

Elen RomÃ£o Sartori

List of Publications by Year in descending order

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63
papers

1,434
citations

236833

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345118

36
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64
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docs citations

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times ranked

1309
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Sensors and Actuators B: Chemical</i> , 2022, 354, 131213.	4.0	2
2	Electrochemical Characterization of the Laccase-Catalyzed Oxidation of 2,6-Dimethoxyphenol: an Insight into the Direct Electron Transfer by Enzyme and Enzyme-Mediator System. <i>Applied Biochemistry and Biotechnology</i> , 2022, , 1.	1.4	2
3	The use of carbon nanotubes material in sensing applications for H1-antihistamine drugs. , 2022, , 335-346.		2
4	A photoelectrochemical enzyme biosensor based on functionalized hematite microcubes for rutin determination by square-wave voltammetry. <i>Mikrochimica Acta</i> , 2021, 188, 28.	2.5	7
5	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. <i>Microchemical Journal</i> , 2021, 162, 105831.	2.3	6
6	Application of botryosphaeran as a carbon black adherent on a glassy carbon electrode for the electrochemical determination of cyclobenzaprine. <i>Electrochimica Acta</i> , 2021, 379, 138176.	2.6	3
7	Ecometabolic mixture design-fingerprints from exploratory multi-block data analysis in <i>Coffea arabica</i> beans from climate changes: Elevated carbon dioxide and reduced soil water availability. <i>Food Chemistry</i> , 2021, 362, 129716.	4.2	7
8	Glassy Carbon Electrode Modified with Layering of Carbon Black/Poly(Allylamine Hydrochloride) Composite for Multianalyte Determination. <i>Electroanalysis</i> , 2021, 33, 526-536.	1.5	8
9	A Novel Strategy for Quantifying Clopidogrel Using Square-wave Voltammetry and a Boron-doped Diamond Film. <i>Electroanalysis</i> , 2020, 32, 191-197.	1.5	6
10	Carboxymethyl-botryosphaeran stabilized carbon nanotubes aqueous dispersion: A new platform design for electrochemical sensing of desloratadine. <i>Talanta</i> , 2020, 210, 120642.	2.9	9
11	Assessment of the use of boron-doped diamond electrode for highly sensitive voltammetric determination of the azo-dye carmoisine E ²⁺ 122 in food and environmental matrices. <i>Talanta</i> , 2020, 220, 121417.	2.9	30
12	Fast surface water quality analysis based on an ultra-sensitive determination of the antidepressant drug duloxetine hydrochloride on a diamond electrode by voltammetry. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, , 1-15.	1.8	3
13	Platinum nanoparticle decorated vertically aligned graphene screen-printed electrodes: electrochemical characterisation and exploration towards the hydrogen evolution reaction. <i>Nanoscale</i> , 2020, 12, 18214-18224.	2.8	23
14	Chemometric-assisted construction of a biosensing device to measure chlorogenic acid content in brewed coffee beverages to discriminate quality. <i>Food Chemistry</i> , 2020, 315, 126306.	4.2	30
15	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. <i>Journal of Electroanalytical Chemistry</i> , 2020, 862, 113987.	1.9	11
16	A novel sensing platform based on self-doped TiO ₂ nanotubes for methylene blue dye electrochemical monitoring during its electro-Fenton degradation. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 1951-1959.	1.2	8
17	A differential pulse voltammetric method for submicromolar determination of antihistamine drug desloratadine using an unmodified boron-doped diamond electrode. <i>Analytical Methods</i> , 2020, 12, 1115-1121.	1.3	8
18	Covalent attachment of laccase to carboxymethyl-botryosphaeran in aqueous solution for the construction of a voltammetric biosensor to quantify quercetin. <i>Bioelectrochemistry</i> , 2020, 135, 107543.	2.4	14

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19	Fast and sensitive simultaneous determination of antihypertensive drugs amlodipine besylate and ramipril using an electrochemical method: application to pharmaceuticals and blood serum samples. <i>Analytical Methods</i> , 2019, 11, 4006-4013.	1.3	17
20	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. <i>Sensors and Actuators B: Chemical</i> , 2019, 287, 18-26.	4.0	26
21	Electrochemical evaluation and voltammetric determination of laxative drug bisacodyl on boron-doped diamond electrode. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 137, 464-469.	2.5	12
22	Laccase from <i>Botryosphaeria rhodina</i> MAMB-05 as a biological component in electrochemical biosensing devices. <i>Analytical Methods</i> , 2019, 11, 717-720.	1.3	15
23	Exploring the exocellular fungal biopolymer botryosphaeran for laccase-biosensor architecture and application to determine dopamine and spironolactone. <i>Talanta</i> , 2019, 204, 475-483.	2.9	45
24	Laccase stabilized on β -D-glucan films on the surface of carbon black/gold nanoparticles: A new platform for electrochemical biosensing. <i>Bioelectrochemistry</i> , 2019, 129, 116-123.	2.4	28
25	In-house validation of a totally aqueous voltammetric method for determination of diltiazem hydrochloride. <i>Journal of Electroanalytical Chemistry</i> , 2019, 837, 159-166.	1.9	14
26	Simultaneous determination of nifedipine and atenolol in combined dosage forms using a boron-doped diamond electrode with differential pulse voltammetry. <i>Canadian Journal of Chemistry</i> , 2018, 96, 1-7.	0.6	19
27	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). <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 166-175.	4.0	39
28	Boron-doped diamond electrode: a modification-free platform for sensitive square-wave voltammetric determination of indapamide hydrochloride. <i>Analytical Methods</i> , 2018, 10, 3347-3352.	1.3	15
29	Assessment of the performance of triphenylphosphine for the voltammetric determination of elemental sulphur in cosmetic products. <i>Analyst</i> , 2018, 143, 3600-3606.	1.7	1
30	The Performance of Boron-Doped Diamond Electrode for the Determination of Ramipril and its Association with Hydrochlorothiazide. <i>Electroanalysis</i> , 2017, 29, 1180-1187.	1.5	18
31	Advanced sensing performance towards simultaneous determination of quaternary mixture of antihypertensives using boron-doped diamond electrode. <i>Microchemical Journal</i> , 2017, 134, 173-180.	2.3	41
32	Versatility of a carbon paste electrode coupled to differential pulse voltammetry for determination of lisinopril with its associations (hydrochlorothiazide and amlodipine). <i>Analytical Methods</i> , 2017, 9, 4599-4608.	1.3	6
33	Exploiting the high oxidation potential of carisoprodol on a boron-doped diamond electrode: an improved method for its simultaneous determination with acetaminophen and caffeine. <i>Analyst</i> , 2017, 142, 3514-3521.	1.7	28
34	Sensitive square-wave voltammetric determination of tadalafil (Cialis®) in pharmaceutical samples using a cathodically pretreated boron-doped diamond electrode. <i>Diamond and Related Materials</i> , 2017, 77, 153-158.	1.8	43
35	Synthesis of CdO nanoparticles using direct chemical precipitation method: Fabrication of novel voltammetric sensor for square wave voltammetry determination of chlorpromazine in pharmaceutical samples. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 347-353.	0.9	39
36	Differential pulse voltammetric method for the individual and simultaneous determination of antihypertensive drug metoprolol and its association with hydrochlorothiazide in pharmaceutical dosage forms. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 630-638.	4.0	44

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37	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. <i>Microchemical Journal</i> , 2016, 124, 65-75.	2.3	41
38	Electrochemical evaluation and simultaneous determination of binary mixture of antihypertensives hydrochlorothiazide and enalapril in combined dosage forms using carbon nanotubes paste electrode. <i>Ionics</i> , 2015, 21, 1615-1622.	1.2	12
39	Electrochemical study of the antiplatelet agent ticlopidine and its voltammetric determination in pharmaceutical and urine samples using a boron-doped diamond electrode. <i>Analytical Methods</i> , 2015, 7, 3750-3756.	1.3	6
40	Simple and rapid determination of loratadine in pharmaceuticals using square-wave voltammetry and a cathodically pretreated boron-doped diamond electrode. <i>Analytical Methods</i> , 2015, 7, 8697-8703.	1.3	25
41	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. <i>Analytical Methods</i> , 2015, 7, 643-649.	1.3	26
42	Electroanalytical application of a boron-doped diamond electrode: Improving the simultaneous voltammetric determination of amlodipine and valsartan in urine and combined dosage forms. <i>Journal of Electroanalytical Chemistry</i> , 2015, 738, 188-194.	1.9	42
43	Electrochemical evaluation of a boron-doped diamond electrode for simultaneous determination of an antihypertensive ternary mixture of amlodipine, hydrochlorothiazide and valsartan in pharmaceuticals. <i>Analytical Methods</i> , 2015, 7, 1053-1060.	1.3	35
44	Development of HPLC Method for Quantification of Orphenadrine, Paracetamol, and Caffeine in Pharmaceutical Formulations. <i>Revista Virtual De Quimica</i> , 2015, 7, 2066-2079.	0.1	1
45	Evaluation of a Multi-Walled Carbon Nanotube-Hemin Composite for the Voltammetric Determination of Hydrogen Peroxide in Dental Products. <i>Analytical Letters</i> , 2014, 47, 750-762.	1.0	6
46	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. <i>Sensors and Actuators B: Chemical</i> , 2014, 205, 234-243.	4.0	47
47	Simultaneous determination of hydrochlorothiazide and valsartan in combined dosage forms: Electroanalytical performance of cathodically pretreated boron-doped diamond electrode. <i>Journal of Electroanalytical Chemistry</i> , 2014, 732, 46-52.	1.9	31
48	A highly improved method for sensitive determination of amitriptyline in pharmaceutical formulations using an unmodified carbon nanotube electrode in the presence of sulfuric acid. <i>Talanta</i> , 2014, 127, 26-32.	2.9	26
49	Evaluation of boron-doped diamond electrode for simultaneous voltammetric determination of hydrochlorothiazide and losartan in pharmaceutical formulations. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 263-270.	4.0	62
50	Square-wave voltammetric determination of bezafibrate in pharmaceutical formulations using a cathodically pretreated boron-doped diamond electrode. <i>Talanta</i> , 2013, 103, 201-206.	2.9	35
51	Simultaneous Square-Wave Voltammetric Determination of Paracetamol, Caffeine and Orphenadrine in Pharmaceutical Formulations Using a Cathodically Pretreated Boron-Doped Diamond Electrode. <i>Electroanalysis</i> , 2013, 25, 1734-1741.	1.5	59
52	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. <i>Electroanalysis</i> , 2012, 24, 627-634.	1.5	25
53	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. <i>Talanta</i> , 2011, 87, 235-242.	2.9	48
54	Conductometric determination of propranolol hydrochloride in pharmaceuticals. <i>Eletica Quimica</i> , 2011, 36, 110-122.	0.2	8

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55	Glassy Carbon Electrode Modified with Functionalized Carbon Nanotubes Within a Poly(allylamine) Tj ETQq1 1 0.784314 rgBT /Overlck 2526-2533.	1.5	25
56	Removal of copper(II) from sugar-cane spirits employing chitosan. <i>Quimica Nova</i> , 2010, 33, 458-460.	0.3	4
57	Square-wave voltammetric determination of propranolol and atenolol in pharmaceuticals using a boron-doped diamond electrode. <i>Talanta</i> , 2010, 81, 1418-1424.	2.9	107
58	Differential Pulse Voltammetric Determination of Sildenafil Citrate (Viagra®) in Pharmaceutical Formulations Using a Boron-Doped Diamond Electrode. <i>Analytical Letters</i> , 2010, 43, 1046-1054.	1.0	44
59	Determinação condutométrica de cloridrato de metformina em formulações farmacêuticas empregando nitrato de prata como titulante. <i>Quimica Nova</i> , 2009, 32, 1947-1950.	0.3	7
60	Square-wave voltammetric determination of acetylsalicylic acid in pharmaceutical formulations using a boron-doped diamond electrode without the need of previous alkaline hydrolysis step. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 360-366.	0.6	63
61	Conductometric Determination of Fluoxetine Hydrochloride in Pharmaceutical Formulations. <i>Analytical Letters</i> , 2009, 42, 659-667.	1.0	5
62	The Catalytic Cycle of Oxidation of Iodide Ion in the Oxygen/Nitrous Acid/Nitric Oxide System and Its Potential for Analytical Applications. <i>Analytical Letters</i> , 2006, 39, 2763-2774.	1.0	15
63	An Easy Process to Prepare a Copper(I)/Copper Sulfide Electrode and Its Behavior in Alkalimetric Titrations. <i>Analytical Letters</i> , 2006, 39, 927-935.	1.0	0