

Francisca C Moreira

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

3,064
citations

331670

21
h-index

501196

28
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28
all docs

28
docs citations

28
times ranked

3406
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical advanced oxidation processes: A review on their application to synthetic and real wastewaters. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 217-261.	20.2	1,579
2	Decolorization and mineralization of Sunset Yellow FCF azo dye by anodic oxidation, electro-Fenton, UVA photoelectro-Fenton and solar photoelectro-Fenton processes. <i>Applied Catalysis B: Environmental</i> , 2013, 142-143, 877-890.	20.2	172
3	Degradation of the antibiotic trimethoprim by electrochemical advanced oxidation processes using a carbon-PTFE air-diffusion cathode and a boron-doped diamond or platinum anode. <i>Applied Catalysis B: Environmental</i> , 2014, 160-161, 492-505.	20.2	169
4	Tertiary treatment of a municipal wastewater toward pharmaceuticals removal by chemical and electrochemical advanced oxidation processes. <i>Water Research</i> , 2016, 105, 251-263.	11.3	115
5	Incorporation of electrochemical advanced oxidation processes in a multistage treatment system for sanitary landfill leachate. <i>Water Research</i> , 2015, 81, 375-387.	11.3	103
6	Enhancement of the photo-Fenton reaction at near neutral pH through the use of ferrioxalate complexes: A case study on trimethoprim and sulfamethoxazole antibiotics removal from aqueous solutions. <i>Chemical Engineering Journal</i> , 2014, 247, 302-313.	12.7	100
7	Biodegradability enhancement of a pesticide-containing bio-treated wastewater using a solar photo-Fenton treatment step followed by a biological oxidation process. <i>Water Research</i> , 2012, 46, 4599-4613.	11.3	82
8	Degradation of trimethoprim antibiotic by UVA photoelectro-Fenton process mediated by Fe(III)–carboxylate complexes. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 34-44.	20.2	79
9	Remediation of a winery wastewater combining aerobic biological oxidation and electrochemical advanced oxidation processes. <i>Water Research</i> , 2015, 75, 95-108.	11.3	68
10	Electrochemical advanced oxidation processes for sanitary landfill leachate remediation: Evaluation of operational variables. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 161-171.	20.2	66
11	A step forward in heterogeneous photocatalysis: Process intensification by using a static mixer as catalyst support. <i>Chemical Engineering Journal</i> , 2018, 343, 597-606.	12.7	57
12	Chemical and electrochemical advanced oxidation processes as a polishing step for textile wastewater treatment: A study regarding the discharge into the environment and the reuse in the textile industry. <i>Journal of Cleaner Production</i> , 2018, 198, 430-442.	9.3	57
13	Towards sustainable microalgal biomass production by phycoremediation of a synthetic wastewater: A kinetic study. <i>Algal Research</i> , 2015, 11, 350-358.	4.6	56
14	Application of biological oxidation and solar driven advanced oxidation processes to remediation of winery wastewater. <i>Catalysis Today</i> , 2013, 209, 201-208.	4.4	55
15	Nitrogen Removal from Landfill Leachate by Microalgae. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1926.	4.1	42
16	Treatment of a pesticide-containing wastewater using combined biological and solar-driven AOPs at pilot scale. <i>Chemical Engineering Journal</i> , 2012, 209, 429-441.	12.7	41
17	Integration of Fenton's reaction based processes and cation exchange processes in textile wastewater treatment as a strategy for water reuse. <i>Journal of Environmental Management</i> , 2020, 272, 111082.	7.8	33
18	Sulphur compounds removal from an industrial landfill leachate by catalytic oxidation and chemical precipitation: From a hazardous effluent to a value-added product. <i>Science of the Total Environment</i> , 2019, 655, 1249-1260.	8.0	27

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19	Single and combined electrochemical oxidation driven processes for the treatment of slaughterhouse wastewater. <i>Journal of Cleaner Production</i> , 2020, 270, 121858.	9.3	27
20	Development of an integrated treatment strategy for a leather tannery landfill leachate. <i>Waste Management</i> , 2019, 89, 114-128.	7.4	26
21	Selecting the best piping arrangement for scaling-up an annular channel reactor: An experimental and computational fluid dynamics study. <i>Science of the Total Environment</i> , 2019, 667, 821-832.	8.0	25
22	Advances in bromate reduction by heterogeneous photocatalysis: The use of a static mixer as photocatalyst support. <i>Applied Catalysis B: Environmental</i> , 2019, 249, 322-332.	20.2	18
23	Development of a treatment train for the remediation of a hazardous industrial waste landfill leachate: A big challenge. <i>Science of the Total Environment</i> , 2020, 741, 140165.	8.0	14
24	Incorporation of ozone-driven processes in a treatment line for a leachate from a hazardous industrial waste landfill: Impact on the bio-refractory character and dissolved organic matter distribution. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105554.	6.7	14
25	Bromate removal from water intended for human consumption by heterogeneous photocatalysis: Effect of major dissolved water constituents. <i>Chemosphere</i> , 2021, 263, 128111.	8.2	12
26	Photo-Fenton oxidation of 3-amino-5-methylisoxazole: a by-product from biological breakdown of some pharmaceutical compounds. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6195-6204.	5.3	10
27	Multistage treatment for olive mill wastewater: Assessing legal compliance and operational costs. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107442.	6.7	9
28	Finding a suitable treatment solution for a leachate from a non-hazardous industrial solid waste landfill. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105168.	6.7	8