

Eduardo Laborda

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.

118
papers

2,122
citations

25
h-index

38
g-index

121
ext. papers

2,360
ext. citations

5.6
avg, IF

5.09
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 118 | Theoretical-experimental synergy towards better understanding of interfacial electron transfer kinetics. <i>Current Opinion in Electrochemistry</i> , 2022 , 101028 | 7.2 | 1 |
| 117 | Impact experiments at the Interface between Two Immiscible Electrolyte Solutions (ITIES). <i>Current Opinion in Electrochemistry</i> , 2021 , 26, 100664 | 7.2 | 1 |
| 116 | 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 | |
| 115 | Spectroelectrochemistry for the study of reversible electrode reactions with complex stoichiometries. <i>Electrochemistry Communications</i> , 2021 , 123, 106915 | 5.1 | 3 |
| 114 | Analytical Modelling of Electron-coupled Ion Transfers with Immobilized vs Soluble Redox Transducer at Thick Film-modified Electrodes. <i>Electroanalysis</i> , 2021 , 33, 2267 | 3 | |
| 113 | Cyclic square wave voltammetry of electrode reactions with nonunity stoichiometry. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 873, 114421 | 4.1 | 2 |
| 112 | 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 |
| 111 | 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 |
| 110 | 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 |
| 109 | Analytical theory for ion transfer coupled reactions at redox layer modified/thick film modified electrodes. <i>Current Opinion in Electrochemistry</i> , 2020 , 19, 78-87 | 7.2 | 8 |
| 108 | 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 |
| 107 | Unified theoretical treatment of the Irrev, CE, EC and CEC mechanisms under voltammetric conditions. <i>Electrochemistry Communications</i> , 2018 , 92, 48-55 | 5.1 | 5 |
| 106 | Double pulse voltammetric study of the IT-CeqC mechanism underlying the oxygen reduction and hydrogen evolution reactions at liquid/liquid interfaces. <i>Electrochimica Acta</i> , 2018 , 265, 638-650 | 6.7 | 1 |
| 105 | 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 |
| 104 | Individual Detection and Characterization of Non-Electrocatalytic, Redox-Inactive Particles in Solution by using Electrochemistry. <i>ChemElectroChem</i> , 2018 , 5, 410-417 | 4.3 | 14 |
| 103 | Electrochemical and Electrostatic Cleavage of Alkoxyamines. <i>Journal of the American Chemical Society</i> , 2018 , 140, 766-774 | 16.4 | 88 |
| 102 | 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 |

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| 101 | Spectroscopy takes electrochemistry beyond the interface: A compact analytical solution for the reversible first-order catalytic mechanism. <i>Electrochimica Acta</i> , 2018 , 284, 721-732 | 6.7 | 4 |
| 100 | Detailed theoretical treatment of homogeneous chemical reactions coupled to interfacial charge transfers. <i>Electrochimica Acta</i> , 2018 , 286, 374-396 | 6.7 | 4 |
| 99 | Mathematical modeling of nonlinear reaction-diffusion processes in enzymatic biofuel cells. <i>Current Opinion in Electrochemistry</i> , 2017 , 1, 121-132 | 7.2 | 17 |
| 98 | 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 |
| 97 | 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 |
| 96 | Electrochemistry of single droplets of inverse (water-in-oil) emulsions. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 15662-15666 | 3.6 | 31 |
| 95 | 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 |
| 94 | 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 |
| 93 | Single Fusion Events at Polarized Liquid-Liquid Interfaces. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 782-785 | 16.4 | 24 |
| 92 | Single Fusion Events at Polarized Liquid-Liquid Interfaces. <i>Angewandte Chemie</i> , 2017 , 129, 800-803 | 3.6 | 13 |
| 91 | Aqueous Voltammetry in the Near Absence of Electrolyte. <i>Chemistry - A European Journal</i> , 2017 , 23, 15222-15226 | 4.8 | 26 |
| 90 | 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 |
| 89 | 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 |
| 88 | 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 |
| 87 | 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 |
| 86 | 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 |
| 85 | Brute force (or not so brute) digital simulation in electrochemistry revisited. <i>Chemical Physics Letters</i> , 2016 , 643, 71-76 | 2.5 | 6 |
| 84 | A Comprehensive Voltammetric Characterisation of ECE Processes. <i>Electrochimica Acta</i> , 2016 , 195, 230-245 | 4.5 | 11 |

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| 83 | Catalase-Modified Carbon Electrodes: Persuading Oxygen To Accept Four Electrons Rather Than Two. <i>Chemistry - A European Journal</i> , 2016 , 22, 5904-8 | 4.8 | 7 |
| 82 | Electrical double layer effects on ion transfer reactions. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 9829-37 | 3.6 | 19 |
| 81 | 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 |
| 80 | New Insights into Fundamental Electron Transfer from Single Nanoparticle Voltammetry. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 1554-8 | 6.4 | 12 |
| 79 | 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 |
| 78 | 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 |
| 77 | 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 |
| 76 | 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 |
| 75 | Tafel/Volmer Electrode Reactions: The Influence of Electron-Transfer Kinetics. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 22415-22424 | 3.8 | 11 |
| 74 | 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 |
| 73 | Recent Advances in Voltammetry. <i>ChemistryOpen</i> , 2015 , 4, 224-60 | 2.3 | 91 |
| 72 | Normal Pulse Voltammetry and Steady State Voltammetry of the Square Mechanism at Spherical Microelectrodes. <i>Electroanalysis</i> , 2015 , 27, 970-979 | 3 | 4 |
| 71 | 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 |
| 70 | 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 |
| 69 | 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 |
| 68 | Heterogeneous Catalysis of Multiple-Electron-Transfer Reactions at Nanoparticle-Modified Electrodes. <i>ChemElectroChem</i> , 2014 , 1, 909-916 | 4.3 | 3 |
| 67 | Recent advances on the theory of pulse techniques: A mini review. <i>Electrochemistry Communications</i> , 2014 , 43, 25-30 | 5.1 | 43 |
| 66 | The strong catalytic effect of Pb(II) on the oxygen reduction reaction on 5 nm gold nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 3200-8 | 3.6 | 17 |

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| 65 | 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 | | |
| 64 | 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 |
| 63 | 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 |
| 62 | Understanding Voltammetry 2014 , | | 50 |
| 61 | Reply to comments contained in 'Are the reactions of quinones on graphite adiabatic?' by N.B. Luque, W. Schmickler [Electrochim. Acta xx (2012) yyy]. <i>Electrochimica Acta</i> , 2013 , 88, 895-898 | 6.7 | 21 |
| 60 | 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 |
| 59 | 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 |
| 58 | A kinetic study of oxygen reduction reaction and characterization on electrodeposited gold nanoparticles of diameter between 17 nm and 40 nm in 0.5 M sulfuric acid. <i>Nanoscale</i> , 2013 , 5, 9699-708 ^{7.7} | | 26 |
| 57 | Oxygen reduction at sparse arrays of platinum nanoparticles in aqueous acid: hydrogen peroxide as a liberated two electron intermediate. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 19487-95 | 3.6 | 22 |
| 56 | A theoretical and experimental approach to the adiabaticity of diffusional electron transfer processes. Electroreduction of 2-nitropropane on mercury microelectrodes. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 704, 102-110 | 4.1 | 3 |
| 55 | On the adiabaticity of electrode processes: Effect of the supporting electrolyte cation on the kinetics of electroreduction of 3-nitrophenolate. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 694, 30-36 ^{4.1} | | 7 |
| 54 | 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 |
| 53 | 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 |
| 52 | Asymmetric Marcus-Hush theory for voltammetry. <i>Chemical Society Reviews</i> , 2013 , 42, 4894-905 | 58.5 | 88 |
| 51 | A joint experimental and computational search for authentic nano-electrocatalytic effects: electrooxidation of nitrite and L-ascorbate on gold nanoparticle-modified glassy carbon electrodes. <i>Small</i> , 2013 , 9, 478-86 | 11 | 33 |
| 50 | Surface oxidation of gold nanoparticles supported on a glassy carbon electrode in sulphuric acid medium: contrasts with the behaviour of 'macro' gold. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 3133-6 | 3.6 | 35 |
| 49 | New approach to electrode kinetic measurements in square-wave voltammetry: amplitude-based quasireversible maximum. <i>Analytical Chemistry</i> , 2013 , 85, 5586-94 | 7.8 | 62 |
| 48 | Performance of silver nanoparticles in the catalysis of the oxygen reduction reaction in neutral media: Efficiency limitation due to hydrogen peroxide escape. <i>Nano Research</i> , 2013 , 6, 511-524 | 10 | 62 |

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| 47 | 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 |
| 46 | 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 , 670, 15-22 | 4.1 | 34 |
| 45 | 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 |
| 44 | Asymmetric Marcus-Hush model of electron transfer kinetics: Application to the voltammetry of surface-bound redox systems. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 674, 90-96 | 4.1 | 22 |
| 43 | 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 |
| 42 | Comparative evaluation of the symmetric and asymmetric Marcus-Hush formalisms of electrode kinetics: The one-electron oxidation of tetraphenylethylene in dichloromethane on platinum microdisk electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 677-680, 120-126 | 4.1 | 13 |
| 41 | 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 |
| 40 | 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 |
| 39 | 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 |
| 38 | Experimental comparison of the Butler-Volmer and Marcus-Hush-Chidsey formalisms of electrode kinetics: The reduction of cyclooctatetraene at mercury hemispherical electrodes via cyclic and square wave voltammetries. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 665, 38-44 | 4.1 | 25 |
| 37 | Asymmetric Marcus theory: Application to electrode kinetics. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 667, 48-53 | 4.1 | 38 |
| 36 | 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 |
| 35 | Electrochemical oxidation of nitrite: Kinetic, mechanistic and analytical study by square wave voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 670, 56-61 | 4.1 | 50 |
| 34 | Giving physical insight into the Butler-Volmer model of electrode kinetics: Part 2: Nonlinear solvation effects on the voltammetry of heterogeneous electron transfer processes. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 681, 96-102 | 4.1 | 10 |
| 33 | Redox systems obeying Marcus-Hush-Chidsey electrode kinetics do not obey the Randles-Hevily equation for linear sweep voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 664, 73-79 | 4.1 | 35 |
| 32 | Molecular insights into electron transfer processes via variable temperature cyclic voltammetry. Application of the asymmetric Marcus-Hush model. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 685, 53-62 | 4.1 | 16 |
| 31 | Marcus-Hush-Chidsey theory of electron transfer applied to voltammetry: A review. <i>Electrochimica Acta</i> , 2012 , 84, 12-20 | 6.7 | 117 |
| 30 | 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 |

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| 29 | 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 |
| 28 | Steady-state voltammetry at a microdisc electrode in the absence of excess supporting electrolyte for reversible, quasi-reversible and irreversible electrode kinetics. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 14635-49 | 3.6 | 5 |
| 27 | Facile in situ characterization of gold nanoparticles on electrode surfaces by electrochemical techniques: average size, number density and morphology determination. <i>Analyst, The</i> , 2012 , 137, 4693-7 | 5 | 16 |
| 26 | 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 |
| 25 | An experimental comparison of the Marcus-Hush and Butler-Volmer descriptions of electrode kinetics applied to cyclic voltammetry. The one electron reductions of europium (III) and 2-methyl-2-nitropropane studied at a mercury microhemisphere electrode. <i>Chemical Physics Letters</i> , 2011 , 517, 29-35 | 2.5 | 35 |
| 24 | Catalytic mechanism in cyclic voltammetry at disc electrodes: an analytical solution. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 14694-704 | 3.6 | 16 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 18 | Comparison between double pulse and multipulse differential techniques. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 659, 12-24 | 4.1 | 35 |
| 17 | Electrocatalysis at Modified Microelectrodes: A Theoretical Approach to Cyclic Voltammetry. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 14542-14551 | 3.8 | 9 |
| 16 | Lability of metal complexes at spherical sensors. Dynamic voltammetric measurements. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 5396-404 | 3.6 | 14 |
| 15 | 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 |
| 14 | 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 |
| 13 | Additive Differential Pulse Voltammetry for the Study of Slow Charge Transfer Processes at Spherical Electrodes. <i>Electroanalysis</i> , 2010 , 22, 2784-2793 | 3 | 11 |
| 12 | 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 |

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| 11 | 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 |
| 10 | 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 |
| 9 | 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 |
| 8 | 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 |
| 7 | 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 |
| 6 | 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 |
| 5 | 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 |
| 4 | 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 |
| 3 | 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 |
| 2 | 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 |
| 1 | Double potential step chronoamperometry at spherical electrodes and microelectrodes. <i>Electrochemistry Communications</i> , 2008 , 10, 376-381 | 5.1 | 10 |