

Rafael Machado Dornellas

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

357
citations

687220

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794469

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all docs

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docs citations

27
times ranked

471
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemically versus electrochemically reduced graphene oxide: Improved amperometric and voltammetric sensors of phenolic compounds on higher roughness surfaces. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 701-708.	4.0	55
2	Multi-walled carbon nanotubes: Size-dependent electrochemistry of phenolic compounds. <i>Electrochimica Acta</i> , 2015, 176, 36-43.	2.6	47
3	Highly sensitive amperometric detection of drugs and antioxidants on non-functionalized multi-walled carbon nanotubes: Effect of metallic impurities?. <i>Electrochimica Acta</i> , 2017, 240, 80-89.	2.6	26
4	A simple electroanalytical procedure for the determination of calcium in biodiesel. <i>Fuel</i> , 2014, 115, 658-665.	3.4	24
5	Electrochemically Reduced Graphene Oxide for Forensic Electrochemistry: Detection of Cocaine and its Adulterants Paracetamol, Caffeine and Levamisole. <i>Electroanalysis</i> , 2017, 29, 2418-2422.	1.5	24
6	Determination of the fungicide kresoxim-methyl in grape juices using square-wave voltammetry and a boron-doped diamond electrode. <i>Journal of Electroanalytical Chemistry</i> , 2013, 708, 46-53.	1.9	21
7	Electrochemical determination of picoxystrobin on boron-doped diamond electrode: Square-wave voltammetry versus BIA-multiple pulse amperometry. <i>Microchemical Journal</i> , 2015, 123, 1-8.	2.3	21
8	Amperometric determination of the insecticide fipronil using batch injection analysis: comparison between unmodified and carbon-nanotube-modified electrodes. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2453-2459.	1.2	21
9	Tetrahydrocurcuminoids as potential antioxidants for biodiesels. <i>Fuel</i> , 2015, 160, 490-494.	3.4	16
10	Electrochemical Oxidation of the Fungicide Dimoxystrobin and Its Amperometric Determination by Batch-Injection Analysis. <i>Analytical Letters</i> , 2014, 47, 492-503.	1.0	14
11	Portable electrochemical system using screen-printed electrodes for monitoring corrosion inhibitors. <i>Talanta</i> , 2017, 174, 420-427.	2.9	14
12	Determination of the fungicide picoxystrobin using anodic stripping voltammetry on a metal film modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2013, 97, 202-209.	2.6	13
13	The boron-doped diamond electrode voltammetric method for ultra-trace determination of the fungicide pyraclostrobin and evaluation of its photodegradation and thermal degradation. <i>Analytical Methods</i> , 2014, 6, 944.	1.3	13
14	In situ electrochemical exfoliation of embedded graphite to superficial graphene sheets for electroanalytical purposes. <i>Electrochimica Acta</i> , 2020, 354, 136762.	2.6	9
15	Simultaneous determination of strobilurin fungicides residues in bean samples by HPLC-UV-AD using boron-doped diamond electrode. <i>Talanta</i> , 2020, 216, 120957.	2.9	9
16	An improved drop casting electrochemical strategy for furosemide quantification in natural waters exploiting chemically reduced graphene oxide on glassy carbon electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7123-7130.	1.9	7
17	Development and application of electrochemical sensor of boron-doped diamond (BDD) modified by drop casting with tin hexacyanoferrate. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 1769-1779.	1.2	6
18	Electrooxidation of trifloxystrobin at the boron-doped diamond electrode: electrochemical mechanism, quantitative determination and degradation studies. <i>International Journal of Environmental Analytical Chemistry</i> , 2016, 96, 959-977.	1.8	5

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19	Evaluation of 3D Printing Parameters on the Electrochemical Performance of Conductive Polymeric Components for Chemical Warfare Agent Sensing. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 425-435.	0.5	5
20	Novel Electrochemical Determination of Atorvastatin by Monitoring the Suppression of a Lead Probe. <i>Analytical Letters</i> , 2021, 54, 541-557.	1.0	2
21	Chemically Reduced Graphene Oxide on Gold Electrodes from Recordable CDs: Characterization and Potential Sensing Applications. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	2
22	Sensing Materials: Electrochemical Sensors Enabled by 3D Printing. , 2023, , 73-88.		2
23	Cellulose Acetate/ABS Blends as Insulating Phases for 3D Printing of Carbon-Based Composite Sensors. <i>Smart Innovation, Systems and Technologies</i> , 2022, , 249-258.	0.5	1
24	Batch-Injection Amperometric Determination of Pyrogallol in Biodiesel Using a Multi-Walled Carbon Nanotube Modified Electrode. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	0
25	Synthesis and application of molecularly imprinted polymers for the extraction of caffeine from food and beverage samples / Síntese e aplicação de polímeros com impressão molecular para a extração de cafeína de amostras de alimentos e bebidas. <i>Brazilian Journal of Development</i> , 2021, 7, 35507-35527.	0.0	0
26	Electroanalytical-based Approaches for the Determination of Pesticides from the Strobilurin Class. <i>Revista Virtual De Química</i> , 2015, 7, .	0.1	0
27	Determination of Saccharin through a Carbon Paste Sensor Modified by Electrodeposition of Silver Film. <i>Journal of the Electrochemical Society</i> , 2022, 169, 037525.	1.3	0