

Sidney Aquino Neto

List of Publications by Year in descending order

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27
papers

776
citations

393982

19
h-index

552369

26
g-index

27
all docs

27
docs citations

27
times ranked

1020
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing ethanol bioanodes using a hydrophobically modified linear polyethylenimine hydrogel for immobilizing an enzyme cascade. <i>Journal of Electroanalytical Chemistry</i> , 2018, 812, 153-158.	1.9	18
2	Electroconversion of glycerol in alkaline medium: From generation of energy to formation of value-added products. <i>Journal of Power Sources</i> , 2017, 351, 174-182.	4.0	62
3	Hybrid Bioelectrocatalytic Reduction of Oxygen at Anthracene-modified Multi-walled Carbon Nanotubes Decorated with Ni ₉₀ Pd ₁₀ Nanoparticles. <i>Electrochimica Acta</i> , 2017, 251, 195-202.	2.6	4
4	A High Redox Potential Laccase from <i>Pycnoporus sanguineus</i> RP15: Potential Application for Dye Decolorization. <i>International Journal of Molecular Sciences</i> , 2016, 17, 672.	1.8	48
5	Energy generation in a Microbial Fuel Cell using anaerobic sludge from a wastewater treatment plant. <i>Scientia Agricola</i> , 2016, 73, 424-428.	0.6	29
6	Membraneless enzymatic ethanol/O ₂ fuel cell: Transitioning from an air-breathing Pt-based cathode to a bilirubin oxidase-based biocathode. <i>Journal of Power Sources</i> , 2016, 324, 208-214.	4.0	36
7	Potential application of laccase from <i>Pycnoporus sanguineus</i> in methanol/O ₂ biofuel cells. <i>Journal of Electroanalytical Chemistry</i> , 2016, 765, 2-7.	1.9	14
8	MATERIALS OF COMPOSITION Ti/PbXTi _{1-x} O ₂ FOR PHOTO-ASSISTED ELECTROCHEMICAL DEGRADATION OF ORGANIC POLLUTANTS. <i>Quimica Nova</i> , 2016, , .	0.3	0
9	Co-immobilization of gold nanoparticles with glucose oxidase to improve bioelectrocatalytic glucose oxidation. <i>Journal of Power Sources</i> , 2015, 285, 493-498.	4.0	22
10	High current density PQQ-dependent alcohol and aldehyde dehydrogenase bioanodes. <i>Biosensors and Bioelectronics</i> , 2015, 72, 247-254.	5.3	27
11	Enhanced Reduced Nicotinamide Adenine Dinucleotide electrocatalysis onto multi-walled carbon nanotubes-decorated gold nanoparticles and their use in hybrid biofuel cell. <i>Journal of Power Sources</i> , 2015, 273, 1065-1072.	4.0	20
12	Photo-assisted Electrochemical Degradation of Textile Effluent to Reduce Organic Halide (AOX) Production. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	11
13	Biocathodes for Enzymatic Biofuel Cells Using Laccase and Different Redox Mediators Entrapped in Polypyrrole Matrix. <i>Journal of the Electrochemical Society</i> , 2014, 161, F445-F450.	1.3	12
14	Ferrocene Entrapped In Polypyrrole Film and PAMAM Dendrimers as Matrix for Mediated Glucose/O ₂ Biofuel Cell. <i>Electrochimica Acta</i> , 2014, 136, 52-58.	2.6	25
15	Multiwalled carbon nanotubes to improve ethanol/air biofuel cells. <i>Electrochimica Acta</i> , 2013, 106, 109-113.	2.6	24
16	Electrochemical characterization of methanol/O ₂ biofuel cell: Use of laccase biocathode immobilized with polypyrrole film and PAMAM dendrimers. <i>Electrochimica Acta</i> , 2013, 90, 90-94.	2.6	19
17	Direct electron transfer-based bioanodes for ethanol biofuel cells using PQQ-dependent alcohol and aldehyde dehydrogenases. <i>Electrochimica Acta</i> , 2013, 87, 323-329.	2.6	46
18	New Energy Sources: The Enzymatic Biofuel Cell. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	18

#	ARTICLE	IF	CITATIONS
19	Electrochemical Degradation of Diuron in Chloride Medium using DSA [®] Based Anodes. Journal of the Brazilian Chemical Society, 2013, , .	0.6	2
20	The Use of PAMAM Dendrimers as a Platform for Laccase Immobilization: Kinetic Characterization of the Enzyme. Applied Biochemistry and Biotechnology, 2012, 167, 1854-1864.	1.4	19
21	Electrochemical degradation of reactive dyes at different DSA [®] compositions. Journal of the Brazilian Chemical Society, 2011, 22, 126-133.	0.6	26
22	The kinetic behavior of dehydrogenase enzymes in solution and immobilized onto nanostructured carbon platforms. Process Biochemistry, 2011, 46, 2347-2352.	1.8	26
23	Development of nanostructured bioanodes containing dendrimers and dehydrogenases enzymes for application in ethanol biofuel cells. Biosensors and Bioelectronics, 2011, 26, 2922-2926.	5.3	34
24	Development of novel bioanodes for ethanol biofuel cell using PAMAM dendrimers as matrix for enzyme immobilization. Biosensors and Bioelectronics, 2011, 26, 2675-2679.	5.3	29
25	An Overview of Enzymatic Biofuel Cells. Electrocatalysis, 2010, 1, 87-94.	1.5	51
26	Electrochemical degradation of glyphosate formulations at DSA [®] anodes in chloride medium: an AOX formation study. Journal of Applied Electrochemistry, 2009, 39, 1863-1870.	1.5	37
27	Electrooxidation of glyphosate herbicide at different DSA [®] compositions: pH, concentration and supporting electrolyte effect. Electrochimica Acta, 2009, 54, 2039-2045.	2.6	117