Rafael Machado Dornellas

List of Publications by Year
in descending order

27 papers	357 citations	687220 13 h-index	794469 19 g-index
27 all docs	27 docs citations	27 times ranked	471 citing authors

#	Article	IF	Citations
1	Sensing Materials: Electrochemical Sensors Enabled by 3D Printing. , 2023, , 73-88.		2
2	Cellulose Acetate/ABS Blends as Insulating Phases for 3D Printing of Carbon-Based Composite Sensors. Smart Innovation, Systems and Technologies, 2022, , 249-258.	0.5	1
3	Determination of Saccharin through a Carbon Paste Sensor Modified by Electrodeposition of Silver Film. Journal of the Electrochemical Society, 2022, 169, 037525.	1.3	0
4	Novel Electrochemical Determination of Atorvastatin by Monitoring the Suppression of a Lead Probe. Analytical Letters, 2021, 54, 541-557.	1.0	2
5	Synthesis and application of molecularly imprinted polymers for the extraction of caffeine from food and beverage samples / SÃntese e aplicaÃ§Ã£o de polÃmeros com impressÃ£o molecular para a extracÃ§Ã£o de cafeÃna de amostras de alimentos e bebidas. Brazilian Journal of Development, 2021, 7, 35507-35527.	0.0	0
6	In situ electrochemical exfoliation of embedded graphite to superficial graphene sheets for electroanalytical purposes. Electrochimica Acta, 2020, 354, 136762.	2.6	9
7	An improved drop casting electrochemical strategy for furosemide quantification in natural waters exploiting chemically reduced graphene oxide on glassy carbon electrodes. Analytical and Bioanalytical Chemistry, 2020, 412, 7123-7130.	1.9	7
8	Development and application of electrochemical sensor of boron-doped diamond (BDD) modified by drop casting with tin hexacyanoferrate. Journal of Solid State Electrochemistry, 2020, 24, 1769-1779.	1.2	6
9	Evaluation of 3D Printing Parameters on the Electrochemical Performance of Conductive Polymeric Components for Chemical Warfare Agent Sensing. Smart Innovation, Systems and Technologies, 2020, , 425-435.	0.5	5
10	Simultaneous determination of strobilurin fungicides residues in bean samples by HPLC-UV-AD using boron-doped diamond electrode. Talanta, 2020, 216, 120957.	2.9	9
11	Chemically versus electrochemically reduced graphene oxide: Improved amperometric and voltammetric sensors of phenolic compounds on higher roughness surfaces. Sensors and Actuators B: Chemical, 2018, 254, 701-708.	4.0	55
12	Highly sensitive amperometric detection of drugs and antioxidants on non-functionalized multi-walled carbon nanotubes: Effect of metallic impurities?. Electrochimica Acta, 2017, 240, 80-89.	2.6	26
13	Portable electrochemical system using screen-printed electrodes for monitoring corrosion inhibitors. Talanta, 2017, 174, 420-427.	2.9	14
14	Electrochemically Reduced Graphene Oxide for Forensic Electrochemistry: Detection of Cocaine and its Adulterants Paracetamol, Caffeine and Levamisole. Electroanalysis, 2017, 29, 2418-2422.	1.5	24
15	Batch-Injection Amperometric Determination of Pyrogallol in Biodiesel Using a Multi-Walled Carbon Nanotube Modified Electrode. Journal of the Brazilian Chemical Society, 2016, , .	0.6	0
16	Electrooxidation of trifloxystrobin at the boron-doped diamond electrode: electrochemical mechanism, quantitative determination and degradation studies. International Journal of Environmental Analytical Chemistry, 2016, 96, 959-977.	1.8	5
17	Amperometric determination of the insecticide fipronil using batch injection analysis: comparison between unmodified and carbon-nanotube-modified electrodes. Journal of Solid State Electrochemistry, 2016, 20, 2453-2459.	1.2	21
18	Multi-walled carbon nanotubes: Size-dependent electrochemistry of phenolic compounds. Electrochimica Acta, 2015, 176, 36-43.	2.6	47

#	Article	IF	Citations
19	Electrochemical determination of picoxystrobin on boron-doped diamond electrode: Square-wave voltammetry versus BIA-multiple pulse amperometry. Microchemical Journal, 2015, 123, 1-8.	2.3	21
20	Tetrahydrocurcuminoids as potential antioxidants for biodiesels. Fuel, 2015, 160, 490-494.	3.4	16
21	Electroanalytical-based Approaches for the Determination of Pesticides from the Strobilurin Class. Revista Virtual De Quimica, 2015, 7, .	0.1	0
22	Electrochemical Oxidation of the Fungicide Dimoxystrobin and Its Amperometric Determination by Batch-Injection Analysis. Analytical Letters, 2014, 47, 492-503.	1.0	14
23	A simple electroanalytical procedure for the determination of calcium in biodiesel. Fuel, 2014, 115, 658-665.	3.4	24
24	The boron-doped diamond electrode voltammetric method for ultra-trace determination of the fungicide pyraclostrobin and evaluation of its photodegradation and thermal degradation. Analytical Methods, 2014, 6, 944.	1.3	13
25	Determination of the fungicide kresoxim-methyl in grape juices using square-wave voltammetry and a boron-doped diamond electrode. Journal of Electroanalytical Chemistry, 2013, 708, 46-53.	1.9	21
26	Determination of the fungicide picoxystrobin using anodic stripping voltammetry on a metal film modified glassy carbon electrode. Electrochimica Acta, 2013, 97, 202-209.	2.6	13
27	Chemically Reduced Graphene Oxide on Gold Electrodes from Recordable CDs: Characterization and Potential Sensing Applications. Journal of the Brazilian Chemical Society, 0, , .	0.6	2