Juan M Peralta-HernÃ¡ndez

List of Publications by Year
in descending order

21 papers	755 citations	567281 15 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	830 citing authors

#	Article	IF	Citations
1	Application of solar photoelectro-Fenton technology to azo dyes mineralization: Effect of current density, Fe2+ and dye concentrations. Chemical Engineering Journal, 2011, 171, 385-392.	12.7	153
2	Comparative study for degradation of industrial dyes by electrochemical advanced oxidation processes with BDD anode in a laboratory stirred tank reactor. Chemosphere, 2018, 205, 682-689.	8.2	76
3	Diazo dye Congo Red degradation using a Boron-doped diamond anode: An experimental study on the effect of supporting electrolytes. Journal of Hazardous Materials, 2016, 319, 78-83.	12.4	75
4	Application of electrochemical/BDD process for the treatment wastewater effluents containing pharmaceutical compounds. Journal of Industrial and Engineering Chemistry, 2015, 31, 238-243.	5.8	71
5	Proposal for highly efficient electrochemical discoloration and degradation of azo dyes with parallel arrangement electrodes. Journal of Electroanalytical Chemistry, 2019, 838, 195-203.	3.8	52
6	Electrochemical advanced oxidation discoloration and removal of three brown diazo dyes used in the tannery industry. Journal of Electroanalytical Chemistry, 2020, 873, 114360.	3.8	47
7	Electrochemical oxidation technology to treat textile wastewaters. Current Opinion in Electrochemistry, 2021, 29, 100806.	4.8	46
8	Discoloration of azo dye Brown HT using different advanced oxidation processes. Chemosphere, 2021, 267, 129234.	8.2	31
9	A critical review on paracetamol removal from different aqueous matrices by Fenton and Fenton-based processes, and their combined methods. Chemosphere, 2022, 303, 134883.	8.2	31
10	Coupling of the electrochemical oxidation (EO-BDD)/photocatalysis (TiO2-Fe-N) processes for degradation of acid blue BR dye. Journal of Electroanalytical Chemistry, 2018, 808, 180-188.	3.8	25
11	Applying electro-Fenton process as an alternative to a slaughterhouse effluent treatment. Journal of Electroanalytical Chemistry, 2015, 754, 80-86.	3.8	23
12	Characterization of ferrate ion electrogeneration in acidic media by voltammetry and scanning electrochemical microscopy. Assessment of its reactivity on 2,4-dichlorophenoxyacetic acid degradation. Electrochimica Acta, 2012, 64, 196-204.	5.2	22
13	Up to 95Â% reduction of chemical oxygen demand of slaughterhouse effluents using Fenton and photo-Fenton oxidation. Environmental Chemistry Letters, 2016, 14, 149-154.	16.2	21
14	Electro-Fenton mineralization of diazo dye Black NT2 using a pre-pilot flow plant. Journal of Electroanalytical Chemistry, 2021, 895, 115492.	3.8	16
15	Decolorization and degradation of reactive yellow HF aqueous solutions by electrochemical advanced oxidation processes. Environmental Science and Pollution Research, 2017, 24, 12506-12514.	5.3	15
16	Genetic algorithm and artificial neural network model for prediction of discoloration dye from an electro-oxidation process in a press-type reactor. Water Science and Technology, 2018, 78, 925-935.	2.5	12
17	Production of free radicals by the Co2+/Oxone system to carry out diclofenac degradation in aqueous medium. Water Science and Technology, 2018, 78, 2131-2140.	2.5	11
18	Enhanced Photocatalytic Activity of TiO₂ Modified with GaI toward Environmental Application. Inorganic Chemistry, 2020, 59, 1315-1322.	4.0	9

#	Article	IF	Citations
19	Simultaneous Electrochemical Generation of Ferrate and Oxygen Radicals to Blue BR Dye Degradation. Processes, 2020, 8, 753.	2.8	9
20	Comparison and statistical analysis for post-tanning synthetic wastewater degradation using different electrochemical processes. Chemical Engineering and Processing: Process Intensification, 2021, 159, 108244.	3.6	8
21	ElectrocoagulaciÃ³n de soluciones de Ãndigo carmÃn empleando Ã¡nodos de magnesio y de aleaciÃ³n AZ31. DYNA (Colombia), 2018, 85, 258-267.	0.4	2