

Rafael Bruno Vieira

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

280
citations

1163117

8
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

400
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradation of effluent contaminated with diesel fuel and gasoline. Journal of Hazardous Materials, 2007, 140, 52-59.	12.4	77
2	Biodegradation of diesel oil and gasoline contaminated effluent employing intermittent aeration. Journal of Hazardous Materials, 2009, 168, 1366-1372.	12.4	38
3	Statistical analysis and optimization of nitrogen, phosphorus, and inoculum concentrations for the biodegradation of petroleum hydrocarbons by response surface methodology. World Journal of Microbiology and Biotechnology, 2009, 25, 427-438.	3.6	31
4	Maximum microalgae biomass harvesting via flocculation in large scale photobioreactor cultivation. Canadian Journal of Chemical Engineering, 2016, 94, 304-309.	1.7	27
5	Thermal treatment of clay-based ceramic membranes for microfiltration of <i>Acutodesmus obliquus</i> . Applied Clay Science, 2017, 150, 217-224.	5.2	25
6	Influence of thermally modified clays and inexpensive pore-generating and strength improving agents on the properties of porous ceramic membrane. Applied Clay Science, 2019, 168, 260-268.	5.2	17
7	Optimization of flocculation with tannin-based flocculant in the water reuse and lipidic production for the cultivation of <i>Acutodesmus obliquus</i> . Separation Science and Technology, 2017, 52, 936-942.	2.5	16
8	Sedimentation of mixed cultures using natural coagulants for the treatment of effluents generated in terrestrial fuel distribution terminals. Journal of Hazardous Materials, 2012, 231-232, 98-104.	12.4	15
9	A new approach on astaxanthin extraction via acid hydrolysis of wet <i>Haematococcus pluvialis</i> biomass. Journal of Applied Phycology, 2021, 33, 2957-2966.	2.8	9
10	Effect of stainless-steel slag concentration in the fabrication of cost-effective ceramic membranes: Seawater pre-treatment application. Ceramics International, 2022, 48, 23273-23283.	4.8	5
11	BIODEGRADATION OF EFFLUENT CONTAMINATED WITH DIESEL OIL AND GASOLINE USING CHITOSAN AS A NATURAL COAGULANT IN A CONTINUOUS PROCESS. Brazilian Journal of Chemical Engineering, 2016, 33, 863-869.	1.3	4
12	Experimental validation of hindered settling models and flux theory applied in continuous flow process for harvesting <i>Acutodesmus obliquus</i> . Canadian Journal of Chemical Engineering, 2019, 97, 1903-1912.	1.7	4
13	Regeneration study of ecat-R as adsorbent for denitrogenation and desulfurization of diesel fuels. Chemical Industry and Chemical Engineering Quarterly, 2020, 26, 277-285.	0.7	4
14	The sedimentation of mixed cultures used in the treatment of effluents generated from terrestrial fuel distribution terminals. Journal of Hazardous Materials, 2010, 184, 177-183.	12.4	3
15	Microfiltration of Oil-in-water Emulsion Using Modified Ceramic Membrane: Surface Properties, Membrane Resistance, Critical Flux, and Cake Behavior. Materials Research, 0, 25, .	1.3	2
16	Effects of Flocculant Concentration and Temperature on the Membrane Separation Process in Microalgae. Chemical Engineering and Technology, 0, , .	1.5	2
17	Fabrication and characterization of low cost ceramic membranes for microfiltration of <i>Acutodesmus obliquus</i> using modified clays. Revista Materia, 2019, 24, .	0.2	1