Milivoj LovriÄ

List of Publications by Year
in descending order

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115 papers	2,986 citations	201385 27 h-index	189595 50 g-index
115 all docs	115 docs citations	115 times ranked	1333 citing authors

#	Article	IF	Citations
1	Square-wave voltammetry of an adsorbed reactant. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 248, 239-253.	0.3	235
2	Square-Wave Voltammetry. Monographs in Electrochemistry, 2007, , .	0.2	198
3	Squareâ€Wave Voltammetry: A Review on the Recent Progress. Electroanalysis, 2013, 25, 2411-2422.	1.5	184
4	Adsorption effects in square-wave voltammetry of totally irreversible redox reactions. Electrochimica Acta, 1988, 33, 739-744.	2.6	118
5	Square-wave voltammetry of quasi-reversible surface redox reactions. Journal of Electroanalytical Chemistry, 1995, 384, 115-122.	1.9	108
6	A model for the coupled transport of ions and electrons in redox conductive microcrystals. Journal of Solid State Electrochemistry, 1999, 3, 172-175.	1.2	102
7	Kinetic measurements of a surface confined redox reaction. Analytica Chimica Acta, 1995, 305, 248-255.	2.6	96
8	Split square-wave voltammograms of surface redox reactions. Electroanalysis, 1997, 9, 1283-1287.	1.5	93
9	Cyclic voltammetry of decamethylferrocene at the organic liquidâˆ£aqueous solutionâˆ£graphite three-phase junction. Journal of Electroanalytical Chemistry, 2001, 508, 129-137.	1.9	82
10	Square-wave voltammetric peak current enhancements by adsorption and reversibility of the redox reaction. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1987, 226, 239-251.	0.3	71
11	Theory of square-wave stripping voltammetry with adsorptive accumulation. Fresenius Zeitschrift FÃ¼r Analytische Chemie, 1989, 335, 289-294.	0.7	62
12	Reactant adsorption in analytical pulse voltammetry: Methodology and recommendations (Technical) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	57
13	Square-wave voltammetry of quasi-reversible electrode processes with coupled homogeneous chemical reactions. Journal of Electroanalytical Chemistry, 2002, 518, 91-102.	1.9	51
14	Reactant adsorption in pulse polarography. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1984, 170, 143-173.	0.3	49
15	Measurements of redox kinetics of adsorbed azobenzene by â€œa quasireversible maximumâ€•in square-wave voltammetry. Electrochimica Acta, 1995, 40, 1781-1784.	2.6	48
16	Theory of differential normal pulse voltammetry. Electrochimica Acta, 1982, 27, 963-968.	2.6	46
17	Quasireversible Maximum in Cathodic Stripping Square-Wave Voltammetry. Electroanalysis, 1999, 11, 984-989.	1.5	40
18	Ohmic drop effects in square-wave voltammetry. Journal of Electroanalytical Chemistry, 2001, 497, 114-124.	1.9	38

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19	Reactant adsorption in pulse polarography. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1985, 190, 1-20.	0.3	36
20	Square-Wave Voltammetry of Decamethylferrocene at the Three-Phase Junction Organic Liquid/Aqueous Solution/Graphite. Collection of Czechoslovak Chemical Communications, 2001, 66, 434-444.	1.0	36
21	A Comparative Study of the Anion Transfer Kinetics Across a Water/Nitrobenzene Interface by Means of Electrochemical Impedance Spectroscopy and Square-Wave Voltammetry at Thin Organic Film-Modified Electrodes. Langmuir, 2006, 22, 3404-3412.	1.6	36
22	Theoretical study of a surface electrode reaction preceded by a homogeneous chemical reaction under conditions of square-wave voltammetry. Electrochemistry Communications, 2005, 7, 515-522.	2.3	35
23	On the electrochemically driven formation of bilayered systems of solid Prussian-blue-type metal hexacyanoferrates: a model for Prussian blueâˆ£cadmium hexacyanoferrate supported by finite difference simulations. Journal of Electroanalytical Chemistry, 2001, 501, 193-204.	1.9	34
24	A square-wave voltammetry in a cathodic stripping mode. Electroanalysis, 1992, 4, 327-337.	1.5	32
25	Theoretical and experimental study of the surface redox reaction involving interactions between the adsorbed particles under conditions of square-wave voltammetry. Journal of Electroanalytical Chemistry, 2001, 515, 91-100.	1.9	32
26	Electron transfer kinetics of an adsorbed redox couple by double potential-step chronocoulometry. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1984, 177, 253-268.	0.3	29
27	Reactant adsorption in pulse polargraphy. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1984, 181, 35-49.	0.3	27
28	Effect of Ionic Strength on Bi(III) Reduction from Perchlorate Medium. Journal of the Electrochemical Society, 1993, 140, 1850-1853.	1.3	27
29	A Cathodic Stripping Square-Wave Voltammetry of a Second-Order Redox Reaction and Its Application to the Mercury-Cysteine System. Electroanalysis, 1998, 10, 976-984.	1.5	26
30	A new rapid and simple method to determine the kinetics of electrode reactions of biologically relevant compounds from the half-peak width of the square-wave voltammograms. Biophysical Chemistry, 2008, 138, 130-137.	1.5	26
31	Quasi-reversible EC reactions at spherical microelectrodes analysed by square-wave voltammetry. Journal of Electroanalytical Chemistry, 2002, 527, 85-92.	1.9	25
32	Protein-film voltammetry: A theoretical study of the temperature effect using square-wave voltammetry. Biophysical Chemistry, 2008, 137, 49-55.	1.5	25
33	Influence of anion-induced adsorption on D.C. polarography of metal ions. Analytica Chimica Acta, 1989, 218, 7-23.	2.6	24
34	Modeling cyclic voltammograms of simultaneous electron and ion transfer reactions at a conic film three-phase electrode. Journal of Electroanalytical Chemistry, 2003, 540, 89-96.	1.9	24
35	EC mechanism of an adsorbed redox couple. Volume vs surface chemical reaction. Journal of Electroanalytical Chemistry, 2004, 565, 191-202.	1.9	24
36	The theory of the EE mechanism with adsorption of the intermediate. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1983, 153, 1-27.	0.3	23

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37	Bromide induced adsorption of lead ions on mercury electrodes. Electrochimica Acta, 1990, 35, 1701-1706.	2.6	23
38	Square-wave voltammetry of a cathodic stripping reaction complicated by adsorption of the reacting ligand. Analytica Chimica Acta, 1999, 386, 47-62.	2.6	23
39	Studying ion transfers across a room temperature ionic liquidâˆ£aqueous electrolyte interface driven by redox reactions of lutetium bis(tetra-tert-butylphthalocyaninato). Journal of Electroanalytical Chemistry, 2007, 611, 192-200.	1.9	23
40	Square-wave protein-film voltammetry: new insights in the enzymatic electrode processes coupled with chemical reactions. Journal of Solid State Electrochemistry, 2019, 23, 2493-2506.	1.2	23
41	Peak currentâ€"frequency relationship in adsorptive stripping square-wave voltammetry. Journal of Electroanalytical Chemistry, 1992, 335, 297-308.	1.9	22
42	Redox kinetics in cathodic stripping square-wave voltammetry. Electroanalysis, 1995, 7, 1121-1125.	1.5	22
43	Theory of square-wave voltammetry of electrode reaction followed by the dimerization of product. Electrochimica Acta, 2013, 90, 226-231.	2.6	21
44	A peak current - scan rate relationship in staircase voltammetry of a surface redox reaction. Electroanalysis, 1996, 8, 959-962.	1.5	20
45	Theory of square-wave voltammetry of quasireversible electrode reactions using an inverse scan direction. Electrochimica Acta, 2010, 55, 948-951.	2.6	20
46	Coadsorption of Bi(III) and Clâ^' at a mercury electrode. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 241, 329-341.	0.3	19
47	Comparison of stripping methods at thin-film mercury electrodes. Analyst, The, 1990, 115, 45.	1.7	19
48	Anion induced adsorption in pulse polarography. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 316, 315-328.	0.3	18
49	Square-Wave Voltammetry of Cathodic Stripping Reactions. Diagnostic Criteria, Redox Kinetic Measurements, and Analytical Applications. Electroanalysis, 2004, 16, 832-842.	1.5	18
50	Irreversibility and reactant adsorption in differential pulse polarography. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1987, 218, 77-91.	0.3	16
51	Chloride induced adsorption of Bi(III) at a mercury electrode. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1989, 266, 185-189.	0.3	16
52	Sulfide ion electrooxidation catalysed by cobalt phthalocyanine microcrystals. Mikrochimica Acta, 1997, 127, 95-99.	2.5	16
53	Reactant adsorption in pulse polarography. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1986, 197, 49-61.	0.3	15
54	Cathodic Stripping Voltammetry of Uracil. Experimental and Theoretical Study Under Conditions of Squareâ€Wave Voltammetry. Electroanalysis, 2009, 21, 87-95.	1.5	15

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55	Theory of square-wave voltammetry of two-step electrode reaction with kinetically stabilized intermediate. Journal of Electroanalytical Chemistry, 2011, 660, 22-25.	1.9	15
56	What makes the anodic stripping voltammetry of mercury at a trace level possible?. Electroanalysis, 1997, 9, 1189-1196.	1.5	14
57	Diffusion from a three-phase junction into a hemispherical droplet. Electrochemistry Communications, 1999, 1, 207-212.	2.3	14
58	Isopotential points in reverse square-wave voltammetry. Journal of Electroanalytical Chemistry, 2009, 637, 28-32.	1.9	14
59	A formal scan rate in staircase and square-wave voltammetry. Journal of Electroanalytical Chemistry, 2010, 645, 103-108.	1.9	14
60	Theory of square-wave voltammetry of two electron reduction with the intermediate that is stabilized by complexation. Electrochimica Acta, 2012, 69, 60-64.	2.6	14
61	Adsorption of PbBr2 Complex on Mercury Electrodes. Langmuir, 1995, 11, 1784-1790.	1.6	13
62	A theory of square-wave voltammetry of surface-active, electroinactive compounds. Electrochimica Acta, 2008, 53, 8045-8050.	2.6	13
63	Simple EEE mechanism at DME. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1980, 112, 169-174.	0.3	12
64	Redox Kinetics Measurements of Probucole Using Square-Wave Voltammetry. Electroanalysis, 1999, 11, 660-663.	1.5	12
65	The influence of electrolyte concentration on the parameters of the Frumkin isotherm in the Cd2+â€“Iâ^' system. Journal of Electroanalytical Chemistry, 2003, 541, 67-76.	1.9	12
66	Theory of metal ions accumulation by the synergistic adsorption at mercury electrodes. Collection of Czechoslovak Chemical Communications, 1990, 55, 903-923.	1.0	12
67	A minimum separating diffusion and adsorption waves in polarography using a static mercury drop electrode. Journal of Electroanalytical Chemistry, 1999, 465, 30-36.	1.9	11
68	Square-Wave Voltammetry. , 2010, , 121-145.		11
69	Capacitive currents in pulse polarography for the case of the reversible Eâ†“E mechanism. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1984, 175, 33-52.	0.3	10
70	Reactant adsorption in pulse polarography. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1987, 223, 271-276.	0.3	10
71	Theory of Square-Wave Voltammetry of a Reversible Redox Reaction Complicated by the Reactant Adsorption. Electroanalysis, 2002, 14, 405-414.	1.5	10
72	Simulation of square-wave voltammograms of three-electron redox reaction. Electrochimica Acta, 2011, 56, 7189-7193.	2.6	10

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73	Theory of Square-Wave Voltammetry of Two-Electron Reduction with the Adsorption of Intermediate. International Journal of Electrochemistry, 2012, 2012, 1-7.	2.4	10
74	Theory of square wave voltammetry of amalgam forming ions at spherical electrodes. Electrochimica Acta, 2014, 130, 286-289.	2.6	10
75	Square-wave polarography of bismuth. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1986, 214, 103-114.	0.3	9
76	Detection of surface activity by voltammetric measurements. Electroanalysis, 1995, 7, 652-655.	1.5	9
77	The standard potentials of the electrode â€œdissolved atomic mercury/dissolved mercury ionsâ€: Electroanalysis, 1996, 8, 1075-1076.	1.5	9
78	Differential Pulse Voltammetry on Spherical Microelectrodes. Electroanalysis, 1999, 11, 1089-1093.	1.5	9
79	Preceding chemical reactions in dc polarography:. Journal of Electroanalytical Chemistry, 2002, 531, 147-154.	1.9	9
80	Distribution of three ions in the thin film experiment. Electrochemistry Communications, 2003, 5, 637-643.	2.3	9
81	Theory of Square-wave Voltammetry of Kinetically Controlled Two-step Electrode Reactions. Croatica Chemica Acta, 2012, 85, 569-575.	0.1	9
82	Comparison of Cyclic and Square Wave Voltammetry of Irreversible EC Mechanisms. ChemElectroChem, 2015, 2, 2027-2031.	1.7	9
83	The simulation of the homogeneous catalytic reaction at a monolayer-film covered rotating disc electrode. Electrochimica Acta, 1983, 28, 1261-1267.	2.6	8
84	Drop life-time dependence of current density in differential pulse polarography. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1985, 183, 107-122.	0.3	8
85	Staircase voltammetry with finite diffusion space. Electroanalysis, 1997, 9, 575-577.	1.5	8
86	A Simulation of an Initial Stage of a Pseudopolarographic Experiment on a Thin Mercury Film Covered Rotating Disk Electrode. Electroanalysis, 1998, 10, 1022-1025.	1.5	8
87	Three-phase electrodes: simple and efficient tool for analysis of ion transfer processes across liquid-liquid interfaceâ€”twenty years on. Journal of Solid State Electrochemistry, 2020, 24, 2575-2583.	1.2	8
88	Berberine adsorption at a mercury electrode. Mikrochimica Acta, 1989, 97, 159-169.	2.5	7
89	Pulse polarography of azobenzene. Electroanalysis, 1994, 6, 651-656.	1.5	6
90	Kinetics of electrode reaction coupled to ion transfer across the liquid/liquid interface. Open Chemistry, 2005, 3, 216-229.	1.0	6

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91	Theory of Square-Wave Voltammetry of Two-Step Electrode Reaction Using an Inverse Scan Direction. International Journal of Electrochemistry, 2011, 2011, 1-6.	2.4	6
92	Theory of Kinetically Controlled Electrode Reaction Coupled to Ion Transfer across the Liquid/Liquid Interface. ChemElectroChem, 2014, 1, 436-440.	1.7	6
93	Square-wave voltammetry of dissolved redox couple. Russian Journal of Electrochemistry, 2010, 46, 1373-1377.	0.3	5
94	Theoretical Analysis of Pulse and Differential Pulse Polarography of Reversible Redox Reaction Complicated by Reactant Adsorption. Collection of Czechoslovak Chemical Communications, 2001, 66, 423-433.	1.0	5
95	Stripping Voltammetry. , 2010, , 201-221.		4
96	Theory of square wave voltammetry of three step electrode reaction. Journal of Electroanalytical Chemistry, 2014, 735, 90-94.	1.9	4
97	Modeling of Catalytic Reaction in Protein-Film Linear Scan Voltammetry at Rotating Disk Electrode. Portugaliae Electrochimica Acta, 2009, 27, 505-515.	0.4	4
98	Faradaic alternating current response of the adsorbed redox couple. Mikrochimica Acta, 1990, 100, 321-325.	2.5	3
99	Non-Cottrell currentâ€“time relationship, caused by reactant adsorption in differential pulse polarography. Journal of Electroanalytical Chemistry, 2008, 624, 174-178.	1.9	3
100	Theory of Anodic Stripping Square Wave Voltammetry on Spherical Mercury Electrodes. Croatica Chemica Acta, 2014, 87, 287-290.	0.1	3
101	Influence of product adsorption on catalytic reaction determined by Michaelisâ€“Menten kinetics. Journal of Electroanalytical Chemistry, 2015, 748, 47-51.	1.9	3
102	Simulation of electrocatalytic mechanism followed by chemical reaction. Journal of Electroanalytical Chemistry, 2016, 768, 129-133.	1.9	3
103	Manifestation of reactivation of the electrode surface in staircase cyclic voltammetry. Electrochemistry Communications, 2018, 86, 48-52.	2.3	3
104	Isopotential points in square-wave voltammetry of reversible electrode reactions. Collection of Czechoslovak Chemical Communications, 2009, 74, 1489-1501.	1.0	3
105	Theory of reverse scan square-wave voltammetry influenced by the kinetics of reactant adsorption. Open Chemistry, 2010, 8, 513-518.	1.0	2
106	Reversible reduction of a simple amalgam-forming ion. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1980, 110, 347-349.	0.3	1
107	Logarithmic analysis of polarographic waves complicated by nonparallel initial and limiting currents. Electroanalysis, 1992, 4, 963-968.	1.5	1
108	Square-Wave Voltammetry. , 2005, , 111-136.		1

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109	Components of the Net Current in Differential Pulse Polarography. Part 2. Kinetics and Adsorption. Electroanalysis, 2011, 23, 642-650.	1.5	1
110	Inhibition of mediated electron transfer. Journal of Electroanalytical Chemistry, 2018, 826, 170-173.	1.9	1
111	Staircase cyclic voltammetry of electrocatalytic reaction inhibited by the product. Journal of Solid State Electrochemistry, 2020, 24, 2717-2721.	1.2	1
112	Stripping Voltammetry. , 2005, , 191-210.		1
113	MODELLING REVERSIBLE INHIBITION OF IRREVERSIBLE ELECTRO-OXIDATION. Journal of the Chilean Chemical Society, 2020, 65, 4661-4663.	0.5	1
114	Modelling Electrocatalytic Reactions on Rotating Disk Electrodes. Russian Journal of Electrochemistry, 2022, 58, 202-209.	0.3	1
115	Product Inhibited Enzymatic Reactions on the Rotating Disk Electrodes. Electroanalysis, 2021, 33, 2372.	1.5	0