella and Scenedesmus microalgae using tequila vinasses as culture medium. Journal of Applied Phycology, 2018, 30, 2247-2258.	1.5	21
7	Nutrient composition of culture media induces different patterns of CO2 fixation from biogas and biomass production by the microalga Scenedesmus obliquus U169. Bioprocess and Biosystems Engineering, 2017, 40, 1733-1742.	1.7	19
8	Biotechnological potential of Chlorella sp. and Scenedesmus sp. microalgae to endure high CO2 and methane concentrations from biogas. Bioprocess and Biosystems Engineering, 2019, 42, 1603-1610.	1.7	18
9	Azospirillum brasilense-microalga interaction increases growth and accumulation of cell compounds in Chlorella vulgaris and Tetradesmus obliquus cultured under nitrogen stress. Journal of Applied Phycology, 2019, 31, 3465-3477.	1.5	14
10	CO2 Removal from Biogas by Cyanobacterium Leptolyngbya sp. CChF1 Isolated from the Lake Chapala, Mexico: Optimization of the Temperature and Light Intensity. Applied Biochemistry and Biotechnology, 2017, 183, 1304-1322.	1.4	13
11	Mangrove Productivity and Phenology in Relation to Hydroperiod and Physicalâ€“Chemistry Properties of Water and Sediment in Biosphere Reserve, Centla Wetland, Mexico. Tropical Conservation Science, 2018, 11, 194008291880518.	0.6	12
12	Production and biomass of mangrove roots in relation to hydroperiod and physico-chemical properties of sediment and water in the Mecoacan Lagoon, Gulf of Mexico. Wetlands Ecology and Management, 2019, 27, 427-442.	0.7	10
13	Root biomass and productivity in subtropical arid mangroves from the Gulf of California. Rhizosphere, 2021, 18, 100356.	1.4	6
14	Active indole-3-acetic acid biosynthesis by the bacterium Azospirillum brasilense cultured under a biogas atmosphere enables its beneficial association with microalgae. Journal of Applied Microbiology, 2022, 132, 3650-3663.	1.4	5
15	Mixotrophic growth regime as a strategy to develop microalgal bioprocess from nutrimental composition of tequila vinasses. Bioprocess and Biosystems Engineering, 2021, 44, 1155-1166.	1.7	4
16	Chemical and Physical Affinity of Microalgaâ€“Azospirillum Consortium Co-cultured in Suspension During CO2 Fixation from Biogas. Bioenergy Research, 2023, 16, 579-592.	2.2	3