Miquel Esteban

List of Publications by Year
in descending order

207	4,596	109321	175258
papers	citations	35 h-index	52 g-index

213	213	213	2957
all docs	docs citations	times ranked	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.	11.4	145
2	Voltammetric determination of metal ions beyond mercury electrodes. A review. Analytica Chimica Acta, 2017, 990, 11-53.	5.4	131
3	Chemometrics for the analysis of voltammetric data. TrAC - Trends in Analytical Chemistry, 2006, 25, 86-92.	11.4	129
4	Coating methods, modifiers and applications of bismuth screen-printed electrodes. TrAC - Trends in Analytical Chemistry, 2013, 46, 15-29.	11.4	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.	5.4	95
6	Antimony- based electrodes for analytical determinations. TrAC - Trends in Analytical Chemistry, 2016, 77, 203-213.	11.4	84
7	Cadmium-binding properties of glutathione: A chemometrical analysis of voltammetric data. Journal of Inorganic Biochemistry, 1997, 66, 29-36.	3.5	77
8	Application of Multivariate Curve Resolution to Voltammetric Data. Analytical Biochemistry, 1996, 240, 134-141.	2.4	74
9	New approaches to antimony film screen-printed electrodes using carbon-based nanomaterials substrates. Analytica Chimica Acta, 2016, 916, 17-23.	5.4	66
10	Glutathione modified screen-printed carbon nanofiber electrode for the voltammetric determination of metal ions in natural samples. Talanta, 2016, 155, 8-13.	5.5	64
11	Simultaneous determination of hydroquinone, catechol and resorcinol by voltammetry using graphene screen-printed electrodes and partial least squares calibration. Talanta, 2016, 160, 138-143.	5.5	62
12	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.	3.8	59
13	Stripping voltammetry of metal complexes: interferences from adsorption onto cell components. Analytical Chemistry, 1992, 64, 1769-1776.	6.5	58
14	Study of the zinc-binding properties of glutathione by differential pulse polarography and multivariate curve resolution. Journal of Inorganic Biochemistry, 1998, 70, 91-98.	3.5	58
15	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.	3.8	57
16	Heavy Metal Binding by Tannic Acid: A Voltammetric Study. Electroanalysis, 2000, 12, 1130-1137.	2.9	55
17	Multivariate Curve Resolution: A Possible Tool in the Detection of Intermediate Structures in Protein Folding. Biophysical Journal, 1998, 74, 2876-2888.	0.5	53
18	Multivariate Curve Resolution of Cyclic Voltammetric Data:â€‰ Application to the Study of the Cadmium-Binding Properties of Glutathione. Analytical Chemistry, 1999, 71, 4629-4636.	6.5	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. Talanta, 2014, 119, 348-352.	5.5	51
20	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.	10.0	49
21	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.	10.0	49
22	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.	2.9	46
23	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.	10.0	45
24	A screen-printed voltammetric electronic tongue for the analysis of complex mixtures of metal ions. Sensors and Actuators B: Chemical, 2017, 250, 393-401.	7.8	45
25	Chemometrics in Electroanalytical Chemistry. Critical Reviews in Analytical Chemistry, 2006, 36, 295-313.	3.5	44
26	Ag Nanoparticles Drop-Casting Modification of Screen-Printed Electrodes for the Simultaneous Voltammetric Determination of Cu(II) and Pb(II). Sensors, 2017, 17, 1458.	3.8	44
27	Induced reactant adsorption in metalâ€"polyelectrolyte systems: pulse polarographic study. Analytica Chimica Acta, 1992, 268, 261-274.	5.4	43
28	Stripping analysis of heavy metals in tap water using the bismuth film electrode. Analytical and Bioanalytical Chemistry, 2010, 396, 1365-1369.	3.7	42
29	Soft- and Hard-Modeling Approaches for the Determination of Stability Constants of Metalâ€“Peptide Systems by Voltammetry. Analytical Biochemistry, 2000, 279, 189-201.	2.4	41
30	Thermodynamics of Cd2+ and Zn2+ binding by the phytochelatin (Î³-Glu-Cys)4-Gly and its precursor glutathione. Analytical Biochemistry, 2008, 375, 82-89.	2.4	41
31	Differential pulse polarographic study of the Pb(II) complexation by glutathione. Journal of Electroanalytical Chemistry, 2001, 516, 110-118.	3.8	39
32	Potential shift correction in multivariate curve resolution of voltammetric data. General formulation and application to some experimental systems. Analyst, The, 2008, 133, 112-125.	3.5	38
33	Competitive Binding of Cd and Zn with the Phytochelatin (Î³-Glu-Cys)‹sub›4‹/sub›-Gly: Comparative Study by Mass Spectrometry, Voltammetry-Multivariate Curve Resolution, and Isothermal Titration Calorimetry. Environmental Science & Technology, 2008, 42, 2860-2866.	10.0	38
34	Penicillamine-modified sensor for the voltammetric determination of Cd(II) and Pb(II) ions in natural samples. Talanta, 2015, 144, 569-573.	5.5	38
35	Metal Speciation in Polyelectrolytic Systems by Differential Pulse Anodic Stripping Voltammetry. International Journal of Environmental Analytical Chemistry, 1990, 38, 75-83.	3.3	36
36	Stripping Chronopotentiometry in Environmental Analysis. Electroanalysis, 2007, 19, 2039-2049.	2.9	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)â€“phytochelatin system. Analyst, The, 2008, 133, 470.	3.5	34
38	Direct-current, normal-pulse and reverse-pulse polarography of some heavy metalâ€”polycarboxylate complexes. Analytica Chimica Acta, 1990, 229, 93-100.	5.4	33
39	Reverse pulse polarography of labile metal + macromolecule systems with induced reactant adsorption: theoretical analysis and determination of complexation and adsorption parameters. Journal of Electroanalytical Chemistry, 1994, 375, 307-318.	3.8	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. Analytica Chimica Acta, 2007, 584, 403-409.	5.4	33
41	Determination of Sb(III) using an ex-situ bismuth screen-printed carbon electrode by adsorptive stripping voltammetry. Talanta, 2016, 155, 21-27.	5.5	33
42	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.	5.4	32
43	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.	3.5	32
44	Polarography and stripping voltammetry of metal-polycarboxylate complexes: Complexes of cadmium and zinc with polyacrylic and polymethacrylic acids. Electroanalysis, 1991, 3, 299-307.	2.9	30
45	Voltammetric Analysis of Heterogeneity in Metal Ion Binding by Humics. Environmental Science & Technology, 2001, 35, 1097-1102.	10.0	30
46	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.	2.9	30
47	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.	5.4	30
48	Disposition of antimony after the administration of N-methylglucamine antimoniate to dogs. Veterinary Record, 1996, 138, 181-183.	0.3	29
49	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.	6.5	29
50	Non-linear multivariate curve resolution analysis of voltammetric pH titrations. Analyst, The, 2010, 135, 1653.	3.5	29
51	Simultaneous determination of Tl(I) and In(III) using a voltammetric sensor array. Sensors and Actuators B: Chemical, 2017, 245, 18-24.	7.8	29
52	Protolytic control in stripping voltammetric titrations of metalâ€”polyacid complexes. Analytica Chimica Acta, 1992, 264, 163-175.	5.4	28
53	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.	3.8	28
54	Voltammetric Electronic Tongues in Food Analysis. Sensors, 2019, 19, 4261.	3.8	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. Analytica Chimica Acta, 1999, 390, 15-25.	5.4	27
56	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.	10.0	27
57	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.	5.5	27
58	Expert system for the voltammetric determination of trace metals. Analytica Chimica Acta, 1992, 268, 95-105.	5.4	26
59	Cadmium binding properties of the C-terminal hexapeptide from mouse metallothionein: study by linear sweep voltammetry and multivariate curve resolution analysis. Journal of Electroanalytical Chemistry, 1999, 468, 202-212.	3.8	26
60	Bismuth film electrodes for the study of metal thiolate complexation: An alternative to mercury electrodes. Talanta, 2009, 78, 1017-1022.	5.5	26
61	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.	3.8	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. Journal of Electroanalytical Chemistry, 1992, 326, 299-316.	3.8	25
63	Expert system for the voltammetric determination of trace metals. Analytica Chimica Acta, 1994, 285, 193-208.	5.4	25
64	Stripping electroanalytical techniques in environmental analysis. TrAC - Trends in Analytical Chemistry, 1994, 13, 110-117.	11.4	25
65	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.	5.4	25
66	Soft modelling approach applied to voltammetric data: study of electrochemically labile metalâ€"glycine complexes. Journal of Electroanalytical Chemistry, 2001, 505, 44-53.	3.8	25
67	Multivariate Resolution of Coeluted Peaks in Hyphenated Liquid Chromatography - Linear Sweep Voltammetry. Electroanalysis, 2003, 15, 499-508.	2.9	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. Journal of Electroanalytical Chemistry, 2007, 600, 275-284.	3.8	25
69	Phosphorene and other layered pnictogens as a new source of 2D materials for electrochemical sensors. TrAC - Trends in Analytical Chemistry, 2021, 139, 116249.	11.4	25
70	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.	3.8	24
71	Soft modelling for the resolution of highly overlapped voltammetric peaks: application to some Pb-phytochelatin systems. Talanta, 2007, 71, 344-352.	5.5	24
72	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.	5.4	24

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73	Voltammetric study of cadmium(II) ion in the presence of polysaccharides. Electroanalysis, 1991, 3, 309-318.	2.9	23
74	Recent contributions to the study of phytochelatins with an analytical approach. TrAC - Trends in Analytical Chemistry, 2015, 73, 129-145.	11.4	23
75	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.	3.7	22
76	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.	5.2	22
77	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.	3.5	21
78	Application of multivariate curve resolution to the voltammetric study of the complexation of fulvic acids with cadmium(II) ion. Analytica Chimica Acta, 2002, 459, 291-304.	5.4	21
79	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.	3.8	21
80	Electrochemical survey of the chain length influence in phytochelatins competitive binding by cadmium. Analytical Biochemistry, 2010, 406, 61-69.	2.4	21
81	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.	3.5	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. Journal of Chromatography A, 2015, 1409, 210-217.	3.7	21
83	Selenocystine modified screen-printed electrode as an alternative sensor for the voltammetric determination of metal ions. Talanta, 2017, 175, 501-506.	5.5	21
84	Determination of HPLC-UV Fingerprints of Spanish Paprika (Capsicum annuum L.) for Its Classification by Linear Discriminant Analysis. Sensors, 2018, 18, 4479.	3.8	20
85	Induced reactant adsorption in normal pulse polarography of labile metal + polyelectrolyte systems. Journal of Electroanalytical Chemistry, 1992, 328, 271-285.	3.8	19
86	Voltammetry of Cu(II) in the presence of polymethacrylate. Analytica Chimica Acta, 1993, 273, 289-296.	5.4	19
87	Voltammetry of metal ionâ€”macromolecule interactions: Application to speciation problems. TrAC - Trends in Analytical Chemistry, 1993, 12, 276-286.	11.4	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. Analytica Chimica Acta, 1997, 341, 105-120.	5.4	19
89	Square wave voltammetry data analysis by multivariate curve resolution: application to the mixed-metal system Cdâ€“Znâ€“{Lysâ€“Cysâ€“Thrâ€“Cysâ€“Cysâ€“Ala}. Analytica Chimica Acta, 2001, 428, 285-299.	5.4	19
90	Asymmetric logistic peak as a suitable function for the resolution of highly asymmetric voltammograms in non-bilinear systems. Analyst, The, 2011, 136, 4696.	3.5	19

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91	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.	3.3	19
92	Exâ€situ Antimony Screenâ€printed Carbon Electrode for Voltammetric Determination of Ni(II)â€ions in Wastewater. Electroanalysis, 2016, 28, 640-644.	2.9	19
93	From cysteine to longer chain thiols: thermodynamic analysis of cadmium binding by phytochelatins and their fragments. Metallomics, 2011, 3, 838.	2.4	18
94	Determination of Pd(II) using an antimony film coated on a screen-printed electrode by adsorptive stripping voltammetry. Talanta, 2017, 167, 1-7.	5.5	18
95	Expert system for the voltammetric determination of trace metals. Analytica Chimica Acta, 1992, 268, 107-114.	5.4	17
96	Voltammetric study of zinc(II) and lead(II) ions in the presence of alginate and pectin. Electroanalysis, 1992, 4, 757-764.	2.9	17
97	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.	3.8	17
98	Resolution of global signals using ratio differential pulse polarograms: Determination of p-nitroaniline and p-nitrotoluene in their mixture. Journal of Electroanalytical Chemistry, 1997, 420, 227-234.	3.8	17
99	Amalgamation effects in reverse pulse polarography at spherical electrodes. Influence on speciation measurements. Journal of Electroanalytical Chemistry, 1998, 442, 151-167.	3.8	17
100	Zinc-binding properties of the C-terminal hexapeptide Lysâ€“Cysâ€“Thrâ€“Cysâ€“Cysâ€“Ala from mouse metallothionein: analysis by differential pulse polarography and multivariate curve resolution. Analytica Chimica Acta, 1999, 385, 353-363.	5.4	17
101	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.	3.8	17
102	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.	3.7	17
103	Phytochelatin synthesis in response to Hg uptake in aquatic plants near a chlor-alkali factory. Chemosphere, 2017, 176, 74-80.	8.2	17
104	Dimethylglyoxime modified screen-printed electrodes for nickel determination. Journal of Electroanalytical Chemistry, 2019, 839, 83-89.	3.8	17
105	Electroanalysis from the past to the twenty-first century: challenges and perspectives. Journal of Solid State Electrochemistry, 2020, 24, 2653-2661.	2.5	17
106	Cathodic stripping voltammetry of 2-mercaptoethanol. Analytica Chimica Acta, 1985, 176, 113-119.	5.4	16
107	Signals ratio method for resolution enhancement in differential pulse polarography and related techniques. Analytica Chimica Acta, 1995, 312, 27-34.	5.4	16
108	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.	3.8	16

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109	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.	2.9	16
110	Cyclic voltammetry of metal/polyelectrolyte complexes: Complexes of cadmium and lead with deoxyribonucleic acid. Electroanalysis, 1990, 2, 35-41.	2.9	15
111	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.	2.8	15
112	Voltammetry of metal ions in mixtures of ligands Part II: Application to successive labile complexes. Journal of Electroanalytical Chemistry, 1997, 432, 243-251.	3.8	15
113	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.	3.8	15
114	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.	3.8	15
115	Voltammetric Determination of Pb(II) and Cd(II) Ions in Well Water Using a Sputtered Bismuth Screenâ€Printed Electrode. Electroanalysis, 2014, 26, 2168-2172.	2.9	15
116	Voltammetric Soft Modelling Approach for Systems with Both Electrochemically Labile and Inert Complexes: the Zn-Glycine Case. Electroanalysis, 2001, 13, 1405-1410.	2.9	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. Electroanalysis, 2002, 14, 899.	2.9	14
118	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.	2.9	14
119	Thermometric behaviour of (methylthio)acetic, thiodiacetic and 3,3'-thiodipropanoic acids. Thermochimica Acta, 1982, 55, 1-10.	2.7	13
120	Expert system for the voltammetric determination of trace metals. Analytica Chimica Acta, 1994, 285, 377-389.	5.4	13
121	Voltammetry of Pb(II), Cd(II) and Zn(II) ions in the presence of the sulphated polysaccharide Î»-carrageenan. Analytica Chimica Acta, 1995, 310, 121-129.	5.4	13
122	Characterization of Hg(II) binding with different length phytochelatins using liquid chromatography and amperometric detection. Analytica Chimica Acta, 2011, 695, 51-57.	5.4	13
123	Can bismuth film screen printed carbon electrodes be used to study complexation?. Talanta, 2013, 107, 356-360.	5.5	13
124	Suitability of Polystyrene for Voltammetric Cells: A Differential Pulse Anodic Stripping Voltammetric Study. Analytical Chemistry, 1994, 66, 1548-1551.	6.5	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. Analytica Chimica Acta, 2012, 746, 47-52.	5.4	12
126	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.	2.3	12

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127	Anodic behaviour of 2-mercaptoethanol at a mercury electrode. Analytica Chimica Acta, 1988, 206, 65-74.	5.4	11
128	Expert system for the voltammetric determination of trace metals. Analytica Chimica Acta, 1993, 284, 435-443.	5.4	11
129	Influence of adsorption on calibration curves in normal pulse polarography. Analytica Chimica Acta, 1995, 305, 273-284.	5.4	11
130	Competitive binding of cadmium by plant thiols: an electrochemical study assisted by multivariate curve resolution. Analytical and Bioanalytical Chemistry, 2009, 394, 1137-1145.	3.7	11
131	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.	2.9	11
132	Chemometrics in Electroanalysis. Monographs in Electrochemistry, 2019, , .	0.2	11
133	Application of electroanalytical methods to the characterization of metallothioneins and related molecules. Cellular and Molecular Biology, 2000, 46, 237-56.	0.9	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. Electroanalysis, 2002, 14, 50-56.	2.9	10
135	Multivariate curve resolution as a tool to minimize the effects of electrodic adsorption in normal pulse voltammetry. Electrochimica Acta, 2008, 53, 5579-5586.	5.2	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. Chemometrics and Intelligent Laboratory Systems, 2018, 178, 32-38.	3.5	10
138	Polarographic determination of the stability constants of metal complexes based on the shifts in half-wave or peak potentials of the anodic oxidation of mercury: methylthioacetato- and 2,2â€²-thiobisacetato complexes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1985, 194, 11-25.	0.1	9
139	Anodic oxidation of mercury in the presence of thioether acidsâ€”II. 2,2â€²-thiobisacetic acid and 3,3â€²-thiobispropanoic acid. Electrochimica Acta, 1986, 31, 327-334.	5.2	9
140	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.	5.4	9
141	Polarography and stripping voltammetry of metal-polycarboxylate complexes: The Cu(II)-polyacrylate system. Electroanalysis, 1993, 5, 677-684.	2.9	9
142	Differential Pulse Polarography of the Zn2+ Complexation by Glutathione Fragments Cys-Gly and gamma-Glu-Cys. Electroanalysis, 2003, 15, 1177-1184.	2.9	9
143	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.	3.5	9
144	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.	5.2	9

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145	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.	3.5	9
146	Parametric signal fitting of highly asymmetric voltammograms by using the exponentially modified Gaussian (EMG) function. Chemometrics and Intelligent Laboratory Systems, 2016, 152, 80-87.	3.5	9
147	Voltammetric Determination of Anti-Hypertensive Drug Hydrochlorothiazide Using Screen-Printed Electrodes Modified with L-Glutamic Acid. Chemosensors, 2017, 5, 25.	3.6	9
148	Expanding the possibilities of electrografting modification of voltammetric sensors through two complementary strategies. Electrochimica Acta, 2019, 319, 878-884.	5.2	9
149	Computer-aided voltammetric method development employing a knowledge-based expert system. TrAC - Trends in Analytical Chemistry, 1992, 11, 135-142.	11.4	8
150	Polarography and differential pulse anodic stripping voltammetry of Pb(II)/polycarboxylate complexes. Journal of Electroanalytical Chemistry, 1993, 344, 119-134.	3.8	8
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