

Josã© Manuel Dã-az-Cruz

List of Publications by Year in descending order

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180
papers

4,045
citations

117453

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189595

50
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all docs

184
docs citations

184
times ranked

2890
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced voltammetric performance of sensors based on oxidized 2D layered black phosphorus. <i>Talanta</i> , 2022, 238, 123036.	2.9	3
2	A hybrid sensing system combining simultaneous optical and electrochemical measurements: Application to beer discrimination. <i>Talanta</i> , 2022, 241, 123273.	2.9	4
3	Voltammetric Determination of Active Pharmaceutical Ingredients Using Screen-Printed Electrodes. <i>Chemosensors</i> , 2022, 10, 95.	1.8	6
4	Simultaneous determination of iron and copper using screen-printed carbon electrodes by adsorptive stripping voltammetry with o-phenanthroline. <i>Microchemical Journal</i> , 2022, 179, 107597.	2.3	8
5	Antimony nanomaterials modified screen-printed electrodes for the voltammetric determination of metal ions. <i>Electrochimica Acta</i> , 2022, 425, 140690.	2.6	9
6	Considerations on the use of spectroelectrochemistry in reflection mode for quantitative analysis: Study of the Fe(III)/Fe(II) " orthophenanthroline system. <i>Microchemical Journal</i> , 2022, 181, 107678.	2.3	3
7	Discrimination of Beers by Cyclic Voltammetry Using a Single Carbon Screen-Printed Electrode. <i>Electroanalysis</i> , 2021, 33, 864-872.	1.5	11
8	Determination of Trace Levels of Nickel(II) by Adsorptive Stripping Voltammetry Using a Disposable and Low-Cost Carbon Screen-Printed Electrode. <i>Chemosensors</i> , 2021, 9, 94.	1.8	17
9	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
10	Authentication of Spices and Herbs by Chromatographic Techniques. , 2021, , 157-185.		1
11	Vibrating boron-doped diamond electrode: A new, durable and highly sensitive tool for the detection of cadmium. <i>Analytica Chimica Acta</i> , 2021, 1188, 339166.	2.6	5
12	Enhanced voltammetric determination of metal ions by using a bismuthene-modified screen-printed electrode. <i>Electrochimica Acta</i> , 2020, 362, 137144.	2.6	25
13	A Chemometric Survey about the Ability of Voltammetry to Discriminate Pharmaceutical Products from the Evolution of Signals as a Function of pH. <i>Chemosensors</i> , 2020, 8, 46.	1.8	3
14	MCR-ALS of voltammetric data for the study of environmentally relevant substances. <i>Microchemical Journal</i> , 2020, 158, 105177.	2.3	7
15	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
16	Authentication of paprika using HPLC-UV fingerprints. <i>LWT - Food Science and Technology</i> , 2020, 124, 109153.	2.5	15
17	New Approach to Multivariate Standard Addition Based on Multivariate Curve Resolution by Alternating Least-Squares: Application to Voltammetric Data. <i>Analytical Chemistry</i> , 2020, 92, 3396-3402.	3.2	5
18	An elegant technology for ultrasensitive impedimetric and voltammetric determination of cholestanol based on a novel molecularly imprinted electrochemical sensor. <i>Chemistry and Physics of Lipids</i> , 2020, 229, 104895.	1.5	49

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19	Screen-Printed Electrodes for the Voltammetric Sensing of Benzotriazoles in Water. <i>Sensors</i> , 2020, 20, 1839.	2.1	6
20	Multivariate Calibration. <i>Monographs in Electrochemistry</i> , 2019, , 87-129.	0.2	0
21	Chemometrics in Electroanalysis. <i>Monographs in Electrochemistry</i> , 2019, , .	0.2	11
22	Expanding the possibilities of electrografting modification of voltammetric sensors through two complementary strategies. <i>Electrochimica Acta</i> , 2019, 319, 878-884.	2.6	9
23	Voltammetric Electronic Tongues in Food Analysis. <i>Sensors</i> , 2019, 19, 4261.	2.1	28
24	Commercial Screen-Printed Electrodes Based on Carbon Nanomaterials for a Fast and Cost-Effective Voltammetric Determination of Paracetamol, Ibuprofen and Caffeine in Water Samples. <i>Sensors</i> , 2019, 19, 4039.	2.1	47
25	Screen-printed electrodes modified with green-synthesized gold nanoparticles for the electrochemical determination of aminothiols. <i>Journal of Electroanalytical Chemistry</i> , 2019, 847, 113184.	1.9	17
26	Novel Methodologies for Food Quality and Provenance Fingerprints Assessment. <i>Journal of Food Quality</i> , 2019, 2019, 1-2.	1.4	0
27	New discrimination tools for harvest year and varieties of white wines based on hydrophilic interaction liquid chromatography with amperometric detection. <i>Talanta</i> , 2019, 201, 104-110.	2.9	10
28	Dimethylglyoxime modified screen-printed electrodes for nickel determination. <i>Journal of Electroanalytical Chemistry</i> , 2019, 839, 83-89.	1.9	17
29	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.	2.9	8
30	First application of carbon-based screen-printed electrodes for the voltammetric determination of the organic UV filters oxybenzone and octocrylene. <i>Talanta</i> , 2019, 196, 381-388.	2.9	14
31	Main Characteristics and Types of Electroanalytical Data. <i>Monographs in Electrochemistry</i> , 2019, , 7-31.	0.2	1
32	Multivariate Curve Resolution. <i>Monographs in Electrochemistry</i> , 2019, , 131-183.	0.2	1
33	Potentiometric Stripping Analysis. , 2018, , 230-230.		1
34	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.	2.1	20
35	Methods for Extraction of Muscle Proteins from Meat and Fish Using Denaturing and Nondenaturing Solutions. <i>Journal of Food Quality</i> , 2018, 2018, 1-9.	1.4	21
36	Screen-Printed Electrodes for the Determination of Iridium in Drugs. <i>Electroanalysis</i> , 2018, 30, 2925-2930.	1.5	0

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37	Characterization and classification of Spanish paprika (<i>Capsicum annuum</i> L.) by liquid chromatography coupled to electrochemical detection with screen-printed carbon-based nanomaterials electrodes. <i>Talanta</i> , 2018, 189, 296-301.	2.9	30
38	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
39	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
40	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
41	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
42	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
43	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.	1.5	8
44	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
45	Voltammetric determination of metal ions beyond mercury electrodes. A review. <i>Analytica Chimica Acta</i> , 2017, 990, 11-53.	2.6	131
46	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
47	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
48	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.	1.8	6
49	Voltammetric Determination of Anti-Hypertensive Drug Hydrochlorothiazide Using Screen-Printed Electrodes Modified with L-Glutamic Acid. <i>Chemosensors</i> , 2017, 5, 25.	1.8	9
50	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
51	Integration of Commercial Screen-Printed Electrodes into a Voltammetric Electronic Tongue for the Analysis of Amino Thiols. <i>Electroanalysis</i> , 2016, 28, 1570-1577.	1.5	7
52	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
53	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
54	Ex-situ Antimony Screen-Printed Carbon Electrode for Voltammetric Determination of Ni(II) Ions in Wastewater. <i>Electroanalysis</i> , 2016, 28, 640-644.	1.5	19

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55	Antimony- based electrodes for analytical determinations. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 77, 203-213.	5.8	84
56	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.	1.8	9
57	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
58	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.	1.5	5
59	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
60	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
61	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
62	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
63	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.	1.5	6
64	Commercial Screen-Printed Gold Electrodes for the Detection and Quantification of Aminothiols in Human Plasma by Liquid Chromatography with Electrochemical Detection. <i>Electroanalysis</i> , 2014, 26, 581-587.	1.5	14
65	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.	2.9	27
66	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
67	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
68	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
69	Evaluation of Mercury Stress in Plants from the AlmadÃ©n Mining District by Analysis of Phytochelatins and Their Hg Complexes. <i>Environmental Science & Technology</i> , 2014, 48, 6256-6263.	4.6	49
70	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
71	Can bismuth film screen printed carbon electrodes be used to study complexation?. <i>Talanta</i> , 2013, 107, 356-360.	2.9	13
72	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.	2.6	3

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73	Coating methods, modifiers and applications of bismuth screen-printed electrodes. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 46, 15-29.	5.8	111
74	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, The</i> , 2013, 138, 2171.	1.7	9
75	Multivariate extension of classical equations for the study of electrochemically irreversible systems. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 119, 44-51.	1.8	1
76	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
77	Chemometric Analysis of Voltammetric Data on Metal Ion Binding by Selenocystine. <i>Journal of Physical Chemistry A</i> , 2012, 116, 6526-6531.	1.1	2
78	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.	1.7	4
79	Voltammetric Analysis of Phytochelatin Complexation in Ternary Metal Mixtures Supported by Multivariate Analysis and ESI-MS. <i>Electroanalysis</i> , 2012, 24, 309-315.	1.5	8
80	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.	1.1	6
81	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
82	From cysteine to longer chain thiols: thermodynamic analysis of cadmium binding by phytochelatin and their fragments. <i>Metallomics</i> , 2011, 3, 838.	1.0	18
83	Development and Possibilities of Multichannel Voltammetric Detection in Liquid Chromatography. <i>Electroanalysis</i> , 2011, 23, 140-146.	1.5	2
84	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
85	Characterization of Hg(II) binding with different length phytochelatin using liquid chromatography and amperometric detection. <i>Analytica Chimica Acta</i> , 2011, 695, 51-57.	2.6	13
86	Electroanalysis of the binding and adsorption of Hg ²⁺ with seleno aminoacids by differential pulse and elimination voltammetry at the Au-disk electrode. <i>Electrochimica Acta</i> , 2011, 56, 5988-5992.	2.6	9
87	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
88	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
89	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
90	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

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91	Electrochemical survey of the chain length influence in phytochelatin competitive binding by cadmium. <i>Analytical Biochemistry</i> , 2010, 406, 61-69.	1.1	21
92	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
93	Non-linear multivariate curve resolution analysis of voltammetric pH titrations. <i>Analyst</i> , The, 2010, 135, 1653.	1.7	29
94	Cadmium binding in mixtures of phytochelatin and their fragments: A voltammetric study assisted by multivariate curve resolution and mass spectrometry. <i>Analyst</i> , The, 2010, 135, 86-95.	1.7	21
95	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
96	Use of rotating Au-thin film electrode for the differential pulse voltammetric study of Hg ²⁺ complexation. <i>Journal of Electroanalytical Chemistry</i> , 2009, 635, 58-62.	1.9	3
97	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
98	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
99	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
100	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
101	Binding of Hg ²⁺ with Phytochelatin: 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
102	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
103	Chemometrics in Electrochemistry. , 2009, , 425-458.		10
104	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.	1.9	1
105	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 (¹³ -Glu-Cys) ₂ Gly. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2209-2218.	1.9	3
106	Suitability of gold-array ultramicroelectrodes for electrochemical detection in flow systems. <i>Sensors and Actuators B: Chemical</i> , 2008, 135, 381-387.	4.0	4
107	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
108	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

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109	Thermodynamics of Cd ²⁺ and Zn ²⁺ binding by the phytochelatin (γ -Glu-Cys) ₄ -Gly and its precursor glutathione. <i>Analytical Biochemistry</i> , 2008, 375, 82-89.	1.1	41
110	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.	1.8	9
111	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</i> , 2008, 133, 470.	1.7	34
112	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
113	Competitive Binding of Cd and Zn with the Phytochelatin (γ -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
114	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
115	Determination of complex formation constants by phase sensitive alternating current polarography: Cadmium-polymethacrylic acid and cadmium-polygalacturonic acid. <i>Talanta</i> , 2007, 73, 776-782.	2.9	8
116	Chronoamperometric and Voltammetric Characterization of Gold Ultramicroelectrode Arrays. <i>Electroanalysis</i> , 2007, 19, 429-435.	1.5	8
117	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
118	Stripping Chronopotentiometry in Environmental Analysis. <i>Electroanalysis</i> , 2007, 19, 2039-2049.	1.5	36
119	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
120	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
121	Chemometrics in Electroanalytical Chemistry. <i>Critical Reviews in Analytical Chemistry</i> , 2006, 36, 295-313.	1.8	44
122	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.	1.1	3
123	Adsorptive accumulation in constant current stripping chronopotentiometry as an alternative for the electrochemical study of metal complexation by thiol-containing peptides. <i>Journal of Electroanalytical Chemistry</i> , 2006, 591, 105-117.	1.9	35
124	Chemometrics for the analysis of voltammetric data. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 86-92.	5.8	129
125	Constant Current Stripping Chronopotentiometry for the Study of Adsorbing Inert and Electrochemically Nonreversible Metal Complexes at Low Concentrations: Application to Cd and Zn Metallothioneins. <i>Electroanalysis</i> , 2006, 18, 169-176.	1.5	16
126	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.	1.5	4

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127	Minimization of Electrode Adsorption Effects: The Cadmium-Humic Acid System Studied by Phase Sensitive Alternating Current Polarography. <i>Electroanalysis</i> , 2006, 18, 1215-1222.	1.5	5
128	Phase Sensitive Alternating Current Polarography: A Chemometric Approach for the Selection of Phase Angles. <i>Electroanalysis</i> , 2006, 18, 2405-2412.	1.5	7
129	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
130	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.	1.5	1
131	Complexation of Heavy Metals by Phytochelatin: A Voltammetric Study of the Binding of Cd ²⁺ and Zn ²⁺ Ions by the Phytochelatin (γ -Glu-Cys) ₃ Gly Assisted by Multivariate Curve Resolution. <i>Environmental Science & Technology</i> , 2005, 39, 778-786.	4.6	45
132	Multivariate Resolution of Coeluted Peaks in Hyphenated Liquid Chromatography - Linear Sweep Voltammetry. <i>Electroanalysis</i> , 2003, 15, 499-508.	1.5	25
133	Differential Pulse Polarography of the Zn ²⁺ Complexation by Glutathione Fragments Cys-Gly and γ -Glu-Cys. <i>Electroanalysis</i> , 2003, 15, 1177-1184.	1.5	9
134	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
135	Voltammetry Assisted by Multivariate Analysis as a Tool for Speciation of Metallothioneins: A Competitive Complexation of β - and γ -Metallothionein Domains with Cadmium and Zinc. <i>Environmental Science & Technology</i> , 2003, 37, 5609-5616.	4.6	49
136	Study of Cd ²⁺ complexation by the glutathione fragments Cys-Gly (CG) and γ -Glu-Cys (γ -EC) by differential pulse polarography. <i>Analyst</i> , 2002, 127, 401.	1.7	21
137	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
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