

# Miquel Esteban

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4212174/publications.pdf>

Version: 2024-02-01

207  
papers

4,596  
citations

109321

35  
h-index

175258

52  
g-index

213  
all docs

213  
docs citations

213  
times ranked

2957  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	11.4	25
2	Chemometrics in Electrochemistry. , 2020, , 1-31.		2
3	MCR-ALS of voltammetric data for the study of environmentally relevant substances. <i>Microchemical Journal</i> , 2020, 158, 105177.	4.5	7
4	Electroanalysis from the past to the twenty-first century: challenges and perspectives. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2653-2661.	2.5	17
5	Multivariate Calibration. <i>Monographs in Electrochemistry</i> , 2019, , 87-129.	0.2	0
6	Chemometrics in Electroanalysis. <i>Monographs in Electrochemistry</i> , 2019, , .	0.2	11
7	Expanding the possibilities of electrografting modification of voltammetric sensors through two complementary strategies. <i>Electrochimica Acta</i> , 2019, 319, 878-884.	5.2	9
8	Voltammetric Electronic Tongues in Food Analysis. <i>Sensors</i> , 2019, 19, 4261.	3.8	28
9	Dimethylglyoxime modified screen-printed electrodes for nickel determination. <i>Journal of Electroanalytical Chemistry</i> , 2019, 839, 83-89.	3.8	17
10	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. <i>Talanta</i> , 2019, 192, 147-153.	5.5	8
11	Main Characteristics and Types of Electroanalytical Data. <i>Monographs in Electrochemistry</i> , 2019, , 7-31.	0.2	1
12	Multivariate Curve Resolution. <i>Monographs in Electrochemistry</i> , 2019, , 131-183.	0.2	1
13	Potentiometric Stripping Analysis. , 2018, , 230-230.		1
14	Determination of HPLC-UV Fingerprints of Spanish Paprika ( <i>Capsicum annum L.</i> ) for Its Classification by Linear Discriminant Analysis. <i>Sensors</i> , 2018, 18, 4479.	3.8	20
15	Screen-printed Electrodes for the Determination of Iridium in Drugs. <i>Electroanalysis</i> , 2018, 30, 2925-2930.	2.9	0
16	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.	3.5	10
17	Simultaneous determination of Tl(I) and In(III) using a voltammetric sensor array. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 18-24.	7.8	29
18	Phytochelatin synthesis in response to Hg uptake in aquatic plants near a chlor-alkali factory. <i>Chemosphere</i> , 2017, 176, 74-80.	8.2	17

#	ARTICLE	IF	CITATIONS
19	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.	5.5	18
20	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.	7.8	45
21	A Voltammetric Electronic Tongue Based on Commercial Screen-Printed Electrodes for the Analysis of Amino thiols by Differential Pulse Voltammetry. <i>Electroanalysis</i> , 2017, 29, 1559-1565.	2.9	8
22	Selenocystine modified screen-printed electrode as an alternative sensor for the voltammetric determination of metal ions. <i>Talanta</i> , 2017, 175, 501-506.	5.5	21
23	Voltammetric determination of metal ions beyond mercury electrodes. A review. <i>Analytica Chimica Acta</i> , 2017, 990, 11-53.	5.4	131
24	Selenocystine Modified Screen-Printed Carbon Electrode as an Alternative Sensor for the Voltammetric Determination of Metal Ions. <i>Proceedings (mdpi)</i> , 2017, 1, .	0.2	0
25	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.	3.8	44
26	A Chemically-Bound Glutathione Sensor Bioinspired by the Defense of Organisms against Heavy Metal Contamination: Optimization of the Immobilization Conditions. <i>Chemosensors</i> , 2017, 5, 12.	3.6	6
27	Voltammetric Determination of Anti-Hypertensive Drug Hydrochlorothiazide Using Screen-Printed Electrodes Modified with L-Glutamic Acid. <i>Chemosensors</i> , 2017, 5, 25.	3.6	9
28	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.	5.5	62
29	Integration of Commercial Screen-Printed Electrodes into a Voltammetric Electronic Tongue for the Analysis of Amino thiols. <i>Electroanalysis</i> , 2016, 28, 1570-1577.	2.9	7
30	Glutathione modified screen-printed carbon nanofiber electrode for the voltammetric determination of metal ions in natural samples. <i>Talanta</i> , 2016, 155, 8-13.	5.5	64
31	Determination of Sb(III) using an ex-situ bismuth screen-printed carbon electrode by adsorptive stripping voltammetry. <i>Talanta</i> , 2016, 155, 21-27.	5.5	33
32	<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.	2.9	19
33	Antimony- based electrodes for analytical determinations. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 77, 203-213.	11.4	84
34	Parametric signal fitting of highly asymmetric voltammograms by using the exponentially modified Gaussian (EMG) function. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 152, 80-87.	3.5	9
35	New approaches to antimony film screen-printed electrodes using carbon-based nanomaterials substrates. <i>Analytica Chimica Acta</i> , 2016, 916, 17-23.	5.4	66
36	Mercury Films on Commercial Carbon Screen-Printed Devices for the Analysis of Heavy Metal Ions: a Critical Evaluation. <i>Electroanalysis</i> , 2015, 27, 1345-1349.	2.9	5

#	ARTICLE	IF	CITATIONS
37	Penicillamine-modified sensor for the voltammetric determination of Cd(II) and Pb(II) ions in natural samples. <i>Talanta</i> , 2015, 144, 569-573.	5.5	38
38	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.	3.7	21
39	Recent contributions to the study of phytochelatins with an analytical approach. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 73, 129-145.	11.4	23
40	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.	5.4	95
41	Study of the Complexation of Pb(II) with <i>meso</i> -2,3-Dimercaptosuccinic Acid (DMSA) and 2,3-Dimercapto-1-propanesulfonic acid (DMPS) Using a Bismuth-Bulk Rotating Disk Electrode. <i>Electroanalysis</i> , 2014, 26, 1912-1919.	2.9	6
42	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.	2.9	14
43	Chemometrics applied to the analysis of induced phytochelatins in <i>Hordeum vulgare</i> plants stressed with various toxic non-essential metals and metalloids. <i>Talanta</i> , 2014, 118, 201-209.	5.5	27
44	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.	5.5	51
45	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.	3.3	19
46	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.	2.9	15
47	Evaluation of Mercury Stress in Plants from the Almad�n Mining District by Analysis of Phytochelatins and Their Hg Complexes. <i>Environmental Science &amp; Technology</i> , 2014, 48, 6256-6263.	10.0	49
48	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.	2.3	12
49	Can bismuth film screen printed carbon electrodes be used to study complexation?. <i>Talanta</i> , 2013, 107, 356-360.	5.5	13
50	Three-dimensional voltammetry assisted by parametric signal fitting: A new perspective for the electrochemical evaluation of metal binding in the presence of electrodic adsorption. <i>Analytica Chimica Acta</i> , 2013, 777, 17-24.	5.4	3
51	Coating methods, modifiers and applications of bismuth screen-printed electrodes. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 46, 15-29.	11.4	111
52	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. <i>Analyst</i> , 2013, 138, 2171.	3.5	9
53	Multivariate extension of classical equations for the study of electrochemically irreversible systems. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 119, 44-51.	3.5	1
54	Electroanalytical and isothermal calorimetric study of As(III) complexation by the metal poisoning remediators, 2,3-dimercapto-1-propanesulfonate and <i>meso</i> -2,3-dimercaptosuccinic acid. <i>Analytica Chimica Acta</i> , 2012, 746, 47-52.	5.4	12

#	ARTICLE	IF	CITATIONS
55	Chemometric Analysis of Voltammetric Data on Metal Ion Binding by Selenocystine. <i>Journal of Physical Chemistry A</i> , 2012, 116, 6526-6531.	2.5	2
56	Application of different chemometric strategies to voltammetric and UV-vis spectroscopic data to obtain a complexation model: study of the Cu(ii) binding with the phytohormone 6-benzylaminopurine. <i>Analyst, The</i> , 2012, 137, 5420.	3.5	4
57	Voltammetric Analysis of Phytochelatin Complexation in Ternary Metal Mixtures Supported by Multivariate Analysis and ESI-MS. <i>Electroanalysis</i> , 2012, 24, 309-315.	2.9	8
58	Combination of chemometrically assisted voltammetry, calorimetry, and circular dichroism as a new method for the study of bioinorganic substances: application to selenocystine metal complexes. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 321-329.	2.6	6
59	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.	3.5	19
60	From cysteine to longer chain thiols: thermodynamic analysis of cadmium binding by phytochelatin and their fragments. <i>Metallomics</i> , 2011, 3, 838.	2.4	18
61	Development and Possibilities of Multichannel Voltammetric Detection in Liquid Chromatography. <i>Electroanalysis</i> , 2011, 23, 140-146.	2.9	2
62	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.	5.4	30
63	Characterization of Hg(II) binding with different length phytochelatin using liquid chromatography and amperometric detection. <i>Analytica Chimica Acta</i> , 2011, 695, 51-57.	5.4	13
64	Electroanalysis of the binding and adsorption of Hg <sup>2+</sup> with seleno aminoacids by differential pulse and elimination voltammetry at the Au-disk electrode. <i>Electrochimica Acta</i> , 2011, 56, 5988-5992.	5.2	9
65	Optimization of experimental parameters in the determination of zinc in sea water by adsorptive stripping voltammetry. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 255-261.	0.6	8
66	Stripping analysis of heavy metals in tap water using the bismuth film electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1365-1369.	3.7	42
67	Binding of Hg <sup>2+</sup> 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.	3.8	21
68	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.	2.9	46
69	Complexation of Hg <sup>2+</sup> 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.	2.9	11
70	Electrochemical survey of the chain length influence in phytochelatin competitive binding by cadmium. <i>Analytical Biochemistry</i> , 2010, 406, 61-69.	2.4	21
71	Circular Dichroism and Voltammetry, Assisted by Multivariate Curve Resolution, and Mass Spectrometry of the Competitive Metal Binding by Phytochelatin PC <sub>5</sub> . <i>Analytical Chemistry</i> , 2010, 82, 9006-9013.	6.5	29
72	Non-linear multivariate curve resolution analysis of voltammetric pH titrations. <i>Analyst, The</i> , 2010, 135, 1653.	3.5	29

#	ARTICLE	IF	CITATIONS
73	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.	3.5	21
74	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.	2.9	16
75	Use of rotating Au-thin film electrode for the differential pulse voltammetric study of Hg <sup>2+</sup> complexation. <i>Journal of Electroanalytical Chemistry</i> , 2009, 635, 58-62.	3.8	3
76	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.	3.7	11
77	A novel differential pulse voltammetric method on rotating Au-disk electrode for the study of Hg <sup>2+</sup> binding. <i>Journal of Electroanalytical Chemistry</i> , 2009, 629, 169-179.	3.8	17
78	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.	3.7	17
79	Study of the Hg <sup>2+</sup> 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.	5.4	24
80	Binding of Hg <sup>2+</sup> with Phytochelatins: Study by Differential Pulse Voltammetry on Rotating Au-Disk Electrode, Electrospray Ionization Mass-Spectrometry, and Isothermal Titration Calorimetry. <i>Environmental Science &amp; Technology</i> , 2009, 43, 7010-7015.	10.0	27
81	Bismuth film electrodes for the study of metal thiolate complexation: An alternative to mercury electrodes. <i>Talanta</i> , 2009, 78, 1017-1022.	5.5	26
82	Chemometrics in Electrochemistry. , 2009, , 425-458.		10
83	Alternating current anodic stripping voltammetry in the study of cadmium complexation by a reference Suwannee river fulvic acid: a model case with strong electrode adsorption and weak binding. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 769-776.	3.7	1
84	Comparison of differential pulse and alternating current polarography in the soft-modelling study of the complexation of Cd(II) by the fragment Cys-Gly and by the phytochelatin (l <sup>3</sup> -Glu-Cys)2Gly. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2209-2218.	3.7	3
85	Suitability of gold-array ultramicroelectrodes for electrochemical detection in flow systems. <i>Sensors and Actuators B: Chemical</i> , 2008, 135, 381-387.	7.8	4
86	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.	5.2	10
87	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.	5.2	22
88	Thermodynamics of Cd <sup>2+</sup> and Zn <sup>2+</sup> binding by the phytochelatin (l <sup>3</sup> -Glu-Cys)4-Gly and its precursor glutathione. <i>Analytical Biochemistry</i> , 2008, 375, 82-89.	2.4	41
89	Possibilities of multivariate curve resolution and partial least squares in the resolution of coeluted peaks in liquid chromatography with electrochemical detection. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2008, 93, 49-57.	3.5	9
90	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.	3.5	34

#	ARTICLE	IF	CITATIONS
91	Potential shift correction in multivariate curve resolution of voltammetric data. General formulation and application to some experimental systems. <i>Analyst</i> , The, 2008, 133, 112-125.	3.5	38
92	Competitive Binding of Cd and Zn with the Phytochelatin ( $\gamma$ -Glu-Cys) <sub>4</sub> -Gly: Comparative Study by Mass Spectrometry, Voltammetry-Multivariate Curve Resolution, and Isothermal Titration Calorimetry. <i>Environmental Science &amp; Technology</i> , 2008, 42, 2860-2866.	10.0	38
93	Soft modelling for the resolution of highly overlapped voltammetric peaks: application to some Pb-phytochelatin systems. <i>Talanta</i> , 2007, 71, 344-352.	5.5	24
94	Determination of complex formation constants by phase sensitive alternating current polarography: Cadmium- $\alpha$ -polymethacrylic acid and cadmium- $\alpha$ -polygalacturonic acid. <i>Talanta</i> , 2007, 73, 776-782.	5.5	8
95	Chronoamperometric and Voltammetric Characterization of Gold Ultramicroelectrode Arrays. <i>Electroanalysis</i> , 2007, 19, 429-435.	2.9	8
96	Binding of Cd <sup>2+</sup> and Zn <sup>2+</sup> with the Phytochelatin ( $\gamma$ -Glu-Cys) <sub>4</sub> -Gly: A Voltammetric Study Assisted by Multivariate Curve Resolution and Electrospray Ionization Mass Spectrometry. <i>Electroanalysis</i> , 2007, 19, 310-317.	2.9	30
97	Stripping Chronopotentiometry in Environmental Analysis. <i>Electroanalysis</i> , 2007, 19, 2039-2049.	2.9	36
98	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.	5.4	33
99	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.	3.8	25
100	Chemometrics in Electroanalytical Chemistry. <i>Critical Reviews in Analytical Chemistry</i> , 2006, 36, 295-313.	3.5	44
101	Identification of heavy metal complexes of a hexapeptide inhibitor of the human immunodeficiency virus integrase protein by using a voltammetric approach. <i>Analytical Biochemistry</i> , 2006, 348, 252-258.	2.4	3
102	Chemometrics for the analysis of voltammetric data. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 86-92.	11.4	129
103	Stripping Chronopotentiometry and Stripping Voltammetry of Mixtures of Heavy Metal Ions Producing Close Signals: The Cd(II)-Pb(II)-Phthalate System. <i>Electroanalysis</i> , 2006, 18, 955-964.	2.9	4
104	Minimization of Electrode Adsorption Effects: The Cadmium- $\alpha$ -Humic Acid System Studied by Phase Sensitive Alternating Current Polarography. <i>Electroanalysis</i> , 2006, 18, 1215-1222.	2.9	5
105	Phase Sensitive Alternating Current Polarography: A Chemometric Approach for the Selection of Phase Angles. <i>Electroanalysis</i> , 2006, 18, 2405-2412.	2.9	7
106	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.	3.7	22
107	Suitability of Stripping Chronopotentiometry for Heavy Metal Speciation Using Hydrogen Peroxide as Oxidant: Application to the Cd(II)-EDTA-PMA System. <i>Electroanalysis</i> , 2005, 17, 2201-2207.	2.9	1
108	Complexation of Heavy Metals by Phytochelatin: A Voltammetric Study of the Binding of Cd <sup>2+</sup> and Zn <sup>2+</sup> Ions by the Phytochelatin ( $\gamma$ -Glu-Cys) <sub>3</sub> Gly Assisted by Multivariate Curve Resolution. <i>Environmental Science &amp; Technology</i> , 2005, 39, 778-786.	10.0	45

#	ARTICLE	IF	CITATIONS
109	Multivariate Resolution of Coeluted Peaks in Hyphenated Liquid Chromatography - Linear Sweep Voltammetry. <i>Electroanalysis</i> , 2003, 15, 499-508.	2.9	25
110	Differential Pulse Polarography of the Zn <sup>2+</sup> Complexation by Glutathione Fragments Cys-Gly and gamma-Glu-Cys. <i>Electroanalysis</i> , 2003, 15, 1177-1184.	2.9	9
111	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.	3.8	28
112	Voltammetry Assisted by Multivariate Analysis as a Tool for Speciation of Metallothioneins: Competitive Complexation of $\hat{1}\pm$ - and $\hat{1}^2$ -Metallothionein Domains with Cadmium and Zinc. <i>Environmental Science &amp; Technology</i> , 2003, 37, 5609-5616.	10.0	49
113	Study of Cd <sup>2+</sup> complexation by the glutathione fragments Cys-Gly (CG) and $\hat{1}^3$ -Glu-Cys ( $\hat{1}^3$ -EC) by differential pulse polarography. <i>Analyst, The</i> , 2002, 127, 401.	3.5	21
114	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.	2.9	10
115	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.	2.9	14
116	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.	5.4	21
117	Differential pulse voltammetric study of the complexation of Cd(II) by the phytochelatin ( $\hat{1}^3$ -Glu-Cys) <sub>2</sub> Gly assisted by multivariate curve resolution. <i>Journal of Electroanalytical Chemistry</i> , 2002, 520, 111-118.	3.8	57
118	Comparison of the zinc-cadmium exchange properties of the metallothionein related peptide {Lys-Cys-Thr-Cys-Cys-Ala} and a zinc-containing metallothionein: study by voltammetry and multivariate curve resolution. <i>Journal of Electroanalytical Chemistry</i> , 2002, 523, 114-125.	3.8	16
119	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.	3.5	32
120	Voltammetric Analysis of Heterogeneity in Metal Ion Binding by Humics. <i>Environmental Science &amp; Technology</i> , 2001, 35, 1097-1102.	10.0	30
121	Voltammetric Soft Modelling Approach for Systems with Both Electrochemically Labile and Inert Complexes: the Zn-Glycine Case. <i>Electroanalysis</i> , 2001, 13, 1405-1410.	2.9	14
122	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.	5.4	19
123	Soft modelling approach applied to voltammetric data: study of electrochemically labile metal-glycine complexes. <i>Journal of Electroanalytical Chemistry</i> , 2001, 505, 44-53.	3.8	25
124	Differential pulse polarographic study of the Pb(II) complexation by glutathione. <i>Journal of Electroanalytical Chemistry</i> , 2001, 516, 110-118.	3.8	39
125	Heterogeneity of Cd(II)-Macromolecule Systems: A Potentiometric Study. <i>Electroanalysis</i> , 2000, 12, 60-65.	2.9	6
126	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.	2.4	41



#	ARTICLE	IF	CITATIONS
127	Heavy Metal Binding by Tannic Acid: A Voltammetric Study. <i>Electroanalysis</i> , 2000, 12, 1130-1137.	2.9	55
128	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.	5.4	32
129	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.	11.4	145
130	Application of electroanalytical methods to the characterization of metallothioneins and related molecules. <i>Cellular and Molecular Biology</i> , 2000, 46, 237-56.	0.9	11
131	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)-nitritriacetate-polymethacrylate system. <i>Journal of Electroanalytical Chemistry</i> , 1999, 462, 157-173.	3.8	6
132	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.	3.8	26
133	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.	3.8	15
134	Zinc-binding properties of the C-terminal hexapeptide Lys-Cys-Thr-Cys-Cys-Ala from mouse metallothionein: analysis by differential pulse polarography and multivariate curve resolution. <i>Analytica Chimica Acta</i> , 1999, 385, 353-363.	5.4	17
135	Optimisation of resolution function in signals ratio method and deconvolution by polynomial division - quantitation of Cd(II) and In(III) from their global signals obtained at carbon fibre disk ultramicroelectrode. <i>Analytica Chimica Acta</i> , 1999, 382, 105-115.	5.4	6
136	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.	5.4	27
137	Three-Dimensional Voltammetric Study on the Applicability of Leden Functions to the Analysis of Nonlabile Complexes: The Cd(II)-NTA System. <i>Electroanalysis</i> , 1999, 11, 93-100.	2.9	8
138	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.	6.5	53
139	Metal complexation model identification and the detection and elimination of erroneous points using evolving least-squares fitting of voltammetric data. <i>Analytica Chimica Acta</i> , 1998, 363, 261-278.	5.4	3
140	Multivariate curve resolution analysis of voltammetric data obtained at different time windows: study of the system Cd <sup>2+</sup> -nitritriacetic acid. <i>Analytica Chimica Acta</i> , 1998, 371, 23-37.	5.4	25
141	Anodic Stripping Voltammetry of Metal Ions in Mixtures of Ligands. <i>Electroanalysis</i> , 1998, 10, 417-422.	2.9	7
142	Amalgamation effects in reverse pulse polarography at spherical electrodes. Influence on speciation measurements. <i>Journal of Electroanalytical Chemistry</i> , 1998, 442, 151-167.	3.8	17
143	Voltammetry of metal ions in mixtures of ligands. <i>Journal of Electroanalytical Chemistry</i> , 1998, 453, 151-159.	3.8	8
144	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.	3.5	58

#	ARTICLE	IF	CITATIONS
145	Multivariate Curve Resolution: A Possible Tool in the Detection of Intermediate Structures in Protein Folding. <i>Biophysical Journal</i> , 1998, 74, 2876-2888.	0.5	53
146	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.	3.8	15
147	Cadmium-binding properties of glutathione: A chemometrical analysis of voltammetric data. <i>Journal of Inorganic Biochemistry</i> , 1997, 66, 29-36.	3.5	77
148	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.	3.8	17
149	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.	3.8	15
150	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.	5.4	19
151	Determination of small amounts of analytes in the presence of a large excess of one analyte from multi-analyte global signals of differential-pulse voltammetry and related techniques with the signal ratio resolution method. <i>Analyst, The</i> , 1996, 121, 1845.	3.5	7
152	Evolving polynomial regression and error analysis in model identification and determination of consecutive stability constants using voltammetric methods. <i>Analytica Chimica Acta</i> , 1996, 325, 135-149.	5.4	3
153	Voltammetry of MnII and CoII in the presence of polymethacrylate. <i>Electroanalysis</i> , 1996, 8, 460-464.	2.9	4
154	Application of Multivariate Curve Resolution to Voltammetric Data. <i>Analytical Biochemistry</i> , 1996, 240, 134-141.	2.4	74
155	Disposition of antimony after the administration of N-methylglucamine antimoniate to dogs. <i>Veterinary Record</i> , 1996, 138, 181-183.	0.3	29
156	Influence of adsorption on calibration curves in normal pulse polarography. <i>Analytica Chimica Acta</i> , 1995, 305, 273-284.	5.4	11
157	Voltammetry of Pb(II), Cd(II) and Zn(II) ions in the presence of the sulphated polysaccharide $\beta$ -carrageenan. <i>Analytica Chimica Acta</i> , 1995, 310, 121-129.	5.4	13
158	Signals ratio method for resolution enhancement in differential pulse polarography and related techniques. <i>Analytica Chimica Acta</i> , 1995, 312, 27-34.	5.4	16
159	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.	3.8	59
160	Suitability of Polystyrene for Voltammetric Cells: A Differential Pulse Anodic Stripping Voltammetric Study. <i>Analytical Chemistry</i> , 1994, 66, 1548-1551.	6.5	12
161	Expert system for the voltammetric determination of trace metals. <i>Analytica Chimica Acta</i> , 1994, 285, 377-389.	5.4	13
162	Expert system for the voltammetric determination of trace metals. <i>Analytica Chimica Acta</i> , 1994, 285, 193-208.	5.4	25

#	ARTICLE	IF	CITATIONS
163	Voltammetry of macromolecular metal complexes involving a nonreversible process: The Ni(II)-polymethacrylate system. <i>Electroanalysis</i> , 1994, 6, 633-638.	2.9	1
164	Stripping electroanalytical techniques in environmental analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 1994, 13, 110-117.	11.4	25
165	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.	3.8	24
166	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.	3.8	33
167	Voltammetry of Cu(II) in the presence of polymethacrylate. <i>Analytica Chimica Acta</i> , 1993, 273, 289-296.	5.4	19
168	Semi-empirical full-wave expression for induced reactant adsorption in normal pulse polarography of labile metal + polyelectrolyte systems. <i>Analytica Chimica Acta</i> , 1993, 273, 297-304.	5.4	9
169	General voltammetric method for studying metal complexation in macromolecular systems. <i>Analytica Chimica Acta</i> , 1993, 281, 271-280.	5.4	3
170	Expert system for the voltammetric determination of trace metals. <i>Analytica Chimica Acta</i> , 1993, 284, 435-443.	5.4	11
171	Polarography and stripping voltammetry of metal-polycarboxylate complexes: The Cu(II)-polyacrylate system. <i>Electroanalysis</i> , 1993, 5, 677-684.	2.9	9
172	Voltammetry of metal ion + macromolecule interactions: Application to speciation problems. <i>TrAC - Trends in Analytical Chemistry</i> , 1993, 12, 276-286.	11.4	19
173	Polarography and differential pulse anodic stripping voltammetry of Pb(II)/polycarboxylate complexes. <i>Journal of Electroanalytical Chemistry</i> , 1993, 344, 119-134.	3.8	8
174	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.	3.8	17
175	Factors affecting the stability of ceftriaxone sodium in solution on storage. <i>International Journal of Pharmaceutics</i> , 1993, 92, 47-53.	5.2	6
176	Voltammetric study of some macromolecule + metal complexes. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992, 59, 297-312.	0.6	5
177	Stripping voltammetry of metal complexes: interferences from adsorption onto cell components. <i>Analytical Chemistry</i> , 1992, 64, 1769-1776.	6.5	58
178	Computer-aided voltammetric method development employing a knowledge-based expert system. <i>TrAC - Trends in Analytical Chemistry</i> , 1992, 11, 135-142.	11.4	8
179	Induced reactant adsorption in normal pulse polarography of labile metal + polyelectrolyte systems. <i>Journal of Electroanalytical Chemistry</i> , 1992, 328, 271-285.	3.8	19
180	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.	3.8	25

#	ARTICLE	IF	CITATIONS
181	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.	3.8	25
182	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.	2.8	15
183	Induced reactant adsorption in metal polyelectrolyte systems: pulse polarographic study. <i>Analytica Chimica Acta</i> , 1992, 268, 261-274.	5.4	43
184	Expert system for the voltammetric determination of trace metals. <i>Analytica Chimica Acta</i> , 1992, 268, 95-105.	5.4	26
185	Expert system for the voltammetric determination of trace metals. <i>Analytica Chimica Acta</i> , 1992, 268, 107-114.	5.4	17
186	Protolytic control in stripping voltammetric titrations of metal polyacid complexes. <i>Analytica Chimica Acta</i> , 1992, 264, 163-175.	5.4	28
187	Voltammetric study of zinc(II) and lead(II) ions in the presence of alginate and pectin. <i>Electroanalysis</i> , 1992, 4, 757-764.	2.9	17
188	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.	2.9	30
189	Voltammetric study of cadmium(II) ion in the presence of polysaccharides. <i>Electroanalysis</i> , 1991, 3, 309-318.	2.9	23
190	Analytical Determination of N-(2-Mercapto Propionyl)Glycine (Tiopronin) by Voltammetric Methods. <i>Analytical Letters</i> , 1991, 24, 1183-1199.	1.8	3
191	Cyclic voltammetry of metal/polyelectrolyte complexes: Complexes of cadmium and lead with deoxyribonucleic acid. <i>Electroanalysis</i> , 1990, 2, 35-41.	2.9	15
192	Direct-current, normal-pulse and reverse-pulse polarography of some heavy metal polycarboxylate complexes. <i>Analytica Chimica Acta</i> , 1990, 229, 93-100.	5.4	33
193	Cathodic Stripping Voltammetric Study Of DL-N-Acetylhomocysteine Thiolactone (Citolone). <i>Analytical Letters</i> , 1990, 23, 981-993.	1.8	1
194	Metal Speciation in Polyelectrolytic Systems by Differential Pulse Anodic Stripping Voltammetry. <i>International Journal of Environmental Analytical Chemistry</i> , 1990, 38, 75-83.	3.3	36
195	Polarographic behaviour of several amidoximes and their copper (II) and mercury (II) complexes. <i>Electrochimica Acta</i> , 1989, 34, 1433-1438.	5.2	0
196	Pulse polarographic study of the behaviour of some o,o'-dihydroxyazo-compounds. <i>Collection of Czechoslovak Chemical Communications</i> , 1989, 54, 1219-1226.	1.0	3
197	Anodic behaviour of 2-mercaptoethanol at a mercury electrode. <i>Analytica Chimica Acta</i> , 1988, 206, 65-74.	5.4	11
198	Determination of stability constants from polarographic anodic signals for metal complexes with some s-containing ligands. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 241, 113-123.	0.1	2

#	ARTICLE	IF	CITATIONS
199	Anodic oxidation of mercury in the presence of thioether acids: ethane-1,2-bis-mercaptoacetic acid. <i>Electrochimica Acta</i> , 1987, 32, 67-69.	5.2	3
200	Anodic oxidation of mercury in the presence of thioether acids: Methane-1,1-bis-mercaptoacetic acid. <i>Collection of Czechoslovak Chemical Communications</i> , 1987, 52, 616-625.	1.0	3
201	Formation constants of some mercury(II) complexes determined from their anodic polarographic signals. <i>Talanta</i> , 1986, 33, 843-846.	5.5	6
202	Anodic oxidation of mercury in the presence of thioether acids: 2,2-thiobisacetic acid and 3,3-thiobispropanoic acid. <i>Electrochimica Acta</i> , 1986, 31, 327-334.	5.2	9
203	Anodic oxidation of mercury in the presence of thioether acids. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1986, 213, 65-73.	0.1	4
204	Cathodic stripping voltammetry of thioether acids. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1986, 215, 103-110.	0.1	1
205	Cathodic stripping voltammetry of 2-mercaptoethanol. <i>Analytica Chimica Acta</i> , 1985, 176, 113-119.	5.4	16
206	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 2,2-thiobisacetato complexes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1985, 194, 11-25.	0.1	9
207	Thermometric behaviour of (methylthio)acetic, thiodiacetic and 3,3'-thiodipropanoic acids. <i>Thermochimica Acta</i> , 1982, 55, 1-10.	2.7	13