

# Orlando Fatibello-Filho

## List of Publications by Year in descending order

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336  
papers

11,228  
citations

22099

59  
h-index

62479

80  
g-index

340  
all docs

340  
docs citations

340  
times ranked

8637  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous voltammetric determination of paracetamol and caffeine in pharmaceutical formulations using a boron-doped diamond electrode. <i>Talanta</i> , 2009, 78, 748-752.	2.9	248
2	Electrochemical impedance studies of chitosan-modified electrodes for application in electrochemical sensors and biosensors. <i>Electrochimica Acta</i> , 2010, 55, 6239-6247.	2.6	175
3	Anodic stripping voltammetric determination of copper(II) using a functionalized carbon nanotubes paste electrode modified with crosslinked chitosan. <i>Sensors and Actuators B: Chemical</i> , 2009, 142, 260-266.	4.0	160
4	Hydroxyl radicals electrochemically generated in situ on a boron-doped diamond electrode. <i>Electrochemistry Communications</i> , 2009, 11, 1342-1345.	2.3	155
5	3D-Printed graphene/polylactic acid electrode for bioanalysis: Biosensing of glucose and simultaneous determination of uric acid and nitrite in biological fluids. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127621.	4.0	142
6	Electrochemical sensor based on reduced graphene oxide/carbon black/chitosan composite for the simultaneous determination of dopamine and paracetamol concentrations in urine samples. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 436-443.	1.9	125
7	Imparting improvements in electrochemical sensors: evaluation of different carbon blacks that give rise to significant improvement in the performance of electroanalytical sensing platforms. <i>Electrochimica Acta</i> , 2015, 157, 125-133.	2.6	120
8	Application of functionalised carbon nanotubes immobilised into chitosan films in amperometric enzyme biosensors. <i>Sensors and Actuators B: Chemical</i> , 2009, 142, 308-315.	4.0	115
9	A new and simple method for the simultaneous determination of amoxicillin and nimesulide using carbon black within a dihexadecylphosphate film as electrochemical sensor. <i>Talanta</i> , 2018, 179, 115-123.	2.9	113
10	Simultaneous voltammetric determination of phenolic antioxidants in food using a boron-doped diamond electrode. <i>Food Chemistry</i> , 2010, 123, 886-891.	4.2	109
11	Simultaneous determination of paracetamol and levofloxacin using a glassy carbon electrode modified with carbon black, silver nanoparticles and PEDOT:PSS film. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2264-2273.	4.0	109
12	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
13	Development of a carbon nanotubes paste electrode modified with crosslinked chitosan for cadmium(II) and mercury(II) determination. <i>Journal of Electroanalytical Chemistry</i> , 2011, 660, 209-216.	1.9	104
14	Simultaneous determination of paracetamol and ciprofloxacin in biological fluid samples using a glassy carbon electrode modified with graphene oxide and nickel oxide nanoparticles. <i>Talanta</i> , 2017, 174, 610-618.	2.9	99
15	Simultaneous voltammetric determination of synthetic colorants in food using a cathodically pretreated boron-doped diamond electrode. <i>Talanta</i> , 2012, 97, 291-297.	2.9	96
16	Nanostructured carbon black for simultaneous sensing in biological fluids. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 610-618.	4.0	95
17	Biosensor based on paraffin/graphite modified with sweet potato tissue for the determination of hydroquinone in cosmetic cream in organic phase. <i>Talanta</i> , 2000, 52, 681-689.	2.9	93
18	A biosensor based on gold nanoparticles, dihexadecylphosphate, and tyrosinase for the determination of catechol in natural water. <i>Enzyme and Microbial Technology</i> , 2016, 84, 17-23.	1.6	93

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19	A new electrochemical platform based on low cost nanomaterials for sensitive detection of the amoxicillin antibiotic in different matrices. <i>Talanta</i> , 2020, 206, 120252.	2.9	92
20	Comparative Study of Different Cross-Linking Agents for the Immobilization of Functionalized Carbon Nanotubes within a Chitosan Film Supported on a Graphite/Epoxy Composite Electrode. <i>Analytical Chemistry</i> , 2009, 81, 5364-5372.	3.2	91
21	Electrochemical Biosensors Based on Nanostructured Carbon Black: A Review. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-14.	1.5	90
22	Flow analysis strategies to greener analytical chemistry. An overview. <i>Green Chemistry</i> , 2001, 3, 216.	4.6	89
23	Simple Flow Injection Analysis System for Simultaneous Determination of Phenolic Antioxidants with Multiple Pulse Amperometric Detection at a Boron-Doped Diamond Electrode. <i>Analytical Chemistry</i> , 2010, 82, 8658-8663.	3.2	89
24	Tyrosinase biosensor based on a glassy carbon electrode modified with multi-walled carbon nanotubes and 1-butyl-3-methylimidazolium chloride within a dihexadecylphosphate film. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 1101-1108.	4.0	89
25	An electrochemical sensor for l-dopa based on oxovanadium-salen thin film electrode applied flow injection system. <i>Sensors and Actuators B: Chemical</i> , 2007, 122, 549-555.	4.0	88
26	Direct electron transfer of glucose oxidase at glassy carbon electrode modified with functionalized carbon nanotubes within a dihexadecylphosphate film. <i>Sensors and Actuators B: Chemical</i> , 2011, 158, 411-417.	4.0	88
27	Freestanding three-dimensional graphene foam gives rise to beneficial electrochemical signatures within non-aqueous media. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5962.	5.2	88
28	Diamond-coated black silicon™ as a promising material for high-surface-area electrochemical electrodes and antibacterial surfaces. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5737-5746.	2.9	86
29	Simultaneous determination of isoproterenol, acetaminophen, folic acid, propranolol and caffeine using a sensor platform based on carbon black, graphene oxide, copper nanoparticles and PEDOT:PSS. <i>Talanta</i> , 2018, 183, 329-338.	2.9	80
30	Chronoamperometric determination of paracetamol using an avocado tissue ( <i>Persea americana</i> ) biosensor. <i>Talanta</i> , 2001, 55, 685-692.	2.9	79
31	Electrochemical behaviour of vertically aligned carbon nanotubes and graphene oxide nanocomposite as electrode material. <i>Electrochimica Acta</i> , 2014, 119, 114-119.	2.6	79
32	An improved flow system for phenols determination exploiting multicommutation and long pathlength spectrophotometry. <i>Talanta</i> , 2004, 62, 463-467.	2.9	78
33	Square-wave voltammetric determination of paraquat using a glassy carbon electrode modified with multiwalled carbon nanotubes within a dihexadecylhydrogenphosphate (DHP) film. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 306-311.	4.0	78
34	Simultaneous voltammetric determination of dopamine and epinephrine in human body fluid samples using a glassy carbon electrode modified with nickel oxide nanoparticles and carbon nanotubes within a dihexadecylphosphate film. <i>Analyst</i> , 2014, 139, 2842.	1.7	78
35	The application of graphene for in vitro and in vivo electrochemical biosensing. <i>Biosensors and Bioelectronics</i> , 2017, 89, 224-233.	5.3	78
36	Square-wave voltammetric determination of hydroxychloroquine in pharmaceutical and synthetic urine samples using a cathodically pretreated boron-doped diamond electrode. <i>Journal of Electroanalytical Chemistry</i> , 2014, 719, 19-23.	1.9	77

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37	A nanodiamond-based electrochemical sensor for the determination of pyrazinamide antibiotic. <i>Sensors and Actuators B: Chemical</i> , 2017, 250, 315-323.	4.0	77
38	Electrochemical biosensor made with tyrosinase immobilized in a matrix of nanodiamonds and potato starch for detecting phenolic compounds. <i>Analytica Chimica Acta</i> , 2018, 1034, 137-143.	2.6	77
39	Spectrophotometric determination of methyl dopa and dopamine in pharmaceutical formulations using a crude extract of sweet potato root ( <i>Ipomoea batatas</i> (L.) Lam.) as enzymatic source. <i>Talanta</i> , 1998, 46, 559-564.	2.9	75
40	Biosensor based on laccase immobilized on microspheres of chitosan crosslinked with tripolyphosphate. <i>Sensors and Actuators B: Chemical</i> , 2008, 133, 202-207.	4.0	75
41	Electrochemical paper-based microfluidic device for high throughput multiplexed analysis. <i>Talanta</i> , 2019, 203, 280-286.	2.9	72
42	Desenvolvimento de um spot test para o monitoramento da atividade da peroxidase em um procedimento de purificação. <i>Química Nova</i> , 2008, 31, 731-734.	0.3	71
43	A new disposable microfluidic electrochemical paper-based device for the simultaneous determination of clinical biomarkers. <i>Talanta</i> , 2019, 195, 62-68.	2.9	70
44	Differential Pulse Voltammetric Determination of Paraquat Using a Bismuth Film Electrode. <i>Electroanalysis</i> , 2010, 22, 1260-1266.	1.5	69
45	Uso analítico de tecidos e de extratos brutos vegetais como fonte enzimática. <i>Química Nova</i> , 2002, 25, 455-464.	0.3	68
46	Determination of the chemical oxygen demand (COD) using a copper electrode: a clean alternative method. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 665-669.	1.2	68
47	Flow injection simultaneous determination of synthetic colorants in food using multiple pulse amperometric detection with a boron-doped diamond electrode. <i>Talanta</i> , 2012, 99, 883-889.	2.9	67
48	Analytical Applications of Electrochemically Pretreated Boron-Doped Diamond Electrodes. <i>ChemElectroChem</i> , 2020, 7, 1291-1311.	1.7	66
49	Flow Injection Determination of levodopa in tablets using a solid-phase reactor containing lead(IV) dioxide immobilized. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 25, 393-398.	1.4	65
50	Synergic effect studies of the bi-enzymatic system laccase-peroxidase in a voltammetric biosensor for catecholamines. <i>Talanta</i> , 2003, 59, 889-896.	2.9	65
51	A digital image-based method employing a spot-test for quantification of ethanol in drinks. <i>Analytical Methods</i> , 2015, 7, 4138-4144.	1.3	64
52	Flow Injection Spectrophotometric Determination of L-Dopa and Carbidopa in Pharmaceutical Formulations Using a Crude Extract of Sweet Potato Root [ <i>Ipomoea batatas</i> (L.) Lam.] as Enzymatic Source. <i>Analyst</i> , The, 1997, 122, 345-350.	1.7	63
53	SWEET POTATO (IPOMOEA BATATAS(L.)LAM.) TISSUE AS A BIOCATALYST IN A PARAFFIN/GRAPHITE BIOSENSOR FOR HYDRAZINE DETERMINATION IN BOILER FEED WATER. <i>Analytical Letters</i> , 2002, 35, 2221-2231.	1.0	63
54	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

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55	Direct electrochemistry of tyrosinase and biosensing for phenol based on gold nanoparticles electrodeposited on a boron-doped diamond electrode. <i>Diamond and Related Materials</i> , 2012, 25, 128-133.	1.8	62
56	An Electrochemical Sensor for the Simultaneous Determination of Paracetamol and Codeine Using a Glassy Carbon Electrode Modified with Nickel Oxide Nanoparticles and Carbon Black. <i>Electroanalysis</i> , 2015, 27, 2214-2220.	1.5	62
57	Flow injection spectrophotometric determination of sulfite using a crude extract of sweet potato root ( <i>Ipomoea batatas</i> (L.) Lam.) as a source of polyphenol oxidase. <i>Analytica Chimica Acta</i> , 1997, 354, 51-57.	2.6	61
58	Simultaneous determination of salbutamol and propranolol in biological fluid samples using an electrochemical sensor based on functionalized-graphene, ionic liquid and silver nanoparticles. <i>Journal of Electroanalytical Chemistry</i> , 2018, 824, 1-8.	1.9	61
59	Voltammetric determination of N-acetylcysteine using a carbon paste electrode modified with copper(II) hexacyanoferrate(III). <i>Microchemical Journal</i> , 2006, 82, 163-167.	2.3	60
60	Anodic Stripping Voltammetric Determination of Mercury in Water Using a Chitosan-Modified Carbon Paste Electrode. <i>Analytical Letters</i> , 2007, 40, 3119-3128.	1.0	59
61	Simultaneous Differential Pulse Voltammetric Determination of Ascorbic Acid and Caffeine in Pharmaceutical Formulations Using a Boron-Doped Diamond Electrode. <i>Electroanalysis</i> , 2010, 22, 1717-1723.	1.5	59
62	Carbon black supported Au-Pd core-shell nanoparticles within a dihexadecylphosphate film for the development of hydrazine electrochemical sensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 535-542.	4.0	59
63	Direct electrochemistry of hemoglobin and biosensing for hydrogen peroxide using a film containing silver nanoparticles and poly(amidoamine) dendrimer. <i>Materials Science and Engineering C</i> , 2016, 58, 97-102.	3.8	58
64	Simultaneous Differential Pulse Voltammetric Determination of Sulfamethoxazole and Trimethoprim on a Boron-Doped Diamond Electrode. <i>Electroanalysis</i> , 2009, 21, 1475-1480.	1.5	57
65	A multidimensional high performance liquid chromatography method coupled with amperometric detection using a boron-doped diamond electrode for the simultaneous determination of sulfamethoxazole and trimethoprim in bovine milk. <i>Analytica Chimica Acta</i> , 2009, 654, 127-132.	2.6	57
66	Determination of piroxicam and nimesulide using an electrochemical sensor based on reduced graphene oxide and PEDOT:PSS. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 547-555.	1.9	57
67	Pb(II) determination in natural water using a carbon nanotubes paste electrode modified with crosslinked chitosan. <i>Microchemical Journal</i> , 2014, 116, 191-196.	2.3	56
68	Electrochemical sensor based on graphene oxide and ionic liquid for ofloxacin determination at nanomolar levels. <i>Talanta</i> , 2016, 161, 333-341.	2.9	56
69	Zucchini crude extract-palladium-modified carbon paste electrode for the determination of hydroquinone in photographic developers. <i>Analytica Chimica Acta</i> , 1999, 398, 145-151.	2.6	55
70	Simultaneous square-wave voltammetric determination of aspartame and cyclamate using a boron-doped diamond electrode. <i>Talanta</i> , 2008, 76, 685-689.	2.9	55
71	Voltammetric determination of ciprofloxacin in urine samples and its interaction with dsDNA on a cathodically pretreated boron-doped diamond electrode. <i>Analytical Methods</i> , 2015, 7, 3411-3418.	1.3	55
72	Simultaneous determination of butylated hydroxyanisole (BHA) and butylated hydroxytoluene (BHT) in food samples using a carbon composite electrode modified with Cu <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> immobilized in polyester resin. <i>Talanta</i> , 2010, 81, 1102-1108.	2.9	54

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73	Determination of Epinephrine and Dopamine in Pharmaceutical Formulations Using a Biosensor Based on Carbon Paste Modified with Crude Extract of Cara Root ( <i>Dioscorea bulbifera</i> ). <i>Analytical Letters</i> , 1999, 32, 39-50.	1.0	53
74	Voltammetric determination of verapamil and propranolol using a glassy carbon electrode modified with functionalized multiwalled carbon nanotubes within a poly (allylamine hydrochloride) film. <i>Journal of Electroanalytical Chemistry</i> , 2013, 708, 73-79.	1.9	52
75	Voltammetric determination of isoprenaline in pharmaceutical preparations using a copper(II) hexacyanoferrate(III) modified carbon paste electrode. <i>Microchemical Journal</i> , 2004, 78, 55-59.	2.3	51
76	Inexpensive and disposable copper mini-sensor modified with bismuth for lead and cadmium determination using square-wave anodic stripping voltammetry. <i>Analytical Methods</i> , 2013, 5, 202-207.	1.3	51
77	Electrochemical Modified Electrodes Based on Metal-Salen Complexes. <i>Analytical Letters</i> , 2007, 40, 1825-1852.	1.0	50
78	Square-wave voltammetric determination of clindamycin using a glassy carbon electrode modified with graphene oxide and gold nanoparticles within a crosslinked chitosan film. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 183-193.	4.0	50
79	Flow injection spectrophotometric determination of hydrogen peroxide using a crude extract of zucchini ( <i>Cucurbita pepo</i> ) as a source of peroxidase. <i>Analyst, The</i> , 1998, 123, 1809-1812.	1.7	49
80	Flow injection spectrophotometric determination of isoproterenol using an avocado ( <i>Persea</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	2.9	49
81	Voltammetric determination of dipyrone using a N,N'-ethylenebis(salicylideneaminato)oxovanadium(IV) modified carbon-paste electrode. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 803-808.	0.6	48
82	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
83	A disposable and inexpensive bismuth film minisensor for a voltammetric determination of diquat and paraquat pesticides in natural water samples. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 749-756.	4.0	48
84	Selective and simultaneous determination of indigo carmine and allura red in candy samples at the nano-concentration range by flow injection analysis with multiple pulse amperometric detection. <i>Food Chemistry</i> , 2018, 247, 66-72.	4.2	48
85	Effect of carbon black functionalization on the analytical performance of a tyrosinase biosensor based on glassy carbon electrode modified with dihexadecylphosphate film. <i>Enzyme and Microbial Technology</i> , 2018, 116, 41-47.	1.6	48
86	A rapid spectrophotometric method for the determination of transparent exopolymer particles (TEP) in freshwater. <i>Talanta</i> , 2004, 62, 81-85.	2.9	47
87	Development of a simple electrochemical sensor for the simultaneous detection of anticancer drugs. <i>Journal of Electroanalytical Chemistry</i> , 2018, 827, 64-72.	1.9	47
88	Piezoelectric crystal monitor for carbon dioxide in fermentation processes. <i>Analytical Chemistry</i> , 1989, 61, 746-748.	3.2	46
89	Flow injection spectrophotometric determination of L-ascorbic acid in pharmaceutical formulations with on-line solid-phase reactor containing copper (II) phosphate Presented at the VII International Conference of Flow Analysis, held in Piracicaba, SP, Brazil, August 25-28, 1997.1. <i>Analytica Chimica Acta</i> , 1998, 366, 55-62.	2.6	46
90	Forensic electrochemistry: sensing the molecule of murder atropine. <i>Analyst, The</i> , 2013, 138, 1053.	1.7	46

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91	Nanodiamonds stabilized in dihexadecyl phosphate film for electrochemical study and quantification of codeine in biological and pharmaceutical samples. <i>Diamond and Related Materials</i> , 2017, 74, 191-196.	1.8	46
92	Bioelectroanalysis of pharmaceutical compounds. <i>Bioanalytical Reviews</i> , 2012, 4, 31-53.	0.1	45
93	Amorphous carbon nitride as an alternative electrode material in electroanalysis: Simultaneous determination of dopamine and ascorbic acid. <i>Analytica Chimica Acta</i> , 2013, 797, 30-39.	2.6	45
94	The use of modified electrode with carbon black as sensor to the electrochemical studies and voltammetric determination of pesticide mesotrione. <i>Microchemical Journal</i> , 2017, 133, 188-194.	2.3	45
95	Bismuth vanadate/graphene quantum dot: A new nanocomposite for photoelectrochemical determination of dopamine. <i>Sensors and Actuators B: Chemical</i> , 2019, 285, 248-253.	4.0	45
96	Solid-phase reactor with copper(II) phosphate for flow-injection spectrophotometric determination of aspartame in tabletop sweeteners. <i>Analytica Chimica Acta</i> , 1999, 384, 167-174.	2.6	44
97	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
98	Generation and destruction of unstable reagent in flow injection system: determination of acetylcysteine in pharmaceutical formulations using bromine as reagent. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 771-775.	1.4	42
99	Electrochemical Performance of Porous Diamond-like Carbon Electrodes for Sensing Hormones, Neurotransmitters, and Endocrine Disruptors. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 21086-21092.	4.0	42
100	L-Cysteine determination using a polyphenol oxidase-based inhibition flow injection procedure. <i>Analytica Chimica Acta</i> , 1999, 399, 287-293.	2.6	41
101	Polyphenol oxidase-based electrochemical biosensors: A review. <i>Analytica Chimica Acta</i> , 2020, 1139, 198-221.	2.6	40
102	Voltammetric determination of ethinylestradiol using screen-printed electrode modified with functionalized graphene, graphene quantum dots and magnetic nanoparticles coated with molecularly imprinted polymers. <i>Talanta</i> , 2021, 224, 121804.	2.9	40
103	Electrocatalytic Oxidation and Voltammetric Determination of Hydrazine in Industrial Boiler Feed Water Using a Cobalt Phthalocyanine-modified Electrode. <i>Analytical Letters</i> , 2008, 41, 1010-1021.	1.0	39
104	Simultaneous electrochemical sensing of ascorbic acid and uric acid under biofouling conditions using nanoporous gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2019, 846, 113160.	1.9	39
105	Determination of vitamin B6 (pyridoxine) in pharmaceutical preparations by cyclic voltammetry at a copper(II) hexacyanoferrate(III) modified carbon paste electrode. <i>Journal of the Brazilian Chemical Society</i> , 2003, 14, 316-321.	0.6	39
106	Electrochemical sensor based on ionic liquid and carbon black for voltammetric determination of Allura red colorant at nanomolar levels in soft drink powders. <i>Talanta</i> , 2020, 209, 120588.	2.9	38
107	Flow injection spectrophotometric determination of total phenols using a crude extract of sweet potato root ( <i>Ipomoea batatas</i> (L.) Lam.) as enzymatic source Presented at the VII International Conference on Flow Analysis, held in Piracicaba, SP, Brazil, August 25-28, 1997.1. <i>Analytica Chimica Acta</i> , 1998, 366, 111-118.	2.6	37
108	A multicommuted flow system for sequential spectrophotometric determination of hydrosoluble vitamins in pharmaceutical preparations. <i>Talanta</i> , 2003, 59, 191-200.	2.9	37

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109	An automated system for liquid-liquid extraction based on a new micro-batch extraction chamber with on-line detection. Preconcentration and determination of copper(II). <i>Analytica Chimica Acta</i> , 2004, 525, 281-287.	2.6	37
110	Differential pulse adsorptive stripping voltammetric determination of nanomolar levels of atorvastatin calcium in pharmaceutical and biological samples using a vertically aligned carbon nanotube/graphene oxide electrode. <i>Analyst, The</i> , 2014, 139, 2832.	1.7	37
111	Flow injection simultaneous determination of acetaminophen and tramadol in pharmaceutical and biological samples using multiple pulse amperometric detection with a boron-doped diamond electrode. <i>Diamond and Related Materials</i> , 2015, 60, 1-8.	1.8	37
112	Amperometric Biosensor for the Determination of Phenols Using a Crude Extract of Sweet Potato ( <i>Ipomoea Batatas</i> (L.) Lam.). <i>Analytical Letters</i> , 1997, 30, 895-907.	1.0	36
113	Detection of cadmium sulphide nanoparticles by using screen-printed electrodes and a handheld device. <i>Nanotechnology</i> , 2007, 18, 035502.	1.3	36
114	Voltammetric Studies of Propranolol and Hydrochlorothiazide Oxidation in Standard and Synthetic Biological Fluids Using a Nitrogen-Containing Tetrahedral Amorphous Carbon (ta-C:N) Electrode. <i>Electrochimica Acta</i> , 2014, 143, 398-406.	2.6	36
115	Asynchronous merging zones system: spectrophotometric determination of Fe(II) and Fe(III) in pharmaceutical products. <i>Talanta</i> , 1999, 49, 505-510.	2.9	35
116	Determination of Atrazine in Natural Water Samples by Differential Pulse Adsorptive Stripping Voltammetry Using a Bismuth Film Electrode. <i>Electroanalysis</i> , 2012, 24, 303-308.	1.5	35
117	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
118	Use of a boron-doped diamond electrode to assess the electrochemical response of the naphthol isomers and to attain their truly simultaneous electroanalytical determination. <i>Electrochimica Acta</i> , 2017, 243, 374-381.	2.6	35
119	Non-enzymatic electrochemical determination of creatinine using a novel screen-printed microcell. <i>Talanta</i> , 2020, 207, 120277.	2.9	35
120	New Disposable Electrochemical Paper-based Microfluidic Device with Multiplexed Electrodes for Biomarkers Determination in Urine Sample. <i>Electroanalysis</i> , 2020, 32, 1075-1083.	1.5	35
121	Simultaneous determination of direct yellow 50, tryptophan, carbendazim, and caffeine in environmental and biological fluid samples using graphite pencil electrode modified with palladium nanoparticles. <i>Talanta</i> , 2021, 222, 121539.	2.9	35
122	Differential pulse voltammetric determination of albendazole in pharmaceutical tablets using a cathodically pretreated boron-doped diamond electrode. <i>Journal of Electroanalytical Chemistry</i> , 2013, 707, 15-19.	1.9	34
123	Flow injection potentiometric determination of saccharin in dietary products with relocation of filtration unit. <i>Talanta</i> , 1994, 41, 731-734.	2.9	33
124	Flow injection spectrophotometric method for chloride determination in natural waters using Hg(SCN) immobilized in epoxy resin. <i>Talanta</i> , 2005, 65, 965-970.	2.9	33
125	A novel multicommutation stopped-flow system for the simultaneous determination of sulfamethoxazole and trimethoprim by differential pulse voltammetry on a boron-doped diamond electrode. <i>Analytical Methods</i> , 2010, 2, 402.	1.3	33
126	Exploring the electrochemical performance of graphitic paste electrodes: graphene vs. graphite. <i>Analyst, The</i> , 2013, 138, 6354.	1.7	33



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127	Electrochemical sensor for ranitidine determination based on carbon paste electrode modified with oxovanadium (IV) salen complex. <i>Materials Science and Engineering C</i> , 2013, 33, 4081-4085.	3.8	33
128	A digital image analysis method for quantification of sulfite in beverages. <i>Analytical Methods</i> , 2015, 7, 7568-7573.	1.3	33
129	Electroanalytical sensing of indigo carmine dye in water samples using a cathodically pretreated boron-doped diamond electrode. <i>Journal of Electroanalytical Chemistry</i> , 2016, 769, 28-34.	1.9	33
130	Amperometric flow-injection determination of the anthelmintic drugs ivermectin and levamisole using electrochemically pretreated boron-doped diamond electrodes. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 181-189.	4.0	33
131	Square-wave adsorptive anodic stripping voltammetric determination of norfloxacin using a glassy carbon electrode modified with carbon black and CdTe quantum dots in a chitosan film. <i>Mikrochimica Acta</i> , 2019, 186, 148.	2.5	33
132	L-ascorbic acid determination in pharmaceutical formulations using a biosensor based on carbon paste modified with crude extract of zucchini ( <i>Cucurbita pepo</i> ). <i>Journal of the Brazilian Chemical Society</i> , 2000, 11, 412-418.	0.6	32
133	Bienzymatic electrode for the determination of aspartame in dietary products. <i>Analytical Chemistry</i> , 1988, 60, 2397-2399.	3.2	31
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146	Flow injection amperometric determination of dipyrone in pharmaceutical formulations using a carbon paste electrode. <i>Il Farmaco</i> , 2003, 58, 999-1004.	0.9	28
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186	Carbon paste electrode modified with pine kernel peroxidase immobilized on pegylated polyurethane nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2009, 139, 570-575.	4.0	20
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