JosÃ© Manuel DÃ-az-Cruz

List of Publications by Year
in descending order

180 papers	4,045 citations	117453 34 h-index	189595 50 g-index
184 all docs	184 docs citations	184 times ranked	2890 citing authors

#	Article	IF	Citations
1	Multivariate curve resolution with alternating least squares optimisation: a soft-modelling approach to metal complexation studies by voltammetric techniques. TrAC - Trends in Analytical Chemistry, 2000, 19, 49-61.	5.8	145
2	Voltammetric determination of metal ions beyond mercury electrodes. A review. Analytica Chimica Acta, 2017, 990, 11-53.	2.6	131
3	Chemometrics for the analysis of voltammetric data. TrAC - Trends in Analytical Chemistry, 2006, 25, 86-92.	5.8	129
4	Coating methods, modifiers and applications of bismuth screen-printed electrodes. TrAC - Trends in Analytical Chemistry, 2013, 46, 15-29.	5.8	111
5	Antimony film screen-printed carbon electrode for stripping analysis of Cd(II), Pb(II), and Cu(II) in natural samples. Analytica Chimica Acta, 2015, 855, 34-40.	2.6	95
6	Antimony- based electrodes for analytical determinations. TrAC - Trends in Analytical Chemistry, 2016, 77, 203-213.	5.8	84
7	New approaches to antimony film screen-printed electrodes using carbon-based nanomaterials substrates. Analytica Chimica Acta, 2016, 916, 17-23.	2.6	66
8	Glutathione modified screen-printed carbon nanofiber electrode for the voltammetric determination of metal ions in natural samples. Talanta, 2016, 155, 8-13.	2.9	64
9	Simultaneous determination of hydroquinone, catechol and resorcinol by voltammetry using graphene screen-printed electrodes and partial least squares calibration. Talanta, 2016, 160, 138-143.	2.9	62
10	Application of multivariate curve resolution to voltammetric data. Part 1. Study of Zn(II) complexation with some polyelectrolytes. Journal of Electroanalytical Chemistry, 1995, 393, 7-16.	1.9	59
11	Stripping voltammetry of metal complexes: interferences from adsorption onto cell components. Analytical Chemistry, 1992, 64, 1769-1776.	3.2	58
12	Differential pulse voltammetric study of the complexation of Cd(II) by the phytochelatin (Î³-Gluî—¸Cys)2Gly assisted by multivariate curve resolution. Journal of Electroanalytical Chemistry, 2002, 520, 111-118.	1.9	57
13	Evaluation of a highly sensitive amperometric biosensor with low cholinesterase charge immobilized on a chemically modified carbon paste electrode for trace determination of carbamates in fruit, vegetable and water samples. Analytica Chimica Acta, 1999, 399, 37-49.	2.6	55
14	Heavy Metal Binding by Tannic Acid: A Voltammetric Study. Electroanalysis, 2000, 12, 1130-1137.	1.5	55
15	Sputtered bismuth screen-printed electrode: A promising alternative to other bismuth modifications in the voltammetric determination of Cd(II) and Pb(II) ions in groundwater. Talanta, 2014, 119, 348-352.	2.9	51
16	Voltammetry Assisted by Multivariate Analysis as a Tool for Speciation of Metallothioneins:Â Competitive Complexation of Î±- and Î²-Metallothionein Domains with Cadmium and Zinc. Environmental Science & Technology, 2003, 37, 5609-5616.	4.6	49
17	Evaluation of Mercury Stress in Plants from the AlmadÃ©n Mining District by Analysis of Phytochelatins and Their Hg Complexes. Environmental Science & Technology, 2014, 48, 6256-6263.	4.6	49
18	An elegant technology for ultrasensitive impedimetric and voltammetric determination of cholestanol based on a novel molecularly imprinted electrochemical sensor. Chemistry and Physics of Lipids, 2020, 229, 104895.	1.5	49

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19	Commercial Screen-Printed Electrodes Based on Carbon Nanomaterials for a Fast and Cost-Effective Voltammetric Determination of Paracetamol, Ibuprofen and Caffeine in Water Samples. Sensors, 2019, 19, 4039.	2.1	47
20	Ex situ Deposited Bismuth Film on Screenâ€Printed Carbon Electrode: A Disposable Device for Stripping Voltammetry of Heavy Metal Ions. Electroanalysis, 2010, 22, 1460-1467.	1.5	46
21	Complexation of Heavy Metals by Phytochelatins:Â Voltammetric Study of the Binding of Cd2+and Zn2+Ions by the Phytochelatin (Î³-Glu-Cys)3Gly Assisted by Multivariate Curve Resolution. Environmental Science & Technology, 2005, 39, 778-786.	4.6	45
22	A screen-printed voltammetric electronic tongue for the analysis of complex mixtures of metal ions. Sensors and Actuators B: Chemical, 2017, 250, 393-401.	4.0	45
23	Chemometrics in Electroanalytical Chemistry. Critical Reviews in Analytical Chemistry, 2006, 36, 295-313.	1.8	44
24	Ag Nanoparticles Drop-Casting Modification of Screen-Printed Electrodes for the Simultaneous Voltammetric Determination of Cu(II) and Pb(II). Sensors, 2017, 17, 1458.	2.1	44
25	Induced reactant adsorption in metalâ€"polyelectrolyte systems: pulse polarographic study. Analytica Chimica Acta, 1992, 268, 261-274.	2.6	43
26	Stripping analysis of heavy metals in tap water using the bismuth film electrode. Analytical and Bioanalytical Chemistry, 2010, 396, 1365-1369.	1.9	42
27	Soft- and Hard-Modeling Approaches for the Determination of Stability Constants of Metalâ€“Peptide Systems by Voltammetry. Analytical Biochemistry, 2000, 279, 189-201.	1.1	41
28	Thermodynamics of Cd2+ and Zn2+ binding by the phytochelatin (Î³-Glu-Cys)4-Gly and its precursor glutathione. Analytical Biochemistry, 2008, 375, 82-89.	1.1	41
29	Differential pulse polarographic study of the Pb(II) complexation by glutathione. Journal of Electroanalytical Chemistry, 2001, 516, 110-118.	1.9	39
30	Potential shift correction in multivariate curve resolution of voltammetric data. General formulation and application to some experimental systems. Analyst, The, 2008, 133, 112-125.	1.7	38
31	Competitive Binding of Cd and Zn with the Phytochelatin (Î³-Glu-Cys)₄-Gly: Comparative Study by Mass Spectrometry, Voltammetry-Multivariate Curve Resolution, and Isothermal Titration Calorimetry. Environmental Science & Technology, 2008, 42, 2860-2866.	4.6	38
32	Penicillamine-modified sensor for the voltammetric determination of Cd(II) and Pb(II) ions in natural samples. Talanta, 2015, 144, 569-573.	2.9	38
33	Stripping Chronopotentiometry in Environmental Analysis. Electroanalysis, 2007, 19, 2039-2049.	1.5	36
34	Adsorptive accumulation in constant current stripping chronopotentiometry as an alternative for the electrochemical study of metal complexation by thiol-containing peptides. Journal of Electroanalytical Chemistry, 2006, 591, 105-117.	1.9	35
35	Combined use of the potential shift correction and the simultaneous treatment of spectroscopic and electrochemical data by multivariate curve resolution: analysis of a Pb(ii)â€“phytochelatin system. Analyst, The, 2008, 133, 470.	1.7	34
36	Multivariate curve resolution applied to the simultaneous analysis of electrochemical and spectroscopic data: Study of the Cd(II)/glutathione-fragment system by voltammetry and circular dichroism spectroscopy. Analytica Chimica Acta, 2007, 584, 403-409.	2.6	33

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37	Determination of Sb(III) using an ex-situ bismuth screen-printed carbon electrode by adsorptive stripping voltammetry. Talanta, 2016, 155, 21-27.	2.9	33
38	Multivariate curve resolution of polarographic data applied to the study of the copper-binding ability of tannic acid. Analytica Chimica Acta, 2000, 424, 203-209.	2.6	32
39	Implementation of a chemical equilibrium constraint in the multivariate curve resolution of voltammograms from systems with successive metal complexes. Analyst, The, 2001, 126, 371-377.	1.7	32
40	Polarography and stripping voltammetry of metal-polycarboxylate complexes: Complexes of cadmium and zinc with polyacrylic and polymethacrylic acids. Electroanalysis, 1991, 3, 299-307.	1.5	30
41	Voltammetric Analysis of Heterogeneity in Metal Ion Binding by Humics. Environmental Science & Technology, 2001, 35, 1097-1102.	4.6	30
42	Binding of Cd2+ and Zn2+ with the Phytochelatin (Î³-Glu-Cys)4-Gly: A Voltammetric Study Assisted by Multivariate Curve Resolution and Electrospray Ionization Mass Spectrometry. Electroanalysis, 2007, 19, 310-317.	1.5	30
43	Parametric signal fitting by gaussian peak adjustment: A new multivariate curve resolution method for non-bilinear voltammetric measurements. Analytica Chimica Acta, 2011, 689, 198-205.	2.6	30
44	Characterization and classification of Spanish paprika (Capsicum annuum L.) by liquid chromatography coupled to electrochemical detection with screen-printed carbon-based nanomaterials electrodes. Talanta, 2018, 189, 296-301.	2.9	30
45	Circular Dichroism and Voltammetry, Assisted by Multivariate Curve Resolution, and Mass Spectrometry of the Competitive Metal Binding by Phytochelatin PC₅. Analytical Chemistry, 2010, 82, 9006-9013.	3.2	29
46	Non-linear multivariate curve resolution analysis of voltammetric pH titrations. Analyst, The, 2010, 135, 1653.	1.7	29
47	Simultaneous determination of Tl(I) and In(III) using a voltammetric sensor array. Sensors and Actuators B: Chemical, 2017, 245, 18-24.	4.0	29
48	Protolytic control in stripping voltammetric titrations of metalâ€"polyacid complexes. Analytica Chimica Acta, 1992, 264, 163-175.	2.6	28
49	Comparison of constant-current stripping chronopotentiometry and anodic stripping voltammetry in metal speciation studies using mercury drop and film electrodes. Journal of Electroanalytical Chemistry, 2003, 560, 105-116.	1.9	28
50	Voltammetric Electronic Tongues in Food Analysis. Sensors, 2019, 19, 4261.	2.1	28
51	Binding of Hg²⁺ with Phytochelatins: Study by Differential Pulse Voltammetry on Rotating Au-Disk Electrode, Electrospray Ionization Mass-Spectrometry, and Isothermal Titration Calorimetry. Environmental Science & Technology, 2009, 43, 7010-7015.	4.6	27
52	Chemometrics applied to the analysis of induced phytochelatins in Hordeum vulgare plants stressed with various toxic non-essential metals and metalloids. Talanta, 2014, 118, 201-209.	2.9	27
53	Bismuth film electrodes for the study of metal thiolate complexation: An alternative to mercury electrodes. Talanta, 2009, 78, 1017-1022.	2.9	26
54	Polarography and anodic stripping voltammetry of metalâ€"polycarboxylate complexes: phenomenological relationship between limiting currents and hydrodynamic mass transport. Journal of Electroanalytical Chemistry, 1992, 333, 33-45.	1.9	25

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55	Induced reactant adsorption in normal pulse polarography of labile metal polyelectrolyte systems part 1. Study of current-potential relationship assuming potential-independent adsorption parameters. Journal of Electroanalytical Chemistry, 1992, 326, 299-316.	1.9	25
56	Multivariate curve resolution analysis of voltammetric data obtained at different time windows: study of the system Cd2+â€“nitrilotriacetic acid. Analytica Chimica Acta, 1998, 371, 23-37.	2.6	25
57	Soft modelling approach applied to voltammetric data: study of electrochemically labile metalâ€“glycine complexes. Journal of Electroanalytical Chemistry, 2001, 505, 44-53.	1.9	25
58	Multivariate Resolution of Coeluted Peaks in Hyphenated Liquid Chromatography - Linear Sweep Voltammetry. Electroanalysis, 2003, 15, 499-508.	1.5	25
59	Full-wave analysis of stripping chronopotentiograms at scanned deposition potential (SSCP) as a tool for heavy metal speciation: Theoretical development and application to Cd(II)-phthalate and Cd(II)-iodide systems. Journal of Electroanalytical Chemistry, 2007, 600, 275-284.	1.9	25
60	Enhanced voltammetric determination of metal ions by using a bismuthene-modified screen-printed electrode. Electrochimica Acta, 2020, 362, 137144.	2.6	25
61	Phosphorene and other layered pnictogens as a new source of 2D materials for electrochemical sensors. TrAC - Trends in Analytical Chemistry, 2021, 139, 116249.	5.8	25
62	Voltammetry of labile metal-macromolecular systems for any ligand-to-metal ratio, including adsorption phenomena. The role of the stability constant. Journal of Electroanalytical Chemistry, 1994, 374, 223-234.	1.9	24
63	Soft modelling for the resolution of highly overlapped voltammetric peaks: application to some Pb-phytochelatin systems. Talanta, 2007, 71, 344-352.	2.9	24
64	Study of the Hg2+ binding with chelation therapy agents by differential pulse voltammetry on rotating Au-disk electrode and electrospray ionization mass-spectrometry. Analytica Chimica Acta, 2009, 653, 77-85.	2.6	24
65	Recent contributions to the study of phytochelatins with an analytical approach. TrAC - Trends in Analytical Chemistry, 2015, 73, 129-145.	5.8	23
66	Comparison of voltammetric detection assisted by multivariate curve resolution with amperometric detection in liquid chromatographic analysis of cysteine-containing compounds. Journal of Chromatography A, 2005, 1062, 95-101.	1.8	22
67	Signal splitting in the stripping analysis of heavy metals using bismuth film electrodes: Influence of concentration range and deposition parameters. Electrochimica Acta, 2008, 53, 6616-6622.	2.6	22
68	Study of Cd2+ complexation by the glutathione fragments Cysâ€“Gly (CG) and Î³-Gluâ€“Cys (Î³-EC) by differential pulse polarography. Analyst, The, 2002, 127, 401.	1.7	21
69	Binding of Hg2+ by Cys, Cys-Gly and reduced glutathione: Study by differential pulse voltammetry on rotating Au-disk electrode, electrospray ionization mass-spectrometry and isothermal titration calorimetry. Journal of Electroanalytical Chemistry, 2010, 644, 20-24.	1.9	21
70	Electrochemical survey of the chain length influence in phytochelatins competitive binding by cadmium. Analytical Biochemistry, 2010, 406, 61-69.	1.1	21
71	Cadmium binding in mixtures of phytochelatins and their fragments: A voltammetric study assisted by multivariate curve resolution and mass spectrometry. Analyst, The, 2010, 135, 86-95.	1.7	21
72	Carbon nanotubes and graphene modified screen-printed carbon electrodes as sensitive sensors for the determination of phytochelatins in plants using liquid chromatography with amperometric detection. Journal of Chromatography A, 2015, 1409, 210-217.	1.8	21

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73	Selenocystine modified screen-printed electrode as an alternative sensor for the voltammetric determination of metal ions. Talanta, 2017, 175, 501-506.	2.9	21
74	Methods for Extraction of Muscle Proteins from Meat and Fish Using Denaturing and Nondenaturing Solutions. Journal of Food Quality, 2018, 2018, 1-9.	1.4	21
75	Determination of HPLC-UV Fingerprints of Spanish Paprika (Capsicum annuum L.) for Its Classification by Linear Discriminant Analysis. Sensors, 2018, 18, 4479.	2.1	20
76	Induced reactant adsorption in normal pulse polarography of labile metal + polyelectrolyte systems. Journal of Electroanalytical Chemistry, 1992, 328, 271-285.	1.9	19
77	Voltammetry of Cu(II) in the presence of polymethacrylate. Analytica Chimica Acta, 1993, 273, 289-296.	2.6	19
78	Voltammetry of metal ionâ€"macromolecule interactions: Application to speciation problems. TrAC - Trends in Analytical Chemistry, 1993, 12, 276-286.	5.8	19
79	Asymmetric logistic peak as a suitable function for the resolution of highly asymmetric voltammograms in non-bilinear systems. Analyst, The, 2011, 136, 4696.	1.7	19
80	Analysis of phytochelatins and Hg-phytochelatin complexes inHordeum vulgareplants stressed with Hg and Cd: HPLC study with amperometric detection. International Journal of Environmental Analytical Chemistry, 2014, 94, 668-678.	1.8	19
81	Exâ€situ Antimony Screenâ€printed Carbon Electrode for Voltammetric Determination of Ni(II)â€ions in Wastewater. Electroanalysis, 2016, 28, 640-644.	1.5	19
82	From cysteine to longer chain thiols: thermodynamic analysis of cadmium binding by phytochelatins and their fragments. Metallomics, 2011, 3, 838.	1.0	18
83	Determination of Pd(II) using an antimony film coated on a screen-printed electrode by adsorptive stripping voltammetry. Talanta, 2017, 167, 1-7.	2.9	18
84	Voltammetry of labile metalâ€"complex systems with induced reactant adsorption. Theoretical analysis for any ligand-to-metal ratio. Journal of Electroanalytical Chemistry, 1993, 360, 1-25.	1.9	17
85	A novel differential pulse voltammetric method on rotating Au-disk electrode for the study of Hg2+ binding. Journal of Electroanalytical Chemistry, 2009, 629, 169-179.	1.9	17
86	Liquid chromatographic analysis of Hg(II) binding by thiol-rich peptides using both UVâ€"vis and electrochemical detection. Journal of Chromatography A, 2009, 1216, 6752-6757.	1.8	17
87	Phytochelatin synthesis in response to Hg uptake in aquatic plants near a chlor-alkali factory. Chemosphere, 2017, 176, 74-80.	4.2	17
88	Screen-printed electrodes modified with green-synthesized gold nanoparticles for the electrochemical determination of aminothiols. Journal of Electroanalytical Chemistry, 2019, 847, 113184.	1.9	17
89	Dimethylglyoxime modified screen-printed electrodes for nickel determination. Journal of Electroanalytical Chemistry, 2019, 839, 83-89.	1.9	17
90	Electroanalysis from the past to the twenty-first century: challenges and perspectives. Journal of Solid State Electrochemistry, 2020, 24, 2653-2661.	1.2	17

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91	Determination of Trace Levels of Nickel(II) by Adsorptive Stripping Voltammetry Using a Disposable and Low-Cost Carbon Screen-Printed Electrode. Chemosensors, 2021, 9, 94.	1.8	17
92	Comparison of the zincâ€“cadmium exchange properties of the metallothionein related peptide {Lysâ€“Cysâ€“Thrâ€“Cysâ€“Cysâ€“Ala} and a zinc-containing metallothionein: study by voltammetry and multivariate curve resolution. Journal of Electroanalytical Chemistry, 2002, 523, 114-125.	1.9	16
93	Constant Current Stripping Chronopotentiometry for the Study of Adsorbing Inert and Electrochemically Nonreversible Metal Complexes at Low Concentrations: Application to Cd and Zn Metallothioneins. Electroanalysis, 2006, 18, 169-176.	1.5	16
94	Bismuth Film Electrode in Metal Complexation Studies: Stripping Analysis of the Pb(II)â€‚ Cd(II)â€‚ and Zn(II)â€Binding with Phthalate. Electroanalysis, 2009, 21, 431-438.	1.5	16
95	Influence of the counterion concentration on the formation constants of some metal/polycarboxylate complexes: Study by differential pulse anodic stripp. Biophysical Chemistry, 1992, 45, 109-117.	1.5	15
96	Voltammetry of metal ions in mixtures of ligands Part II: Application to successive labile complexes. Journal of Electroanalytical Chemistry, 1997, 432, 243-251.	1.9	15
97	Voltammetry of metal ions in mixtures of ligands Part I. Theoretical formulation and application to 1:1 labile complexes. Journal of Electroanalytical Chemistry, 1997, 431, 99-110.	1.9	15
98	Voltammetry of sparingly soluble metal complexes: a differential pulse polarographic study of the Zn(II)+oxalate system. Journal of Electroanalytical Chemistry, 1999, 475, 99-106.	1.9	15
99	Voltammetric Determination of Pb(II) and Cd(II) Ions in Well Water Using a Sputtered Bismuth Screenâ€Printed Electrode. Electroanalysis, 2014, 26, 2168-2172.	1.5	15
100	Authentication of paprika using HPLC-UV fingerprints. LWT - Food Science and Technology, 2020, 124, 109153.	2.5	15
101	Voltammetric Soft Modelling Approach for Systems with Both Electrochemically Labile and Inert Complexes: the Zn-Glycine Case. Electroanalysis, 2001, 13, 1405-1410.	1.5	14
102	Comparison of Voltammetry Assisted by Multivariate Analysis with EXAFS as Applied to the Study of Cd- and Zn-Binding of Metallothionein Related Peptides. Electroanalysis, 2002, 14, 899.	1.5	14
103	Commercial Screenâ€Printed Gold Electrodes for the Detection and Quantification of Aminothiols in Human Plasma by Liquid Chromatography with Electrochemical Detection. Electroanalysis, 2014, 26, 581-587.	1.5	14
104	First application of carbon-based screen-printed electrodes for the voltammetric determination of the organic UV filters oxybenzone and octocrylene. Talanta, 2019, 196, 381-388.	2.9	14
105	Characterization of Hg(II) binding with different length phytochelatins using liquid chromatography and amperometric detection. Analytica Chimica Acta, 2011, 695, 51-57.	2.6	13
106	Can bismuth film screen printed carbon electrodes be used to study complexation?. Talanta, 2013, 107, 356-360.	2.9	13
107	Suitability of Polystyrene for Voltammetric Cells: A Differential Pulse Anodic Stripping Voltammetric Study. Analytical Chemistry, 1994, 66, 1548-1551.	3.2	12
108	Electroanalytical and isothermal calorimetric study of As(III) complexation by the metal poisoning remediators, 2,3-dimercapto-1-propanesulfonate and meso-2,3-dimercaptosuccinic acid. Analytica Chimica Acta, 2012, 746, 47-52.	2.6	12

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109	Substitution of Mercury Electrodes by Bismuth-Coated Screen-Printed Electrodes in the Determination of Quinine in Tonic Water. Journal of Chemical Education, 2013, 90, 1681-1684.	1.1	12
110	Competitive binding of cadmium by plant thiols: an electrochemical study assisted by multivariate curve resolution. Analytical and Bioanalytical Chemistry, 2009, 394, 1137-1145.	1.9	11
111	Complexation of Hg²⁺ with Î±â€Lipoic and Dihydrolipoic Acids: Study by Differential Pulse Voltammetry on Rotating Auâ€Disk Electrode and ESIâ€MS. Electroanalysis, 2010, 22, 177-184.	1.5	11
112	Chemometrics in Electroanalysis. Monographs in Electrochemistry, 2019, , .	0.2	11
113	Discrimination of Beers by Cyclic Voltammetry Using a Single Carbon Screenâ€printed Electrode. Electroanalysis, 2021, 33, 864-872.	1.5	11
114	Multivariate curve resolution as a tool to minimize the effects of electrodic adsorption in normal pulse voltammetry. Electrochimica Acta, 2008, 53, 5579-5586.	2.6	10
115	Chemometrics in Electrochemistry. , 2009, , 425-458.		10
116	Multivariate standard addition for the analysis of overlapping voltammetric signals in the presence of matrix effects: Application to the simultaneous determination of hydroquinone and catechol. Chemometrics and Intelligent Laboratory Systems, 2018, 178, 32-38.	1.8	10
117	New discrimination tools for harvest year and varieties of white wines based on hydrophilic interaction liquid chromatography with amperometric detection. Talanta, 2019, 201, 104-110.	2.9	10
118	Semi-empirical full-wave expression for induced reactant adsorption in normal pulse polarography of labile metalâ€"polyelectrolyte systems. Analytica Chimica Acta, 1993, 273, 297-304.	2.6	9
119	Polarography and stripping voltammetry of metal-polycarboxylate complexes: The Cu(II)-polyacrylate system. Electroanalysis, 1993, 5, 677-684.	1.5	9
120	Differential Pulse Polarography of the Zn2+ Complexation by Glutathione Fragments Cys-Gly and gamma-Glu-Cys. Electroanalysis, 2003, 15, 1177-1184.	1.5	9
121	Possibilities of multivariate curve resolution and partial least squares in the resolution of coeluted peaks in liquid chromatography with electrochemical detection. Chemometrics and Intelligent Laboratory Systems, 2008, 93, 49-57.	1.8	9
122	Electroanalysis of the binding and adsorption of Hg2+ with seleno aminoacids by differential pulse and elimination voltammetry at the Au-disk electrode. Electrochimica Acta, 2011, 56, 5988-5992.	2.6	9
123	Parametric Signal Fitting by Gaussian Peak Adjustment: implementation of 2D transversal constraints and its application for the determination of pKa and complexation constants by differential pulse voltammetry. Analyst, The, 2013, 138, 2171.	1.7	9
124	Parametric signal fitting of highly asymmetric voltammograms by using the exponentially modified Gaussian (EMG) function. Chemometrics and Intelligent Laboratory Systems, 2016, 152, 80-87.	1.8	9
125	Voltammetric Determination of Anti-Hypertensive Drug Hydrochlorothiazide Using Screen-Printed Electrodes Modified with L-Glutamic Acid. Chemosensors, 2017, 5, 25.	1.8	9
126	Expanding the possibilities of electrografting modification of voltammetric sensors through two complementary strategies. Electrochimica Acta, 2019, 319, 878-884.	2.6	9

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127	Antimony nanomaterials modified screen-printed electrodes for the voltammetric determination of metal ions. Electrochimica Acta, 2022, 425, 140690.	2.6	9
128	Polarography and differential pulse anodic stripping voltammetry of Pb(II)/polycarboxylate complexes. Journal of Electroanalytical Chemistry, 1993, 344, 119-134.	1.9	8
129	Voltammetry of metal ions in mixtures of ligands. Journal of Electroanalytical Chemistry, 1998, 453, 151-159.	1.9	8
130	Three-Dimensional Voltammetric Study on the Applicability of Leden Functions to the Analysis of Nonlabile Complexes: The Cd(II)-NTA System. Electroanalysis, 1999, 11, 93-100.	1.5	8
131	Determination of complex formation constants by phase sensitive alternating current polarography: Cadmiumâ€“polymethacrylic acid and cadmiumâ€“polygalacturonic acid. Talanta, 2007, 73, 776-782.	2.9	8
132	Chronoamperometric and Voltammetric Characterization of Gold Ultramicroelectrode Arrays. Electroanalysis, 2007, 19, 429-435.	1.5	8
133	Voltammetric Analysis of Phytochelatin Complexation in Ternary Metal Mixtures Supported by Multivariate Analysis and ESIâ€MS. Electroanalysis, 2012, 24, 309-315.	1.5	8
134	A Voltammetric Electronic Tongue Based on Commercial Screenâ€printed Electrodes for the Analysis of Aminothiols by Differential Pulse Voltammetry. Electroanalysis, 2017, 29, 1559-1565.	1.5	8
135	A new multivariate standard addition strategy for stripping voltammetric electronic tongues: Application to the determination of Tl(I) and In(III) in samples with complex matrices. Talanta, 2019, 192, 147-153.	2.9	8
136	Simultaneous determination of iron and copper using screen-printed carbon electrodes by adsorptive stripping voltammetry with o-phenanthroline. Microchemical Journal, 2022, 179, 107597.	2.3	8
137	Anodic Stripping Voltammetry of Metal Ions in Mixtures of Ligands. Electroanalysis, 1998, 10, 417-422.	1.5	7
138	Phase Sensitive Alternating Current Polarography: A Chemometric Approach for the Selection of Phase Angles. Electroanalysis, 2006, 18, 2405-2412.	1.5	7
139	Integration of Commercial Screenâ€printed Electrodes into a Voltammetric Electronic Tongue for the Analysis of Aminothiols. Electroanalysis, 2016, 28, 1570-1577.	1.5	7
140	MCR-ALS of voltammetric data for the study of environmentally relevant substances. Microchemical Journal, 2020, 158, 105177.	2.3	7
141	Voltammetric metal speciation in mixtures of inert and labile macromolecular complexes at any ligand-to-metal ratio: differential pulse polarographic study of the Zn(II)â€“nitrilotriacetateâ€“polymethacrylate system. Journal of Electroanalytical Chemistry, 1999, 462, 157-173.	1.9	6
142	Heterogeneity of Cd(II)-Macromolecule Systems: A Potentiometric Study. Electroanalysis, 2000, 12, 60-65.	1.5	6
143	Combination of chemometrically assisted voltammetry, calorimetry, and circular dichroism as a new method for the study of bioinorganic substances: application to selenocystine metal complexes. Journal of Biological Inorganic Chemistry, 2012, 17, 321-329.	1.1	6
144	Study of the Complexation of Pb(II) with mesoâ€2,3â€Dimercaptosuccinic Acid (DMSA) and 2,3â€Dimercaptoâ€1â€propanesulfonic acid (DMPS) Using a Bismuthâ€Bulk Rotating Disk Electrode. Electroanalysis, 2014, 26, 1912-1919.	1.5	6

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145	A Chemically-Bound Glutathione Sensor Bioinspired by the Defense of Organisms against Heavy Metal Contamination: Optimization of the Immobilization Conditions. Chemosensors, 2017, 5, 12.	1.8	6
146	Screen-Printed Electrodes for the Voltammetric Sensing of Benzotriazoles in Water. Sensors, 2020, 20, 1839.	2.1	6
147	Voltammetric Determination of Active Pharmaceutical Ingredients Using Screen-Printed Electrodes. Chemosensors, 2022, 10, 95.	1.8	6
148	Voltammetric study of some macromolecule â€•metal complexes. Makromolekulare Chemie Macromolecular Symposia, 1992, 59, 297-312.	0.6	5
149	Minimization of Electrode Adsorption Effects: The Cadmiumâ€“Humic Acid System Studied by Phase Sensitive Alternating Current Polarography. Electroanalysis, 2006, 18, 1215-1222.	1.5	5
150	Mercury Films on Commercial Carbon Screenâ€Printed Devices for the Analysis of Heavy Metal Ions: a Critical Evaluation. Electroanalysis, 2015, 27, 1345-1349.	1.5	5
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