Ana Maria Cf Oliveira-Brett

List of Publications by Year
in descending order

226	8,541	38742 50	64796 79
papers	citations	h-index	g-index

230	230	230	7125
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phenol and para-substituted phenols electrochemical oxidation pathways. Journal of Electroanalytical Chemistry, 2011, 655, 9-16.	3.8	384
2	Catechin electrochemical oxidation mechanisms. Analytica Chimica Acta, 2004, 518, 109-115.	5.4	294
3	Voltammetric determination of all DNA nucleotides. Analytical Biochemistry, 2004, 332, 321-329.	2.4	281
4	Electrochemical Oxidation of Quercetin. Electroanalysis, 2003, 15, 1745-1750.	2.9	244
5	Electrochemical nucleic acid-based biosensors: Concepts, terms, and methodology (IUPAC Technical) Tj ETQq1 1 0.784314 rgBT /Ove	1.9	200
6	Hydroxyl radicals electrochemically generated in situ on a boron-doped diamond electrode. Electrochemistry Communications, 2009, 11, 1342-1345.	4.7	155
7	Applications of a DNA-electrochemical biosensor. TrAC - Trends in Analytical Chemistry, 2016, 79, 23-36.	11.4	154
8	Electrochemical oxidation mechanism of guanine and adenine using a glassy carbon microelectrode. Bioelectrochemistry, 2002, 55, 61-62.	4.6	151
9	Boron doped diamond and glassy carbon electrodes comparative study of the oxidation behaviour of cysteine and methionine. Bioelectrochemistry, 2011, 81, 46-52.	4.6	135
10	Electrochemical detection of in situ adriamycin oxidative damage to DNA. Talanta, 2002, 56, 959-970.	5.5	134
11	Natural phenolic antioxidants electrochemistry: Towards a new food science methodology. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 1680-1726.	11.7	134
12	Electrochemical Oxidation of Rutin. Electroanalysis, 2005, 17, 313-318.	2.9	121
13	Ultrasound extracted flavonoids from four varieties of Portuguese red grape skins determined by reverse-phase high-performance liquid chromatography with electrochemical detection. Analytica Chimica Acta, 2008, 630, 107-115.	5.4	119
14	Electrochemical DNA Sensors for Detection of DNA Damage. Sensors, 2005, 5, 377-393.	3.8	113
15	Electrochemical determination of carboplatin in serum using a DNA-modified glassy carbon electrode. Electroanalysis, 1996, 8, 992-995.	2.9	103
16	Adsorption of Guanine, Guanosine, and Adenine at Electrodes Studied by Differential Pulse Voltammetry and Electrochemical Impedance. Langmuir, 2002, 18, 2326-2330.	3.5	97
17	Atomic Force Microscopy of DNA Immobilized onto a Highly Oriented Pyrolytic Graphite Electrode Surface. Langmuir, 2003, 19, 3830-3839.	3.5	94
18	Pathways of Electrochemical Oxidation of Indolic Compounds. Electroanalysis, 2011, 23, 1337-1344.	2.9	88

#	Article	IF	Citations
19	Studies on Self-Assembled Alkanethiol Monolayers Formed at Applied Potential on Polycrystalline Gold Electrodes. Electroanalysis, 2003, 15, 557-565.	2.9	85
20	In situ evaluation of heavy metalâ€“DNA interactions using an electrochemical DNA biosensor. Bioelectrochemistry, 2008, 72, 53-58.	4.6	84
21	Electrochemical oxidation of amphetamine-like drugs and application to electroanalysis of ecstasy in human serum. Bioelectrochemistry, 2010, 79, 77-83.	4.6	83
22	Ultrasound-Enhanced Anodic Stripping Voltammetry Using Perfluorosulfonated Ionomer-Coated Mercury Thin-Film Electrodes. Analytical Chemistry, 1997, 69, 1651-1656.	6.5	80
23	Electrochemical study of quercetinâ€“DNA interactions. Bioelectrochemistry, 2004, 64, 143-150.	4.6	79
24	Peptide methionine sulfoxide reductase A (MsrA): Direct electrochemical oxidation on carbon electrodes. Bioelectrochemistry, 2013, 89, 11-18.	4.6	78
25	Solid State Electrochemical Oxidation Mechanisms Of Morin in Aqueous Media. Electroanalysis, 2005, 17, 733-738.	2.9	77
26	Boron doped diamond electrode pre-treatments effect on the electrochemical oxidation of dsDNA, DNA bases, nucleotides, homopolynucleotides and biomarker 8-oxoguanine. Journal of Electroanalytical Chemistry, 2010, 648, 60-66.	3.8	77
27	Voltammetric and electrochemical impedance spectroscopy characterization of a cathodic and anodic pre-treated boron doped diamond electrode. Electrochimica Acta, 2010, 55, 4599-4605.	5.2	73
28	Comparison of the voltammetric behavior of metronidazole at a DNA-modified glassy carbon electrode, a mercury thin film electrode and a glassy carbon electrode. Electroanalysis, 1997, 9, 110-114.	2.9	72
29	Sonoelectrochemical studies of guanine and guanosine. Bioelectrochemistry, 1997, 42, 111-116.	1.0	68
30	Voltammetric behavior of nitroimidazoles at a DNA-biosensor. Electroanalysis, 1997, 9, 1132-1137.	2.9	68
31	Palladium nanoparticles and nanowires deposited electrochemically: AFM and electrochemical characterization. Journal of Solid State Electrochemistry, 2007, 11, 887-898.	2.5	68
32	On the Electrochemical Oxidation of Resveratrol. Electroanalysis, 2006, 18, 757-762.	2.9	65
33	Redox Behavior of Anthocyanins Present in Vitis vinifera L.. Electroanalysis, 2007, 19, 1779-1786.	2.9	65
34	Anodic stripping voltammetry of trace metals by batch injection analysis. Analytica Chimica Acta, 1996, 322, 151-157.	5.4	62
35	Electrochemical sensing of DNAâ€“adriamycin interactions. Bioelectrochemistry, 2002, 56, 81-83.	4.6	59
36	Chrysin and (Â±)-Taxifolin Electrochemical Oxidation Mechanisms. Electroanalysis, 2005, 17, 1059-1064.	2.9	59

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37	Electrochemical sensing in solutionâ€"origins, applications and future perspectives. Journal of Solid State Electrochemistry, 2011, 15, 1487-1494.	2.5	59
38	Alzheimer's disease amyloid beta peptides in vitro electrochemical oxidation. Bioelectrochemistry, 2017, 114, 13-23.	4.6	59
39	In Situ DNA Oxidative Damage by Electrochemically Generated Hydroxyl Free Radicals on a Boron-Doped Diamond Electrode. Langmuir, 2012, 28, 4896-4901.	3.5	58
40	Nafion-coated mercury thin film electrodes for batch-injection analysis with anodic stripping voltammetry. Talanta, 1996, 43, 2015-2022.	5.5	57
41	Voltammetric Oxidation of Drugs of Abuse I. Morphine and Metabolites. Electroanalysis, 2004, 16, 1419-1426.	2.9	54
42	Electrochemical, EIS and AFM characterisation of biosensors: Trioxysilane solâ€"gel encapsulated glucose oxidase with two different redox mediators. Electrochimica Acta, 2006, 52, 1-8.	5.2	54
43	Electrochemical oxidation of ochratoxin A at a glassy carbon electrode and in situ evaluation of the interaction with deoxyribonucleic acid using an electrochemical deoxyribonucleic acid-biosensor. Analytica Chimica Acta, 2007, 588, 283-291.	5.4	54
44	In situ electrochemical and AFM study of thalidomideâ€"DNA interaction. Bioelectrochemistry, 2009, 76, 201-207.	4.6	54
45	Amperometric batch injection analysis: Theoretical aspects of current transients and comparison with wall-jet electrodes in continuous flow. Electroanalysis, 1995, 7, 225-229.	2.9	53
46	Electrochemical reduction of metronidazole at a DNA-modified glassy carbon electrode. Bioelectrochemistry, 1997, 42, 175-178.	1.0	53
47	Poly(glutamic acid) nanofibre modified glassy carbon electrode: Characterization by atomic force microscopy, voltammetry and electrochemical impedance. Electrochimica Acta, 2008, 53, 3991-4000.	5.2	53
48	An EIS study of DNA-modified electrodes. Electrochimica Acta, 1999, 44, 4233-4239.	5.2	52
49	A DNA-electrochemical biosensor for screening environmental damage caused by s-triazine derivatives. Analytical and Bioanalytical Chemistry, 2002, 373, 717-723.	3.7	51
50	Evaluation of a glassy carbon electrode modified by a bilayer lipid membrane with incorporated DNA. Talanta, 1996, 43, 1137-1144.	5.5	50
51	Electrochemical study of quercetinâ€"DNA interactions: Part I. Analysis in incubated solutions. Bioelectrochemistry, 2004, 64, 133-141.	4.6	50
52	Development of an HPLC method with electrochemical detection of femtomoles of 8-oxo-7,8-dihydroguanine and 8-oxo-7,8-dihydro-2â€²-deoxyguanosine in the presence of uric acid. Talanta, 2004, 63, 323-331.	5.5	50
53	Flavonoids electrochemical detection in fruit extracts and total antioxidant capacity evaluation. Talanta, 2016, 154, 284-291.	5.5	50
54	Self-assembled G-quadruplex nanostructures: AFM and voltammetric characterization. Physical Chemistry Chemical Physics, 2013, 15, 9117.	2.8	48

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55	Anodic voltammetry and AFM imaging of picomoles of adriamycin adsorbed onto carbon surfaces. Journal of Electroanalytical Chemistry, 2002, 538-539, 267-276.	3.8	47
56	Electrochemical behaviour of isatin at a glassy carbon electrode. Analytica Chimica Acta, 2006, 575, 190-197.	5.4	47
57	Flow-injection determination of catechol with a new tyrosinase/DNA biosensor1Presented in part at the VII International Conference on Flow Analysis, Piracicaba, Brazil, 1997.1. Analytica Chimica Acta, 1998, 366, 137-145.	5.4	46
58	Effect of pH and applied potential on the adsorption of DNA on highly oriented pyrolytic graphite electrodes. Atomic force microscopy surface characterisation. Electrochemistry Communications, 2003, 5, 178-183.	4.7	45
59	Bioelectroanalysis of pharmaceutical compounds. Bioanalytical Reviews, 2012, 4, 31-53.	0.2	45
60	Atomic force microscopy characterization of an electrochemical DNA-biosensor. Bioelectrochemistry, 2004, 63, 229-232.	4.6	44
61	DNA Interaction with Palladium Chelates of Biogenic Polyamines Using Atomic Force Microscopy and Voltammetric Characterization. Analytical Chemistry, 2010, 82, 1245-1252.	6.5	44
62	Voltammetric Oxidation of Drugs of Abuse III. Heroin and Metabolites. Electroanalysis, 2004, 16, 1497-1502.	2.9	43
63	Adsorption of synthetic homo- and hetero-oligodeoxynucleotides onto highly oriented pyrolytic graphite: Atomic force microscopy characterization. Biophysical Chemistry, 2006, 121, 131-141.	2.8	43
64	Voltammetric Oxidation of Drugs of Abuse II. Codeine and Metabolites. Electroanalysis, 2004, 16, 1427-1433.	2.9	42
65	Guaicolic spices curcumin and capsaicin electrochemical oxidation behaviour at a glassy carbon electrode. Journal of Electroanalytical Chemistry, 2012, 682, 83-89.	3.8	42
66	DNA-Electrochemical Biosensors: AFM Surface Characterisation and Application to Detection of In Situ Oxidative Damage to DNA. Combinatorial Chemistry and High Throughput Screening, 2010, 13, 628-640.	1.1	42
67	Design of a new hypoxanthine biosensor: xanthine oxidase modified carbon film and multi-walled carbon nanotube/carbon film electrodes. Analytical and Bioanalytical Chemistry, 2013, 405, 3813-3822.	3.7	41
68	Adsorptive stripping voltammetry of cobalt and nickel in flow systems at wall-jet electrodes. Electroanalysis, 1991, 3, 683-689.	2.9	40
69	In situ evaluation of anticancer drug methotrexateâ€“DNA interaction using a DNA-electrochemical biosensor and AFM characterization. Physical Chemistry Chemical Physics, 2011, 13, 5227.	2.8	39
70	In situ electrochemical evaluation of dsDNA interaction with the anticancer drug danusertib nitrenium radical product using the DNA-electrochemical biosensor. Bioelectrochemistry, 2016, 107, 50-57.	4.6	39
71	Amperometric and Voltammetric Detection in Batch Injection Analysis. Analytical Chemistry, 1994, 66, 3145-3150.	6.5	38
72	Voltammetric Behavior of Antileukemia Drug Glivec. Part III: In Situ DNA Oxidative Damage by the Glivec Electrochemical Metabolite. Electroanalysis, 2006, 18, 1963-1970.	2.9	38

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73	DNA â€“ Cyanobacterial Hepatotoxins Microcystinâ€LR and Nodularin Interaction: Electrochemical Evaluation. Electroanalysis, 2012, 24, 547-553.	2.9	38
74	Redox behaviour of G-quadruplexes. Electrochimica Acta, 2014, 126, 162-170.	5.2	38
75	Electrochemical and AFM evaluation of hazard compoundsâ€“DNA interaction. Electrochimica Acta, 2009, 54, 1978-1985.	5.2	37
76	In situ electrochemical evaluation of anticancer drug temozolomide and its metabolitesâ€“DNA interaction. Analytical and Bioanalytical Chemistry, 2013, 405, 3783-3790.	3.7	37
77	Electrochemical behaviour of 2,8-dihydroxyadenine at a glassy carbon electrode. Bioelectrochemistry, 2007, 70, 141-146.	4.6	36
78	Temozolomide chemical degradation to 5-aminoimidazole-4-carboxamide â€“ Electrochemical study. Journal of Electroanalytical Chemistry, 2013, 704, 183-189.	3.8	36
79	Amyloidâ€“Î² peptides time-dependent structural modifications: AFM and voltammetric characterization. Analytica Chimica Acta, 2016, 926, 36-47.	5.4	36
80	DNA imaged on a HOPG electrode surface by AFM with controlled potential. Bioelectrochemistry, 2005, 66, 117-124.	4.6	35
81	Electroanalytical Oxidation ofpâ€Coumaric Acid. Analytical Letters, 2007, 40, 3309-3321.	1.8	35
82	Virgin olive oil ortho-phenolsâ€”electroanalytical quantification. Talanta, 2013, 105, 179-186.	5.5	35
83	Anodic Oxidation of Î±â€Lipoic Acid at a Glassy Carbon Electrode and Its Determination in Dietary Supplements. Analytical Letters, 2007, 40, 1763-1778.	1.8	34
84	Spectroscopic and electrochemical studies of cocaineâ€“opioid interactions. Analytical and Bioanalytical Chemistry, 2007, 388, 1799-1808.	3.7	34
85	Electrochemical Redox Behavior of Omeprazole Using a Glassy Carbon Electrode. Electroanalysis, 2010, 22, 625-631.	2.9	34
86	Amyloid Beta Peptide VHHQ, KLVFF, and IIGLMVGGVV Domains Involved in Fibrilization: AFM and Electrochemical Characterization. Analytical Chemistry, 2018, 90, 2285-2292.	6.5	32
87	Bioelectrochemistry for sensing amino acids, peptides, proteins and DNA interactions. Current Opinion in Electrochemistry, 2019, 14, 173-179.	4.8	32
88	Properties of polyaniline formed at tin dioxide electrodes in weak acid solution: effect of the counterion. Journal of Applied Electrochemistry, 1993, 23, 332-338.	2.9	31
89	Thin-film gold electrodes produced by magnetron sputtering. Voltammetric characteristics and application in batch injection analysis with amperometric detection. Electroanalysis, 1997, 9, 209-212.	2.9	31
90	Electrochemical oxidation of bentazon at a glassy carbon electrodeApplication to the determination of a commercial herbicide. Talanta, 1998, 46, 1131-1135.	5.5	31

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91	Determination of mercury(ii) by invertase enzyme inhibition coupled with batch injection analysis. Analyst, The, 2002, 127, 1088-1093.	3.5	31
92	AFM and electroanalytical studies of synthetic oligonucleotide hybridization. Biosensors and Bioelectronics, 2004, 20, 933-944.	10.1	31
93	Chapter 20 DNA-electrochemical biosensors for investigating DNA damage. Comprehensive Analytical Chemistry, 2007, , 413-437.	1.3	31
94	Protein reducing agents dithiothreitol and tris(2-carboxyethyl)phosphine anodic oxidation. Electrochemistry Communications, 2012, 23, 114-117.	4.7	30
95	Triazoleâ€“acridine conjugates: Redox mechanisms and in situ electrochemical evaluation of interaction with double-stranded DNA. Bioelectrochemistry, 2013, 89, 50-56.	4.6	29
96	In situ evaluation of gemcitabineâ€“DNA interaction using a DNA-electrochemical biosensor. Bioelectrochemistry, 2014, 99, 40-45.	4.6	29
97	Electrochemical Analysis of Opiatesâ€”An Overview. Analytical Letters, 2004, 37, 831-844.	1.8	28
98	AFM nanometer surface morphological study of in situ electropolymerized neutral red redox mediator oxysilane solâ€“gel encapsulated glucose oxidase electrochemical biosensors. Biosensors and Bioelectronics, 2008, 24, 297-305.	10.1	28
99	In situ evaluation of chromiumâ€“DNA damage using a DNA-electrochemical biosensor. Analytical and Bioanalytical Chemistry, 2010, 398, 1633-1641.	3.7	28
100	Quadruplex Nanostructures of d(TGGGGT): Influence of Sodium and Potassium Ions. Analytical Chemistry, 2014, 86, 5851-5857.	6.5	28
101	Voltammetric determination of Î³ radiation-induced DNA damage. Analytical Biochemistry, 2006, 355, 39-49.	2.4	27
102	Redox mechanism of lumazine at a glassy carbon electrode. Journal of Electroanalytical Chemistry, 2010, 647, 1-7.	3.8	27
103	DNA Electrochemical Biosensors for In Situ Probing of Pharmaceutical Drug Oxidative DNA Damage. Sensors, 2021, 21, 1125.	3.8	27
104	Electrochemical determination of 8-oxoguanine in the presence of uric acid. Bioelectrochemistry, 2004, 63, 267-270.	4.6	26
105	Antineoplasic Drug Methotrexate Redox Mechanism Using a Glassy Carbon Electrode. Electroanalysis, 2012, 24, 917-923.	2.9	26
106	Direct Electrochemistry of Native and Denatured Anticancer Antibody Rituximab at a Glassy Carbon Electrode. Electroanalysis, 2013, 25, 1029-1034.	2.9	26
107	Electrochemistry of nanoscale DNA surface films on carbon. Medical Engineering and Physics, 2006, 28, 963-970.	1.7	25
108	Evaluation of the structureâ€“activity relationship of thrombin with thrombin binding aptamers by voltammetry and atomic force microscopy. Journal of Electroanalytical Chemistry, 2011, 656, 159-166.	3.8	25

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109	Batch injection analysis with adsorptive stripping voltammetry for the determination of traces of nickel and cobalt. Electroanalysis, 1996, 8, 639-642.	2.9	24
110	Reduction of Lapachones in Aqueous Media at a Glassy Carbon Electrode. Electroanalysis, 2002, 14, 29-34.	2.9	24
111	Electrochemical behaviour of dimethyl-2-oxoglutarate on glassy carbon electrode. Bioelectrochemistry, 2010, 77, 145-150.	4.6	24
112	Nucleoside analogue electrochemical behaviour and in situ evaluation of DNAâ€“clofarabine interaction. Bioelectrochemistry, 2012, 87, 3-8.	4.6	24
113	Pharmaceuticals released from senior residences: occurrence and risk evaluation. Environmental Science and Pollution Research, 2018, 25, 6095-6106.	5.3	24
114	Electrochemical and AFM Characterization of G-Quadruplex Electrochemical Biosensors and Applications. Journal of Nucleic Acids, 2018, 2018, 1-20.	1.2	24
115	Voltammetric and impedance studies of inosine-5â€²-monophosphate and hypoxanthine. Bioelectrochemistry, 2003, 59, 49-56.	4.6	23
116	Voltammetric Behavior of Antileukemia Drug Glivec. Part I â€“ Electrochemical Study of Glivec. Electroanalysis, 2006, 18, 1800-1807.	2.9	23
117	Immobilization of catalase on membranes of poly(ethylene)-g-co-acrylic acid and poly(tetrafluoroethylene)-g-co-acrylic acid and their application in hydrogen peroxide electrochemical sensors. Journal of Polymer Science Part A, 1991, 29, 269-274.	2.3	22
118	Atomic force microscopy and voltammetric characterisation of synthetic homo-oligodeoxynucleotides. Electrochimica Acta, 2013, 110, 599-607.	5.2	22
119	Electrochemical Oxidation of Sulfasalazine at a Glassy Carbon Electrode. Electroanalysis, 2014, 26, 924-930.	2.9	22
120	Electrochemical Oxidation of Berberine and of Its Oxidation Products at a Glassy Carbon Electrode. Electroanalysis, 2009, 21, 1027-1034.	2.9	21
121	Anodic behavior of clioquinol at a glassy carbon electrode. Bioelectrochemistry, 2011, 80, 175-181.	4.6	21
122	Electron Transfer Reactions in Biological Systems. , 2017, , .		21
123	Voltammetric Behavior of Antileukemia Drug Glivec. Part II â€“ Redox Processes of Glivec Electrochemical Metabolite. Electroanalysis, 2006, 18, 1808-1814.	2.9	20
124	Lipoic acidâ€“palladium complex interaction with DNA, voltammetric and AFM characterization. Talanta, 2009, 77, 1843-1853.	5.5	20
125	Electrochemical reduction mechanism of camptothecin at glassy carbon electrode. Bioelectrochemistry, 2010, 79, 173-178.	4.6	20
126	ELECTROANALYTICAL DETERMINATION OF CODEINE IN PHARMACEUTICAL PREPARATIONS. Analytical Letters, 2002, 35, 2487-2498.	1.8	19

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127	Electrochemical Oxidation Mechanisms of the Antioxidants Daidzein and 7â€Hydroxyâ€4â€chromone. Electroanalysis, 2012, 24, 618-626.	2.9	19
128	Reduction of lapachones and their reaction with l-cysteine and mercaptoethanol on glassy carbon electrodes. Bioelectrochemistry, 2002, 56, 53-55.	4.6	18
129	Immobilization of glucose oxidase on nylon membranes and its application in a flow-through glucose reactor. Journal of Polymer Science Part A, 1991, 29, 275-279.	2.3	17
130	Microcystin-LR and chemically degraded microcystin-LR electrochemical oxidation. Analyst, The, 2012, 137, 1904.	3.5	17
131	Electrochemical evaluation of glutathione S-transferase kinetic parameters. Bioelectrochemistry, 2015, 101, 46-51.	4.6	17
132	Bevacizumab anticancer monoclonal antibody: native and denatured redox behaviour. Electrochimica Acta, 2016, 206, 246-253.	5.2	17
133	Nanostructured materialâ€“based electrochemical sensing of oxidative DNA damage biomarkers 8-oxoguanine and 8-oxodeoxyguanosine: a comprehensive review. Mikrochimica Acta, 2021, 188, 58.	5.0	17
134	Transient measurements at the wall-jet ring disc electrode. Journal of Applied Electrochemistry, 1992, 22, 1011-1016.	2.9	16
135	Electrochemical Oxidation at a Glassy Carbon Electrode of the Antiâ€Arrhythmia Drug Disopyramide. Analytical Letters, 2007, 40, 2860-2871.	1.8	16
136	Metallo-functionalized first-generation salicylaldimine poly(propylenimine) tetraamine dendrimers: Electrochemical study and atomic force microscopy imaging. Electrochimica Acta, 2008, 53, 4907-4919.	5.2	16
137	Laponite RD/polystyrenesulfonate nanocomposites obtained by photopolymerization. Applied Clay Science, 2011, 53, 27-32.	5.2	16
138	Anodic Behaviour of Flavonoids Orientin, Eriodictyol and Robinin at a Glassy Carbon Electrode. Electroanalysis, 2012, 24, 1576-1583.	2.9	16
139	Calligonum polygonoides Linnaeus Extract: HPLCâ€EC and Total Antioxidant Capacity Evaluation. Electroanalysis, 2015, 27, 293-301.	2.9	16
140	In situ dsDNA-bevacizumab anticancer monoclonal antibody interaction electrochemical evaluation. Analytica Chimica Acta, 2015, 898, 28-33.	5.4	16
141	Calcium-induced calmodulin conformational change. Electrochemical evaluation. Bioelectrochemistry, 2017, 113, 69-78.	4.6	16
142	Phenolic Composition and Total Antioxidant Capacity by Electrochemical, Spectrophotometric and HPLCâ€EC Evaluation in Portuguese Red and White Wines. Electroanalysis, 2019, 31, 936-945.	2.9	16
143	Oxidative behaviour of apomorphine and its metabolites. Bioelectrochemistry, 2002, 55, 113-114.	4.6	15
144	Electrochemical Behavior of Thalidomide at a Glassy Carbon Electrode. Electroanalysis, 2008, 20, 2429-2434.	2.9	15

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145	Polynuclear palladium complexes with biogenic polyamines: AFM and voltammetric characterization. Bioelectrochemistry, 2010, 78, 97-105.	4.6	15
146	Thrombin-Binding Aptamer Quadruplex Formation: AFM and Voltammetric Characterization. Journal of Nucleic Acids, 2010, 2010, 1-8.	1.2	15
147	Atomic Force Microscopy and Voltammetric Investigation of Quadruplex Formation between a Triazole-Acridine Conjugate and Guanine-Containing Repeat DNA Sequences. Analytical Chemistry, 2015, 87, 6141-6149.	6.5	15
148	Guanine Quadruplex Electrochemical Aptasensors. Chemosensors, 2016, 4, 13.	3.6	15
149	Flavonoids in Selected Mediterranean Fruits: Extraction, Electrochemical Detection and Total Antioxidant Capacity Evaluation. Electroanalysis, 2017, 29, 358-366.	2.9	15
150	Electrochemistry of Alzheimer Disease Amyloid Beta Peptides. Current Medicinal Chemistry, 2018, 25, 4066-4083.	2.4	15
151	Synthetic oligonucleotides: AFM characterisation and electroanalytical studies. Bioelectrochemistry, 2005, 67, 181-190.	4.6	14
152	Electrochemical Redox Behaviour of Temozolomide Using a Glassy Carbon Electrode. Electroanalysis, 2010, 22, 2633-2640.	2.9	14
153	Isatin nitro-derivatives redox behaviour. Journal of Electroanalytical Chemistry, 2013, 689, 207-215.	3.8	14
154	Antidiabetic Drug Metformin Oxidation and in situ Interaction with dsDNA Using a dsDNAâ€electrochemical Biosensor. Electroanalysis, 2019, 31, 1977-1987.	2.9	14
155	Genotoxic permanent hair dye precursors p-aminophenol and p-toluenediamine electrochemical oxidation mechanisms and evaluation in biological fluids. Journal of Electroanalytical Chemistry, 2020, 857, 113509.	3.8	14
156	Wall jet electrodes: the importance of radial diffusion. Journal of Applied Electrochemistry, 1993, 23, 98.	2.9	13
157	An impedance study of the adsorption of nucleic acid bases at glassy carbon electrodes. Bioelectrochemistry, 2002, 56, 33-35.	4.6	13
158	Electrochemical and Spectroscopic Studies of the Oxidation Mechanism of the Herbicide Propanil. Journal of Agricultural and Food Chemistry, 2003, 51, 876-879.	5.2	13
159	Electrochemical Oxidation of Metolazone at a Glassy Carbon Electrode. Electroanalysis, 2008, 20, 2531-2536.	2.9	13
160	Anthocyanin Monitoring in Four Red Grape Skin Extract Varieties Using RPâ€HPLCâ€ED. Analytical Letters, 2008, 41, 662-675.	1.8	13
161	Interaction of imatinib with liposomes: Voltammetric and AFM characterization. Bioelectrochemistry, 2009, 74, 278-288.	4.6	13
162	Methoxylation and Glycosylation Effect on the Redox Mechanism of Citroflavones. Electroanalysis, 2012, 24, 1019-1026.	2.9	12

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163	In Situ Evaluation of the Anticancer Antibody Rituximabâ€dsDNA Interaction Using a DNAâ€Electrochemical Biosensor. Electroanalysis, 2014, 26, 1304-1311.	2.9	12
164	Time-dependent polyguanylic acid structural modifications. Electrochemistry Communications, 2014, 45, 71-74.	4.7	12
165	Antileishmanial Drug Miltefosineâ€dsDNA Interaction inâ€...situ Evaluation with a DNAâ€Electrochemical Biosensor. Electroanalysis, 2018, 30, 48-56.	2.9	12
166	In Situ Evaluation of Anticancer Monoclonal Antibody Nivolumabâ€DNA Interaction Using a DNAâ€Electrochemical Biosensor. ChemElectroChem, 2019, 6, 4608-4616.	3.4	12
167	Electrochemical Behavior of Triflusal, Aspirin and their Metabolites at Glassy Carbon and Boron Doped Diamond Electrodes. Combinatorial Chemistry and High Throughput Screening, 2010, 13, 569-577.	1.1	12
168	The determination of urea and carbamate herbicides using a wall jet electrode. Journal of Applied Electrochemistry, 1984, 14, 550-553.	2.9	11
169	The wall-jet ring-disc electrode: The measurement of homogeneous rate constants from steady state ring currents. Electroanalysis, 1991, 3, 631-636.	2.9	11
170	Electroanalytical Determination of Oxadiazon and Characterization of Its Base-Catalyzed Ring-Opening Products. Electroanalysis, 2001, 13, 199-203.	2.9	11
171	In Situ Sensing of DNA Damage by a Nitric Oxideâ€Releasing Compound. Analytical Letters, 2005, 38, 2525-2540.	1.8	11
172	Atomic Force Microscopy and Anodic Voltammetry Characterization of a 49-Mer Diels-Alderase Ribozyme. Analytical Chemistry, 2006, 78, 8256-8264.	6.5	11
173	Atomic force microscopy characterization of synthetic pyrimidinic oligodeoxynucleotides adsorbed onto an HOPG electrode under applied potential. Electrochimica Acta, 2006, 51, 5037-5045.	5.2	11
174	An Electrochemical Outlook on Tamoxifen Biotransformation: Current and Future Prospects. Current Drug Metabolism, 2011, 12, 372-382.	1.2	11
175	Anodic Oxidation of Cladribine and In Situ Evaluation of DNAâ€Cladribine Interaction. Electroanalysis, 2011, 23, 2651-2657.	2.9	11
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