Rodrigo A B Da Silva

List of Publications by Year in Descending Order

34 papers	700 citations	13 h-index	26 g-index
35 ext. papers	825 ext. citations	4.2 avg, IF	4.15 L-index

#	Paper	IF	Citations
34	A versatile user-friendly electrochemical cell with three 3D-pen-printed electrodes in a tiny micropipette tip. *Sensors and Actuators B: Chemical*, **2022**, 360, 131650	8.5	1
33	A novel 3D-printed batch injection analysis (BIA) cell coupled to paper-based electrochemical devices: a cheap and reliable analytical system for fast on-site analysis. *Microchemical Journal*, **2022**, 107663	4.8	0
32	Fast on-site screening of 3,4-methylenedioxyethylamphetamine (MDEA) in forensic samples using carbon screen-printed electrode and square wave voltammetry. *Electrochimica Acta*, **2021**, 139599	6.7	2
31	Development of highly sensitive electrochemical sensor using new graphite/acrylonitrile butadiene styrene conductive composite and 3D printing-based alternative fabrication protocol. *Analytica Chimica Acta*, **2021**, 1167, 338566	6.6	5
30	Multi sensor compatible 3D-printed electrochemical cell for voltammetric drug screening. *Analytica Chimica Acta*, **2021**, 1169, 338568	6.6	8
29	Voltammetric sensing of glyphosate in different samples using carbon paste electrode modified with biochar and copper(II) hexadecafluoro-29H,31 phtalocyanine complex. *Journal of Applied Electrochemistry*, **2021**, 51, 761-768	2.6	2
28	3D Pen: A low-cost and portable tool for manufacture of 3D-printed sensors. *Sensors and Actuators B: Chemical*, **2020**, 321, 128528	8.5	22
27	Electrochemical detection of the synthetic cathinone 3,4-methylenedioxypyrovalerone using carbon screen-printed electrodes: A fast, simple and sensitive screening method for forensic samples. *Electrochimica Acta*, **2020**, 354, 136728	6.7	13
26	Fast Screening and Determination of Tadalafil in Pharmaceutics by Batch Injection Analysis (BIA) with Amperometric Detection. *Electroanalysis*, **2020**, 32, 2253-2259	3	5
25	A new electrochemical sensor based on eco-friendly chemistry for the simultaneous determination of toxic trace elements. *Microchemical Journal*, **2020**, 158, 105292	4.8	3
24	3D-printing pen versus desktop 3D-printers: Fabrication of carbon black/polylactic acid electrodes for single-drop detection of 2,4,6-trinitrotoluene. *Analytica Chimica Acta*, **2020**, 1132, 10-19	6.6	21
23	Cloud-point extraction associated with voltammetry: preconcentration and elimination of the sample matrix for trace determination of methyl parathion in honey. *Analytical Methods*, **2020**, 12, 5801-5814	3.2	1
22	3D-printed flexible device combining sampling and detection of explosives. *Sensors and Actuators B: Chemical*, **2019**, 292, 308-313	8.5	54
21	Selective Determination of Verapamil in Pharmaceutics and Urine Using a Boron-doped Diamond Electrode Coupled to Flow Injection Analysis with Multiple-pulse Amperometric Detection. *Electroanalysis*, **2018**, 30, 1880-1885	3	11
20	Biochar: A Low-cost Electrode Modifier for Electrocatalytic, Sensitive and Selective Detection of Similar Organic Compounds. *Electroanalysis*, **2018**, 30, 2233-2236	3	16
19	3D printing for electroanalysis: From multiuse electrochemical cells to sensors. *Analytica Chimica Acta*, **2018**, 1033, 49-57	6.6	125
18	Fast and Selective Simultaneous Determination of Acetaminophen, Aspirin and Caffeine in Pharmaceutical Products by Batch Injection Analysis with Multiple Pulse Amperometric Detection. *Electroanalysis*, **2018**, 30, 296-303	3	10

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17	Determination of Colchicine in Pharmaceutical Formulations and Urine by Multiple-Pulse Amperometric Detection in an FIA System Using Boron-Doped Diamond Electrode. *Journal of the Brazilian Chemical Society*, **2018**,	1.5	2
16	Modified-screen printed electrode in flow system for measuring the electroactivity of nanoparticles towards alcohol electrooxidation. *Journal of Electroanalytical Chemistry*, **2017**, 789, 38-43	4.1	9
15	Batch Injection Analysis-Multiple Pulse Amperometric Fingerprint: A Simple Approach for Fast On-site Screening of Drugs. *Electroanalysis*, **2017**, 29, 2847-2854	3	7
14	Liquid-liquid Extraction Coupled to Batch Injection Analysis for Electroanalysis of Levofloxacin at Low Concentration Level. *Electroanalysis*, **2017**, 29, 2559-2564	3	8
13	Simple and Fast Determination of Warfarin in Pharmaceutical Samples Using Boron-doped Diamond Electrode in BIA and FIA Systems with Multiple Pulse Amperometric Detection. *Electroanalysis*, **2017**, 29, 2340-2347	3	15
12	On-Site Determination of Carbendazim, Cathecol and Hydroquinone in Tap Water Using a Homemade Batch Injection Analysis Cell for Screen Printed Electrodes. *Electroanalysis*, **2015**, 27, 271-275	3	17
11	Combination of screen-printed electrodes and batch injection analysis: A simple, robust, high-throughput, and portable electrochemical system. *Sensors and Actuators B: Chemical*, **2014**, 202, 93-98	8.5	60
10	Graphite-Composite Electrodes Bulk-Modified with (BiO)2CO3 and Bi2O3 Plates-Like Nanostructures for Trace Metal Determination by Anodic Stripping Voltammetry. *Electroanalysis*, **2013**, 25, 765-770	3	22
9	A Simple Strategy to Improve the Accuracy of the Injection Step in Batch Injection Analysis Systems with Amperometric Detection. *Electroanalysis*, **2012**, 24, 1805-1810	3	25
8	Rapid and selective determination of hydrogen peroxide residues in milk by batch injection analysis with amperometric detection. *Food Chemistry*, **2012**, 133, 200-204	8.5	109
7	Development of a Simple and Fast Electrochemical Method to Evaluate Physical Stress in Athletes. *Electroanalysis*, **2011**, 23, 2601-2606	3	8
6	A Simple Strategy for Simultaneous Determination of Paracetamol and Caffeine Using Flow Injection Analysis with Multiple Pulse Amperometric Detection. *Electroanalysis*, **2011**, 23, 2764-2770	3	40
5	Batch injection analysis with amperometric detection: application for simultaneous analysis using a single working electrode. *Analytical Methods*, **2011**, 3, 2804	3.2	46
4	Determinação de peróxido de hidrogênio em antisséptico bucal usando um microdispositivo contendo partículas de Azul da Prússia. *Quimica Nova*, **2011**, 34, 987-991	1.6	3
3	Three-Electrode-Integrated Sensor into a Micropipette Tip. *Electroanalysis*, **2010**, 22, 2167-2171	3	11
2	Desenvolvimento, caracterização e aplicação eletroanalítica de um compósito fluido de adesivo epóxi, grafite e ciclo-hexanona. *Quimica Nova*, **2010**, 33, 1398-1402	1.6	5
1	Three electrode electrochemical microfluidic cell: construction and characterization. *Journal of the Brazilian Chemical Society*, **2009**, 20, 1235-1241	1.5	13