

# Rodrigo Pereira Cavalcante

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

441  
citations

933264

10  
h-index

996849

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

662  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photo-anodes based on B-doped TiO <sub>2</sub> for photoelectrocatalytic degradation of propyphenazone: Identification of intermediates, and acute toxicity evaluation. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107212.	3.3	10
2	Leachate degradation using solar photo-fenton like process: Influence of coagulation-flocculation as a pre-treatment step. <i>Separation and Purification Technology</i> , 2022, 289, 120712.	3.9	8
3	Evaluation of the main active species involved in the TiO <sub>2</sub> photocatalytic degradation of ametryn herbicide and its by-products. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105109.	3.3	16
4	Combined AOP/GAC/AOP systems for secondary effluent polishing: Optimization, toxicity and disinfection. <i>Separation and Purification Technology</i> , 2021, 263, 118415.	3.9	12
5	Photoelectrocatalytic Degradation of Methylene Blue Using ZnO Nanorods Fabricated on Silicon Substrates. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 1177-1188.	0.9	9
6	Assessment of 4-aminopyridine Degradation and Mineralization by Photoelectro-Fenton with a Boron-Doped Diamond Anode: Optimization, Treatment in Municipal Secondary Effluent, and Toxicity. <i>ChemElectroChem</i> , 2019, 6, 865-875.	1.7	6
7	H <sub>2</sub> O <sub>2</sub> -assisted photoelectrocatalytic degradation of Mitoxantrone using CuO nanostructured films: Identification of by-products and toxicity. <i>Science of the Total Environment</i> , 2019, 651, 2845-2856.	3.9	34
8	Identification of intermediates, acute toxicity removal, and kinetics investigation to the Ametryn treatment by direct photolysis (UV254), UV254/H <sub>2</sub> O <sub>2</sub> , Fenton, and photo-Fenton processes. <i>Environmental Science and Pollution Research</i> , 2019, 26, 4348-4366.	2.7	19
9	Mineralization of humic acids (HAs) by a solar photo-Fenton reaction mediated by ferrioxalate complexes: commercial HAs vs extracted from leachates. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27783-27795.	2.7	6
10	Optimization of nimesulide oxidation via a UV-ABC/H <sub>2</sub> O <sub>2</sub> treatment process: Degradation products, ecotoxicological effects, and their dependence on the water matrix. <i>Chemosphere</i> , 2018, 207, 457-468.	4.2	27
11	Photocatalytic mechanism of metoprolol oxidation by photocatalysts TiO <sub>2</sub> and TiO <sub>2</sub> doped with 5% B: Primary active species and intermediates. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 111-122.	10.8	94
12	Tolfenamic acid degradation by direct photolysis and the UV-ABC/H <sub>2</sub> O <sub>2</sub> process: factorial design, kinetics, identification of intermediates, and toxicity evaluation. <i>Science of the Total Environment</i> , 2016, 573, 518-531.	3.9	36
13	Photocatalytic treatment of metoprolol with B-doped TiO <sub>2</sub> : Effect of water matrix, toxicological evaluation and identification of intermediates. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 173-182.	10.8	61
14	Synthesis and characterization of B-doped TiO <sub>2</sub> and their performance for the degradation of metoprolol. <i>Catalysis Today</i> , 2015, 252, 27-34.	2.2	60
15	Application of Fenton, photo-Fenton, solar photo-Fenton, and UV/H <sub>2</sub> O <sub>2</sub> to degradation of the antineoplastic agent mitoxantrone and toxicological evaluation. <i>Environmental Science and Pollution Research</i> , 2013, 20, 2352-2361.	2.7	35
16	Synthesis, Characterization, and Photocatalytic Activity of Pure and N-, B-, or Ag- Doped TiO <sub>2</sub> . <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	8