

Angela Molina

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

219
papers

2,935
citations

25
h-index

35
g-index

224
ext. papers

3,176
ext. citations

4.7
avg, IF

5.21
L-index

#	Paper	IF	Citations
219	Impact experiments at the Interface between Two Immiscible Electrolyte Solutions (ITIES). <i>Current Opinion in Electrochemistry</i> , 2021 , 26, 100664	7.2	1
218	Insights into the Voltammetry of Cavity Microelectrodes Filled with Metal Powders: The Value of Square Wave Voltammetry. <i>ChemElectroChem</i> , 2021 , 8, 735-744	4.3	
217	Spectroelectrochemistry for the study of reversible electrode reactions with complex stoichiometries. <i>Electrochemistry Communications</i> , 2021 , 123, 106915	5.1	3
216	Cyclic square wave voltammetry of electrode reactions with nonunity stoichiometry. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 873, 114421	4.1	2
215	Voltammetry at microelectrodes of reversible electrode reactions with complex stoichiometry: A general analytical theoretical framework. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 872, 113932	4.1	2
214	General Explicit Mathematical Solution for the Voltammetry of Nonunity Stoichiometry Electrode Reactions: Diagnosis Criteria in Cyclic Voltammetry. <i>Analytical Chemistry</i> , 2020 , 92, 3728-3734	7.8	8
213	Differential double pulse voltammetry (DDPV) and additive differential pulse voltammetry (ADPV) applied to the study of the ACDT mechanism. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 2819-2831	2.6	1
212	Microelectrode arrays with active-area geometries defined by spatial light modulation. <i>Electrochimica Acta</i> , 2020 , 356, 136849	6.7	2
211	Analytical theory for ion transfer Electron transfer coupled reactions at redox layer modified/thick film modified electrodes. <i>Current Opinion in Electrochemistry</i> , 2020 , 19, 78-87	7.2	8
210	Guidelines for the Voltammetric Study of Electrode Reactions with Coupled Chemical Kinetics at an Arbitrary Electrode Geometry. <i>Analytical Chemistry</i> , 2019 , 91, 6072-6079	7.8	3
209	Quantitative Analysis of Cyclic Voltammetry of Redox Monolayers Adsorbed on Semiconductors: Isolating Electrode Kinetics, Lateral Interactions, and Diode Currents. <i>Analytical Chemistry</i> , 2019 , 91, 5929-5937	7.8	23
208	Kinetic Influence of Surface Charge Transfer Reactions Preceded by Non-Electrochemical Processes on the Response in Cyclic Voltammetry. <i>ChemElectroChem</i> , 2019 , 6, 473-484	4.3	1
207	Double Transfer Voltammetry in Two-Polarizable Interface Systems: Effects of the Lipophilicity and Charge of the Target and Compensating Ions. <i>Analytical Chemistry</i> , 2018 , 90, 3402-3408	7.8	2
206	Theoretical Treatment of Ion Transfers in Two Polarizable Interface Systems When the Analyte Has Access to Both Interfaces. <i>Analytical Chemistry</i> , 2018 , 90, 2088-2094	7.8	5
205	Carbon Support Effects and Mechanistic Details of the Electrocatalytic Activity of Polyoxometalates Investigated via Square Wave Voltacoulometry. <i>ACS Catalysis</i> , 2017 , 7, 1501-1511	13.1	7
204	General theoretical treatment of simple and facilitated ion transfer processes at the most common liquid/liquid microinterfaces. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 326-334	8.5	3
203	Microelectrode voltammetry of multi-electron transfers complicated by coupled chemical equilibria: a general theory for the extended square scheme. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 16464-16476	3.6	4

202	Reprint of Analytical theoretical approach to the transient and steady state voltammetric response of reaction mechanisms. Linear diffusion and reaction layers at micro- and submicroelectrodes of arbitrary geometry <i>Journal of Electroanalytical Chemistry</i> , 2017 , 793, 104-112	4.1	0
201	Single Fusion Events at Polarized Liquid-Liquid Interfaces. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 782-785	16.4	24
200	Single Fusion Events at Polarized Liquid-Liquid Interfaces. <i>Angewandte Chemie</i> , 2017 , 129, 800-803	3.6	13
199	Electrochemical and Computational Study of Ion Association in the Electroreduction of PW12O403 <i>Journal of Physical Chemistry C</i> , 2017 , 121, 26751-26763	3.8	8
198	Characterization of inclusion complexes of organic ions with hydrophilic hosts by ion transfer voltammetry with solvent polymeric membranes. <i>Talanta</i> , 2017 , 164, 636-644	6.2	6
197	Reproducible flaws unveil electrostatic aspects of semiconductor electrochemistry. <i>Nature Communications</i> , 2017 , 8, 2066	17.4	47
196	Sensing and characterization of neurotransmitter 2-phenylethylamine based on facilitated ion transfer at solvent polymeric membranes using different electrochemical techniques. <i>Sensors and Actuators B: Chemical</i> , 2016 , 222, 930-936	8.5	10
195	Staircase, cyclic and differential voltammetries of the nine-member square scheme at microelectrodes of any geometry with arbitrary chemical stabilization of the three redox states. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 3239-3253	2.6	5
194	The reaction layer at microdiscs: A cornerstone for the analytical theoretical treatment of homogeneous chemical kinetics at non-uniformly accessible microelectrodes. <i>Electrochemistry Communications</i> , 2016 , 71, 18-22	5.1	12
193	Voltammetry of the aqueous complexation-dissociation coupled to transfer (ACDT) mechanism with charged ligands. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 17091-104	3.6	5
192	Brute force (or not so brute) digital simulation in electrochemistry revisited. <i>Chemical Physics Letters</i> , 2016 , 643, 71-76	2.5	6
191	A Comprehensive Voltammetric Characterisation of ECE Processes. <i>Electrochimica Acta</i> , 2016 , 195, 230-245	2.4	11
190	Some Fundamental Concepts. <i>Monographs in Electrochemistry</i> , 2016 , 1-66	0.8	
189	Single Pulse Voltammetry: Reversible Electrochemical Reactions. <i>Monographs in Electrochemistry</i> , 2016 , 67-131	0.8	
188	Multipulse and Sweep Voltammetries I. <i>Monographs in Electrochemistry</i> , 2016 , 317-374	0.8	1
187	Multipulse and Sweep Voltammetries II. <i>Monographs in Electrochemistry</i> , 2016 , 375-462	0.8	
186	Differential Multipulse and Square Wave Voltammetries. <i>Monographs in Electrochemistry</i> , 2016 , 463-580	0.8	
185	Pulse Voltammetry in Physical Electrochemistry and Electroanalysis. <i>Monographs in Electrochemistry</i> , 2016 ,	0.8	36

184	Single Pulse Voltammetry: Non-reversible and Complex Electrochemical Reactions. <i>Monographs in Electrochemistry</i> , 2016 , 133-227	0.8	
183	Double Pulse Voltammetries. <i>Monographs in Electrochemistry</i> , 2016 , 229-316	0.8	1
182	Transfer of complexed and dissociated ionic species at soft interfaces: a voltammetric study of chemical kinetic and diffusional effects. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 10158-72	3.6	6
181	Carglumic acid enhances rapid ammonia detoxification in classical organic acidurias with a favourable risk-benefit profile: a retrospective observational study. <i>Orphanet Journal of Rare Diseases</i> , 2016 , 11, 32	4.2	29
180	Analytical theoretical approach to the transient and steady state voltammetric response of reaction mechanisms. Linear diffusion and reaction layers at micro- and submicroelectrodes of arbitrary geometry. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 782, 59-66	4.1	4
179	Analytical approach to the transient and steady-state Cyclic Voltammetry of non-reversible electrode processes. Defining the transition from macro to microelectrodes. <i>Electrochimica Acta</i> , 2016 , 213, 911-926	6.7	4
178	Linear Sweep and Cyclic Voltammetries of Reversible Ion Transfer Processes at Macro- and Microcapillaries under Transient Regime. <i>Electroanalysis</i> , 2015 , 27, 93-100	3	6
177	Effects of Unequal Diffusion Coefficients and Coupled Chemical Equilibria on Square Wave Voltammetry at Disc and Hemispherical Microelectrodes. <i>Electrochimica Acta</i> , 2015 , 176, 1044-1053	6.7	8
176	Reverse Pulse Voltammetry at Spherical and Disc Microelectrodes: Characterization of Homogeneous Chemical Equilibria and Their Impact on the Species Diffusivities. <i>Electrochimica Acta</i> , 2015 , 169, 300-309	6.7	6
175	Advances in Copper Electrodeposition in Chloride Excess. A Theoretical and Experimental Approach. <i>Electrochimica Acta</i> , 2015 , 164, 187-195	6.7	22
174	Analytical solutions for fast and straightforward study of the effect of the electrode geometry in transient and steady state voltammetries: Single- and multi-electron transfers, coupled chemical reactions and electrode kinetics. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 756, 1-21	4.1	21
173	Recent Advances in Voltammetry. <i>ChemistryOpen</i> , 2015 , 4, 224-60	2.3	91
172	Normal Pulse Voltammetry and Steady State Voltammetry of the Square Mechanism at Spherical Microelectrodes. <i>Electroanalysis</i> , 2015 , 27, 970-979	3	4
171	Differential double pulse voltammetry at spherical microelectrodes for the characterization of the square mechanism. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 741, 140-148	4.1	3
170	Application of voltammetric techniques at microelectrodes to the study of the chemical stability of highly reactive species. <i>Analytical Chemistry</i> , 2015 , 87, 1676-84	7.8	13
169	Voltammetric speciation studies of systems where the species diffusivities differ significantly. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 549-561	2.6	8
168	Heterogeneous Catalysis of Multiple-Electron-Transfer Reactions at Nanoparticle-Modified Electrodes. <i>ChemElectroChem</i> , 2014 , 1, 909-916	4.3	3
167	Recent advances on the theory of pulse techniques: A mini review. <i>Electrochemistry Communications</i> , 2014 , 43, 25-30	5.1	43

166	Simple Analytical Equations for the Current-Potential Curves at Microelectrodes: A Universal Approach. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 346-356	3.8	22
165	Cyclic and Square-Wave Voltammetry at Diffusionally Asymmetric Microscopic and Nanoscopic Liquid-Liquid Interfaces: A Simple Theoretical Approach. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 18249-18256	3.8	14
164	Facilitated ion transfer of protonated primary organic amines studied by square wave voltammetry and chronoamperometry. <i>Analytica Chimica Acta</i> , 2014 , 826, 12-20	6.6	19
163	Two-Electron Transfer Reactions in Electrochemistry for Solution-Soluble and Surface-Confined Molecules: A Common Approach. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 12312-12324	3.8	14
162	Strong negative nanocatalysis: oxygen reduction and hydrogen evolution at very small (2 nm) gold nanoparticles. <i>Nanoscale</i> , 2014 , 6, 11024-30	7.7	26
161	An approximate theoretical treatment of ion transfer processes at asymmetric microscopic and nanoscopic liquid-liquid interfaces: Single and double potential pulse techniques. <i>Chemical Physics Letters</i> , 2014 , 597, 126-133	2.5	10
160	Non-Nernstian Two-Electron Transfer Reactions for Immobilized Molecules: A Theoretical Study in Cyclic Voltammetry. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 5208-5220	3.8	7
159	Analytical solution for the facilitated ion transfer at the interface between two immiscible electrolyte solutions via successive complexation reactions in any voltammetric technique: Application to square wave voltammetry and cyclic voltammetry. <i>Electrochimica Acta</i> , 2013 , 106, 244-257	6.7	29
158	Reversible surface two-electron transfer reactions in square wave voltammetry: application to the study of the reduction of polyoxometalate [PMo12O40]3- immobilized at a boron doped diamond electrode. <i>Analytical Chemistry</i> , 2013 , 85, 8764-72	7.8	10
157	Effects of convergent diffusion and charge transfer kinetics on the diffusion layer thickness of spherical micro- and nanoelectrodes. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 7106-13	3.6	12
156	On the meaning of the diffusion layer thickness for slow electrode reactions. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 2381-8	3.6	23
155	Square-wave voltammetry and square-wave voltacoulometry applied to the study of the electrocatalytic behaviour of surface confined myoglobin. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 537-546	2.6	5
154	Characterization of follow-up chemical reactions by reverse pulse voltammetry. An analytical solution for spherical electrodes and microelectrodes. <i>Electrochimica Acta</i> , 2013 , 87, 416-424	6.7	8
153	Variable temperature study of electro-reduction of 3-nitrophenolate via cyclic and square wave voltammetry: Molecular insights into electron transfer processes based on the asymmetric Marcus-Hush model. <i>Electrochimica Acta</i> , 2013 , 110, 772-779	6.7	7
152	Electrode modification using porous layers. Maximising the analytical response by choosing the most suitable voltammetry: Differential Pulse vs Square Wave vs Linear sweep voltammetry. <i>Electrochimica Acta</i> , 2012 , 73, 3-9	6.7	20
151	Giving physical insight into the Butler-Volmer model of electrode kinetics: Application of asymmetric Marcus-Hush theory to the study of the electroreductions of 2-methyl-2-nitropropane, cyclooctatetraene and europium(III) on mercury microelectrodes. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 170, 15-20	4.1	34
150	Differential pulse techniques in weakly supported media: Changes in the kinetics and thermodynamics of electrode processes resulting from the supporting electrolyte concentration. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 673, 13-23	4.1	10
149	Studies of ion transfer across liquid membranes by electrochemical techniques. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2012 , 108, 126		37

148	Mass transport at electrodes of arbitrary geometry. Reversible charge transfer reactions in square wave voltammetry. <i>Russian Journal of Electrochemistry</i> , 2012 , 48, 600-609	1.2	16
147	Square wave voltammetry at disc microelectrodes for characterization of two electron redox processes. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 8319-27	3.6	18
146	Some insights into the facilitated ion transfer voltammetric responses at ITIES exhibiting interfacial and bulk membrane kinetic effects. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 15340-54	3.6	5
145	Characterization of the Electrocatalytic Response of Monolayer-Modified Electrodes with Square-Wave Voltammetry. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 11206-11215	3.8	10
144	Kinetic effects of the complexation reaction in the facilitated ion transfer at liquid membrane systems of one and two polarized interfaces. Theoretical insights. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 6452-64	2.8	8
143	Detection of interaction between redox centers of surface confined molecules by means of Cyclic Voltammetry and Differential Staircase Voltcoulometry. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 664, 53-62	4.1	11
142	The use of differential pulse voltammetries to discriminate between the Butler-Volmer and the simple Marcus-Hush models for heterogeneous electron transfer: The electro-reduction of europium (III) in aqueous solution. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 668, 7-12	4.1	32
141	Microelectrodes 2012 , 1		
140	Analytical Solutions for the Study of Multielectron Transfer Processes by Staircase, Cyclic, and Differential Voltammetries at Disc Microelectrodes. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 11470-11479	3.8	21
139	Electrochemical Behavior of Two-Electron Redox Processes by Differential Pulse Techniques at Microelectrodes. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 1070-1079	3.8	7
138	Study of ion transfer through liquid membrane systems by Current Reversal Chronopotentiometric techniques. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 661, 219-225	4.1	1
137	Voltammetry of Electrochemically Reversible Systems at Electrodes of Any Geometry: A General, Explicit Analytical Characterization. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 4054-4062	3.8	42
136	Quantitative weaknesses of the Marcus-Hush theory of electrode kinetics revealed by Reverse Scan Square Wave Voltammetry: The reduction of 2-methyl-2-nitropropane at mercury microelectrodes. <i>Chemical Physics Letters</i> , 2011 , 512, 133-137	2.5	31
135	Catalytic mechanism in cyclic voltammetry at disc electrodes: an analytical solution. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 14694-704	3.6	16
134	A comparison of Marcus-Hush vs. Butler-Volmer electrode kinetics using potential pulse voltammetric techniques. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 660, 169-177	4.1	24
133	Application of Current Fluxes to the Characterization of Ion Transfer at Solvent Polymeric Membranes with One and Two Polarized Interfaces. <i>Electroanalysis</i> , 2011 , 23, 2188-2196	3	3
132	Ion transfer through solvent polymeric membranes driven by an exponential current flux. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 5127-35	3.6	3
131	Analytical theory of the catalytic mechanism in square wave voltammetry at disc electrodes. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 16748-55	3.6	33

130	Study of homogeneous chemical reactions at spherical electrodes and microelectrodes in Additive Differential Pulse Voltammetry. <i>Electrochimica Acta</i> , 2011 , 56, 5335-5342	6.7	9
129	The transient and stationary behaviour of first-order catalytic mechanisms at disc and hemisphere electrodes. <i>Electrochimica Acta</i> , 2011 , 56, 7404-7410	6.7	15
128	Analytical expressions for transient diffusion layer thicknesses at non uniformly accessible electrodes. <i>Electrochimica Acta</i> , 2011 , 56, 4589-4594	6.7	20
127	Electrochemical digital simulation with highly expanding grid four point discretization: Can Crank-Nicolson uncouple diffusion and homogeneous chemical reactions?. <i>Electrochimica Acta</i> , 2011 , 56, 5707-5716	6.7	20
126	Reaction layer thickness of a catalytic mechanism under transient and stationary chronopotentiometric conditions. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 655, 173-179	4.1	2
125	Comparison between double pulse and multipulse differential techniques. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 659, 12-24	4.1	35
124	Electrocatalysis at Modified Microelectrodes: A Theoretical Approach to Cyclic Voltammetry. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 14542-14551	3.8	9
123	Geometrical Insights of Transient Diffusion Layers. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 4093-4099, 3.8	3.8	27
122	Physical insights of salt transfer through solvent polymeric membranes by means of electrochemical methods. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 13296-303	3.6	15
121	Lability of metal complexes at spherical sensors. Dynamic voltammetric measurements. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 5396-404	3.6	14
120	Application of double pulse theory for hemispherical microelectrodes to the experimental study of slow charge transfer processes. <i>Electrochimica Acta</i> , 2010 , 55, 6577-6585	6.7	13
119	Transient and steady state behaviour of electrochemical reactions preceded by a chemical step at spherical electrodes: A chronopotentiometric study. <i>Journal of Electroanalytical Chemistry</i> , 2010 , 645, 74-80	4.1	1
118	Comparison Between a Charge Transfer Process and an Electrocatalytic Process in Cyclic Voltammetry and Cyclic Voltcoulometry. Application to the Oxidation of Ferrocyanide at a Ferrocene-Monolayer Modified Gold Electrode. <i>Electroanalysis</i> , 2010 , 22, 106-112	3	3
117	Advances in the Study of Ion Transfer at Liquid Membranes with Two Polarized Interfaces by Square Wave Voltammetry. <i>Electroanalysis</i> , 2010 , 22, 1634-1642	3	25
116	Study of Electrochemical Processes with Coupled Homogeneous Chemical Reaction in Differential Pulse Voltammetry at Spherical Electrodes and Microhemispheres. <i>Electroanalysis</i> , 2010 , 22, 1857-1866	3	15
115	Additive Differential Pulse Voltammetry for the Study of Slow Charge Transfer Processes at Spherical Electrodes. <i>Electroanalysis</i> , 2010 , 22, 2784-2793	3	11
114	Analytical solution for Reverse Pulse Voltammetry at spherical electrodes: A remarkably sensitive method for the characterization of electrochemical reversibility and electrode kinetics. <i>Journal of Electroanalytical Chemistry</i> , 2010 , 648, 67-77	4.1	12
113	Characterization of slow charge transfer processes in differential pulse voltammetry at spherical electrodes and microelectrodes. <i>Electrochimica Acta</i> , 2010 , 55, 5163-5172	6.7	25

112	Value of the exponential current-time perturbation for achieving stationary polarisation curves at planar and spherical electrodes of any size. <i>Electrochimica Acta</i> , 2010 , 55, 9010-9018	6.7	1
111	Theory of linear sweep/cyclic voltammetry for the electrochemical reaction mechanism involving a redox catalyst couple attached to a spherical electrode. <i>Electrochimica Acta</i> , 2010 , 56, 543-552	6.7	13
110	Theoretical and Experimental Study of the Homogeneous Catalytic Oxidation of Nicotinamide Adenine Dinucleotide (NADH) at Spherical Gold Electrodes Using Linear Sweep Voltammetry and Chronopotentiometry. <i>Electroanalysis</i> , 2009 , 21, 740-748	3	2
109	Ion Transfer Square Wave Voltammetry of Ionic Liquid Cations with a Solvent Polymeric Membrane Ion Sensor. <i>Electroanalysis</i> , 2009 , 21, 2297-2302	3	14
108	Rigorous analytical solution for a preceding chemical reaction in Normal Pulse Voltammetry at spherical electrodes and microelectrodes. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 633, 7-14	4.1	14
107	Reverse Pulse Voltammetry at spherical electrodes: Simultaneous determination of diffusion coefficients and formal potentials. Application to Room Temperature Ionic Liquids. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 634, 1-10	4.1	19
106	Theory for double potential step chronoamperometry for any potential values at spherical electrodes: Simultaneous determination of the diffusion coefficients of the electroactive species. <i>Electrochimica Acta</i> , 2009 , 54, 2320-2328	6.7	21
105	Analytical IR response for several multistep potential techniques applied to an electrocatalytic process at mediator modified electrodes. <i>Electrochimica Acta</i> , 2009 , 54, 6154-6160	6.7	12
104	Theoretical and experimental study of Differential Pulse Voltammetry at spherical electrodes: Measuring diffusion coefficients and formal potentials. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 634, 73-81	4.1	38
103	Square Wave Voltammetry and Voltcoulometry applied to electrocatalytic reactions. Oxidation of ferrocyanide at a ferrocene modified gold electrode. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 634, 90-97	4.1	21
102	A simple transient approach to dynamic metal speciation: Can independent of time complex voltammetric lability criteria be used?. <i>Electrochemistry Communications</i> , 2009 , 11, 562-567	5.1	8
101	Electrochemical digital simulations with an exponentially expanding grid: General expressions for higher order approximations to spatial derivatives. <i>Electrochimica Acta</i> , 2009 , 54, 1042-1055	6.7	26
100	Uptake of Molecular Species by Spherical Droplets and Particles Monitored Voltammetrically. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 17215-17222	3.8	8
99	Electrocatalytic responses at mediator modified electrodes with several cyclic step and cyclic sweep potential techniques. Application to the oxidation of ascorbate at a ferrocene-monolayer modified gold electrode. <i>Analytical Chemistry</i> , 2009 , 81, 6830-6	7.8	9
98	Ion transfer across a liquid membrane. General solution for the current-potential response of any voltammetric technique. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 1159-66	3.6	28
97	Differential pulse voltammetry for ion transfer at liquid membranes with two polarized interfaces. <i>Analytical Chemistry</i> , 2009 , 81, 4220-5	7.8	24
96	Potentiostatic voltammetry at spherical electrodes and microelectrodes in the presence of product. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 617, 14-26	4.1	23
95	Application of a Power Time Current to the Study of a Catalytic Mechanism in Chronopotentiometry and Reciprocal Derivative Chronopotentiometry. Advantages of a Cyclic Stationary Response. <i>Electroanalysis</i> , 2008 , 20, 1175-1185	3	8

94	Study of electrocatalytic processes at mediator modified interfaces with reciprocal derivative chronopotentiometry with exponential time current. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 623, 61-67	4.1	3
93	Potential step chronoamperometry at hemispherical mercury electrodes: The formation of thallium amalgams and the measurement of the diffusion coefficient of thallium in mercury. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 623, 165-169	4.1	17
92	Double potential step chronoamperometry at spherical electrodes and microelectrodes. <i>Electrochemistry Communications</i> , 2008 , 10, 376-381	5.1	10
91	Study of catalytic homogeneous electrochemical reactions with reciprocal derivative chronopotentiometry using exponential time currents at spherical electrodes. <i>Electrochimica Acta</i> , 2008 , 54, 467-473	6.7	6
90	General Behavior of the I_E and $I_{E'}$ Curves Obtained when a Multistep Potential is Applied to an Electroactive Monolayer. <i>Electroanalysis</i> , 2007 , 19, 936-944	3	9
89	Application of several multipotential step techniques to the study of multicenter molecules at spherical electrodes of any size. <i>Journal of Electroanalytical Chemistry</i> , 2007 , 603, 249-259	4.1	10
88	Voltammetry of some catamphiphilic drugs with solvent polymeric membrane ion sensors. <i>Journal of Electroanalytical Chemistry</i> , 2007 , 605, 157-161	4.1	17
87	Study of charge transfer processes in a surface confined redox system by means of differential staircase voltacoulometry. <i>Electrochimica Acta</i> , 2007 , 52, 4351-4362	6.7	11
86	Study of Multicenter Redox Molecules with Square Wave Voltammetry. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12446-12453	3.8	28
85	Square wave voltacoulometry: a tool for the study of strongly adsorbed redox molecules. <i>Analytical Chemistry</i> , 2007 , 79, 7580-7	7.8	21
84	Differential pulse voltammetry and additive differential pulse voltammetry with solvent polymeric membrane ion sensors. <i>Analytical Chemistry</i> , 2006 , 78, 8129-33	7.8	24
83	Modelling of magnetic anisotropy in the finite element method. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2006 , 25, 609-615	0.7	3
82	Analytical expressions of the $I_{E_{1/2}}$ curves of a CE process with a fast chemical reaction at spherical electrodes and microelectrodes. <i>Electrochemistry Communications</i> , 2006 , 8, 1453-1460	5.1	22
81	Application of chronopotentiometry and derivative chronopotentiometry with an alternating current to the study of a slow charge transfer in a surface confined redox system. <i>Electrochimica Acta</i> , 2006 , 51, 4358-4366	6.7	7
80	Chronoamperometric behaviour of a CE process with fast chemical reactions at spherical electrodes and microelectrodes. Comparison with a catalytic reaction. <i>Electrochemistry Communications</i> , 2006 , 8, 1062-1070	5.1	43
79	Theoretical study of a catalytic mechanism using cyclic and derivative chronopotentiometric techniques with spherical electrodes. <i>Electrochimica Acta</i> , 2006 , 51, 2851-2861	6.7	7
78	Analytical solutions of the multipotential pulse quasi-reversible $Q_{E_{1/2}}$ and $I_{E_{1/2}}$ responses of strongly adsorbed redox molecules. <i>Journal of Electroanalytical Chemistry</i> , 2006 , 596, 74-86	4.1	19
77	Further Applications of Cyclic Voltammetry with Spherical Electrodes. <i>Collection of Czechoslovak Chemical Communications</i> , 2005 , 70, 133-153		24

76	Theoretical background for the behavior of molecules containing multiple interacting or noninteracting redox centers in any multipotential step technique and cyclic voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 576, 9-19	4.1	33
75	The pathways towards the steady state E/t and I/E responses when using an alternating current. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 580, 179-192	4.1	1
74	Linear sweep voltammetric and chronopotentiometric charge/potential curves for non reversible redox monolayers. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 583, 184-192	4.1	8
73	Singularities of the catalytic mechanism in its route to the steady state. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 583, 193-202	4.1	21
72	Particular time-independent behaviour of the charge/potential and capacitance/potential responses of a quasi-reversible redox monolayer with chronopotentiometry with an exponential current. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 585, 132-141	4.1	4
71	Study of multistep electrode processes in triple potential step techniques at spherical electrodes. <i>Electrochemistry Communications</i> , 2005 , 7, 751-761	5.1	6
70	Steady State Reciprocal Derivative Chronopotentiometry with Programmed Currents at Microelectrodes. <i>Electroanalysis</i> , 2005 , 17, 674-684	3	12
69	Study of the Behavior of an EC Mechanism Using Cyclic and Derivative Chronopotentiometric Techniques with Spherical Electrodes. <i>Electroanalysis</i> , 2004 , 16, 938-948	3	10
68	Charge/potential and capacitance/potential curves corresponding to reversible redox Langmuir submonolayers of quinizarine in aqueous acidic solutions. <i>Electrochimica Acta</i> , 2004 , 49, 1349-1360	6.7	8
67	Advantages of the application of programmed currents to microelectrodes. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 569, 185-195	4.1	17
66	Reversal and Cyclic Chronopotentiometry with Exponential Current-Time Functions at Spherical Electrodes. Reversibility Effects and Experimental Verification. <i>Collection of Czechoslovak Chemical Communications</i> , 2004 , 69, 1997-2020		4
65	Study of a Catalytic Mechanism in Additive Differential Pulse Techniques. <i>Electroanalysis</i> , 2003 , 15, 254-262		8
64	Study of multistep electrode processes in double potential step techniques at spherical electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2003 , 546, 97-108	4.1	19
63	Charge/potential and capacitance/potential curves corresponding to reversible redox monolayers. <i>Journal of Electroanalytical Chemistry</i> , 2003 , 557, 157-165	4.1	18
62	Cyclic Reciprocal Derivative Chronopotentiometry with Power Time Currents Applied to Electrodes Coated with Electroactive Molecular Films. Influence of the Reversibility. <i>Langmuir</i> , 2003 , 19, 406-415	4	22
61	Reciprocal Derivative Chronopotentiometry with Programmed Current: Influence of the Reversibility. <i>Electroanalysis</i> , 2002 , 14, 281-291	3	10
60	Study of an EE mechanism in additive differential pulse techniques. <i>Electrochemistry Communications</i> , 2002 , 4, 457-461	5.1	13
59	Study of an EE mechanism using double potential step techniques. <i>Journal of Electroanalytical Chemistry</i> , 2002 , 528, 159-169	4.1	12

58	Additive differential pulse voltammetry, instead of double differential pulse voltammetry. <i>Electrochemistry Communications</i> , 2001 , 3, 324-329	5.1	19
57	Reversible multistep electrode processes. Consideration of the bulk presence of intermediate species and of the values of the diffusion coefficients in voltammetry. <i>Electrochimica Acta</i> , 2001 , 46, 2699-2709	6.7	13
56	Cyclic Reciprocal Derivative Chronopotentiometry with Exponential Time Currents in the Study of Slow Charge Transfer Processes between Electrodes and Redox Adsorbates. <i>Langmuir</i> , 2001 , 17, 5520-5526	4.26	20
55	Square wave voltammetry for a pseudo-first-order catalytic process at spherical electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2000 , 486, 9-15	4.1	34
54	Theory for cyclic reciprocal derivative chronopotentiometry with power and exponential programmed currents applied to electrodes coated with reversible electroactive molecular films. <i>Journal of Electroanalytical Chemistry</i> , 2000 , 493, 117-122	4.1	19
53	Derivation of a general theory for reversible multistep electrode processes in voltammetry with constant potential at spherical electrodes. <i>Electrochemistry Communications</i> , 2000 , 2, 267-271	5.1	10
52	Derivative and Differential Voltammetry and Reciprocal Derivative Chronopotentiometry Identical Behavior Verification for Electrode Reversible Processes. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 3429	3.9	24
51	General solutions for the i/t response for reversible processes in the presence of product in a multipotential step experiment at planar and spherical electrodes whose areas increase with any power of time. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 466, 8-14	4.1	22
50	Study of a catalytic mechanism in double potential step techniques at spherical electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 468, 158-169	4.1	6
49	A unified treatment of reversible electrode processes in voltammetric techniques and chronopotentiometric techniques with programmed current. <i>Electrochemistry Communications</i> , 1999 , 1, 477-482	5.1	10
48	Cyclic reciprocal derivative chronopotentiometry. Applications to the detection and characterisation of adsorption processes. <i>Electrochimica Acta</i> , 1999 , 45, 761-773	6.7	15
47	Application of cyclic reciprocal derivative chronopotentiometry with programmed currents to the study of the reversibility of electrode processes. <i>Electrochimica Acta</i> , 1999 , 45, 457-468	6.7	19
46	Application of current reversal chronopotentiometry and cyclic chronopotentiometry to the study of reactant and/or product adsorption at a plane electrode. <i>Electrochimica Acta</i> , 1998 , 44, 1263-1272	6.7	8
45	Application of the superposition principle to the study of CEC, CE, EC and catalytic mechanisms in cyclic chronopotentiometry. Part III. <i>Journal of Mathematical Chemistry</i> , 1998 , 23, 277-296	2.1	15
44	Analytical solution corresponding to the i/t response to a multipotential step for a catalytic mechanism. <i>Journal of Electroanalytical Chemistry</i> , 1998 , 443, 163-167	4.1	35
43	General analytical solution for a catalytic mechanism in potential step techniques at hemispherical microelectrodes: Applications to chronoamperometry, cyclic staircase voltammetry and cyclic linear sweep voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 1998 , 454, 15-31	4.1	29
42	Multiple potential step at an SMDE in the absence/presence of amalgamation. <i>Journal of Electroanalytical Chemistry</i> , 1997 , 422, 55-60	4.1	8
41	Application of a current-time function of the form to hemispherical microelectrodes. <i>Journal of Electroanalytical Chemistry</i> , 1997 , 428, 173-183	4.1	5

40	Discrimination between CEC, CE and EC mechanisms by using a sinusoidal current-time function. <i>Electrochimica Acta</i> , 1997 , 42, 1351-1359	6.7	1
39	General analytical solution for a reversible i-t response to a triple potential step at an SMDE in the absence/presence of amalgamation. <i>Journal of Electroanalytical Chemistry</i> , 1996 , 408, 33-45	4.1	10
38	Application of the superposition principle to the study of multistep electrode processes and systems with several components in chronopotentiometry with programmed current. Part I. <i>Journal of Mathematical Chemistry</i> , 1996 , 20, 151-167	2.1	2
37	Application of the superposition principle to the study of a charge transfer reaction in cyclic chronopotentiometry. Part II. <i>Journal of Mathematical Chemistry</i> , 1996 , 20, 169-181	2.1	10
36	Application of Cyclic Chronopotentiometry to the Study of Slow Charge Transfer Reactions at the DME and the SMDE. <i>Collection of Czechoslovak Chemical Communications</i> , 1996 , 61, 1432-1444		3
35	Conditions of applicability of the superposition principle in potential multipulse techniques: implications in the study of microelectrodes. <i>Journal of Electroanalytical Chemistry</i> , 1995 , 394, 1-6	4.1	60
34	Chronopotentiometry at the dropping mercury electrode when the current is a power and/or exponential function of time: study of the second step of an EE mechanism with widely separated standard potentials. <i>Journal of Electroanalytical Chemistry</i> , 1995 , 399, 223-228	4.1	2
33	Reverse Differential Pulse Voltammetry and Polarography. <i>Analytical Chemistry</i> , 1995 , 67, 2619-2624	7.8	10
32	Double differential pulse voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 1994 , 365, 97-105	4.1	8
31	New methods for the application of an alternating current. <i>Journal of Electroanalytical Chemistry</i> , 1994 , 369, 15-23	4.1	6
30	Reverse pulse voltammetry and polarography: a general analytical solution. <i>Canadian Journal of Chemistry</i> , 1994 , 72, 2369-2377	0.9	6
29	General analytical solution for a reversible i/t response to a double potential step at spherical electrodes in the absence/presence of amalgamation effects. <i>Canadian Journal of Chemistry</i> , 1994 , 72, 2378-2387	0.9	15
28	Triple-pulse voltammetry and polarography. <i>Analytical Chemistry</i> , 1993 , 65, 215-222	7.8	20
27	Chronopotentiometry with several types of programmed current at most usual electrodes: General study of systems with coupled first-order chemical reactions. <i>Journal of Electroanalytical Chemistry</i> , 1993 , 346, 53-71	4.1	9
26	New methods for the application of an alternating current. <i>Journal of Electroanalytical Chemistry</i> , 1992 , 336, 1-23	4.1	8
25	New methods for the application of an alternating current. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991 , 308, 97-112		8
24	Potential-time response for several types of programmed current at most usual electrodes. Theoretical study of CE and EC mechanisms. <i>Collection of Czechoslovak Chemical Communications</i> , 1991 , 56, 1-19		4
23	Chronopotentiometry with a potential-exponential current-time function at the DME with a preceding blank period. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1990 , 278, 35-51		13

22	Current reversal chronopotentiometry at the DME. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1990 , 284, 21-33		8
21	Exponential current chronopotentiometry at the dropping mercury electrode. Study of the transition times. <i>Chemical Physics Letters</i> , 1988 , 152, 519-522	2.5	3
20	Chronopotentiometry at the DME with a current-time perturbation of the form $I_0(t_1+t)w$, t_1 being a preceding blank perio. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988 , 252, 11-20		3
19	Current-reversal chronopotentiometry at a dropping mercury electrode. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988 , 256, 33-42		7
18	Chronopotentiometry with non-linear perturbation functions at the DME with a preceding blank period: Electrode curvature effects and experimental verification. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988 , 251, 249-266		8
17	Chronopotentiometry with programmed current at an electrode expanding with any power law. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1987 , 219, 1-11		4
16	Chronopotentiometry with non-linear perturbation functions at the DME with a preceding blank period. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1987 , 227, 1-10		12
15	DC polarography: effects of electrode sphericity on the catalytic currents with non-Nernstian behavior. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1986 , 199, 37-45		7
14	Influence of a preceding chemical reaction on limiting currents in normal pulse polarography and in dc polarography. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1984 , 167, 15-42		9
13	Chronopotentiometry with programmed current at a dropping mercury electrode. <i>Analytical Chemistry</i> , 1984 , 56, 887-890	7.8	14
12	Chronopotentiometry with programmed current at the dropping mercury electrode. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1983 , 146, 243-251		6
11	Theoretical analysis of current-potential curves for the CE and EC mechanisms with non-nernstian behaviour. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1983 , 147, 53-69		11
10	Chronopotentiometry with programmed current at the dropping mercury electrode. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1983 , 146, 221-232		10
9	Current-potential curves with an EE mechanism. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1982 , 139, 15-36		15
8	Pulse polarography. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1981 , 124, 201-211		12
7	Dc polarography: Current-potential curves with a parallel ECE mechanism. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1981 , 127, 17-35		13
6	Pulse polarography. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1981 , 121, 85-92		9
5	DC polarography: Effects of electrode sphericity on the current-potential curves with EC and CE mechanisms. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1980 , 107, 217-231		22

4	Dc polarography: Current-potential curves with an ECE mechanism. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1980 , 110, 49-68	23
3	Pulse polarography. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1980 , 115, 1-14	11
2	Pulse polarography. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1980 , 115, 15-29	10
1	D.c. polarography: Current-potential curves for electrode processes involving a preceding first-order chemical reaction. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1979 , 102, 277-288	24