Alberto Alvarez-Gallegos

List of Publications by Year
in descending order

30 papers	664 citations	623699 14 h-index	552766 26 g-index
30 all docs	30 docs citations	30 times ranked	811 citing authors

#	Article	IF	Citations
1	Sediment Microbial Fuel Cell Power Boosted by Natural Chitin Degradation and Oxygen Reduction Electrocatalysts. Clean - Soil, Air, Water, 2021, 49, 2000465.	1.1	5
2	Oil-contaminated sediment amended with chitin enhances power production by minimizing the sediment microbial fuel cell internal resistance. Journal of Electroanalytical Chemistry, 2021, 894, 115365.	3.8	10
3	Improving the power density of a *Geobacter* consortium‐based microbial fuel cell by incorporating a highly dispersed birnessite/C cathode. Journal of Chemical Technology and Biotechnology, 2020, 95, 3169-3178.	3.2	5
4	*E. coli* Inactivation Kinetics Modeling in a Taylor-Couette UV Disinfection Reactor. International Journal of Photoenergy, 2020, 2020, 1-11.	2.5	1
5	Effective Electro-Fenton Treatment for a Real Textile Effluent: A Case Study. Journal of Water Process Engineering, 2020, 37, 101434.	5.6	10
6	Short communication: The effects of not controlling the hydrogen supplied to an internal combustion engine. International Journal of Hydrogen Energy, 2020, 45, 14991-14996.	7.1	11
7	Kinetics of Acid Orange 7 oxidation by using carbon fiber and reticulated vitreous carbon in an electro-Fenton process. Journal of Environmental Management, 2018, 213, 279-287.	7.8	37
8	Photoelectrocatalytic inactivation of fecal coliform bacteria in urban wastewater using nanoparticulated films of TiO_2 and TiO_2/Ag. Environmental Technology (United Kingdom), 2017, 38, 606-614.	2.2	24
9	Recent Overview of Solar Photocatalysis and Solar Photo-Fenton Processes for Wastewater Treatment. International Journal of Photoenergy, 2017, 2017, 1-27.	2.5	70
10	Fenton Process Coupled to Ultrasound and UV Light Irradiation for the Oxidation of a Model Pollutant. Journal of Chemistry, 2016, 2016, 1-7.	1.9	20
11	Cadmium removal from dilute aqueous solutions under galvanostatic mode in a flow-through cell. Desalination and Water Treatment, 2016, 57, 22809-22817.	1.0	8
12	Improved of effective wetting area and film thickness on a concentric helical bank of a generator for an absorption heat transformer. Applied Thermal Engineering, 2016, 106, 1319-1328.	6.0	10
13	Treatment of industrial effluents by electrochemical generation of H_2O_2 using an RVC cathode in a parallel plate reactor. Environmental Technology (United Kingdom), 2016, 37, 815-827.	2.2	13
14	Semi-empirical chemical model for indirect advanced oxidation of Acid Orange 7 using an unmodified carbon fabric cathode for H2O2 production in an electrochemical reactor. Journal of Environmental Management, 2016, 171, 29-34.	7.8	10
15	Theoretical‐experimental analysis of the heat transfer in a helical condenser for a heat transformer integrated to a water purification system. Desalination and Water Treatment, 2016, 57, 23132-23146.	1.0	0
16	Modeling methylene blue oxidation by means of Fenton chemistry enhanced by UV irradiation at mild conditions. Desalination and Water Treatment, 2015, 55, 3646-3652.	1.0	2
17	Elimination of bio-refractory chlorinated herbicides like atrazine, alachlor, and chlorbromuron from aqueous effluents by Fenton, electro-Fenton, and peroxi-coagulation methods. Desalination and Water Treatment, 2015, 55, 3683-3693.	1.0	21
18	Indium sulfide thin films as window layer in chemically deposited solar cells. Thin Solid Films, 2014, 550, 110-113.	1.8	28

#	Article	IF	Citations
19	CFD evaluation of internal manifold effects on mass transport distribution in a laboratory filter-press flow cell. Journal of Applied Electrochemistry, 2013, 43, 453-465.	2.9	23
20	Influence of NaCl, Na2SO4 and O2 on power generation from microbial fuel cells with non-catalyzed carbon electrodes and natural inocula. Solar Energy, 2012, 86, 1099-1107.	6.1	16
21	H2 production by PEM electrolysis, assisted by textile effluent treatment and a solar photovoltaic cell. International Journal of Hydrogen Energy, 2010, 35, 10833-10841.	7.1	24
22	Prediction of mass transport profiles in a laboratory filter-press electrolyser by computational fluid dynamics modelling. Electrochimica Acta, 2010, 55, 3446-3453.	5.2	18
23	Simulation of velocity profiles in a laboratory electrolyser using computational fluid dynamics. Electrochimica Acta, 2010, 55, 3437-3445.	5.2	33
24	Decolorizing textile wastewater with Fenton's reagent electrogenerated with a solar photovoltaic cell. Water Research, 2009, 43, 283-294.	11.3	84
25	Definition of the flow dynamics by numerical analysis in a filterpress reactor. International Journal of Hydrogen Energy, 2007, 32, 3126-3132.	7.1	1
26	Solar hydrogen peroxide. Solar Energy Materials and Solar Cells, 2005, 88, 157-167.	6.2	18
27	The removal of low level organics via hydrogen peroxide formed in a reticulated vitreous carbon cathode cell, Part 1. The electrosynthesis of hydrogen peroxide in aqueous acidic solutions. Electrochimica Acta, 1998, 44, 853-861.	5.2	160
28	Simulation and experimental validation of Taylor-Couette flow in square cross-section container for water treatment reactor. , 0, 73, 353-372.		2
29	Prediction of cathodic Cu2+ reduction in a laboratory filter-press electrolyser by computational fluid dynamics modelling. , 0, 61, 284-292.		0
30	Boosting Power Generation by Sediment Microbial Fuel Cell in Oil-Contaminated Sediment Amended with Gasoline/Kerosene. Journal of Electrochemical Science and Technology, 0, , .	2.2	0