

Guilherme Bessegato

List of Publications by Year in descending order

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29
papers

1,030
citations

643344

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620720

26
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docs citations

29
times ranked

1439
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in photoelectroreduction of CO ₂ to hydrocarbons fuels: Contributions of functional materials. <i>Journal of CO₂ Utilization</i> , 2022, 55, 101810.	3.3	15
2	Photo- and electro-oxidation of tetracycline hydrochloride on self-doped titanium dioxide nanotubes modified by Pt sub-monolayers. <i>Electrochimica Acta</i> , 2022, 404, 139712.	2.6	10
3	Recent achievements in photoelectrocatalytic degradation of pesticides. <i>Current Opinion in Electrochemistry</i> , 2022, 35, 101020.	2.5	12
4	Synthesis and electrochemical characterization of Si/TiO ₂ /Au composite anode: Efficient oxygen evolution and hydroxyl radicals generation. <i>Electrochimica Acta</i> , 2021, 370, 137742.	2.6	8
5	A novel sensing platform based on self-doped TiO ₂ nanotubes for methylene blue dye electrochemical monitoring during its electro-Fenton degradation. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 1951-1959.	1.2	8
6	Non-targeted method to detect honey adulteration: Combination of electrochemical and spectrophotometric responses with principal component analysis. <i>Journal of Food Composition and Analysis</i> , 2020, 89, 103466.	1.9	21
7	Efficient treatment of swimming pool water by photoelectrocatalytic ozonation: Inactivation of <i>Candida parapsilosis</i> and mineralization of Benzophenone-3 and urea. <i>Chemical Engineering Journal</i> , 2019, 378, 122094.	6.6	26
8	Experimental design as a tool for parameter optimization of photoelectrocatalytic degradation of a textile dye. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103264.	3.3	19
9	Electroanalytical sensing of dyes and colorants. <i>Current Opinion in Electrochemistry</i> , 2019, 16, 134-142.	2.5	31
10	Evidences of the Electrochemical Production of Sulfate Radicals at Cathodically Polarized TiO ₂ Nanotubes Electrodes. <i>Electrocatalysis</i> , 2019, 10, 272-276.	1.5	4
11	Combination of Photoelectrocatalysis and Ozonation as a Good Strategy for Organics Oxidation and Decreased Toxicity in Oil-Produced Water. <i>Journal of the Electrochemical Society</i> , 2019, 166, H3231-H3238.	1.3	23
12	Electrodeposition of WO ₃ on Ti substrate and the influence of interfacial oxide layer generated in situ: A photoelectrocatalytic degradation of propyl paraben. <i>Applied Surface Science</i> , 2019, 464, 664-672.	3.1	33
13	Electrochemical decolorization of Rhodamine B dye: Influence of anode material, chloride concentration and current density. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2041-2047.	3.3	91
14	Assessment of several advanced oxidation processes applied in the treatment of environmental concern constituents from a real hair dye wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2794-2802.	3.3	42
15	Reagentless Detection of Low-Molecular-Weight Triamterene Using Self-Doped TiO ₂ Nanotubes. <i>Analytical Chemistry</i> , 2018, 90, 7651-7658.	3.2	17
16	Self-doped TiO ₂ nanotube electrodes: A powerful tool as a sensor platform for electroanalytical applications. <i>Electrochimica Acta</i> , 2017, 235, 527-533.	2.6	44
17	Assessment of molecularly imprinted polymers (MIPs) in the preconcentration of disperse red 73 dye prior to photoelectrocatalytic treatment. <i>Environmental Science and Pollution Research</i> , 2017, 24, 4134-4143.	2.7	6
18	PANORAMA DA ELETROQUÍMICA E ELETROANALÍTICA NO BRASIL. <i>Química Nova</i> , 2017, . .	0.3	1

#	ARTICLE	IF	CITATIONS
19	Electrochemistry: A Powerful Tool for Preparation of Semiconductor Materials for Decontamination of Organic and Inorganic Pollutants, Disinfection, and CO ₂ Reduction. , 2017, , 239-269.		1
20	Efficiency comparison of ozonation, photolysis, photocatalysis and photoelectrocatalysis methods in real textile wastewater decolorization. Water Research, 2016, 98, 39-46.	5.3	185
21	Determination of Quercetin by a Siloxane-Polyester/Poly-L-Lysine Nanocomposite Modified Glassy Carbon Electrode. Analytical Letters, 2016, 49, 1398-1411.	1.0	7
22	Combination of photoelectrocatalysis and ozonation: A novel and powerful approach applied in Acid Yellow 1 mineralization. Applied Catalysis B: Environmental, 2016, 180, 161-168.	10.8	53
23	Achievements and Trends in Photoelectrocatalysis: from Environmental to Energy Applications. Electroanalysis, 2015, 6, 415-441.	1.5	201
24	Enhanced photoelectrocatalytic degradation of an acid dye with boron-doped TiO ₂ nanotube anodes. Catalysis Today, 2015, 240, 100-106.	2.2	109
25	THE CHEMISTRY AND TOXICITY OF HAIR DYES. Quimica Nova, 2014, , .	0.3	4
26	Enhanced photoabsorption properties of composites of Ti/TiO ₂ nanotubes decorated by Sb ₂ S ₃ and improvement of degradation of hair dye. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 276, 96-103.	2.0	42
27	Degradação fotoeletrolítica do herbicida bentazona sobre eletrodos de carbono modificados por TiO ₂ . Quimica Nova, 2012, 35, 332-336.	0.3	3
28	Enhancement of Photoelectrocatalysis Efficiency by Using Nanostructured Electrodes. , 0, , .		14
29	Incorporation of Fluorescent Dyes in Electrospun Chitosan/Poly(ethylene oxide). Journal of the Brazilian Chemical Society, 0, , .	0.6	0