Elen RomÃ£o Sartori

List of Publications by Year
in descending order

63 papers	1,434 citations	236833 25 h-index	345118 36 g-index
64 all docs	64 docs citations	64 times ranked	1309 citing authors

#	Article	IF	Citations
1	Square-wave voltammetric determination of propranolol and atenolol in pharmaceuticals using a boron-doped diamond electrode. Talanta, 2010, 81, 1418-1424.	2.9	107
2	Square-wave voltammetric determination of acetylsalicylic acid in pharmaceutical formulations using a boron-doped diamond electrode without the need of previous alkaline hydrolysis step. Journal of the Brazilian Chemical Society, 2009, 20, 360-366.	0.6	63
3	Evaluation of boron-doped diamond electrode for simultaneous voltammetric determination of hydrochlorothiazide and losartan in pharmaceutical formulations. Sensors and Actuators B: Chemical, 2013, 188, 263-270.	4.0	62
4	Simultaneous Squareâ€Wave Voltammetric Determination of Paracetamol, Caffeine and Orphenadrine in Pharmaceutical Formulations Using a Cathodically Pretreated Boronâ€Doped Diamond Electrode. Electroanalysis, 2013, 25, 1734-1741.	1.5	59
5	Indirect determination of sulfite using a polyphenol oxidase biosensor based on a glassy carbon electrode modified with multi-walled carbon nanotubes and gold nanoparticles within a poly(allylamine hydrochloride) film. Talanta, 2011, 87, 235-242.	2.9	48
6	An improved method for simultaneous square-wave voltammetric determination of amlodipine and enalapril at multi-walled carbon nanotubes paste electrode based on effect of cationic surfactant. Sensors and Actuators B: Chemical, 2014, 205, 234-243.	4.0	47
7	Exploring the exocellular fungal biopolymer botryosphaeran for laccase-biosensor architecture and application to determine dopamine and spironolactone. Talanta, 2019, 204, 475-483.	2.9	45
8	Differential Pulse Voltammetric Determination of Sildenafil Citrate (ViagraÂ®) in Pharmaceutical Formulations Using a Boron-Doped Diamond Electrode. Analytical Letters, 2010, 43, 1046-1054.	1.0	44
9	Differential pulse voltammetric method for the individual and simultaneous determination of antihypertensive drug metoprolol and its association with hydrochlorothiazide in pharmaceutical dosage forms. Sensors and Actuators B: Chemical, 2016, 230, 630-638.	4.0	44
10	Sensitive square-wave voltammetric determination of tadalafil (CialisÂ®) in pharmaceutical samples using a cathodically pretreated boron-doped diamond electrode. Diamond and Related Materials, 2017, 77, 153-158.	1.8	43
11	Electroanalytical application of a boron-doped diamond electrode: Improving the simultaneous voltammetric determination of amlodipine and valsartan in urine and combined dosage forms. Journal of Electroanalytical Chemistry, 2015, 738, 188-194.	1.9	42
12	Electrochemical study for the simultaneous determination of phenolic compounds and emerging pollutant using an electroanalytical sensing system based on carbon nanotubes/surfactant and multivariate approach in the optimization. Microchemical Journal, 2016, 124, 65-75.	2.3	41
13	Advanced sensing performance towards simultaneous determination of quaternary mixture of antihypertensives using boron-doped diamond electrode. Microchemical Journal, 2017, 134, 173-180.	2.3	41
14	Synthesis of CdO nanoparticles using direct chemical precipitation method: Fabrication of novel voltammetric sensor for square wave voltammetry determination of chlorpromazine in pharmaceutical samples. Inorganic and Nano-Metal Chemistry, 2017, 47, 347-353.	0.9	39
15	Highly improved simultaneous herbicides determination in water samples by differential pulse voltammetry using boron-doped diamond electrode and solid phase extraction on cross-linked poly(vinylimidazole). Sensors and Actuators B: Chemical, 2018, 255, 166-175.	4.0	39
16	Square-wave voltammetric determination of bezafibrate in pharmaceutical formulations using a cathodically pretreated boron-doped diamond electrode. Talanta, 2013, 103, 201-206.	2.9	35
17	Electrochemical evaluation of a boron-doped diamond electrode for simultaneous determination of an antihypertensive ternary mixture of amlodipine, hydrochlorothiazide and valsartan in pharmaceuticals. Analytical Methods, 2015, 7, 1053-1060.	1.3	35
18	Simultaneous determination of hydrochlorothiazide and valsartan in combined dosage forms: Electroanalytical performance of cathodically pretreated boron-doped diamond electrode. Journal of Electroanalytical Chemistry, 2014, 732, 46-52.	1.9	31

#	Article	IF	Citations
19	Assessment of the use of boron-doped diamond electrode for highly sensitive voltammetric determination of the azo-dye carmoisine Eâ”122 in food and environmental matrices. Talanta, 2020, 220, 121417.	2.9	30
20	Chemometric-assisted construction of a biosensing device to measure chlorogenic acid content in brewed coffee beverages to discriminate quality. Food Chemistry, 2020, 315, 126306.	4.2	30
21	Exploiting the high oxidation potential of carisoprodol on a boron-doped diamond electrode: an improved method for its simultaneous determination with acetaminophen and caffeine. Analyst, The, 2017, 142, 3514-3521.	1.7	28
22	Laccase stabilized on Î²-D-glucan films on the surface of carbon black/gold nanoparticles: A new platform for electrochemical biosensing. Bioelectrochemistry, 2019, 129, 116-123.	2.4	28
23	A highly improved method for sensitive determination of amitriptyline in pharmaceutical formulations using an unmodified carbon nanotube electrode in the presence of sulfuric acid. Talanta, 2014, 127, 26-32.	2.9	26
24	Electroanalytical determination of the linuron herbicide using a cathodically pretreated boron-doped diamond electrode: comparison with a boron-doped diamond electrode modified with platinum nanoparticles. Analytical Methods, 2015, 7, 643-649.	1.3	26
25	Layering of a film of carboxymethyl-botryosphaeran onto carbon black as a novel sensitive electrochemical platform on glassy carbon electrodes for the improvement in the simultaneous determination of phenolic compounds. Sensors and Actuators B: Chemical, 2019, 287, 18-26.	4.0	26
26	Glassy Carbon Electrode Modified with Functionalized Carbon Nanotubes Within a Poly(allylamine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2526-2533.	1.5	25
27	Simultaneous Voltammetric Determination of Ascorbic Acid and Sulfite in Beverages Employing a Glassy Carbon Electrode Modified with Carbon Nanotubes within a Poly(Allylamine Hydrochloride) Film. Electroanalysis, 2012, 24, 627-634.	1.5	25
28	Simple and rapid determination of loratadine in pharmaceuticals using square-wave voltammetry and a cathodically pretreated boron-doped diamond electrode. Analytical Methods, 2015, 7, 8697-8703.	1.3	25
29	Platinum nanoparticle decorated vertically aligned graphene screen-printed electrodes: electrochemical characterisation and exploration towards the hydrogen evolution reaction. Nanoscale, 2020, 12, 18214-18224.	2.8	23
30	Simultaneous determination of nifedipine and atenolol in combined dosage forms using a boron-doped diamond electrode with differential pulse voltammetry. Canadian Journal of Chemistry, 2018, 96, 1-7.	0.6	19
31	The Performance of Boronâ€Doped Diamond Electrode for the Determination of Ramipril and its Association with Hydrochlorothiazide. Electroanalysis, 2017, 29, 1180-1187.	1.5	18
32	Fast and sensitive simultaneous determination of antihypertensive drugs amlodipine besylate and ramipril using an electrochemical method: application to pharmaceuticals and blood serum samples. Analytical Methods, 2019, 11, 4006-4013.	1.3	17
33	The Catalytic Cycle of Oxidation of Iodide Ion in the Oxygen/Nitrous Acid/Nitric Oxide System and Its Potential for Analytical Applications. Analytical Letters, 2006, 39, 2763-2774.	1.0	15
34	Boron-doped diamond electrode: a modification-free platform for sensitive square-wave voltammetric determination of indapamide hydrochloride. Analytical Methods, 2018, 10, 3347-3352.	1.3	15
35	Laccase from Botryosphaeria rhodina MAMB-05 as a biological component in electrochemical biosensing devices. Analytical Methods, 2019, 11, 717-720.	1.3	15
36	In-house validation of a totally aqueous voltammetric method for determination of diltiazem hydrochloride. Journal of Electroanalytical Chemistry, 2019, 837, 159-166.	1.9	14

#	Article	IF	Citations
37	Covalent attachment of laccase to carboxymethyl-botryosphaeran in aqueous solution for the construction of a voltammetric biosensor to quantify quercetin. Bioelectrochemistry, 2020, 135, 107543.	2.4	14
38	Electrochemical evaluation and simultaneous determination of binary mixture of antihypertensives hydrochlorothiazide and enalapril in combined dosage forms using carbon nanotubes paste electrode. Ionics, 2015, 21, 1615-1622.	1.2	12
39	Electrochemical evaluation and voltammetric determination of laxative drug bisacodyl on boron-doped diamond electrode. Measurement: Journal of the International Measurement Confederation, 2019, 137, 464-469.	2.5	12
40	Feasibility of the use of boron-doped diamond electrode coupled to electroanalytical techniques for the individual determination of pravastatin and its association with acetylsalicylic acid. Journal of Electroanalytical Chemistry, 2020, 862, 113987.	1.9	11
41	Carboxymethyl-botryosphaeran stabilized carbon nanotubes aqueous dispersion: A new platform design for electrochemical sensing of desloratadine. Talanta, 2020, 210, 120642.	2.9	9
42	Conductometric determination of propranolol hydrochloride in pharmaceuticals. Ecletica Quimica, 2011, 36, 110-122.	0.2	8
43	A novel sensing platform based on self-doped TiO2 nanotubes for methylene blue dye electrochemical monitoring during its electro-Fenton degradation. Journal of Solid State Electrochemistry, 2020, 24, 1951-1959.	1.2	8
44	A differential pulse voltammetric method for submicromolar determination of antihistamine drug desloratadine using an unmodified boron-doped diamond electrode. Analytical Methods, 2020, 12, 1115-1121.	1.3	8
45	Glassy Carbon Electrode Modified with Layering of Carbon Black/Poly(Allylamine Hydrochloride) Composite for Multianalyte Determination. Electroanalysis, 2021, 33, 526-536.	1.5	8
46	DeterminaÃ§Ã£o condutomÃ©trica de cloridrato de metformina em formulaÃ§Ãµes farmacÃªuticas empregando nitrato de prata como titulante. Quimica Nova, 2009, 32, 1947-1950.	0.3	7
47	A photoelectrochemical enzyme biosensor based on functionalized hematite microcubes for rutin determination by square-wave voltammetry. Mikrochimica Acta, 2021, 188, 28.	2.5	7
48	Ecometabolic mixture design-fingerprints from exploratory multi-block data analysis in Coffea arabica beans from climate changes: Elevated carbon dioxide and reduced soil water availability. Food Chemistry, 2021, 362, 129716.	4.2	7
49	Evaluation of a Multi-Walled Carbon Nanotube-Hemin Composite for the Voltammetric Determination of Hydrogen Peroxide in Dental Products. Analytical Letters, 2014, 47, 750-762.	1.0	6
50	Electrochemical study of the antiplatelet agent ticlopidine and its voltammetric determination in pharmaceutical and urine samples using a boron-doped diamond electrode. Analytical Methods, 2015, 7, 3750-3756.	1.3	6
51	Versatility of a carbon paste electrode coupled to differential pulse voltammetry for determination of lisinopril with its associations (hydrochlorothiazide and amlodipine). Analytical Methods, 2017, 9, 4599-4608.	1.3	6
52	A Novel Strategy for Quantifying Clopidogrel Using Squareâ€wave Voltammetry and a Boronâ€doped Diamond Film. Electroanalysis, 2020, 32, 191-197.	1.5	6
53	Boron-doped diamond film and multiple linear regression-based calibration applied to the simultaneous electrochemical determination of paracetamol, phenylephrine hydrochloride, and loratadine in fixed-dose combinations. Microchemical Journal, 2021, 162, 105831.	2.3	6
54	Conductometric Determination of Fluoxetine Hydrochloride in Pharmaceutical Formulations. Analytical Letters, 2009, 42, 659-667.	1.0	5

#	Article	IF	Citations
55	Removal of copper(II) from sugar-cane spirits employing chitosan. Quimica Nova, 2010, 33, 458-460.	0.3	4
56	Fast surface water quality analysis based on an ultra-sensitive determination of the antidepressant drug duloxetine hydrochloride on a diamond electrode by voltammetry. International Journal of Environmental Analytical Chemistry, 2020, , 1-15.	1.8	3
57	Application of botryosphaeran as a carbon black adherent on a glassy carbon electrode for the electrochemical determination of cyclobenzaprine. Electrochimica Acta, 2021, 379, 138176.	2.6	3
58	Serological diagnosis of strongyloidiasis in immunocompetent and immunosuppressed patients based on an electrochemical immunoassay using a flexible device allied to PLS-DA and ROC statistical tools. Sensors and Actuators B: Chemical, 2022, 354, 131213.	4.0	2
59	Electrochemical Characterization of the Laccase-Catalyzed Oxidation of 2,6-Dimethoxyphenol: an Insight into the Direct Electron Transfer by Enzyme and Enzyme-Mediator System. Applied Biochemistry and Biotechnology, 2022, , 1.	1.4	2
60	The use of carbon nanotubes material in sensing applications for H1-antihistamine drugs. , 2022, , 335-346.		2
61	Assessment of the performance of triphenylphosphine for the voltammetric determination of elemental sulphur in cosmetic products. Analyst, The, 2018, 143, 3600-3606.	1.7	1
62	Development of HPLC Method for Quantification of Orphenadrine, Paracetamol, and Caffeine in Pharmaceutical Formulations. Revista Virtual De Quimica, 2015, 7, 2066-2079.	0.1	1
63	An Easy Process to Prepare a Copper(I)/Copper Sulfide Electrode and Its Behavior in Alkalimetric Titrations. Analytical Letters, 2006, 39, 927-935.	1.0	0