

# Lesław K Bieniasz

## List of Publications by Year in descending order

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132  
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1,817  
citations

257101

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433756

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146  
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docs citations

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times ranked

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citing authors



#	ARTICLE	IF	CITATIONS
19	An adaptive Huber method for nonlinear systems of Volterra integral equations with weakly singular kernels and solutions. <i>Journal of Computational and Applied Mathematics</i> , 2017, 323, 136-146.	1.1	9
20	A reliable automatic simulation of singular electroanalytical transients, by the adaptive Huber method for Volterra integral equations. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 40-52.	1.9	8
21	A New Theory of Potential Step Chronoamperometry at Hemispheroidal Electrodes: Complete Explicit Semi-Analytical Formulae for the Faradaic Current Density and the Faradaic Current. <i>Journal of Electroanalytical Chemistry</i> , 2017, 784, 91-101.	1.9	3
22	SSE-based Thomas algorithm for quasi-block-tridiagonal linear equation systems, optimized for small dense blocks. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
23	A specialised cyclic reduction algorithm for linear algebraic equation systems with quasi-tridiagonal matrices. <i>Journal of Mathematical Chemistry</i> , 2017, 55, 1793-1807.	0.7	11
24	A New Theory of Potential Step Chronoamperometry at a Microdisk Electrode: Complete Explicit Semi-Analytical Formulae for the Faradaic Current Density and the Faradaic Current. <i>Electrochimica Acta</i> , 2016, 199, 1-11.	2.6	16
25	Accelerated Thomas Solver for (Quasi-)Block-Tridiagonal Linear Algebraic Equation Systems, Using SSE/AVX Instruction Sets for Vectorizing Dense Block Operations. <i>International Journal of Computational Methods</i> , 2016, 13, 1750027.	0.8	1
26	An adaptive multicut-HDMR map generation. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
27	Highly accurate, inexpensive procedures for computing theoretical chronoamperometric currents at single straight electrode edges and at single microband electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2016, 760, 71-79.	1.9	15
28	A new theory, and automatic computation of reversible cyclic voltammograms at a microband electrode. <i>Journal of Electroanalytical Chemistry</i> , 2016, 767, 123-133.	1.9	8
29	A Fifth (Six) Order Accurate, Three-Point Compact Finite Difference Scheme for the Numerical Solution of Sixth Order Boundary Value Problems on Geometric Meshes. <i>Journal of Scientific Computing</i> , 2015, 64, 898-913.	1.1	6
30	Experiments with an adaptive multicut-HDMR map generation for slowly varying continuous multivariate functions. <i>Applied Mathematics and Computation</i> , 2015, 258, 206-219.	1.4	5
31	Theory of Potential Step Chronoamperometry at a Microband Electrode: Complete Explicit Semi-Analytical Formulae for the Faradaic Current Density and the Faradaic Current. <i>Electrochimica Acta</i> , 2015, 178, 25-33.	2.6	14
32	Numerical Solution Methods. <i>Monographs in Electrochemistry</i> , 2015, , 269-304.	0.2	2
33	Basic Assumptions and Equations of Electroanalytical Models. <i>Monographs in Electrochemistry</i> , 2015, , 9-47.	0.2	0
34	Models Independent of Spatial Coordinates. <i>Monographs in Electrochemistry</i> , 2015, , 61-78.	0.2	0
35	Models Involving Two- and Three-Dimensional Diffusion. <i>Monographs in Electrochemistry</i> , 2015, , 143-155.	0.2	0
36	Models Involving Additional Complications. <i>Monographs in Electrochemistry</i> , 2015, , 233-247.	0.2	0

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37	Models Involving Transport Coupled with Homogeneous Reactions. Monographs in Electrochemistry, 2015, , 157-197.	0.2	0
38	Models Involving Distributed and Localised Species. Monographs in Electrochemistry, 2015, , 199-232.	0.2	0
39	Analytical Expressions for the Steady-State Concentrations of Glucose, Oxygen and Gluconic Acid in a Composite Membrane for Closed-Loop Insulin Delivery. Journal of Membrane Biology, 2013, 246, 121-129.	1.0	9
40	Automatic solution of integral equations describing electrochemical transients under conditions of internal spherical diffusion. Journal of Electroanalytical Chemistry, 2013, 694, 104-113.	1.9	11
41	Automatic solution of the Singh and Dutt integral equations for channel or tubular electrodes, by the adaptive Huber method. Journal of Electroanalytical Chemistry, 2013, 693, 95-104.	1.9	10
42	Automatic solution of integral equations describing electrochemical transients under conditions of internal cylindrical diffusion. Journal of Electroanalytical Chemistry, 2013, 700, 30-39.	1.9	10
43	Automatic solution of integral equations describing electrochemical transients at dropping mercury electrodes. Journal of Electroanalytical Chemistry, 2013, 705, 44-51.	1.9	8
44	A procedure for rapid and highly accurate computation of Marcus's Hush-Chidsey rate constants. Journal of Electroanalytical Chemistry, 2012, 683, 112-118.	1.9	9
45	Automatic simulation of electrochemical transients assuming finite diffusion space at planar interfaces, by the adaptive Huber method for Volterra integral equations. Journal of Electroanalytical Chemistry, 2012, 684, 20-31.	1.9	13
46	Automatic simulation of electrochemical transients by the adaptive Huber method for Volterra integral equations involving Kernel terms $\exp[\hat{a}^{\pm}(t-\hat{i},)] \operatorname{erex}\{[\hat{I}^2(t-\hat{i},)]^{1/2}\}$ and $\exp[\hat{a}^{\pm}(t-\hat{i},)] \operatorname{daw}\{[\hat{I}^2(t-\hat{i},)]^{1/2}\}$ . Journal of Mathematical Chemistry, 2012, 50, 765-781.		13
47	Automatic solution of integral equations pertinent to diffusion with first order homogeneous reactions at cylindrical wire electrodes. Journal of Electroanalytical Chemistry, 2012, 674, 38-47.	1.9	19
48	A highly accurate, inexpensive procedure for computing integral transformation kernel and its moment integrals for cylindrical wire electrodes. Journal of Electroanalytical Chemistry, 2011, 661, 280-286.	1.9	18
49	Automatic simulation of electrochemical transients at cylindrical wire electrodes, by the adaptive Huber method for Volterra integral equations. Journal of Electroanalytical Chemistry, 2011, 662, 371-378.	1.9	22
50	Analysis of the applicability of the integral equation method in the theory of transient electroanalytical experiments for homogeneous reaction-diffusion systems: The case of planar electrodes. Journal of Electroanalytical Chemistry, 2011, 657, 91-97.	1.9	12
51	Extension of the Adaptive Huber Method for Solving Integral Equations Occurring in Electroanalysis, onto Kernel Function Representing Fractional Diffusion. Electroanalysis, 2011, 23, 1506-1511.	1.5	12
52	An adaptive Huber method for non-linear systems of weakly singular second kind Volterra integral equations. Applied Mathematics and Computation, 2011, 217, 5622-5631.	1.4	25
53	A highly accurate, inexpensive procedure for computing theoretical chronoamperometric current at cylindrical wire electrodes. Electrochimica Acta, 2011, 56, 6982-6988.	2.6	17
54	Extension of the adaptive Huber method for Volterra integral equations arising in electroanalytical chemistry, to convolution kernels $\exp[\hat{a}^{\pm}(t-\hat{i},)] \operatorname{erex}\{[\hat{I}^2(t-\hat{i},)]^{1/2}\}$ and $\exp[\hat{a}^{\pm}(t-\hat{i},)] \operatorname{daw}\{[\hat{I}^2(t-\hat{i},)]^{1/2}\}$ . Journal of Computational Methods in Sciences and Engineering, 2011, 11, 323-338.		5

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55	An adaptive Huber method for weakly singular second kind Volterra integral equations with non-linear dependencies between unknowns and their integrals. <i>Computing (Vienna/New York)</i> , 2010, 87, 35-54.	3.2	29
56	Automatic simulation of cyclic voltammograms by the adaptive Huber method for systems of weakly singular Volterra integral equations. <i>Journal of Electroanalytical Chemistry</i> , 2010, 642, 127-134.	1.9	22
57	Value of the exponential currentâ€™time perturbation for achieving stationary polarisation curves at planar and spherical electrodes of any size. <i>Electrochimica Acta</i> , 2010, 55, 9010-9018.	2.6	1
58	Automatic simulation of cyclic voltammograms by the adaptive Huber method for weakly singular second kind Volterra integral equations. <i>Electrochimica Acta</i> , 2010, 55, 721-728.	2.6	25
59	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.	2.6	15
60	Electrocatalysis at Modified Microelectrodes: A Theoretical Approach to Cyclic Voltammetry. <i>Journal of Physical Chemistry C</i> , 2010, 114, 14542-14551.	1.5	11
61	An adaptive Huber method with local error control, for the numerical solution of the first kind Abel integral equations. <i>Computing (Vienna/New York)</i> , 2008, 83, 25-39.	3.2	35
62	Initialisation of the adaptive Huber method for solving the first kind Abel integral equation. <i>Computing (Vienna/New York)</i> , 2008, 83, 163-174.	3.2	25
63	Experiments with a local adaptive grid h-refinement for the finite-difference solution of BVPs in singularly perturbed second-order ODEs. <i>Applied Mathematics and Computation</i> , 2008, 195, 196-219.	1.4	7
64	Adaptive solution of BVPs in singularly perturbed second-order ODEs, by the extended Numerov method combined with an iterative local grid h-refinement. <i>Applied Mathematics and Computation</i> , 2008, 198, 665-682.	1.4	6
65	Cyclic Voltammetric Current Functions Determined with a Prescribed Accuracy by the Adaptive Huber Method for Abel Integral Equations. <i>Analytical Chemistry</i> , 2008, 80, 9659-9665.	3.2	26
66	Two new compact finite-difference schemes for the solution of boundary value problems in second-order non-linear ordinary differential equations, using non-uniform grids. <i>Journal of Computational Methods in Sciences and Engineering</i> , 2008, 8, 3-18.	0.1	4
67	A Unifying View of Computational Electrochemistry. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	2
68	Preface: International Symposium on Computational Electrochemistry. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	0
69	A fourth-order accurate, three-point compact approximation of the boundary gradient, for electrochemical kinetic simulations by the extended Numerov method. <i>Electrochimica Acta</i> , 2007, 52, 2203-2209.	2.6	11
70	A set of compact finite-difference approximations to first and second derivatives, related to the extended Numerov method of Chawla on nonuniform grids. <i>Computing (Vienna/New York)</i> , 2007, 81, 77-89.	3.2	9
71	Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. <i>Electrochimica Acta</i> , 2007, 52, 3929-3940.	2.6	12
72	High-Dimensional Model Representation of Cyclic Voltammograms. <i>Analytical Chemistry</i> , 2006, 78, 1807-1816.	3.2	7

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73	Extraction of Parameters and Their Error Distributions from Cyclic Voltammograms Using Bootstrap Resampling Enhanced by Solution Maps: A Computational Study. <i>Analytical Chemistry</i> , 2006, 78, 8430-8437.	3.2	19
74	A singularity correction procedure for digital simulation of potential-step chronoamperometric transients in one-dimensional homogeneous reaction-diffusion systems. <i>Electrochimica Acta</i> , 2005, 50, 3253-3261.	2.6	8
75	Improving the accuracy of the spatial discretization in finite-difference electrochemical kinetic simulations, by means of the extended Numerov method. <i>Journal of Computational Chemistry</i> , 2004, 25, 1075-1083.	1.5	16
76	A fourth-order accurate, Numerov-type, three-point finite-difference discretization of electrochemical reaction-diffusion equations on nonuniform (exponentially expanding) spatial grids in one-dimensional space geometry. <i>Journal of Computational Chemistry</i> , 2004, 25, 1515-1521.	1.5	9
77	Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. Part 15: patch-adaptive simulation of example transient experiments described by Nernst-Planck-electroneutrality equations in one-dimensional space geometry. <i>Journal of Electroanalytical Chemistry</i> , 2004, 565, 273-285.	1.9	18
78	Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. Part 14: extension of the patch-adaptive strategy to time-dependent models involving migration-diffusion transport in one-dimensional space geometry, and its application to example transient experiments described by Nernst-Planck-Poisson equations. <i>Journal of Electroanalytical Chemistry</i> , 2004, 565, 251-271.	1.9	13
79	Comments on the paper by M. Rudolph, entitled "Digital simulations on unequally spaced grids. Part 1. Critical remarks on using the point method by discretisation on a transformed grid". <i>Journal of Electroanalytical Chemistry</i> , 2003, 558, 167-170.	1.9	13
80	High order accurate, one-sided finite-difference approximations to concentration gradients at the boundaries, for the simulation of electrochemical reaction-diffusion problems in one-dimensional space geometry. <i>Computational Biology and Chemistry</i> , 2003, 27, 315-325.	1.1	23
81	The combined unidirectional and local coupling in a spatially one-dimensional model of oscillatory metal electrodisolution. Patch-adaptive simulation study. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 1831-1841.	1.3	12
82	Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. Advantage of time step adaptation, using example of current spikes in linear potential sweep voltammograms for the E <sub>q</sub> rev-E <sub>q</sub> rev-DISP reaction mechanism. <i>Electrochemistry Communications</i> , 2002, 4, 5-10.	2.3	13
83	Analytical formulae for chronoamperometry of a charge neutralisation process under conditions of linear migration and diffusion. <i>Electrochemistry Communications</i> , 2002, 4, 917-921.	2.3	13
84	Use of the Numerov method to improve the accuracy of the spatial discretisation in finite-difference electrochemical kinetic simulations. <i>Computers &amp; Chemistry</i> , 2002, 26, 633-644.	1.2	22
85	Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. <i>Journal of Electroanalytical Chemistry</i> , 2002, 527, 1-10.	1.9	21
86	Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. <i>Journal of Electroanalytical Chemistry</i> , 2002, 527, 11-20.	1.9	9
87	Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. Part 12. Patch-adaptive simulation of example transient experiments described by kinetic models defined over multiple space intervals in one-dimensional space geometry. <i>Journal of Electroanalytical Chemistry</i> , 2002, 527, 21-32.	1.9	12
88	Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. <i>Journal of Electroanalytical Chemistry</i> , 2002, 529, 51-58.	1.9	9
89	Extension of the Thomas Algorithm to a Class of Algebraic Linear Equation Systems Involving Quasi-Block-Tridiagonal Matrices with Isolated Block-Pentadiagonal Rows, Assuming Variable Block Dimensions. <i>Computing (Vienna/New York)</i> , 2001, 67, 269-285.	3.2	24
90	Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. Patch-adaptive simulation of moving fronts in non-linear diffusion models of the switching of conductive polymers. <i>Electrochemistry Communications</i> , 2001, 3, 149-153.	2.3	19



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91	Chronopotentiometry at a microband electrode: simulation study using a Rosenbrock time integration scheme for differential-algebraic equations and a direct sparse solver. <i>Journal of Electroanalytical Chemistry</i> , 2001, 503, 141-152.	1.9	11
92	Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. <i>Journal of Electroanalytical Chemistry</i> , 2000, 481, 134-151.	1.9	18
93	Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. <i>Journal of Electroanalytical Chemistry</i> , 2000, 481, 115-133.	1.9	43
94	Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. <i>Journal of Electroanalytical Chemistry</i> , 2000, 481, 152-167.	1.9	22
95	Finite-difference electrochemical kinetic simulations using the Rosenbrock time integration scheme. <i>Journal of Electroanalytical Chemistry</i> , 1999, 469, 97-115.	1.9	45
96	Use of sensitivity analysis methods in the modelling of electrochemical transients Part 1. Gaining more insight into the behaviour of kinetic models. <i>Journal of Electroanalytical Chemistry</i> , 1998, 441, 271-285.	1.9	18
97	Use of sensitivity analysis methods in the modelling of electrochemical transients.. <i>Journal of Electroanalytical Chemistry</i> , 1998, 447, 173-186.	1.9	9
98	Use of sensitivity analysis methods in the modelling of electrochemical transients. <i>Journal of Electroanalytical Chemistry</i> , 1998, 458, 209-229.	1.9	27
99	ELSIM—a problem-solving environment for electrochemical kinetic simulations. Version 3.0-solution of governing equations associated with interfacial species, independent of spatial coordinates or in one-dimensional space geometry. <i>Computers &amp; Chemistry</i> , 1997, 21, 1-12.	1.2	63
100	The effect of the discretization of the mixed boundary conditions on the numerical stability of the Crank-Nicolson algorithm of electrochemical kinetic simulations. <i>Computers &amp; Chemistry</i> , 1997, 21, 391-401.	1.2	14
101	A reaction compiler for electrochemical kinetics. <i>Computers &amp; Chemistry</i> , 1996, 20, 403-418.	1.2	32
102	A method-oriented approach to the formulation of algorithms for electrochemical kinetic simulations. Part 2. Extension to kinetic problems characterized by the simultaneous presence of bulk and interfacial species. <i>Journal of Electroanalytical Chemistry</i> , 1996, 404, 195-208.	1.9	16
103	Automatic derivation of the governing equations that describe a transient electrochemical experiment, given a reaction mechanism of arbitrary complexity. Part 1. Problem parameters and initial conditions. <i>Journal of Electroanalytical Chemistry</i> , 1996, 406, 33-43.	1.9	27
104	Automatic derivation of the governing equations that describe a transient electrochemical experiment, given a reaction mechanism of arbitrary complexity. Part 2. Governing equations in one-dimensional geometry. <i>Journal of Electroanalytical Chemistry</i> , 1996, 406, 45-52.	1.9	35
105	Numerical stability of finite difference algorithms for electrochemical kinetic simulations: Matrix stability analysis of the classic explicit, fully implicit and Crank-Nicolson methods and typical problems involving mixed boundary conditions. <i>Computers &amp; Chemistry</i> , 1995, 19, 121-136.	1.2	24
106	Numerical stability of the Saul'yev finite difference algorithms for electrochemical kinetic simulations: Matrix stability analysis for an example problem involving mixed boundary conditions. <i>Computers &amp; Chemistry</i> , 1995, 19, 357-370.	1.2	14
107	Numerical stability of finite difference algorithms for electrochemical kinetic simulations. Matrix stability analysis of the classic explicit, fully implicit and Crank-Nicolson methods, extended to the 3- and 4-point gradient approximation at the electrodes. <i>Computers &amp; Chemistry</i> , 1995, 19, 351-355.	1.2	12
108	Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. <i>Journal of Electroanalytical Chemistry</i> , 1994, 374, 1-22.	1.9	35

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109	Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. <i>Journal of Electroanalytical Chemistry</i> , 1994, 374, 23-35.	1.9	29
110	Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. <i>Journal of Electroanalytical Chemistry</i> , 1994, 379, 71-87.	1.9	27
111	Efficiency of Electrochemical Kinetic Simulations by Orthogonal Collocation and Finite Difference Methods. A comparison.. <i>Acta Chemica Scandinavica</i> , 1994, 48, 609-610.	0.7	1
112	Electrochemical kinetic simulations of mixed diffusion/homogeneous reaction problems by the Saul'yev finite difference algorithms. <i>Analytica Chimica Acta</i> , 1993, 278, 59-70.	2.6	16
113	ELSIM – A PC program for electrochemical kinetic simulations. Version 2.0 – solution of the sets of kinetic partial differential equations in one-dimensional geometry, using finite difference and orthogonal collocation methods. <i>Computers &amp; Chemistry</i> , 1993, 17, 355-368.	1.2	33
114	An efficient numerical method of solving integral equations for cyclic voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 1993, 347, 15-30.	1.9	19
115	Kinetics of the oxygen electrode reaction in molten Li + Na carbonate eutectic. <i>Journal of Electroanalytical Chemistry</i> , 1993, 353, 195-208.	1.9	15
116	The von Neumann stability of finite-difference algorithms for the electrochemical kinetic simulation of diffusion coupled with homogeneous reactions. <i>Journal of Electroanalytical Chemistry</i> , 1993, 345, 13-25.	1.9	34
117	Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. <i>Journal of Electroanalytical Chemistry</i> , 1993, 360, 119-138.	1.9	41
118	Efficiency of Electrochemical Kinetic Simulations by Orthogonal Collocation and Finite Difference Methods. A Comparison.. <i>Acta Chemica Scandinavica</i> , 1993, 47, 757-767.	0.7	12
119	An efficient numerical method of solving the Abel integral equation for cyclic voltammetry. <i>Computers &amp; Chemistry</i> , 1992, 16, 311-317.	1.2	14
120	ELSIM – A user-friendly PC program for electrochemical kinetic simulations. Version 1.0 – Solution of integral equations for linear scan and cyclic voltammetry. <i>Computers &amp; Chemistry</i> , 1992, 16, 11-14.	1.2	50
121	A method-oriented approach to the formulation of algorithms for electrochemical kinetic simulations. <i>Journal of Electroanalytical Chemistry</i> , 1992, 340, 19-34.	1.9	15
122	Kinetics of the oxygen electrode reaction in molten Li + Na carbonate eutectic. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 304, 101-109.	0.3	21
123	Kinetics of the oxygen electrode reaction in molten Li + Na carbonate eutectic. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 304, 111-121.	0.3	24
124	Kinetics of the Oxygen Electrode Reactions at Golden Electrode in Molten (Li/Na) Carbonate Eutectic. <i>Materials Science Forum</i> , 1991, 73-75, 617-624.	0.3	0
125	Simulation of cyclic voltammetry for the linked mechanism of the hydrogen electrode reaction in molten carbonates. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 249, 155-165.	0.3	3
126	The linked mechanism of the hydrogen electrode reaction in molten carbonates. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1986, 197, 387-393.	0.3	2



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127	Use of potential-step formulae to reduce computational time in the simulation of linear voltammetry by orthogonal collocation. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1986, 208, 165-168.	0.3	4
128	Linear voltammetric current functions for a pseudo-first-order EC catalytic reaction scheme with DO â% DR: Series expansion algorithm. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1985, 188, 13-20.	0.3	9
129	A study of ion transfer across the interface of two immiscible electrolyte solutions by chronopotentiometry with cyclic linear current-scanning. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1985, 189, 1-20.	0.3	32
130	The potential-step method theory for a linked mechanism involving an adsorption step, a charge-transfer step and diffusion, in the case of very low coverages of the intermediate. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1985, 195, 419-424.	0.3	4
131	Influence of diffusion coefficient ratio on potential-step chronoamperometric and linear voltammetric current at stationary planar electrodes in the case of a pseudo-first-order EC catalytic reaction scheme. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1984, 170, 77-87.	0.3	17
132	Monte Carlo simulation of the emergency shutdown system for the high-temperature pebble-bed nuclear reactor. <i>Annals of Nuclear Energy</i> , 1983, 10, 299-303.	0.9	1