

Miquel Esteban

List of Publications by Year in descending order

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207
papers

4,596
citations

109137

35
h-index

174990

52
g-index

213
all docs

213
docs citations

213
times ranked

2957
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. <i>TrAC - Trends in Analytical Chemistry</i> , 2000, 19, 49-61.	5.8	145
2	Voltammetric determination of metal ions beyond mercury electrodes. A review. <i>Analytica Chimica Acta</i> , 2017, 990, 11-53.	2.6	131
3	Chemometrics for the analysis of voltammetric data. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 86-92.	5.8	129
4	Coating methods, modifiers and applications of bismuth screen-printed electrodes. <i>TrAC - Trends in Analytical Chemistry</i> , 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. <i>Analytica Chimica Acta</i> , 2015, 855, 34-40.	2.6	95
6	Antimony- based electrodes for analytical determinations. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 77, 203-213.	5.8	84
7	Cadmium-binding properties of glutathione: A chemometrical analysis of voltammetric data. <i>Journal of Inorganic Biochemistry</i> , 1997, 66, 29-36.	1.5	77
8	Application of Multivariate Curve Resolution to Voltammetric Data. <i>Analytical Biochemistry</i> , 1996, 240, 134-141.	1.1	74
9	New approaches to antimony film screen-printed electrodes using carbon-based nanomaterials substrates. <i>Analytica Chimica Acta</i> , 2016, 916, 17-23.	2.6	66
10	Glutathione modified screen-printed carbon nanofiber electrode for the voltammetric determination of metal ions in natural samples. <i>Talanta</i> , 2016, 155, 8-13.	2.9	64
11	Simultaneous determination of hydroquinone, catechol and resorcinol by voltammetry using graphene screen-printed electrodes and partial least squares calibration. <i>Talanta</i> , 2016, 160, 138-143.	2.9	62
12	Application of multivariate curve resolution to voltammetric data. Part 1. Study of Zn(II) complexation with some polyelectrolytes. <i>Journal of Electroanalytical Chemistry</i> , 1995, 393, 7-16.	1.9	59
13	Stripping voltammetry of metal complexes: interferences from adsorption onto cell components. <i>Analytical Chemistry</i> , 1992, 64, 1769-1776.	3.2	58
14	Study of the zinc-binding properties of glutathione by differential pulse polarography and multivariate curve resolution. <i>Journal of Inorganic Biochemistry</i> , 1998, 70, 91-98.	1.5	58
15	Differential pulse voltammetric study of the complexation of Cd(II) by the phytochelatin (γ -Glu-Cys) ₂ Gly assisted by multivariate curve resolution. <i>Journal of Electroanalytical Chemistry</i> , 2002, 520, 111-118.	1.9	57
16	Heavy Metal Binding by Tannic Acid: A Voltammetric Study. <i>Electroanalysis</i> , 2000, 12, 1130-1137.	1.5	55
17	Multivariate Curve Resolution: A Possible Tool in the Detection of Intermediate Structures in Protein Folding. <i>Biophysical Journal</i> , 1998, 74, 2876-2888.	0.2	53
18	Multivariate Curve Resolution of Cyclic Voltammetric Data: Application to the Study of the Cadmium-Binding Properties of Glutathione. <i>Analytical Chemistry</i> , 1999, 71, 4629-4636.	3.2	53

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19	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. <i>Talanta</i> , 2014, 119, 348-352.	2.9	51
20	Voltammetry Assisted by Multivariate Analysis as a Tool for Speciation of Metallothioneins: A Competitive Complexation of \hat{I}^{\pm} - and \hat{I}^2 -Metallothionein Domains with Cadmium and Zinc. <i>Environmental Science & Technology</i> , 2003, 37, 5609-5616.	4.6	49
21	Evaluation of Mercury Stress in Plants from the Almad�n Mining District by Analysis of Phytochelatin and Their Hg Complexes. <i>Environmental Science & Technology</i> , 2014, 48, 6256-6263.	4.6	49
22	Ex situ Deposited Bismuth Film on Screen-Printed Carbon Electrode: A Disposable Device for Stripping Voltammetry of Heavy Metal Ions. <i>Electroanalysis</i> , 2010, 22, 1460-1467.	1.5	46
23	Complexation of Heavy Metals by Phytochelatin: A Voltammetric Study of the Binding of Cd ²⁺ and Zn ²⁺ Ions by the Phytochelatin (\hat{I}^3 -Glu-Cys) ₃ Gly Assisted by Multivariate Curve Resolution. <i>Environmental Science & Technology</i> , 2005, 39, 778-786.	4.6	45
24	A screen-printed voltammetric electronic tongue for the analysis of complex mixtures of metal ions. <i>Sensors and Actuators B: Chemical</i> , 2017, 250, 393-401.	4.0	45
25	Chemometrics in Electroanalytical Chemistry. <i>Critical Reviews in Analytical Chemistry</i> , 2006, 36, 295-313.	1.8	44
26	Ag Nanoparticles Drop-Casting Modification of Screen-Printed Electrodes for the Simultaneous Voltammetric Determination of Cu(II) and Pb(II). <i>Sensors</i> , 2017, 17, 1458.	2.1	44
27	Induced reactant adsorption in metal-polyelectrolyte systems: pulse polarographic study. <i>Analytica Chimica Acta</i> , 1992, 268, 261-274.	2.6	43
28	Stripping analysis of heavy metals in tap water using the bismuth film electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1365-1369.	1.9	42
29	Soft- and Hard-Modeling Approaches for the Determination of Stability Constants of Metal-Peptide Systems by Voltammetry. <i>Analytical Biochemistry</i> , 2000, 279, 189-201.	1.1	41
30	Thermodynamics of Cd ²⁺ and Zn ²⁺ binding by the phytochelatin (\hat{I}^3 -Glu-Cys) ₄ -Gly and its precursor glutathione. <i>Analytical Biochemistry</i> , 2008, 375, 82-89.	1.1	41
31	Differential pulse polarographic study of the Pb(II) complexation by glutathione. <i>Journal of Electroanalytical Chemistry</i> , 2001, 516, 110-118.	1.9	39
32	Potential shift correction in multivariate curve resolution of voltammetric data. General formulation and application to some experimental systems. <i>Analyst</i> , 2008, 133, 112-125.	1.7	38
33	Competitive Binding of Cd and Zn with the Phytochelatin (\hat{I}^3 -Glu-Cys) ₄ -Gly: Comparative Study by Mass Spectrometry, Voltammetry-Multivariate Curve Resolution, and Isothermal Titration Calorimetry. <i>Environmental Science & Technology</i> , 2008, 42, 2860-2866.	4.6	38
34	Penicillamine-modified sensor for the voltammetric determination of Cd(II) and Pb(II) ions in natural samples. <i>Talanta</i> , 2015, 144, 569-573.	2.9	38
35	Metal Speciation in Polyelectrolytic Systems by Differential Pulse Anodic Stripping Voltammetry. <i>International Journal of Environmental Analytical Chemistry</i> , 1990, 38, 75-83.	1.8	36
36	Stripping Chronopotentiometry in Environmental Analysis. <i>Electroanalysis</i> , 2007, 19, 2039-2049.	1.5	36

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37	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) phytochelatin system. <i>Analyst, The</i> , 2008, 133, 470.	1.7	34
38	Direct-current, normal-pulse and reverse-pulse polarography of some heavy metal polycarboxylate complexes. <i>Analytica Chimica Acta</i> , 1990, 229, 93-100.	2.6	33
39	Reverse pulse polarography of labile metal + macromolecule systems with induced reactant adsorption: theoretical analysis and determination of complexation and adsorption parameters. <i>Journal of Electroanalytical Chemistry</i> , 1994, 375, 307-318.	1.9	33
40	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. <i>Analytica Chimica Acta</i> , 2007, 584, 403-409.	2.6	33
41	Determination of Sb(III) using an ex-situ bismuth screen-printed carbon electrode by adsorptive stripping voltammetry. <i>Talanta</i> , 2016, 155, 21-27.	2.9	33
42	Multivariate curve resolution of polarographic data applied to the study of the copper-binding ability of tannic acid. <i>Analytica Chimica Acta</i> , 2000, 424, 203-209.	2.6	32
43	Implementation of a chemical equilibrium constraint in the multivariate curve resolution of voltammograms from systems with successive metal complexes. <i>Analyst, The</i> , 2001, 126, 371-377.	1.7	32
44	Polarography and stripping voltammetry of metal-polycarboxylate complexes: Complexes of cadmium and zinc with polyacrylic and polymethacrylic acids. <i>Electroanalysis</i> , 1991, 3, 299-307.	1.5	30
45	Voltammetric Analysis of Heterogeneity in Metal Ion Binding by Humics. <i>Environmental Science & Technology</i> , 2001, 35, 1097-1102.	4.6	30
46	Binding of Cd ²⁺ and Zn ²⁺ with the Phytochelatin (γ-Glu-Cys) ₄ -Gly: A Voltammetric Study Assisted by Multivariate Curve Resolution and Electrospray Ionization Mass Spectrometry. <i>Electroanalysis</i> , 2007, 19, 310-317.	1.5	30
47	Parametric signal fitting by gaussian peak adjustment: A new multivariate curve resolution method for non-bilinear voltammetric measurements. <i>Analytica Chimica Acta</i> , 2011, 689, 198-205.	2.6	30
48	Disposition of antimony after the administration of N-methylglucamine antimoniate to dogs. <i>Veterinary Record</i> , 1996, 138, 181-183.	0.2	29
49	Circular Dichroism and Voltammetry, Assisted by Multivariate Curve Resolution, and Mass Spectrometry of the Competitive Metal Binding by Phytochelatin PC ₅ . <i>Analytical Chemistry</i> , 2010, 82, 9006-9013.	3.2	29
50	Non-linear multivariate curve resolution analysis of voltammetric pH titrations. <i>Analyst, The</i> , 2010, 135, 1653.	1.7	29
51	Simultaneous determination of Tl(I) and In(III) using a voltammetric sensor array. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 18-24.	4.0	29
52	Protolytic control in stripping voltammetric titrations of metal polycarboxylate complexes. <i>Analytica Chimica Acta</i> , 1992, 264, 163-175.	2.6	28
53	Comparison of constant-current stripping chronopotentiometry and anodic stripping voltammetry in metal speciation studies using mercury drop and film electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2003, 560, 105-116.	1.9	28
54	Voltammetric Electronic Tongues in Food Analysis. <i>Sensors</i> , 2019, 19, 4261.	2.1	28

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55	Complexation of cadmium by the C-terminal hexapeptide Lys-Cys-Thr-Cys-Cys-Ala from mouse metallothionein: study by differential pulse polarography and circular dichroism spectroscopy with multivariate curve resolution analysis. <i>Analytica Chimica Acta</i> , 1999, 390, 15-25.	2.6	27
56	Binding of Hg ²⁺ with Phytochelatins: Study by Differential Pulse Voltammetry on Rotating Au-Disk Electrode, Electrospray Ionization Mass-Spectrometry, and Isothermal Titration Calorimetry. <i>Environmental Science & Technology</i> , 2009, 43, 7010-7015.	4.6	27
57	Chemometrics applied to the analysis of induced phytochelatin in <i>Hordeum vulgare</i> plants stressed with various toxic non-essential metals and metalloids. <i>Talanta</i> , 2014, 118, 201-209.	2.9	27
58	Expert system for the voltammetric determination of trace metals. <i>Analytica Chimica Acta</i> , 1992, 268, 95-105.	2.6	26
59	Cadmium binding properties of the C-terminal hexapeptide from mouse metallothionein: study by linear sweep voltammetry and multivariate curve resolution analysis. <i>Journal of Electroanalytical Chemistry</i> , 1999, 468, 202-212.	1.9	26
60	Bismuth film electrodes for the study of metal thiolate complexation: An alternative to mercury electrodes. <i>Talanta</i> , 2009, 78, 1017-1022.	2.9	26
61	Polarography and anodic stripping voltammetry of metal-polycarboxylate complexes: phenomenological relationship between limiting currents and hydrodynamic mass transport. <i>Journal of Electroanalytical Chemistry</i> , 1992, 333, 33-45.	1.9	25
62	Induced reactant adsorption in normal pulse polarography of labile metal polyelectrolyte systems part 1. Study of current-potential relationship assuming potential-independent adsorption parameters. <i>Journal of Electroanalytical Chemistry</i> , 1992, 326, 299-316.	1.9	25
63	Expert system for the voltammetric determination of trace metals. <i>Analytica Chimica Acta</i> , 1994, 285, 193-208.	2.6	25
64	Stripping electroanalytical techniques in environmental analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 1994, 13, 110-117.	5.8	25
65	Multivariate curve resolution analysis of voltammetric data obtained at different time windows: study of the system Cd ²⁺ -nitritoltriacetic acid. <i>Analytica Chimica Acta</i> , 1998, 371, 23-37.	2.6	25
66	Soft modelling approach applied to voltammetric data: study of electrochemically labile metal-glycine complexes. <i>Journal of Electroanalytical Chemistry</i> , 2001, 505, 44-53.	1.9	25
67	Multivariate Resolution of Coeluted Peaks in Hyphenated Liquid Chromatography - Linear Sweep Voltammetry. <i>Electroanalysis</i> , 2003, 15, 499-508.	1.5	25
68	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. <i>Journal of Electroanalytical Chemistry</i> , 2007, 600, 275-284.	1.9	25
69	Phosphorene and other layered pnictogens as a new source of 2D materials for electrochemical sensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 139, 116249.	5.8	25
70	Voltammetry of labile metal-macromolecular systems for any ligand-to-metal ratio, including adsorption phenomena. The role of the stability constant. <i>Journal of Electroanalytical Chemistry</i> , 1994, 374, 223-234.	1.9	24
71	Soft modelling for the resolution of highly overlapped voltammetric peaks: application to some Pb-phytochelatin systems. <i>Talanta</i> , 2007, 71, 344-352.	2.9	24
72	Study of the Hg ²⁺ binding with chelation therapy agents by differential pulse voltammetry on rotating Au-disk electrode and electrospray ionization mass-spectrometry. <i>Analytica Chimica Acta</i> , 2009, 653, 77-85.	2.6	24

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73	Voltammetric study of cadmium(II) ion in the presence of polysaccharides. <i>Electroanalysis</i> , 1991, 3, 309-318.	1.5	23
74	Recent contributions to the study of phytochelatins with an analytical approach. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 73, 129-145.	5.8	23
75	Comparison of voltammetric detection assisted by multivariate curve resolution with amperometric detection in liquid chromatographic analysis of cysteine-containing compounds. <i>Journal of Chromatography A</i> , 2005, 1062, 95-101.	1.8	22
76	Signal splitting in the stripping analysis of heavy metals using bismuth film electrodes: Influence of concentration range and deposition parameters. <i>Electrochimica Acta</i> , 2008, 53, 6616-6622.	2.6	22
77	Study of Cd ²⁺ complexation by the glutathione fragments Cys-Gly (CG) and ¹³ C-Glu-Cys (¹³ C-EC) by differential pulse polarography. <i>Analyst, The</i> , 2002, 127, 401.	1.7	21
78	Application of multivariate curve resolution to the voltammetric study of the complexation of fulvic acids with cadmium(II) ion. <i>Analytica Chimica Acta</i> , 2002, 459, 291-304.	2.6	21
79	Binding of Hg ²⁺ 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. <i>Journal of Electroanalytical Chemistry</i> , 2010, 644, 20-24.	1.9	21
80	Electrochemical survey of the chain length influence in phytochelatins competitive binding by cadmium. <i>Analytical Biochemistry</i> , 2010, 406, 61-69.	1.1	21
81	Cadmium binding in mixtures of phytochelatins and their fragments: A voltammetric study assisted by multivariate curve resolution and mass spectrometry. <i>Analyst, The</i> , 2010, 135, 86-95.	1.7	21
82	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. <i>Journal of Chromatography A</i> , 2015, 1409, 210-217.	1.8	21
83	Selenocystine modified screen-printed electrode as an alternative sensor for the voltammetric determination of metal ions. <i>Talanta</i> , 2017, 175, 501-506.	2.9	21
84	Determination of HPLC-UV Fingerprints of Spanish Paprika (<i>Capsicum annum</i> L.) for Its Classification by Linear Discriminant Analysis. <i>Sensors</i> , 2018, 18, 4479.	2.1	20
85	Induced reactant adsorption in normal pulse polarography of labile metal + polyelectrolyte systems. <i>Journal of Electroanalytical Chemistry</i> , 1992, 328, 271-285.	1.9	19
86	Voltammetry of Cu(II) in the presence of polymethacrylate. <i>Analytica Chimica Acta</i> , 1993, 273, 289-296.	2.6	19
87	Voltammetry of metal ion-macromolecule interactions: Application to speciation problems. <i>TrAC - Trends in Analytical Chemistry</i> , 1993, 12, 276-286.	5.8	19
88	Application of multivariate curve resolution to the voltammetric data Factor analysis ambiguities in the study of weak consecutive complexation of metal ion with ligand. <i>Analytica Chimica Acta</i> , 1997, 341, 105-120.	2.6	19
89	Square wave voltammetry data analysis by multivariate curve resolution: application to the mixed-metal system Cd-Zn-{Lys-Cys-Thr-Cys-Cys-Ala}. <i>Analytica Chimica Acta</i> , 2001, 428, 285-299.	2.6	19
90	Asymmetric logistic peak as a suitable function for the resolution of highly asymmetric voltammograms in non-bilinear systems. <i>Analyst, The</i> , 2011, 136, 4696.	1.7	19

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91	Analysis of phytochelatins and Hg-phytochelatin complexes in <i>Hordeum vulgare</i> plants stressed with Hg and Cd: HPLC study with amperometric detection. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 668-678.	1.8	19
92	<i>Ex situ</i> Antimony Screen-Printed Carbon Electrode for Voltammetric Determination of Ni(II) Ions in Wastewater. <i>Electroanalysis</i> , 2016, 28, 640-644.	1.5	19
93	From cysteine to longer chain thiols: thermodynamic analysis of cadmium binding by phytochelatins and their fragments. <i>Metallomics</i> , 2011, 3, 838.	1.0	18
94	Determination of Pd(II) using an antimony film coated on a screen-printed electrode by adsorptive stripping voltammetry. <i>Talanta</i> , 2017, 167, 1-7.	2.9	18
95	Expert system for the voltammetric determination of trace metals. <i>Analytica Chimica Acta</i> , 1992, 268, 107-114.	2.6	17
96	Voltammetric study of zinc(II) and lead(II) ions in the presence of alginate and pectin. <i>Electroanalysis</i> , 1992, 4, 757-764.	1.5	17
97	Voltammetry of labile metal-complex systems with induced reactant adsorption. Theoretical analysis for any ligand-to-metal ratio. <i>Journal of Electroanalytical Chemistry</i> , 1993, 360, 1-25.	1.9	17
98	Resolution of global signals using ratio differential pulse polarograms: Determination of p-nitroaniline and p-nitrotoluene in their mixture. <i>Journal of Electroanalytical Chemistry</i> , 1997, 420, 227-234.	1.9	17
99	Amalgamation effects in reverse pulse polarography at spherical electrodes. Influence on speciation measurements. <i>Journal of Electroanalytical Chemistry</i> , 1998, 442, 151-167.	1.9	17
100	Zinc-binding properties of the C-terminal hexapeptide Lys-Cys-Thr-Cys-Ala from mouse metallothionein: analysis by differential pulse polarography and multivariate curve resolution. <i>Analytica Chimica Acta</i> , 1999, 385, 353-363.	2.6	17
101	A novel differential pulse voltammetric method on rotating Au-disk electrode for the study of Hg ²⁺ binding. <i>Journal of Electroanalytical Chemistry</i> , 2009, 629, 169-179.	1.9	17
102	Liquid chromatographic analysis of Hg(II) binding by thiol-rich peptides using both UV-vis and electrochemical detection. <i>Journal of Chromatography A</i> , 2009, 1216, 6752-6757.	1.8	17
103	Phytochelatin synthesis in response to Hg uptake in aquatic plants near a chlor-alkali factory. <i>Chemosphere</i> , 2017, 176, 74-80.	4.2	17
104	Dimethylglyoxime modified screen-printed electrodes for nickel determination. <i>Journal of Electroanalytical Chemistry</i> , 2019, 839, 83-89.	1.9	17
105	Electroanalysis from the past to the twenty-first century: challenges and perspectives. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2653-2661.	1.2	17
106	Cathodic stripping voltammetry of 2-mercaptoethanol. <i>Analytica Chimica Acta</i> , 1985, 176, 113-119.	2.6	16
107	Signals ratio method for resolution enhancement in differential pulse polarography and related techniques. <i>Analytica Chimica Acta</i> , 1995, 312, 27-34.	2.6	16
108	Comparison of the zinc-cadmium exchange properties of the metallothionein related peptide {Lys-Cys-Thr-Cys-Ala} and a zinc-containing metallothionein: study by voltammetry and multivariate curve resolution. <i>Journal of Electroanalytical Chemistry</i> , 2002, 523, 114-125.	1.9	16

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109	Bismuth Film Electrode in Metal Complexation Studies: Stripping Analysis of the Pb(II), Cd(II), and Zn(II) Binding with Phthalate. <i>Electroanalysis</i> , 2009, 21, 431-438.	1.5	16
110	Cyclic voltammetry of metal/polyelectrolyte complexes: Complexes of cadmium and lead with deoxyribonucleic acid. <i>Electroanalysis</i> , 1990, 2, 35-41.	1.5	15
111	Influence of the counterion concentration on the formation constants of some metal/polycarboxylate complexes: Study by differential pulse anodic stripping. <i>Biophysical Chemistry</i> , 1992, 45, 109-117.	1.5	15
112	Voltammetry of metal ions in mixtures of ligands Part II: Application to successive labile complexes. <i>Journal of Electroanalytical Chemistry</i> , 1997, 432, 243-251.	1.9	15
113	Voltammetry of metal ions in mixtures of ligands Part I. Theoretical formulation and application to 1:1 labile complexes. <i>Journal of Electroanalytical Chemistry</i> , 1997, 431, 99-110.	1.9	15
114	Voltammetry of sparingly soluble metal complexes: a differential pulse polarographic study of the Zn(II)+oxalate system. <i>Journal of Electroanalytical Chemistry</i> , 1999, 475, 99-106.	1.9	15
115	Voltammetric Determination of Pb(II) and Cd(II) Ions in Well Water Using a Sputtered Bismuth Screen-Printed Electrode. <i>Electroanalysis</i> , 2014, 26, 2168-2172.	1.5	15
116	Voltammetric Soft Modelling Approach for Systems with Both Electrochemically Labile and Inert Complexes: the Zn-Glycine Case. <i>Electroanalysis</i> , 2001, 13, 1405-1410.	1.5	14
117	Comparison of Voltammetry Assisted by Multivariate Analysis with EXAFS as Applied to the Study of Cd- and Zn-Binding of Metallothionein Related Peptides. <i>Electroanalysis</i> , 2002, 14, 899.	1.5	14
118	Commercial Screen-Printed Gold Electrodes for the Detection and Quantification of Amino thiols in Human Plasma by Liquid Chromatography with Electrochemical Detection. <i>Electroanalysis</i> , 2014, 26, 581-587.	1.5	14
119	Thermometric behaviour of (methylthio)acetic, thiodiacetic and 3,3'-thiodipropanoic acids. <i>Thermochimica Acta</i> , 1982, 55, 1-10.	1.2	13
120	Expert system for the voltammetric determination of trace metals. <i>Analytica Chimica Acta</i> , 1994, 285, 377-389.	2.6	13
121	Voltammetry of Pb(II), Cd(II) and Zn(II) ions in the presence of the sulphated polysaccharide β -carrageenan. <i>Analytica Chimica Acta</i> , 1995, 310, 121-129.	2.6	13
122	Characterization of Hg(II) binding with different length phytochelatins using liquid chromatography and amperometric detection. <i>Analytica Chimica Acta</i> , 2011, 695, 51-57.	2.6	13
123	Can bismuth film screen printed carbon electrodes be used to study complexation?. <i>Talanta</i> , 2013, 107, 356-360.	2.9	13
124	Suitability of Polystyrene for Voltammetric Cells: A Differential Pulse Anodic Stripping Voltammetric Study. <i>Analytical Chemistry</i> , 1994, 66, 1548-1551.	3.2	12
125	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. <i>Analytica Chimica Acta</i> , 2012, 746, 47-52.	2.6	12
126	Substitution of Mercury Electrodes by Bismuth-Coated Screen-Printed Electrodes in the Determination of Quinine in Tonic Water. <i>Journal of Chemical Education</i> , 2013, 90, 1681-1684.	1.1	12

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127	Anodic behaviour of 2-mercaptoethanol at a mercury electrode. <i>Analytica Chimica Acta</i> , 1988, 206, 65-74.	2.6	11
128	Expert system for the voltammetric determination of trace metals. <i>Analytica Chimica Acta</i> , 1993, 284, 435-443.	2.6	11
129	Influence of adsorption on calibration curves in normal pulse polarography. <i>Analytica Chimica Acta</i> , 1995, 305, 273-284.	2.6	11
130	Competitive binding of cadmium by plant thiols: an electrochemical study assisted by multivariate curve resolution. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1137-1145.	1.9	11
131	Complexation of Hg ²⁺ with Lipoic and Dihydrolipoic Acids: Study by Differential Pulse Voltammetry on Rotating Au-Disk Electrode and ESI-MS. <i>Electroanalysis</i> , 2010, 22, 177-184.	1.5	11
132	Chemometrics in Electroanalysis. <i>Monographs in Electrochemistry</i> , 2019, , .	0.2	11
133	Application of electroanalytical methods to the characterization of metallothioneins and related molecules. <i>Cellular and Molecular Biology</i> , 2000, 46, 237-56.	0.3	11
134	Combined Use of Differential Pulse Polarography and Multivariate Curve Resolution: As Applied to the Study of Metal Mixed Complexes of the Metallothionein Related Hexapeptide. <i>Electroanalysis</i> , 2002, 14, 50-56.	1.5	10
135	Multivariate curve resolution as a tool to minimize the effects of electrodic adsorption in normal pulse voltammetry. <i>Electrochimica Acta</i> , 2008, 53, 5579-5586.	2.6	10
136	Chemometrics in Electrochemistry. , 2009, , 425-458.		10
137	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. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018, 178, 32-38.	1.8	10
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