

# Alan Maxwell Bond

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2928241/publications.pdf>

Version: 2024-02-01

958  
papers

29,942  
citations

10389  
72  
h-index

24982  
109  
g-index

980  
all docs

980  
docs citations

980  
times ranked

18053  
citing authors

#	ARTICLE	IF	CITATIONS
1	A statistical overview of standard (IUPAC and ACS) and new procedures for determining the limits of detection and quantification: Application to voltammetric and stripping techniques (Technical) Tj ETQq1 1 0.7843149gBT /Overclock 10	14.9	1024
2	Hybrid polyoxometalate materials for photo(electro-) chemical applications. Coordination Chemistry Reviews, 2016, 306, 217-234.	18.8	314
3	Voltammetry in Room Temperature Ionic Liquids: Comparisons and Contrasts with Conventional Electrochemical Solvents.. Chemistry - an Asian Journal, 2010, 5, 202-230.	3.3	280
4	Electrochemistry in organic solvents without supporting electrolyte using platinum microelectrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1984, 168, 299-312.	0.1	264
5	Electrochemistry of Room Temperature Protic Ionic Liquids. Journal of Physical Chemistry B, 2008, 112, 6923-6936.	2.6	254
6	Steady-state voltammetry. Analytica Chimica Acta, 1989, 216, 177-230.	5.4	238
7	Formation of lattice-dislocated bismuth nanowires on copper foam for enhanced electrocatalytic CO <sub>2</sub> reduction at low overpotential. Energy and Environmental Science, 2019, 12, 1334-1340.	30.8	230
8	Covalent modification of carbon electrodes for voltammetric differentiation of dopamine and ascorbic acid. Analytica Chimica Acta, 1995, 317, 303-310.	5.4	202
9	The dynamic role of bone morphogenetic proteins in neural stem cell fate and maturation. Developmental Neurobiology, 2012, 72, 1068-1084.	3.0	199
10	A comparison of the chronoamperometric response at inlaid and recessed disc microelectrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 249, 1-14.	0.1	195
11	Past, present and future contributions of microelectrodes to analytical studies employing voltammetric detection. A review. Analyst, The, 1994, 119, 1R.	3.5	192
12	Changing the Look of Voltammetry. Analytical Chemistry, 2005, 77, 186 A-195 A.	6.5	184
13	Electrochemistry and redox behaviour of transition metal dithiocarbamates. Coordination Chemistry Reviews, 1984, 54, 23-98.	18.8	178
14	Practical considerations associated with voltammetric studies in room temperature ionic liquids. Analyst, The, 2005, 130, 1132.	3.5	172
15	Electrochemical Study of Microcrystalline Solid Prussian Blue Particles Mechanically Attached to Graphite and Gold Electrodes: Electrochemically Induced Lattice Reconstruction. The Journal of Physical Chemistry, 1995, 99, 2096-2103.	2.9	164
16	Spectroscopy of Naphthalene Diimides and Their Anion Radicals. Australian Journal of Chemistry, 2004, 57, 1011.	0.9	159
17	Reference Potential Calibration and Voltammetry at Macrodisk Electrodes of Metallocene Derivatives in the Ionic Liquid [bmim][PF <sub>6</sub> ]. Analytical Chemistry, 2002, 74, 3151-3156.	6.5	153
18	A fast electron transfer rate for the oxidation of ferrocene in acetonitrile or dichloromethane at platinum disk ultramicroelectrodes. Analytical Chemistry, 1988, 60, 1878-1882.	6.5	150

#	ARTICLE	IF	CITATIONS
19	Theory of electrochemical processes at an inlaid disc microelectrode under steady-state conditions. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 245, 71-104.	0.1	149
20	The initiation mechanism of corrosion of zinc by sodium chloride particle deposition. <i>Corrosion Science</i> , 2002, 44, 555-572.	6.6	145
21	Electrochemical reduction of CO <sub>2</sub> on defect-rich Bi derived from Bi <sub>2</sub> S <sub>3</sub> with enhanced formate selectivity. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4714-4720.	10.3	144
22	Controllable Synthesis of Few-Layer Bismuth Subcarbonate by Electrochemical Exfoliation for Enhanced CO <sub>2</sub> Reduction Performance. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13283-13287.	13.8	141
23	Electroanalytical voltammetry in flowing solutions. <i>Analytica Chimica Acta</i> , 1986, 180, 187-250.	5.4	131
24	Conditions Required To Achieve the Apparent Equivalence of Adhered Solid- and Solution-Phase Voltammetry for Ferrocene and Other Redox-Active Solids in Ionic Liquids. <i>Analytical Chemistry</i> , 2003, 75, 2694-2702.	6.5	127
25	Graphene-supported [{Ru <sub>4</sub> O <sub>4</sub> (OH) <sub>2</sub> (H <sub>2</sub> O) <sub>4</sub> }( <sup>3</sup> -SiW <sub>10</sub> O <sub>36</sub> ) <sub>2</sub> ] <sub>10</sub> <sup>-</sup> for highly efficient electrocatalytic water oxidation. <i>Energy and Environmental Science</i> , 2013, 6, 2654.	30.8	124
26	Electrochemistry of cytochrome c, plastocyanin, and ferredoxin at edge- and basal-plane graphite electrodes interpreted via a model based on electron transfer at electroactive sites of microscopic dimensions in size. <i>Journal of the American Chemical Society</i> , 1989, 111, 9185-9189.	13.7	116
27	The electrochemical reduction of indigo dissolved in organic solvents and as a solid mechanically attached to a basal plane pyrolytic graphite electrode immersed in aqueous electrolyte solution. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 1735-1742.	0.9	112
28	Examination of conditions under which the reduction of the cobaltocenium cation can be used as a standard voltammetric reference process in organic and aqueous solvents. <i>Analytical Chemistry</i> , 1993, 65, 56-64.	6.5	110
29	Utilization of nanoparticle labels for signal amplification in ultrasensitive electrochemical affinity biosensors: A review. <i>Analytica Chimica Acta</i> , 2013, 797, 1-12.	5.4	110
30	Assessment of conditions under which the oxidation of ferrocene can be used as a standard voltammetric reference process in aqueous media. <i>Analytical Chemistry</i> , 1987, 59, 2853-2860.	6.5	109
31	Electrochemical Investigation of Photooxidation Processes Promoted by Sulfo-polyoxometalates: A Coupling of Photochemical and Electrochemical Processes into an Effective Catalytic Cycle. <i>Journal of the American Chemical Society</i> , 2003, 125, 10133-10143.	13.7	109
32	Electrochemical and X-ray diffraction study of the redox cycling of nanocrystals of 7,7,8,8-tetracyanoquinodimethane. Observation of a solid-solid phase transformation controlled by nucleation and growth. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 3925-3933.	1.7	108
33	Voltammetric measurements using microelectrodes in highly dilute solutions. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1984, 172, 11-25.	0.1	107
34	Capture of Periodate in a {W <sub>18</sub> O <sub>54</sub> } Cluster Cage Yielding a Catalytically Active Polyoxometalate [H <sub>3</sub> W <sub>18</sub> O <sub>56</sub> (IO <sub>6</sub> )] <sup>6+</sup> Embedded with High-Valent Iodine. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4384-4387.	13.8	107
35	Simultaneous determination of copper, nickel, cobalt, chromium(VI), and chromium(III) by liquid chromatography with electrochemical detection. <i>Analytical Chemistry</i> , 1982, 54, 1706-1712.	6.5	106
36	Electrochemical oxidation of l-cysteine mediated by a fullerene-C <sub>60</sub> -modified carbon electrode. <i>Analytica Chimica Acta</i> , 2003, 491, 181-191.	5.4	106

#	ARTICLE	IF	CITATIONS
37	Phase, Morphology, and Particle Size Changes Associated with the Solid $\rightarrow$ Solid Electrochemical Interconversion of TCNQ and Semiconducting CuTCNQ (TCNQ = Tetracyanoquinodimethane). Chemistry of Materials, 2003, 15, 3573-3585.	6.7	106
38	Redox Activity and Two-Step Valence Tautomerism in a Family of Dinuclear Cobalt Complexes with a Spiroconjugated Bis(dioxolene) Ligand. Journal of the American Chemical Society, 2013, 135, 8304-8323.	13.7	102
39	Voltammetric Determination of the Iodide/Iodine Formal Potential and Triiodide Stability Constant in Conventional and Ionic Liquid Media. Journal of Physical Chemistry C, 2015, 119, 22392-22403.	3.1	102
40	Is the Imidazolium Cation a Unique Promoter for Electrocatalytic Reduction of Carbon Dioxide?. Journal of Physical Chemistry C, 2016, 120, 23989-24001.	3.1	100
41	Microelectrode studies without supporting electrolyte: Model and experimental comparison for singly and multiply charged ions. Journal of Electroanalytical Chemistry, 1992, 331, 877-895.	3.8	98
42	Preparation of Metal $\rightarrow$ TCNQ Charge-Transfer Complexes on Conducting and Insulating Surfaces by Photocrystallization. Journal of the American Chemical Society, 2007, 129, 2066-2073.	13.7	98
43	The use of platinum microelectrodes for electrochemical investigations in low temperature glasses of non-aqueous solvents. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1984, 180, 257-263.	0.1	97
44	Voltammetry at linear gold and platinum microelectrode arrays produced by lithographic techniques. Analytical Chemistry, 1985, 57, 2764-2770.	6.5	97
45	Mechanistic aspects of the electron and ion transport processes across the electrode   solid   solvent (electrolyte) interface of microcrystalline decamethylferrocene attached mechanically to a graphite electrode. Journal of Electroanalytical Chemistry, 1994, 372, 125-135.	3.8	97
46	Stripping voltammetric determination of selenium in biological materials by direct calibration. Analytical Chemistry, 1983, 55, 2076-2082.	6.5	95
47	Electrocatalytic carbon dioxide reduction: from fundamental principles to catalyst design. Materials Today Advances, 2020, 7, 100074.	5.2	95
48	Use of the Ferrocene Oxidation Process To Provide Both Reference Electrode Potential Calibration and a Simple Measurement (via Semiintegration) of the Uncompensated Resistance in Cyclic Voltammetric Studies in High-Resistance Organic Solvents. Analytical Chemistry, 2000, 72, 3492-3496.	6.5	94
49	A microscopic model of electron transfer at electroactive sites of molecular dimensions for reduction of cytochrome c at basal- and edge-plane graphite electrodes. The Journal of Physical Chemistry, 1989, 93, 6485-6493.	2.9	93
50	Kinetic parameters from steady-state voltammograms at microdisc electrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1989, 270, 79-101.	0.1	93
51	An inexpensive and renewable pencil electrode for use in field-based stripping voltammetry. Analytica Chimica Acta, 1997, 345, 67-74.	5.4	93
52	Cyclic voltammetry at microelectrodes in the absence of added electrolyte using a platinum quasi-reference electrode. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1986, 199, 285-295.	0.1	92
53	Spectrophotometric and voltammetric characterization of complexes of bis(2,2'-bipyridine)(2,2'-bibenzimidazole)ruthenium and -osmium in oxidation states II, III, and IV in acetonitrile/water mixtures. Inorganic Chemistry, 1986, 25, 4507-4514.	4.0	88
54	Simultaneous determination of free sulfide and cyanide by ion chromatography with electrochemical detection. Analytical Chemistry, 1982, 54, 582-585.	6.5	87

#	ARTICLE	IF	CITATIONS
55	The relationship between the electrochemistry and the crystallography of microcrystals. The case of TCNQ (7,7,8,8-tetracyanoquinodimethane)â€¦. Analyst, The, 1998, 123, 1891-1904.	3.5	85
56	A complete numerical simulation of the techniques of alternating current linear sweep and cyclic voltammetry: analysis of a reversible process by conventional and fast Fourier transform methods. Journal of Electroanalytical Chemistry, 2000, 480, 133-149.	3.8	85
57	Voltammetric Studies on the Reduction of Polyoxometalate Anions in Ionic Liquids. Inorganic Chemistry, 2005, 44, 5123-5132.	4.0	83
58	Sustained Water Oxidation by [Mn<sub>4</sub>O<sub>4</sub>]<sup>7+</sup> Core Complexes Inspired by Oxygenic Photosynthesis. Inorganic Chemistry, 2009, 48, 7269-7279.	4.0	83
59	Chemical and electrochemical approaches to the investigation of redox reactions of simple electron transfer metalloproteins. Inorganica Chimica Acta, 1994, 226, 293-340.	2.4	82
60	Synthesis and Redox Characterization of the Polyoxo Anion, $\hat{\Gamma}^3\text{-[S}_2\text{W}_{18}\text{O}_{62}]4\text{-}\hat{\Gamma}^{\%}$ A Unique Fast Oxidation Pathway Determines the Characteristic Reversible Electrochemical Behavior of Polyoxometalate Anions in Acidic Media. Inorganic Chemistry, 2001, 40, 703-709.	4.0	82
61	Assessment of differential-pulse adsorption voltammetry for the simultaneous determination of nickel and cobalt in biological materials. Analytica Chimica Acta, 1984, 164, 181-194.	5.4	81
62	Electrooxidation of Ethanol and Methanol Using the Molecular Catalyst $\{[\text{Ru}<sub>4</sub>\text{O}<sub>4</sub>(\text{OH})<sub>2</sub>(\text{H}<sub>2</sub>\text{O})<sub>4</sub>](\hat{\Gamma}^3\text{-SiW}<sub>10</sub>\text{O}<sub>18</sub>)<sub>36</sub>}<sub>36</sub>}$ . Journal of the American Chemical Society, 2016, 138, 2617-2628.	13.7	81
63	Mechanistic understanding of the electrocatalytic CO2 reduction reaction â€œ New developments based on advanced instrumental techniques. Nano Today, 2020, 31, 100835.	11.9	80
64	Fourier Transform Large-Amplitude Alternating Current Cyclic Voltammetry of Surface-Bound Azurin. Analytical Chemistry, 2004, 76, 166-177.	6.5	78
65	Electrochemistry of macrobicyclic (hexamine)cobalt(III) complexes. 1. Metal-centered and substituent reductions. Inorganic Chemistry, 1983, 22, 2010-2021.	4.0	77
66	Liquid chromatography with electrochemical and or spectrophotometric detection for automated determination of lead, cadmium, mercury, cobalt, nickel and copper. Analytical Chemistry, 1984, 56, 2085-2090.	6.5	75
67	Multielement determination in biological materials by differential pulse voltammetry. Analytical Chemistry, 1985, 57, 1386-1390.	6.5	75
68	Tuning the Electrocrystallization Parameters of Semiconducting Co[TCNQ]2-Based Materials To Yield either Single Nanowires or Crystalline Thin Films. Journal of the American Chemical Society, 2007, 129, 2369-2382.	13.7	75
69	Electrochemical Reduction of Carbon Dioxide in a Monoethanolamine Capture Medium. ChemSusChem, 2017, 10, 4109-4118.	6.8	75
70	Determination of Water in Room Temperature Ionic Liquids by Cathodic Stripping Voltammetry at a Gold Electrode. Analytical Chemistry, 2012, 84, 2784-2791.	6.5	74
71	Resistance, Capacitance, and Electrode Kinetic Effects in Fourier-Transformed Large-Amplitude Sinusoidal Voltammetry:â€œ Emergence of Powerful and Intuitively Obvious Tools for Recognition of Patterns of Behavior. Analytical Chemistry, 2004, 76, 6214-6228.	6.5	73
72	Electrochemical investigations of isomerism in manganese and Group (VI) dicarbonyl-bis [1,2-bis(diphenylphosphino)ethane] complexes. Inorganic Chemistry, 1974, 13, 1617-1623.	4.0	72

#	ARTICLE	IF	CITATIONS
73	Near-steady-state cyclic voltammetry at microelectrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989, 263, 1-21.	0.1	72
74	Photoinduced Oxidation of Water to Oxygen in the Ionic Liquid BMIMBF <sub>4</sub> as the Counter Reaction in the Fabrication of Exceptionally Long Semiconducting Silver-Tetracyanoquinodimethane Nanowires. <i>Journal of the American Chemical Society</i> , 2009, 131, 4279-4287.	13.7	72
75	How long does it take a microelectrode to reach a voltammetric steady state?. <i>Analytical Chemistry</i> , 1990, 62, 37-45.	6.5	71
76	Nonadditivity of Faradaic Currents and Modification of Capacitance Currents in the Voltammetry of Mixtures of Ferrocene and the Cobaltocenium Cation in Protic and Aprotic Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2009, 131, 7976-7989.	13.7	71
77	Voltammetry, electron microscopy, and x-ray electron probe microanalysis at the electrode-aqueous electrolyte interface of solid microcrystalline cis- and trans-Cr(CO) <sub>2</sub> (dpe) <sub>2</sub> and trans-[Cr(CO) <sub>2</sub> (dpe) <sub>2</sub> ] <sup>+</sup> complexes (dpe = Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) mechanically attached to carbon electrodes. <i>Journal of the American Chemical Society</i> , 1993, 115, 9556-9562.	13.7	70
78	Control of Localized Nanorod Formation and Patterns of Semiconducting CuTCNQ Phase I Crystals by Scanning Electrochemical Microscopy. <i>Journal of the American Chemical Society</i> , 2005, 127, 13846-13853.	13.7	70
79	Synthesis of Ag and Au nanostructures in an ionic liquid: thermodynamic and kinetic effects underlying nanoparticle, cluster and nanowire formation. <i>Journal of Materials Chemistry</i> , 2007, 17, 2241.	6.7	69
80	Aluminium Speciation in 1-Butyl-3-methylpyrrolidinium Bis(trifluoromethylsulfonyl)amide/AlCl <sub>3</sub> Mixtures. <i>Chemistry - A European Journal</i> , 2009, 15, 3435-3447.	3.3	69
81	Determination of copper as a dithiocarbamate complex by reverse-phase liquid chromatography with electrochemical detection. <i>Analytical Chemistry</i> , 1981, 53, 1209-1213.	6.5	68
82	Mercury(II) Immobilized on Carbon Nanotubes: Synthesis, Characterization, and Redox Properties. <i>Langmuir</i> , 2000, 16, 6004-6012.	3.5	68
83	Fundamental and second harmonic alternating current cyclic voltammetric theory and experimental results for simple electrode reactions involving solution-soluble redox couples. <i>Analytical Chemistry</i> , 1976, 48, 872-883.	6.5	67
84	Large-Amplitude Fourier Transformed High-Harmonic Alternating Current Cyclic Voltammetry: A Kinetic Discrimination of Interfering Faradaic Processes at Glassy Carbon and at Boron-Doped Diamond Electrodes. <i>Analytical Chemistry</i> , 2004, 76, 3619-3629.	6.5	67
85	High speed synchronous data generation and sampler system: application to on-line fast Fourier transform faradaic admittance measurements. <i>Analytical Chemistry</i> , 1977, 49, 1797-1805.	6.5	66
86	Chemical and electrochemical studies of tricarbonyl derivatives of manganese and rhenium. <i>Inorganic Chemistry</i> , 1978, 17, 2842-2847.	4.0	66
87	Microelectrode studies in the absence of deliberately added supporting electrolyte: solvent dependence for a neutral and singly charged species. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 315, 143-160.	0.1	66
88	Voltammetric Determination of the Reversible Redox Potential for the Oxidation of the Highly Surface Active Polypyridyl Ruthenium Photovoltaic Sensitizer cis-[Ru(phen) <sub>2</sub> (bpy) <sub>2</sub> ] <sup>2+</sup> . <i>Journal of Electrochemical Society</i> , 1999, 146, 648-656.	2.9	66
89	Ionic-Liquid-Mediated Active Site Control of MoS <sub>2</sub> for the Electrocatalytic Hydrogen Evolution Reaction. <i>Chemistry - A European Journal</i> , 2012, 18, 8230-8239.	3.3	66
90	Understanding Differences Between High- And Low-Price Hospitals: Implications For Efforts To Rein In Costs. <i>Health Affairs</i> , 2014, 33, 324-331.	5.2	66



#	ARTICLE	IF	CITATIONS
91	Electrochemical and photochemical routes to semiconducting transition metal-tetracyanoquinodimethane coordination polymers. <i>Coordination Chemistry Reviews</i> , 2014, 268, 101-142.	18.8	66
92	An integrated instrumental and theoretical approach to quantitative electrode kinetic studies based on large amplitude Fourier transformed a.c. voltammetry: A mini review. <i>Electrochemistry Communications</i> , 2015, 57, 78-83.	4.7	66
93	Atomic nickel cluster decorated defect-rich copper for enhanced C2 product selectivity in electrocatalytic CO2 reduction. <i>Applied Catalysis B: Environmental</i> , 2021, 291, 120030.	20.2	66
94	Automated determination of nickel and copper by liquid chromatography with electrochemical and spectrophotometric detection. <i>Analytical Chemistry</i> , 1983, 55, 718-723.	6.5	65
95	Quantifying the electrochemical active site density of precious metal-free catalysts in situ in fuel cells. <i>Nature Catalysis</i> , 2022, 5, 163-170.	34.4	65
96	Theory and experimental characterization of linear gold microelectrodes with submicrometer thickness. <i>The Journal of Physical Chemistry</i> , 1986, 90, 2911-2917.	2.9	64
97	Experimental and Theoretical Investigations of the Effect of Deprotonation on Electronic Spectra and Reversible Potentials of Photovoltaic Sensitizers: A Deprotonation of cis-L2RuX2(L =) Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 50 502 T Electrodes. <i>Journal of the American Chemical Society</i> , 2000, 122, 130-142.	13.7	64
98	Photophysical and Novel Charge-Transfer Properties of Adducts between [RuII(bpy)3]2+ and [S2Mo18O62]4-. <i>Inorganic Chemistry</i> , 2003, 42, 7897-7905.	4.0	64
99	Study of the Underlying Electrochemistry of Polycrystalline Gold Electrodes in Aqueous Solution and Electrocatalysis by Large Amplitude Fourier Transformed Alternating Current Voltammetry. <i>Langmuir</i> , 2008, 24, 2856-2868.	3.5	64
100	Characterization and electrochemical behavior of Group VI dicarbonylbis(diphenylphosphino)methane complexes. <i>Inorganic Chemistry</i> , 1975, 14, 274-278.	4.0	63
101	Redox properties of thiolate compounds of oxomolybdenum(V) and their tungsten and selenium analogs. <i>Journal of the American Chemical Society</i> , 1981, 103, 1959-1964.	13.7	63
102	Electrochemical, thermodynamic, and mechanistic data derived from voltammetric studies on insoluble metallocenes, mercury halide and sulfide compounds, mixed silver halide crystals, and other metal complexes following their mechanical transfer to a graphite electrode. <i>Langmuir</i> , 1991, 7, 3197-3204.	3.5	63
103	Theory of square-wave stripping voltammetry and chronoamperometry of immobilized reactants. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 319, 1-18.	0.1	63
104	Achievement of Near-Reversible Behavior for the [Fe(CN)6]3-/4-Redox Couple Using Cyclic Voltammetry at Glassy Carbon, Gold, and Platinum Macrodisk Electrodes in the Absence of Added Supporting Electrolyte. <i>Analytical Chemistry</i> , 2000, 72, 3486-3491.	6.5	63
105	Determination of selenium, copper, lead and cadmium in biological materials by differential pulse stripping voltammetry. <i>Analytica Chimica Acta</i> , 1983, 148, 59-69.	5.4	62
106	Amperometric detection of picomole samples in a microdisk electrochemical flow-jet cell with dilute supporting electrolyte. <i>Analytical Chemistry</i> , 1986, 58, 2859-2863.	6.5	62
107	Evidence for Nucleation-Growth, Redistribution, and Dissolution Mechanisms during the Course of Redox Cycling Experiments on the C60/NBu4C60 Solid-State Redox System: A Voltammetric, SEM, and in Situ AFM Studies. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5637-5644.	2.6	62
108	Discrimination and Evaluation of the Effects of Uncompensated Resistance and Slow Electrode Kinetics from the Higher Harmonic Components of a Fourier Transformed Large-Amplitude Alternating Current Voltammogram. <i>Analytical Chemistry</i> , 2007, 79, 2276-2288.	6.5	62

#	ARTICLE	IF	CITATIONS
109	Retuning the Catalytic Bias and Overpotential of a [NiFe]-Hydrogenase via a Single Amino Acid Exchange at the Electron Entry/Exit Site. <i>Journal of the American Chemical Society</i> , 2017, 139, 10677-10686.	13.7	62
110	Determination of fluoride by atomic absorption spectrometry. <i>Analytical Chemistry</i> , 1968, 40, 560-563.	6.5	61
111	An electrochemical study of the substitution and decomposition reactions of (arene)tricarbonylchromium radical cations. <i>Journal of the American Chemical Society</i> , 1988, 110, 2109-2116.	13.7	61
112	Observation of Ferromagnetic Exchange, Spin Crossover, Reductively Induced Oxidation, and Field-Induced Slow Magnetic Relaxation in Monomeric Cobalt Nitroxides. <i>Inorganic Chemistry</i> , 2013, 52, 7557-7572.	4.0	61
113	Stannate derived bimetallic nanoparticles for electrocatalytic CO <sub>2</sub> reduction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7851-7858.	10.3	61
114	Fluorescent and Electrochemical Sensing of Polyphosphate Nucleotides by Ferrocene Functionalised with Two Zn <sup>II</sup> (TACN)(pyrene) Complexes. <i>Chemistry - A European Journal</i> , 2010, 16, 9154-9163.	3.3	60
115	Direct Detection of Electron Transfer Reactions Underpinning the Tin-Catalyzed Electrochemical Reduction of CO <sub>2</sub> using Fourier-Transformed ac Voltammetry. <i>ACS Catalysis</i> , 2017, 7, 4846-4853.	11.2	60
116	Paramagnetic organometallic molecules. 4. Electrochemical investigation of the iron group carbonyls and their phosphine-substituted derivatives. <i>Inorganic Chemistry</i> , 1977, 16, 2199-2206.	4.0	59
117	Microcomputer-based instrumentation for multi-frequency Fourier transform alternating current (admittance and impedance) voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 1997, 437, 1-15.	3.8	59
118	The transient nature of the diffusion controlled component of the electrochemistry of cytochrome c at $\mu$ -bare <sup>TM</sup> gold electrodes: an explanation based on a self-blocking mechanism. <i>Journal of Electroanalytical Chemistry</i> , 1997, 436, 17-25.	3.8	59
119	A critical assessment of electrochemistry in a distillable room temperature ionic liquid, DIMCARB. <i>Green Chemistry</i> , 2006, 8, 161-171.	9.0	59
120	Physical and Electrochemical Properties of Thioether-Functionalized Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11222-11231.	2.6	59
121	Macrobicyclic (hexaamine)platinum(IV) complexes: synthesis, characterization, and electrochemistry. <i>Journal of the American Chemical Society</i> , 1983, 105, 4652-4661.	13.7	58
122	Critical evaluation of some wet digestion methods for the stripping voltammetric determination of selenium in biological materials. <i>Analytical Chemistry</i> , 1984, 56, 2397-2401.	6.5	58
123	A Role for Electrospray Mass Spectrometry in Electrochemical Studies. <i>Analytical Chemistry</i> , 1995, 67, 1691-1695.	6.5	58
124	Voltammetric, EQCM, Spectroscopic, and Microscopic Studies on the Electrocrystallization of Semiconducting, Phase I, CuTCNQ on Carbon, Gold, and Platinum Electrodes by a Nucleation-Growth Process. <i>Journal of the Electrochemical Society</i> , 2005, 152, C577.	2.9	58
125	Experimental and Theoretical Investigations of the Sulfite-Based Polyoxometalate Cluster Redox Series: $\hat{1}^{\pm}$ - and $\hat{1}^2$ -[Mo <sub>18</sub> O <sub>54</sub> (SO <sub>3</sub> ) <sub>2</sub> ] <sub>4</sub> <sup>4+</sup> /5 <sup>+</sup> /6 <sup>+</sup> . <i>Chemistry - A European Journal</i> , 2006, 12, 8472-8483.	3.3	58
126	Extraction of Copper(II) Ions from Aqueous Solutions with a Methimazole-Based Ionic Liquid. <i>Analytical Chemistry</i> , 2010, 82, 7691-7698.	6.5	58



#	ARTICLE	IF	CITATIONS
127	Highly Selective and Sensitive DNA Assay Based on Electrocatalytic Oxidation of Ferrocene Bearing Zinc(II)-Cyclen Complexes with Diethylamine. <i>Journal of the American Chemical Society</i> , 2010, 132, 10053-10063.	13.7	57
128	On-line fast Fourier transform faradaic admittance measurements: real-time deconvolution of heterogeneous charge transfer kinetic effects for thermodynamic and analytical measurements. <i>Analytical Chemistry</i> , 1977, 49, 1805-1812.	6.5	56
129	Structural, Spectroscopic, and Electrochemical Studies of Binuclear Manganese(II) Complexes of Bis(pentadentate) Ligands Derived from Bis(1,4,7-triazacyclononane) Macrocycles. <i>Inorganic Chemistry</i> , 2000, 39, 881-892.	4.0	56
130	Facile electrochemical co-deposition of metal (Cu, Pd, Pt, Rh) nanoparticles on reduced graphene oxide for electrocatalytic reduction of nitrate/nitrite. <i>Electrochimica Acta</i> , 2018, 269, 733-741.	5.2	56
131	Modification and Implications of Changes in Electrochemical Responses Encountered When Undertaking Deoxygenation in Ionic Liquids. <i>Analytical Chemistry</i> , 2010, 82, 3856-3861.	6.5	55
132	A force field for molecular mechanics modeling of cobalt(II) amine complexes and a new model of electron transfer for cobalt(III)-cobalt(II) redox couples. <i>Inorganic Chemistry</i> , 1985, 24, 1920-1928.	4.0	54
133	A green heteropoly blue: isolation of a stable, odd oxidation level in a Dawson molybdate anion, [S2Mo18O62]5-. <i>Inorganic Chemistry</i> , 1993, 32, 2416-2420.	4.0	54
134	Redox and electroinsertion processes associated with the voltammetry of microcrystalline forms of Dawson molybdate anion salts mechanically attached to graphite electrodes and immersed in aqueous electrolyte media. <i>Journal of Electroanalytical Chemistry</i> , 1995, 396, 407-418.	3.8	54
135	Linear-Scan Anodic Stripping Voltammetry with Thin-Film Electrodes: A Theory of the Stripping Stage and Experimental Tests. <i>Analytical Chemistry</i> , 1997, 69, 2673-2681.	6.5	54
136	Electrochemical Studies on the Modular Podand 1,3,5-Tris(3-((ferrocenylmethyl)amino)pyridiniumyl)-2,4,6-triethylbenzene Hexafluorophosphate in Conventional Solvents and Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2003, 107, 5777-5786.	2.6	54
137	Prospects for a widely applicable reference potential scale in ionic liquids based on ideal reversible reduction of the cobaltocenium cation. <i>Electrochemistry Communications</i> , 2008, 10, 250-254.	4.7	54
138	Coupled Electron- and Proton-Transfer Processes in the Reduction of $\text{[P2W18O62]6-}$ and $\text{[H2W12O40]6-}$ As Revealed by Simulation of Cyclic Voltammograms. <i>Analytical Chemistry</i> , 1999, 71, 3650-3656.	6.5	53
139	Voltammetric Reduction of $\text{[P2W18O62]4-}$ and $\text{[SiW12O40]4-}$ : Isomeric Dependence of Reversible Potentials of Polyoxometalate Anions Using Data Obtained by Novel Dissolution and Conventional Solution-Phase Processes. <i>Inorganic Chemistry</i> , 2004, 43, 8263-8271.	4.0	53
140	Sensitization of photo-reduction of the polyoxometalate anions $\text{[S2M18O62]4-}$ (M = Mo, W) in the visible spectral region by the $\text{[Ru(bpy)3]2+}$ cation. <i>Dalton Transactions</i> , 2006, , 4218.	3.3	53
141	Structural, Electrochemical, and Spectroscopic Characterization of a Redox Pair of Sulfite-Based Polyoxotungstates: $\text{[W18O54(SO3)2]4-}$ and $\text{[W18O54(SO3)2]5-}$ . <i>Inorganic Chemistry</i> , 2007, 46, 3502-3510.	4.0	53
142	Enhanced photocurrent production from thin films of Ru(II) metallopolymer/Dawson polyoxotungstate adducts under visible irradiation. <i>Chemical Communications</i> , 2012, 48, 3593.	4.1	53
143	Voltammetric Determination of the Reversible Potentials for $\text{[Ru4O4(OH)2(H2O)4](3-SiW10O36)3-}$ over the pH Range of 2-12: Electrolyte Dependence and Implications for Water Oxidation Catalysis. <i>Inorganic Chemistry</i> , 2013, 52, 11986-11996.	4.0	53
144	Direct Electrodeposition of Graphene-Gold Nanocomposite Films for Ultrasensitive Voltammetric Determination of Mercury(II). <i>Electroanalysis</i> , 2014, 26, 121-128.	2.9	53

#	ARTICLE	IF	CITATIONS
145	Measurement of ultrafast electrode kinetics via steady-state voltammograms at microdisc electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 248, 467-473.	0.1	52
146	Electrochemistry of symmetrical and asymmetrical dinuclear ruthenium, osmium, and mixed-metal 2,2'-bipyridine complexes bridged by 2,2'-bibenzimidazolate. <i>Inorganic Chemistry</i> , 1991, 30, 475-480.	4.0	52
147	Multielectron Reduction of $\text{[S}_2\text{Mo}_2\text{O}_{10}]^{4-}$ in Aprotic and Protic Media: A Voltammetric Studies. <i>Inorganic Chemistry</i> , 1997, 36, 2826-2833.	4.0	52
148	Photophysics of Ion Clusters Formed between $[\text{Ru}(\text{bpy})_3]^{2+}$ and the Polyoxotungstate Anion $[\text{S}_2\text{W}_{18}\text{O}_{62}]^{4-}$ . <i>Journal of Physical Chemistry A</i> , 2004, 108, 7399-7405.	2.5	52
149	Voltammetric Ion-Selective Electrodes for the Selective Determination of Cations and Anions. <i>Analytical Chemistry</i> , 2010, 82, 1624-1633.	6.5	52
150	Fourier Transformed Large Amplitude Alternating Current Voltammetry: Principles and Applications. <i>Review of Polarography</i> , 2015, 61, 21-32.	0.1	52
151	Synthesis and properties of macrobicyclic amine complexes of rhodium(III) and iridium(III). <i>Journal of the American Chemical Society</i> , 1983, 105, 5503-5505.	13.7	51
152	Solar light induced photocatalytic oxidation of benzyl alcohol using heteropolyoxometalate catalysts of the type $[\text{S}_2\text{M}_{18}\text{O}_{62}]^{4-}$ . <i>Green Chemistry</i> , 2003, 5, 364-366.	9.0	51
153	Detailed voltammetric and EPR study of protonation reactions accompanying the one-electron reduction of Keggin-type polyoxometalates, $[\text{XVM}_{11}\text{O}_{40}]^{4-}$ (X = P, As; M = Mo, W) in acetonitrile. <i>Dalton Transactions</i> , 2010, 39, 7364.	3.3	51
154	Investigation of isomerization and oxidation-reduction reactions of halotricarbonylbis(diphenylphosphino)methanemanganese(I) complexes using chemical and electrochemical techniques. <i>Inorganic Chemistry</i> , 1977, 16, 155-159.	4.0	50
155	Liquid chromatography-electrochemical detection of inorganic arsenic using a wall jet cell with conventional and micro-sized platinum disk electrodes. <i>Analytical Chemistry</i> , 1990, 62, 2692-2697.	6.5	50
156	Comparison of the square-wave stripping voltammetry of lead and mercury following their electrochemical or abrasive deposition onto a paraffin impregnated graphite electrode. <i>Analytica Chimica Acta</i> , 1992, 258, 299-305.	5.4	50
157	Curve fitting to resolve overlapping voltammetric peaks: model and examples. <i>Analytica Chimica Acta</i> , 1995, 304, 1-15.	5.4	50
158	Ion selectivity obtained under voltammetric conditions when a TCNQ chemically modified electrode is presented with aqueous solutions containing tetraalkylammonium cations. <i>Analyst</i> , 2003, 128, 1386.	3.5	50
159	Dissolved Argon Changes the Rate of Diffusion in Room Temperature Ionic Liquids: Effect of the Presence and Absence of Argon and Nitrogen on the Voltammetry of Ferrocene. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7750-7754.	3.1	50
160	The formation of gold nanoparticles using hydroquinone as a reducing agent through a localized pH change upon addition of NaOH to a solution of $\text{HAuCl}_4$ . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 370, 35-41.	4.7	50
161	Simplifying the Evaluation of Graphene Modified Electrode Performance Using Rotating Disk Electrode Voltammetry. <i>Langmuir</i> , 2012, 28, 5275-5285.	3.5	50
162	Characterization of the ESR spectrum of the superoxide anion in the liquid phase. <i>Journal of the American Chemical Society</i> , 1989, 111, 8270-8271.	13.7	49

#	ARTICLE	IF	CITATIONS
163	Characterization of Thick-Layer Graphite Disposable Voltammetric Electrodes. <i>Analytical Chemistry</i> , 1995, 67, 2586-2591.	6.5	49
164	Structural, EPR, and Electrochemical Studies of Binuclear Copper(II) Complexes of Bis(pentadentate) Ligands Derived from Bis(1,4,7-triazacyclonane) Macrocycles. <i>Inorganic Chemistry</i> , 1998, 37, 3705-3713.	4.0	49
165	Investigation of the Pronounced Medium Effects Observed in the Voltammetry of the Highly Charged Lacunary Anions $[\text{I}^{\pm}\text{-SiW}_{11}\text{O}_{39}]^{8-}$ and $[\text{I}^{\pm}\text{-PW}_{11}\text{O}_{39}]^{7-}$ . <i>Inorganic Chemistry</i> , 2006, 45, 8563-8574.	4.0	49
166	Modified Thermodynamics in Ionic Liquids for Controlled Electrocrystallization of Nanocubes, Nanowires, and Crystalline Thin Films of Silver $\alpha$ -Tetracyanoquinodimethane. <i>Journal of the American Chemical Society</i> , 2009, 131, 16195-16205.	13.7	49
167	Photochemical oxidation of water and reduction of polyoxometalate anions at interfaces of water with ionic liquids or diethylether. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11552-11557.	7.1	49
168	Experimental and theoretical correlations for the use of fundamental harmonic alternating current polarography. <i>Analytical Chemistry</i> , 1972, 44, 315-335.	6.5	48
169	Electrochemical investigations of the group VI halopentacarbonylmetalate (0) complexes. <i>Inorganic Chemistry</i> , 1974, 13, 602-608.	4.0	48
170	Electrocatalytic reduction of hydrogen peroxide at a stationary pyrolytic graphite electrode surface in the presence of cytochrome c peroxidase: a description based on a microelectrode array model for adsorbed enzyme molecules. <i>Analyst</i> , The, 1993, 118, 973-978.	3.5	48
171	Electrochemical and Spectroscopic Investigation of the Reduction of Dimethylglyoxime at Mercury Electrodes in the Presence of Cobalt and Nickel. <i>Analytical Chemistry</i> , 1998, 70, 1312-1323.	6.5	48
172	An Analogy of an Ion-Selective Electrode Sensor Based on the Voltammetry of Microcrystals of Tetracyanoquinodimethane or Tetrathiafulvalene Adhered to an Electrode Surface. <i>Analytical Chemistry</i> , 2003, 75, 586-592.	6.5	48
173	Separation of Electron-Transfer and Coupled Chemical Reaction Components of Biocatalytic Processes Using Fourier Transform ac Voltammetry. <i>Analytical Chemistry</i> , 2005, 77, 3502-3510.	6.5	48
174	Electrochemical investigation of Mn <sub>4</sub> O <sub>4</sub> -cubane water-oxidizing clusters. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6441.	2.8	48
175	Parameterization of Water Electrooxidation Catalyzed by Metal Oxides Using Fourier Transformed Alternating Current Voltammetry. <i>Journal of the American Chemical Society</i> , 2016, 138, 16095-16104.	13.7	48
176	Direct determination of fluoride in sea water with a fluoride selective ion electrode by a method of standard additions. <i>Analytical Chemistry</i> , 1976, 48, 1236-1239.	6.5	47
177	Correction for background current in differential pulse, alternating current, and related polarographic techniques in the determination of low concentrations with computerized instrumentation. <i>Analytical Chemistry</i> , 1979, 51, 337-341.	6.5	47
178	Organolanthanoids. 9. Electrochemical reduction of tris(cyclopentadienyl)samarium(III), -ytterbium(III), and -europium(III) compounds in tetrahydrofuran. <i>Organometallics</i> , 1986, 5, 2312-2316.	2.3	47
179	Higher Harmonic Large-Amplitude Fourier Transformed Alternating Current Voltammetry: Analytical Attributes Derived from Studies of the Oxidation of Ferrocenemethanol and Uric Acid at a Glassy Carbon Electrode. <i>Analytical Chemistry</i> , 2008, 80, 4614-4626.	6.5	47
180	Photophysical, dynamic and redox behavior of tris(2,6-diisopropylphenyl)phosphine. <i>New Journal of Chemistry</i> , 2008, 32, 214-231.	2.8	47

#	ARTICLE	IF	CITATIONS
181	Direct measurement of $\text{Er}^{1/2}$ with reversible and EC [electrochemical] electrode processes by second harmonic alternating current polarography and voltammetry. <i>Analytical Chemistry</i> , 1974, 46, 1946-1951.	6.5	46
182	Paramagnetic organometallic molecules. 2. Electrochemical investigation of the tricobalt carbon cluster. <i>Inorganic Chemistry</i> , 1977, 16, 410-415.	4.0	46
183	Detection of new features associated with the oxidation of microcrystalline tetrathiafulvalene attached to gold electrodes by the simultaneous application of electrochemical and quartz crystal microbalance techniques. <i>Electroanalysis</i> , 1996, 8, 732-741.	2.9	46
184	Electron Self-Exchange in the Solid-State: Cocrystals of Hydroquinone and Bipyridyl Triazole. <i>Journal of the American Chemical Society</i> , 2001, 123, 2877-2884.	13.7	46
185	Facile electrochemical co-deposition of a graphene-cobalt nanocomposite for highly efficient water oxidation in alkaline media: direct detection of underlying electron transfer reactions under catalytic turnover conditions. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19035-19045.	2.8	46
186	Preparation of microelectrodes: comparison of polishing procedures by statistical analysis of voltammetric data. <i>Analyst</i> , The, 1996, 121, 357.	3.5	45
187	Electrochemical and Spectroscopic Studies on the Oxidation of the <i>cis</i> -( $\text{Et}_2\text{-dcbpy}$ ) $_2\text{RuX}_2$ Series of Photovoltaic Sensitizer Precursor Complexes ( $\text{Et}_2\text{-dcbpy}$ = 2,2'-Bipyridine-4,4'-diethoxydicarboxylic) <i>J Electroanal Chem</i> , 2014, 774, 1-10.	4.0	45
188	Synthesis, characterization and morphology of reduced graphene oxide-metal TCNQ nanocomposites. <i>Journal of Materials Chemistry C</i> , 2014, 2, 870-878.	5.5	45
189	Stabilization of Low-Valent Iron(II) in a High-Valent Vanadium(V) Oxide Cluster. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14749-14752.	13.8	45
190	On-line FFT faradaic admittance measurements application to A.C. cyclic voltammetry. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1977, 85, 231-247.	0.1	44
191	Paramagnetic organometallic molecules. 17. Redox chemistry of homo- and heteronuclear carbon-, germanium- or phosphorus-capped trimetal clusters. <i>Organometallics</i> , 1984, 3, 413-426.	2.3	44
192	Determination of aluminium, copper, iron and manganese in biological and other samples as 8-quinolinol complexes by high-performance liquid chromatography with electrochemical and spectrophotometric detection. <i>Analytica Chimica Acta</i> , 1985, 178, 197-208.	5.4	44
193	Separation and simultaneous determination of aluminum, iron, and manganese in natural water samples by using high-performance liquid chromatography with spectrophotometric and electrochemical detection. <i>Analytical Chemistry</i> , 1991, 63, 28-33.	6.5	44
194	Cerium acetylacetonates: new aspects, including the lamellar clathrate $[\text{Ce}(\text{acac})_4] \cdot 10\text{H}_2\text{O}$ . <i>Inorganica Chimica Acta</i> , 2003, 352, 229-237.	2.4	44
195	Macroelectrode voltammetry in toluene using a phosphonium-phosphate ionic liquid as the supporting electrolyte. <i>Electrochemistry Communications</i> , 2006, 8, 892-898.	4.7	44
196	Electrocarboxylation of acetophenone in ionic liquids: the influence of proton availability on product distribution. <i>Green Chemistry</i> , 2014, 16, 2242-2251.	9.0	44
197	Mass-Transport and Heterogeneous Electron-Transfer Kinetics Associated with the Ferrocene/Ferrocenium Process in Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16516-16525.	3.1	44
198	Preparation and spectral, magnetic, and electrochemical characterization of a flexible phenoxo-bridged binuclear copper(II) complex. <i>Inorganic Chemistry</i> , 1985, 24, 2484-2490.	4.0	43

#	ARTICLE	IF	CITATIONS
199	An ESRâ€Electrochemical Cell Which Can Be Used in High and Low Dielectric Solvents Over Wide Ranges of Temperature and Time Domain. Journal of the Electrochemical Society, 1995, 142, 862-867.	2.9	43
200	Morphology Changes and Mechanistic Aspects of the Electrochemically-Induced Reversible Solidâ€Solid Transformation of Microcrystalline TCNQ into Co[TCNQ] <sub>2</sub> -Based Materials (TCNQ =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.7	43
201	Electrochemical evidence that pyranopterin redox chemistry controls the catalysis of YedY, a mononuclear Mo enzyme. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14506-14511.	7.1	43
202	Comparison of differential-pulse and variable-amplitude pseudoderivative normal-pulse polarography with microprocessor-based instrumentation. Analytical Chemistry, 1981, 53, 504-508.	6.5	42
203	Potentiostatic voltammetry at the static mercury drop and other spherical electrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1983, 158, 193-215.	0.1	42
204	Synthesis and spectroscopic characterization of Group 15/Group 16 ligand derivatives of manganese(I) and rhenium(I) pentacarbonyl halides: influence of the Group 16 donor atom on thermodynamic and kinetic aspects of the oxidation of metal carbonyl complexes. Organometallics, 1988, 7, 1767-1773.	2.3	42
205	Interpretation of the electrochemistry of cytochrome c at macro and micro sized carbon electrodes using a microscopic model based on a partially blocke. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 314, 191-206.	0.1	42
206	Catalytic adsorptive stripping voltammetric determination of cobalt as an $\hat{\pm}$ -benzil dioxime complex in the presence of an extremely large excess of zinc. Electroanalysis, 1991, 3, 157-162.	2.9	42
207	A Comparison of Simulated and Experimental Voltammograms Obtained for the [Fe(CN) <sub>6</sub> ] <sup>3-/4-</sup> Couple in the Absence of Added Supporting Electrolyte at a Rotating Disk Electrode. Journal of Physical Chemistry A, 2001, 105, 9085-9093.	2.5	42
208	Novel Kinetic and Background Current Selectivity in the Even Harmonic Components of Fourier Transformed Square-Wave Voltammograms of Surface-Confined Azurin. Journal of Physical Chemistry B, 2005, 109, 8935-8947.	2.6	42
209	Systematic Approach to the Quantitative Voltammetric Analysis of the FeIII/FeII Component of the [l <sub>2</sub> -Fe(OH <sub>2</sub> )P <sub>2</sub> W <sub>17</sub> O <sub>61</sub> ] <sup>7-/8-</sup> Reduction Process in Buffered and Unbuffered Aqueous Media. Journal of Physical Chemistry B, 2005, 109, 20641-20651.	2.6	42
210	Applications of Convolution Voltammetry in Electroanalytical Chemistry. Analytical Chemistry, 2014, 86, 2073-2081.	6.5	42
211	A Cationic Diode Based on Asymmetric Nafion Film Deposits. ACS Applied Materials & Interfaces, 2017, 9, 11272-11278.	8.0	42
212	Controllable Synthesis of Fewâ€Layer Bismuth Subcarbonate by Electrochemical Exfoliation for Enhanced CO <sub>2</sub> Reduction Performance. Angewandte Chemie, 2018, 130, 13467-13471.	2.0	42
213	Fast sweep differential pulse voltammetry at a dropping mercury electrode. Analytical Chemistry, 1976, 48, 248-252.	6.5	41
214	Investigation of isomerism rates and mechanism of some 17- and 18-electron substituted carbonyl complexes of chromium, molybdenum, and tungsten using double potential step chronoamperometry. Inorganic Chemistry, 1978, 17, 2153-2157.	4.0	41
215	Comparison of the electrochemical reduction of pentadentate binucleated nickel(II) and copper(II) compounds in dimethylformamide. Inorganic Chemistry, 1986, 25, 906-915.	4.0	41
216	Comparison of the [M(IV)(RR'dtc) <sub>3</sub> ]+M(III)(RR'dtc) <sub>3</sub> and [M(IV)(Et <sub>2</sub> dsc) <sub>3</sub> ]+/M(III)(Et <sub>2</sub> dsc) <sub>3</sub> (M = cobalt,) Tj ETQq0 0 0 rgBT /Overlock 1 the oxidation state (IV) complexes in solution and in the gas phase as studied by electrochemical and mass spectrometric techniques. Inorganic Chemistry, 1990, 29, 4665-4671.	4.0	41



#	ARTICLE	IF	CITATIONS
217	Electrospray mass spectrometric study of the nature and lability of cationic complexes generated by the reaction of solutions of neutral iron(III), cobalt(III), nickel(II) and copper(II) dithiocarbamates with nitrosonium tetrafluoroborate. <i>Inorganic Chemistry</i> , 1993, 32, 3952-3956.	4.0	41
218	Mechanistic Study of the Voltammetry of Nonconducting Microcrystalline cis- and trans-Cr(CO) <sub>2</sub> (dpe) <sub>2</sub> Complexes (dpe = Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) Mechanically attached to a Graphite Electrode and Immersed in Different Aqueous Electrolyte Media: Identification by Infrared Spectroscopy of cis-[Cr(CO) <sub>2</sub> (dpe) <sub>2</sub> ] <sup>+</sup> Stabilized at the Electrode-Solid-Solution Interface. <i>Organometallics</i> , 1994, 13, 5122-5131.	2.3	41
219	Systematic Electrochemical Synthesis of Reduced Forms of the $\lambda^5$ -[S <sub>2</sub> Mo <sub>18</sub> O <sub>62</sub> ] <sup>4-</sup> Anion <sup>1</sup> . <i>Inorganic Chemistry</i> , 1997, 36, 4227-4233.	4.0	41
220	The use of massograms and voltammograms for distinguishing five basic combinations of charge transfer and mass transfer at electrode surfaces. <i>Journal of Electroanalytical Chemistry</i> , 2002, 526, 1-9.	3.8	41
221	Application of Power Spectra Patterns in Fourier Transform Square Wave Voltammetry To Evaluate Electrode Kinetics of Surface-Confined Proteins. <i>Analytical Chemistry</i> , 2006, 78, 2948-2956.	6.5	41
222	Simultaneous polarographic determination of ferrous, ferric, and total iron in standard rocks. <i>Analytical Chemistry</i> , 1975, 47, 479-482.	6.5	40
223	Electrochemical studies of metal carbonyl compounds. <i>Coordination Chemistry Reviews</i> , 1997, 166, 161-180.	18.8	40
224	Voltammetric, Spectroscopic, and Microscopic Investigations of Electrocrystallized Forms of Semiconducting AgTCNQ (TCNQ = 7,7,8,8-Tetracyanoquinodimethane) Exhibiting Different Morphologies and Colors. <i>Chemistry of Materials</i> , 2007, 19, 5499-5509.	6.7	40
225	Characterization of Nonlinear Background Components in Voltammetry by Use of Large Amplitude Periodic Perturbations and Fourier Transform Analysis. <i>Analytical Chemistry</i> , 2009, 81, 8801-8808.	6.5	40
226	Simple approach to the problem of overlapping waves using a microprocessor controlled polarograph. <i>Analytical Chemistry</i> , 1976, 48, 1624-1628.	6.5	39
227	Cyclic differential pulse voltammetry: A versatile instrumental approach using a computerized system. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1978, 89, 231-246.	0.1	39
228	Paramagnetic organometallic molecules. 5. Tricobalt-carbon Lewis base derivatives. <i>Inorganic Chemistry</i> , 1979, 18, 1413-1417.	4.0	39
229	A study of electrode kinetics by global analysis of a single electrochemical experiment. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1985, 191, 75-90.	0.1	39
230	Instrumental configurations for the determination of sub-micromolar concentrations of electroactive species with carbon, gold and platinum microdisk electrodes in static and flow-through cells. <i>Analytica Chimica Acta</i> , 1986, 187, 67-77.	5.4	39
231	Container adsorption of tributyltin (TBT) compounds: implications for environmental analysis. <i>Environmental Science &amp; Technology</i> , 1989, 23, 615-617.	10.0	39
232	Voltammetry of Plastocyanin at a Graphite Electrode: Effects of Structure, Charge, and Electrolyte. <i>Inorganic Chemistry</i> , 1996, 35, 7156-7165.	4.0	39
233	Significance of redistribution reactions detected by in situ atomic force microscopy during early stages of fast scan rate redox cycling experiments at a solid 7,7,8,8-tetracyanoquinodimethane-glassy carbon electrode-aqueous (electrolyte) interface. <i>Journal of Solid State Electrochemistry</i> , 1999, 4, 24-33.	2.5	39
234	Impact of Adsorption on Scanning Electrochemical Microscopy Voltammetry and Implications for Nanogap Measurements. <i>Analytical Chemistry</i> , 2016, 88, 3272-3280.	6.5	39



#	ARTICLE	IF	CITATIONS
235	Modelling ac voltammetry with MECSim: facilitating simulationâ€“experiment comparisons. <i>Current Opinion in Electrochemistry</i> , 2017, 1, 140-147.	4.8	39
236	Comparative study of a wide variety of polarographic techniques with multifunctional instrumentation. <i>Analytical Chemistry</i> , 1972, 44, 721-731.	6.5	38
237	Influence of laboratory environment on the precision and accuracy of trace element analysis. <i>Analytical Chemistry</i> , 1985, 57, 1728-1733.	6.5	38
238	Effects of temperature and supporting electrolyte on the electrochemical oxidation of (benzene)tricarbonylchromium and other $\pi$ -hydrocarbon complexes. <i>Organometallics</i> , 1986, 5, 2553-2555.	2.3	38
239	Exploitation of the nitrite catalytic effect to enhance the sensitivity and selectivity of the adsorptive stripping voltammetric method for the determination of cobalt with dimethylglyoxime. <i>Electroanalysis</i> , 1992, 4, 975-979.	2.9	38
240	The development of new microelectrode gas sensors: an odyssey. Part 1. O <sub>2</sub> and CO <sub>2</sub> reduction at unshielded gold microdisc electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1995, 393, 61-68.	3.8	38
241	How valid is the electroneutrality approximation in the theory of steady-state voltammetry?. <i>Journal of Electroanalytical Chemistry</i> , 2001, 508, 28-40.	3.8	38
242	Theoretical studies of large amplitude alternating current voltammetry for a reversible surface-confined electron transfer process coupled to a pseudo first-order electrocatalytic process. <i>Journal of Electroanalytical Chemistry</i> , 2007, 600, 23-34.	3.8	38
243	Electronic and photophysical properties of adducts of [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> and Dawson-type sulfite polyoxomolybdates $[\text{Mo}_{18}\text{O}_{54}(\text{SO}_3)_2]^{4-}$ . <i>Dalton Transactions</i> , 2011, 40, 2038.	3.3	38
244	Ionic Liquid-Enhanced Photooxidation of Water Using the Polyoxometalate Anion $[\text{P}_2\text{W}_{18}\text{O}_{62}]^{6-}$ as the Sensitizer. <i>Inorganic Chemistry</i> , 2011, 50, 5899-5909.	4.0	38
245	Detailed Electrochemical Analysis of the Redox Chemistry of Tetrafluorotetracyanoquinodimethane TCNQF <sub>4</sub> , the Radical Anion [TCNQF <sub>4</sub> ] <sup>•-</sup> , and the Dianion [TCNQF <sub>4</sub> ] <sup>2-</sup> in the Presence of Trifluoroacetic Acid. <i>Analytical Chemistry</i> , 2011, 83, 6731-6737.	6.5	38
246	The effect of sodium fluoride on the output of some electrolytes from the gastric mucosa of cats. <i>Journal of Physiology</i> , 1956, 133, 317-329.	2.9	37
247	Direct current, alternating current, rapid, and inverse polarographic methods for determination of tin(IV). <i>Analytical Chemistry</i> , 1970, 42, 1165-1168.	6.5	37
248	Calculation of thermodynamic data from voltammetry of solid lead and mercury dithiocarbamate complexes mechanically attached to a graphite electrode. <i>The Journal of Physical Chemistry</i> , 1991, 95, 7460-7465.	2.9	37
249	Global kinetic analysis of cyclic voltammograms at a spherical electrode. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 297, 1-17.	0.1	37
250	Electrochemical reduction of some 2,6-disubstituted pyridine-based esters and thioic S-esters in acetonitrile. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995, , 1365.	0.9	37
251	Evaluation of Levels of Defect Sites Present in Highly Ordered Pyrolytic Graphite Electrodes Using Capacitive and Faradaic Current Components Derived Simultaneously from Large-Amplitude Fourier Transformed ac Voltammetric Experiments. <i>Analytical Chemistry</i> , 2009, 81, 584-594.	6.5	37
252	Anion Dependent Redox Changes in Iron Bis-terdentate Nitroxide {NNO} Chelates. <i>Inorganic Chemistry</i> , 2011, 50, 3052-3064.	4.0	37

#	ARTICLE	IF	CITATIONS
253	Electrochemiluminescent Monomers for Solid Support Syntheses of Ru(II)-PNA Bioconjugates: Multimodal Biosensing Tools with Enhanced Duplex Stability. <i>Inorganic Chemistry</i> , 2012, 51, 3302-3315.	4.0	37
254	Electrochemical Reduction of CO <sub>2</sub> at Metal Electrodes in a Distillable Ionic Liquid. <i>ChemSusChem</i> , 2016, 9, 1271-1278.	6.8	37
255	Probing biological redox chemistry with large amplitude Fourier transformed ac voltammetry. <i>Chemical Communications</i> , 2017, 53, 9519-9533.	4.1	37
256	Oxidation of chromium, molybdenum, and tungsten dicarbonylbis(diphenylphosphino)methane complexes. <i>Inorganic Chemistry</i> , 1975, 14, 2526-2530.	4.0	36
257	Electrochemical and spectroscopic study of isomerization, cross-redox and self-exchange reactions in the [Cr(CO)3P3]+/0 redox system. <i>Inorganic Chemistry</i> , 1984, 23, 2343-2350.	4.0	36
258	Voltammetric measurements without ohmic and other forms of distortion in aromatic hydrocarbon solvents. <i>Electrochimica Acta</i> , 1987, 32, 863-870.	5.2	36
259	Electrochemistry of xanthine oxidase at glassy carbon and mercury electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 312, 131-140.	0.1	36
260	A unified approach to trace analysis and evaluation of electrode kinetics with fast Fourier transform electrochemical instrumentation. <i>Journal of Electroanalytical Chemistry</i> , 1998, 451, 129-138.	3.8	36
261	200 years of practical electroanalytical chemistry: past, present and future directions illustrated by reference to the on-line, on-stream and off-line determination of trace metals in zinc plant electrolyte by voltammetric and potentiometric techniques. <i>Analytica Chimica Acta</i> , 1999, 400, 333-379.	5.4	36
262	Mechanistic Analysis of the Electrocatalytic Properties of Dissolved $\hat{1}\pm$ and $\hat{1}^2$ Isomers of [SiW12O40]4- and Solid [Ru(bipy)3]2[ $\hat{1}\pm$ -SiW12O40] on the Reduction of Nitrite in Acidic Aqueous Media. <i>Inorganic Chemistry</i> , 2006, 45, 3732-3740.	4.0	36
263	Recent progress in cytochrome P450 enzyme electrochemistry. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2006, 2, 581-589.	3.3	36
264	Detailed Analysis of the Electron-Transfer Properties of Azurin Adsorbed on Graphite Electrodes Using dc and Large-Amplitude Fourier Transformed ac Voltammetry. <i>Analytical Chemistry</i> , 2007, 79, 6515-6526.	6.5	36
265	Synthesis, Structure, Spectroscopic Properties, and Electrochemical Oxidation of Ruthenium(II) Complexes Incorporating Monocarboxylate Bipyridine Ligands. <i>Inorganic Chemistry</i> , 2007, 46, 8638-8651.	4.0	36
266	Ephrin-B3 regulates glutamate receptor signaling at hippocampal synapses. <i>Molecular and Cellular Neurosciences</i> , 2010, 45, 378-388.	2.2	36
267	Promoting the Formation of Active Sites with Ionic Liquids: A Case Study of MoS <sub>2</sub> as Hydrogenâ€Evolutionâ€Reaction Electrocatalyst. <i>ChemCatChem</i> , 2011, 3, 1739-1742.	3.7	36
268	Synthesis, Characterization, and Electrochemical Studies of PPh <sub>3</sub> â€“(dipp) <sub>2</sub> (dipp = 2,6-Diisopropylphenyl): Steric and Electronic Effects on the Chemical and Electrochemical Oxidation of a Homologous Series of Triarylphosphines and the Reactivities of the Corresponding Phosphoniumyl Radical Cations. <i>Journal of the American Chemical Society</i> , 2013, 135, 11205-11215.	13.7	36
269	Study of substituent effects, isomerization and cross redox reactions associated with electrochemical oxidation of Mo(CO)3P3 systems. <i>Organometallics</i> , 1984, 3, 541-548.	2.3	35
270	Voltammetric, coulometric, mercury-199 NMR, and other studies characterizing new and unusual mercury complexes produced by electrochemical oxidation of mercury(II) diethyldithiocarbamate. Crystal and molecular structure of octakis(N,N-diethyldithiocarbamate)pentamercury(II) perchlorate. <i>Journal of the American Chemical Society</i> , 1987, 109, 1969-1980.	13.7	35

#	ARTICLE	IF	CITATIONS
271	Cyclic voltammetry at gold, platinum and carbon microelectrodes in ice without added supporting electrolyte: Evidence for liquid microphases at temperatures well below the freezing point of water. <i>Journal of Electroanalytical Chemistry</i> , 1992, 335, 281-295.	3.8	35
272	Electrospray mass spectrometric studies of some cationic and anionic Group 6 and Group 7 metal carbonyl complexes. <i>Journal of Organometallic Chemistry</i> , 1993, 447, 59-65.	1.8	35
273	Synthesis, redox chemistry and solid state structure of di- and trinuclear ferrocenyl substituted N-alkylpyrazolyl pyridine complexes. <i>Journal of Organometallic Chemistry</i> , 1996, 514, 137-147.	1.8	35
274	Analysis of Simulated Reversible Cyclic Voltammetric Responses for a Charged Redox Species in the Absence of Added Electrolyte. <i>Journal of Physical Chemistry B</i> , 1998, 102, 9966-9974.	2.6	35
275	Voltammetric studies of the interaction of the lithium cation with reduced forms of the Dawson [S <sub>2</sub> Mo <sub>18</sub> O <sub>62</sub> ] <sup>4-</sup> polyoxometalate anion. <i>Journal of Electroanalytical Chemistry</i> , 2000, 494, 96-104.	3.8	35
276	Lindqvist Polyoxoniobate Ion-Assisted Electrodeposition of Cobalt and Nickel Water Oxidation Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 16632-16644.	8.0	35
277	Electroless deposition of iridium oxide nanoparticles promoted by condensation of [Ir(OH) <sub>6</sub> ] <sup>2+</sup> on an anodized Au surface: application to electrocatalysis of the oxygen evolution reaction. <i>RSC Advances</i> , 2015, 5, 3196-3199.	3.6	35
278	Recent advances and future perspectives for automated parameterisation, Bayesian inference and machine learning in voltammetry. <i>Chemical Communications</i> , 2021, 57, 1855-1870.	4.1	35
279	Chemistry and electrochemistry of the vanadium-carbonyl system. <i>Inorganic Chemistry</i> , 1976, 15, 2036-2040.	4.0	34
280	The inequivalence of apparent polarographic and potentiometric stability constants for cadmium(II) bromide and iodide systems. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1976, 68, 203-216.	0.1	34
281	Kinetic and thermodynamic study of reactions of some substituted manganese(I) and manganese(II) tricarbonyl complexes using spectrophotometric and electrochemical techniques. <i>Inorganic Chemistry</i> , 1978, 17, 1013-1018.	4.0	34
282	Phosphorus-31, cadmium-113 and mercury-199 N.M.R. studies on dithiolate complexes of cadmium and mercury and their phosphine adducts. <i>Australian Journal of Chemistry</i> , 1981, 34, 1393.	0.9	34
283	Preparation of metal dithiocarbamate complexes for chromatographic separation and multi-element determinations. <i>Analytica Chimica Acta</i> , 1984, 164, 223-232.	5.4	34
284	Evidence for fast and discriminatory electron transfer of proteins at modified gold electrodes. <i>FEBS Journal</i> , 1990, 191, 737-742.	0.2	34
285	Cyclic Voltammetry of Palladium(II) Complexes with Tridentate Arsine Ligands. Separation of the Two Single-Electron Transfer Steps of the Pd(II) $\rightarrow$ Pd(0) Interconversion Based on Thermodynamic and Kinetic Discrimination. <i>Inorganic Chemistry</i> , 1996, 35, 7684-7690.	4.0	34
286	Simultaneous electrochemical and quartz crystal microbalance studies of non-conducting microcrystalline particles of trans-Cr(CO) <sub>2</sub> (dpe) <sub>2</sub> and trans-[Cr(CO) <sub>2</sub> (dpe) <sub>2</sub> ] <sup>+</sup> (dpe = Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) attached to gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1996, 404, 227-235.	3.8	34
287	Recognition of Thymine and Related Nucleosides by a ZnII-Cyclen Complex Bearing a Ferrocenyl Pendant. <i>Inorganic Chemistry</i> , 2007, 46, 1665-1674.	4.0	34
288	Electrodeposition of silver from the $\text{[Ag}^+\text{]Tf}_2\text{B}^-$ ionic liquid, DIMCARB in the absence and presence of chemically induced nanoparticle formation. <i>Journal of Electroanalytical Chemistry</i> , 2008, 619-620, 1-10.	3.8	34

#	ARTICLE	IF	CITATIONS
289	Large Amplitude Fourier Transformed AC Voltammetric Investigation of the Active State Electrochemistry of a Copper/Aqueous Base Interface and Implications for Electrocatalysis. <i>Langmuir</i> , 2011, 27, 10302-10311.	3.5	34
290	(Pro <sup>2+</sup> H <sup>+</sup> ) <sub>2</sub> (TCNQ <sup>•-</sup> ) <sub>2</sub> •...TCNQ: An Amino Acid Derived Semiconductor. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1589-1592.	13.8	34
291	Structurally characterised vanadium(v)-substituted Keggin-type heteropolysulfates [SVM11O40]3 <sup>•-</sup> (M) Tj ETQq1 1 0.784314 rgBT / C Transactions, 2014, 43, 5462.	3.3	34
292	Inappropriate Use of the Quasi-Reversible Electrode Kinetic Model in Simulation-Experiment Comparisons of Voltammetric Processes That Approach the Reversible Limit. <i>Analytical Chemistry</i> , 2014, 86, 8408-8417.	6.5	34
293	Principles and Applications of A-C and D-C Rapid Polarography with Short Controlled Drop Times. <i>Journal of the Electrochemical Society</i> , 1971, 118, 1588.	2.9	33
294	Electrochemical reduction of an isomeric pair when the products interconvert. <i>The Journal of Physical Chemistry</i> , 1983, 87, 2492-2502.	2.9	33
295	Redox reactions of chromium tetracarbonyl and tricarbonyl complexes: thermodynamic, kinetic, and catalytic aspects of isomerization in the fac/mer-tricarbonyltris(trimethyl phosphite)chromium(1+/0) system. <i>Inorganic Chemistry</i> , 1986, 25, 749-756.	4.0	33
296	Electron transfer in organometallic clusters. <i>Journal of Organometallic Chemistry</i> , 1987, 320, 363-384.	1.8	33
297	Electrochemical Reduction of Pyridine- and Benzene-Substituted n-Alkyl Esters and Thioic S-Esters in Acetonitrile. <i>Journal of Organic Chemistry</i> , 1997, 62, 1779-1787.	3.2	33
298	Distinction of the Two Phases of CuTCNQ by Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2005, 77, 5447-5452.	6.5	33
299	Facile Synthesis and Detailed Characterization of a New Ferrocenyl Uracil Peptide Nucleic Acid Monomer. <i>Journal of Organic Chemistry</i> , 2006, 71, 7565-7573.	3.2	33
300	Ruthenium(II) Complexes Incorporating 2-(2-Pyridyl)pyrimidine-4-carboxylic Acid. <i>Inorganic Chemistry</i> , 2009, 48, 68-81.	4.0	33
301	Detailed Electrochemical Studies of the Tetra Ruthenium Polyoxometalate Water Oxidation Catalyst in Acidic Media: Identification of an Extended Oxidation Series using Fourier Transformed Alternating Current Voltammetry. <i>Inorganic Chemistry</i> , 2012, 51, 11521-11532.	4.0	33
302	Phosphomolybdate-doped-poly(3,4-ethylenedioxythiophene) coated gold nanoparticles: Synthesis, characterization and electrocatalytic reduction of bromate. <i>Analytica Chimica Acta</i> , 2013, 803, 41-46.	5.4	33
303	Electrode Reaction and Mass-Transport Mechanisms Associated with the Iodide/Triiodide Couple in the Ionic Liquid 1-Ethyl-3-methylimidazolium Bis(trifluoromethanesulfonyl)imide. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22439-22449.	3.1	33
304	Polarographic behavior of bis(π-cyclopentadienyl)-N,N-dialkyl dithiocarbamate vanadium(IV) tetraphenylborates in acetone. Example of an ECEC mechanism. <i>Inorganic Chemistry</i> , 1973, 12, 887-893.	4.0	32
305	The analytical performance of direct current, normal pulse and differential pulse polarography with static mercury drop electrodes. <i>Analytica Chimica Acta</i> , 1980, 121, 1-11.	5.4	32
306	Oxidation of substituted iron carbonyl complexes in acetonitrile, acetone, and dichloromethane at mercury and platinum electrodes. <i>Inorganic Chemistry</i> , 1981, 20, 755-761.	4.0	32

#	ARTICLE	IF	CITATIONS
307	Unusual isomeric lability in both oxidation states of the redox systems fac-/mer[M(CO) <sub>3</sub> (.eta. <sup>3</sup> -P <sub>2</sub> P')]+/M(CO) <sub>3</sub> (.eta. <sup>3</sup> -P <sub>2</sub> P') (M = Cr,Mo,W; P <sub>2</sub> P' =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td (bis(2,3-mer+ isomers are of comparable stability. <i>Organometallics</i> , 1991, 10, 3320-3326.	2.3	32
308	Square-wave voltammetry at spherical and disk microelectrodes as a function of electrode radius and frequency. <i>Electroanalysis</i> , 1993, 5, 29-40.	2.9	32
309	The development of new microelectrode gas sensors: an odyssey. Part 2. O <sub>2</sub> and CO <sub>2</sub> reduction at membrane-covered gold microdisc electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1995, 393, 69-74.	3.8	32
310	Voltammetric and EPR Spectroscopic Studies Associated with the Reduction of Pyridine- and Benzene-Substituted n-Alkyl Esters and Thioic S-Esters in Aprotic Solvents. <i>The Journal of Physical Chemistry</i> , 1996, 100, 10288-10297.	2.9	32
311	The application of electrochemical scanning probe microscopy to the interpretation of metalloprotein voltammetry. <i>Coordination Chemistry Reviews</i> , 2000, 200-202, 411-442.	18.8	32
312	An Experimental Evaluation of Cyclic Voltammetry of Multicharged Species at Macrodisk Electrodes in the Absence of Added Supporting Electrolyte. <i>Analytical Chemistry</i> , 2001, 73, 352-359.	6.5	32
313	Comparison of Voltammetric Data Obtained for the trans-[Mn(CN)(CO) <sub>2</sub> {P(OPh) <sub>3</sub> }(Ph <sub>2</sub> PCH <sub>2</sub> PPh <sub>2</sub> )] <sub>0</sub> +Process in BMIMÂ-PF <sub>6</sub> Ionic Liquid under Microchemical and Conventional Conditions. <i>Analytical Chemistry</i> , 2003, 75, 6938-6948.	6.5	32
314	Revelation of Multiple Underlying RuO <sub>2</sub> Redox Processes Associated with Pseudocapacitance and Electrocatalysis. <i>Langmuir</i> , 2010, 26, 16155-16162.	3.5	32
315	Systematic differences in electrochemical reduction of the structurally characterized anti-cancer platinum(IV) complexes [Pt{((p- <i>HC</i> 6F <sub>4</sub> )NCH <sub>2</sub> ) <sub>2</sub> -(pyridine) <sub>2</sub> Cl <sub>2</sub> ], [Pt{((p- <i>HC</i> 6F <sub>4</sub> )NCH <sub>2</sub> ) <sub>2</sub> }(pyridine) <sub>2</sub> (OH) <sub>2</sub> ], and [Pt{((p- <i>HC</i> 6F <sub>4</sub> )NCH <sub>2</sub> ) <sub>2</sub> }(pyridine) <sub>2</sub> (OH)Cl]. <i>Journal of Inorganic Biochemistry</i> , 2012, 115, 226-239.	3.5	32
316	A Comparison of Fully Automated Methods of Data Analysis and Computer Assisted Heuristic Methods in an Electrode Kinetic Study of the Pathologically Variable [Fe(CN) <sub>6</sub> ] <sup>4-</sup> Process by AC Voltammetry. <i>Analytical Chemistry</i> , 2013, 85, 11780-11787.	6.5	32
317	Electrochemistry of Iodide, Iodine, and Iodine Monochloride in Chloride Containing Nonhaloaluminate Ionic Liquids. <i>Analytical Chemistry</i> , 2016, 88, 1915-1921.	6.5	32
318	Automatically Identifying Electrode Reaction Mechanisms Using Deep Neural Networks. <i>Analytical Chemistry</i> , 2019, 91, 12220-12227.	6.5	32
319	Use of the fluoride ion-selective electrode for the detection of weak fluoride complexes. <i>Journal of Inorganic and Nuclear Chemistry</i> , 1971, 33, 429-434.	0.5	31
320	Simultaneous Determination of Cadmium, Cobalt, Copper, Lead, Mercury and Nickel in Zinc Sulfate Plant Electrolyte Using Liquid Chromatography with Electrochemical and Spectrophotometric Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1983, 6, 1799-1822.	1.0	31
321	A simple pretreatment of urine for the direct differential-pulse anodic stripping voltammetric determination of lead. <i>Analytica Chimica Acta</i> , 1984, 162, 389-392.	5.4	31
322	Investigation of the mass transport process in the voltammetry of cytochrome c at 4,4'-bipyridyl disulfide modified stationary and rotated macro- and microdisk gold electrodes. <i>The Journal of Physical Chemistry</i> , 1992, 96, 8100-8105.	2.9	31
323	Quantitative and Qualitative Photoelectrochemical Studies on the 18-Molybdodisulfate Anion [S <sub>2</sub> Mo <sub>18</sub> O <sub>62</sub> ] <sup>4-</sup> . <i>Inorganic Chemistry</i> , 1995, 34, 3378-3384.	4.0	31
324	ESR-electrochemical cells: a comparative study. <i>Journal of Electroanalytical Chemistry</i> , 1996, 404, 303-308.	3.8	31



#	ARTICLE	IF	CITATIONS
325	The role of dissolution in the voltammetry of microdroplets and microparticles adhered to electrode surfaces in contact with aqueous electrolytes or ionic liquids. <i>Journal of Electroanalytical Chemistry</i> , 2005, 574, 299-309.	3.8	31
326	Characterisation of two distinctly different processes associated with the electrocrystallization of microcrystals of phase I CuTCNQ (TCNQ = 7,7,8,8-tetracyanoquinodimethane). <i>Journal of Materials Chemistry</i> , 2006, 16, 4397.	6.7	31
327	Applications of voltammetric ion selective electrodes to complex matrices. <i>Analytical Methods</i> , 2013, 5, 3840.	2.7	31
328	Phosphomolybdate@poly(diallyldimethylammonium chloride)-reduced graphene oxide modified electrode for highly efficient electrocatalytic reduction of bromate. <i>Journal of Electroanalytical Chemistry</i> , 2014, 727, 69-77.	3.8	31
329	Two-Dimensional Electrocatalysts for Efficient Reduction of Carbon Dioxide. <i>ChemSusChem</i> , 2020, 13, 59-77.	6.8	31
330	Determination of trace elements in zinc plant electrolyte by differential pulse polarography and anodic stripping voltammetry. <i>Analytical Chemistry</i> , 1976, 48, 1665-1669.	6.5	30
331	Differential pulse polarography at the static mercury drop electrode. <i>Analytical Chemistry</i> , 1981, 53, 1016-1020.	6.5	30
332	Electrochemical investigations of compounds having isomeric forms with similar standard redox potentials: oxidation of bis(tri-n-butylphosphine)molybdenum tetracarbonyl and related complexes. <i>Journal of the American Chemical Society</i> , 1981, 103, 6827-6832.	13.7	30
333	Digital alternating current polarography with microprocessor-based instrumentation. <i>Analytical Chemistry</i> , 1981, 53, 1394-1398.	6.5	30
334	Microprocessor-controlled instrument for the simultaneous generation of square wave, alternating current, direct current, and pulse polarograms. <i>Analytical Chemistry</i> , 1983, 55, 1934-1939.	6.5	30
335	Electrochemical studies of homocysteine and homocystine at mercury electrodes. <i>Analytica Chimica Acta</i> , 1984, 156, 33-42.	5.4	30
336	Multinuclear magnetic resonance (phosphorus-31, selenium-77, mercury-199) and electrochemical studies of nonlabile mercury(II) complexes with group 15/group 16 donor ligands. <i>Inorganic Chemistry</i> , 1988, 27, 1697-1702.	4.0	30
337	Organometallic photoelectrochemistry: oxidation of fac-tricarbonylchloro[bis(diphenylphosphino)methane]manganese(I). <i>The Journal of Physical Chemistry</i> , 1993, 97, 1661-1664.	2.9	30
338	Identification of Processes that Occur after Reduction and Dissolution of C60Adhered to Gold, Glassy Carbon, and Platinum Electrodes Placed in Acetonitrile (Electrolyte) Solution. <i>Journal of Physical Chemistry B</i> , 2000, 104, 2320-2329.	2.6	30
339	Electrochemical Synthesis and Structural and Physical Characterization of One- and Two-Electron-Reduced Forms of [SMo12O40]2-. <i>Inorganic Chemistry</i> , 2001, 40, 65-72.	4.0	30
340	Electrochemical and Structural Studies on Microcrystals of the (C60) <sub>x</sub> (CTV) Inclusion Complexes (x =) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.6	30
341	Nonadditivity of Faradaic Currents and Modification of Double Layer Capacitance in the Voltammetry of Mixtures of Ferrocene and Ferrocenium Salts in Ionic Liquids. <i>Analytical Chemistry</i> , 2010, 82, 1680-1691.	6.5	30
342	Voltammetric and Spectroscopic Studies of $\hat{1}^{\pm}$ - and $\hat{1}^2$ -[PW <sub>12</sub> O <sub>40</sub> ] <sup>3-</sup> Polyoxometalates in Neutral and Acidic Media: Structural Characterization as Their [( <i>n</i> -Bu) <sub>4</sub> N] <sub>3</sub> [PW <sub>12</sub> O <sub>40</sub> ] Salts. <i>Inorganic Chemistry</i> , 2017, 56, 3990-4001.	4.0	30



#	ARTICLE	IF	CITATIONS
343	Application of transient electrochemical techniques to inlaid ultra-microelectrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1987, 218, 187-196.	0.1	29
344	ESR-electrochemical cells and their performance in studies of redox processes. <i>Electroanalysis</i> , 1989, 1, 1-11.	2.9	29
345	Electrochemical Oxidation and Reduction of Cationic Carbonyl Hydride Complexes of Group VI Transition Metals. <i>Inorganic Chemistry</i> , 1995, 34, 1705-1710.	4.0	29
346	Systematic Studies of 17-Electron Rhenium(II) Carbonyl Phosphine Complexes. <i>Organometallics</i> , 1998, 17, 2977-2985.	2.3	29
347	Voltammetric, EPR and UV-VIS-NIR spectroscopic studies associated with the characterisation of electrochemically generated tris(dithiocarbamato)cobalt(IV) complexes in dichloromethane. Electronic supplementary information (ESI) available: figures containing additional voltammetric, UV-VIS-NIR and EPR spectroscopic data. See <a href="http://www.rsc.org/suppdata/dt/b1/b104636p/">http://www.rsc.org/suppdata/dt/b1/b104636p/</a> . <i>Dalton Transactions RSC</i> , 2001, , 3189-3195.	2.3	29
348	Analysis of ramped square-wave voltammetry in the frequency domain. <i>Journal of Electroanalytical Chemistry</i> , 2001, 512, 1-15.	3.8	29
349	Synthesis, Characterization, and Electrochemical Relationships of Dinuclear Complexes of Platinum(II) and Platinum(III) Containing Ortho-Metalated Tertiary Arsine Ligands. <i>Inorganic Chemistry</i> , 2004, 43, 7752-7763.	4.0	29
350	Electrocrystallization of Phase I, CuTCNQ (TCNQ = 7,7,8,8-Tetracyanoquinodimethane), on Indium Tin Oxide and Boron-Doped Diamond Electrodes. <i>Langmuir</i> , 2006, 22, 10499-10505.	3.5	29
351	Redox-Induced Solid-Solid Phase Transformation of TCNQ Microcrystals into Semiconducting Ni[TCNQ]2(H2O)2 Nanowire (Flowerlike) Architectures: A Combined Voltammetric, Spectroscopic, and Microscopic Study. <i>Inorganic Chemistry</i> , 2007, 46, 4128-4137.	4.0	29
352	Electrochemical Quartz Crystal Microbalance Study of Azurin Adsorption onto an Alkanethiol Self-Assembled Monolayer on Gold. <i>Langmuir</i> , 2008, 24, 323-327.	3.5	29
353	Photocurrent generation from thin films of ruthenium metallopolymer: polyoxometalate adducts using visible excitation. <i>Electrochemistry Communications</i> , 2011, 13, 899-902.	4.7	29
354	Diagnosis of the Redox Levels of TCNQ <sup>4-</sup> Compounds Using Vibrational Spectroscopy. <i>ChemPlusChem</i> , 2014, 79, 962-972.	2.8	29
355	Electrocatalytic CO <sub>2</sub> Reduction to Formate on Cu Based Surface Alloys with Enhanced Selectivity. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19453-19462.	6.7	29
356	A study of the fluoride complexes of cadmium by a.c. and d.c. polarography. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1969, 20, 223-230.	0.1	28
357	Some suggested calculation procedures and the variation in results obtained from different calculation methods for evaluation of concentration stability. <i>Coordination Chemistry Reviews</i> , 1971, 6, 377-405.	18.8	28
358	Transient electrochemical techniques in liquid chromatography with microprocessor-based instrumentation. <i>Analytical Chemistry</i> , 1982, 54, 1702-1705.	6.5	28
359	Electrochemical reduction and oxidation of cobalt(III) dithiocarbamates. <i>Inorganic Chemistry</i> , 1983, 22, 3440-3446.	4.0	28
360	Electrochemical, chemical and spectroscopic characterization of the trans-[tetracarbonylbis(triphenylphosphine)chromium]+/0 redox couple. <i>Organometallics</i> , 1984, 3, 4-9.	2.3	28

#	ARTICLE	IF	CITATIONS
361	Identification of an Extensive Series of Cationic Silver Heterometallic Dithiocarbamate Complexes and Observation of Catalytic Ligand-Exchange Reactions by Electrospray Mass Spectrometry. <i>Inorganic Chemistry</i> , 1994, 33, 2548-2554.	4.0	28
362	Unusually Fast Electron and Anion Transport Processes Observed in the Oxidation of $\mu$ -Electrochemically Opened Microcrystalline $[\{M(bipy)_2\}\{M^{\sim}(bipy)_2\}(\frac{1}{4}L)](PF_6)_2$ Complexes (M, $M^{\sim}$ = Ru, Os; $L = 1,2,4,5$ -tetrafluorobenzene) at a Solid Electrode-Aqueous Electrolyte Interface. <i>Journal of Physical Chemistry B</i> , 2000, 104, 1977-1983.	2.6	28
363	A Systematic approach to the simulation of the voltammetric reduction of $[\pm-SiW_{12}O_{40}]^{4-}$ in buffered aqueous electrolyte media and acetonitrile. <i>Journal of Electroanalytical Chemistry</i> , 2006, 591, 7-18.	3.8	28
364	Investigation of Mediated Oxidation of Ascorbic Acid by Ferrocenemethanol Using Large-Amplitude Fourier Transformed ac Voltammetry under Quasi-Reversible Electron-Transfer Conditions at an Indium Tin Oxide Electrode. <i>Analytical Chemistry</i> , 2008, 80, 6515-6525.	6.5	28
365	Identification of Surface Heterogeneity Effects in Cyclic Voltammograms Derived from Analysis of an Individually Addressable Gold Array Electrode. <i>Analytical Chemistry</i> , 2008, 80, 3873-3881.	6.5	28
366	Cyclic Voltammetry. , 2010, , 57-106.		28
367	Fourier transformed alternating current voltammetry in electromaterials research: Direct visualisation of important underlying electron transfer processes. <i>Current Opinion in Electrochemistry</i> , 2018, 10, 72-81.	4.8	28
368	Mechanistic Scrutiny Identifies a Kinetic Role for Cytochrome b5 Regulation of Human Cytochrome P450c17 (CYP17A1, P450 17A1). <i>PLoS ONE</i> , 2015, 10, e0141252.	2.5	28
369	Comparative electrochemical studies on a variety of bis( $\pi$ -cyclopentadienyl)vanadium(IV) chelates in acetone. <i>Inorganic Chemistry</i> , 1974, 13, 84-89.	4.0	27
370	Pseudo-derivative d.c. and pulse polarographic methods at short drop times. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1976, 68, 257-272.	0.1	27
371	Theoretical analysis of the cobalt(III)-cobalt(II) tris[(+)-1,2-propanediamine] electron-transfer reaction using molecular mechanics modeling of the configurational isomer distribution in both oxidation states. <i>Inorganic Chemistry</i> , 1987, 26, 2257-2265.	4.0	27
372	Relationship of two electroactive forms of horse heart cytochrome c at gold and glassy carbon electrodes in water and methanol. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1987, 218, 251-264.	0.1	27
373	Flow-through cell for continual on-line monitoring of cadmium, copper, antimony, and lead by anodic stripping voltammetry in highly dense zinc plant electrolyte. <i>Analytical Chemistry</i> , 1988, 60, 2445-2448.	6.5	27
374	A study of the electrochemistry of tryptophan, peptides containing tryptophan, and related compounds (indoles) at mercury electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989, 261, 127-146.	0.1	27
375	An explicit finite difference simulation for chronoamperometry at a disk microelectrode in a channel flow solution. <i>Journal of Electroanalytical Chemistry</i> , 1993, 356, 25-42.	3.8	27
376	Synthetic, Spectroscopic, and Electrochemical Studies of the Isomerically-Rich $[M(CO)_2(P_2P^{\sim})X] + O(M = Ru, Os; P_2P^{\sim} = 1,2$ -bis(diphenylphosphino)ethane) and a Pair of Diastereoisomers of $cis,mer-Re(CO)_2(P_2P^{\sim})Cl$ . <i>Inorganic Chemistry</i> , 1997, 36, 1181-1193.	4.0	27
377	EPR Studies Associated with the Electrochemical Reduction of C60 and Supramolecular Complexes of C60 in Toluene-Acetonitrile Solvent Mixtures. <i>Journal of Physical Chemistry A</i> , 1998, 102, 2641-2649.	2.5	27
378	A channel flow cell system specifically designed to test the efficiency of redox shuttles in dye sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2001, 70, 85-101.	6.2	27

#	ARTICLE	IF	CITATIONS
379	Electrodeposition of lead on glassy carbon and mercury film electrodes from a distillable room temperature ionic liquid, DIMCARB. <i>Journal of Solid State Electrochemistry</i> , 2007, 11, 1593-1603.	2.5	27
380	Synthesis and characterisation of bis(2,2'-bipyridine)(4-carboxy-4'-(pyrid-2-ylmethylamido)-2,2'-bipyridine)ruthenium(II) di(hexafluorophosphate): Comparison of spectroelectrochemical properties with related complexes. <i>Inorganica Chimica Acta</i> , 2008, 361, 601-612.	2.4	27
381	Electrode Kinetics Associated with Tetracyanoquinodimethane (TCNQ), TCNQ <sup>•-</sup> , and TCNQ <sup>2-</sup> Redox Chemistry in Acetonitrile As Determined by Analysis of Higher Harmonic Components Derived from Fourier Transformed Large Amplitude ac Voltammetry. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24153-24163.	3.1	27
382	Electrochemiluminescent Peptide Nucleic Acid-Like Monomers Containing Ru(II)-Dipyridoquinoxaline and Ru(II)-Dipyridophenazine Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 12172-12183.	4.0	27
383	Voltammetric reduction and re-oxidation of solid coordination polymers of dihydroxybenzoquinone. <i>Chemical Communications</i> , 2012, 48, 11422.	4.1	27
384	Theoretical Analysis of the Relative Significance of Thermodynamic and Kinetic Dispersion in the dc and ac Voltammetry of Surface-Confined Molecules. <i>Langmuir</i> , 2015, 31, 4996-5004.	3.5	27
385	Use of computerized instrumentation for pseudo-derivative direct current and normal pulse polarography with correction for charging current. <i>Analytica Chimica Acta</i> , 1978, 101, 309-318.	5.4	26
386	Development of a microprocessor-based electrochemical instrument interfaced to a microcomputer system for differential-pulse stripping voltammetry in different time domains. <i>Analytica Chimica Acta</i> , 1984, 165, 209-216.	5.4	26
387	Protonation Effects on the Structure and Homogeneous Charge Transport Dynamics of Solid State Osmium Bis(bipyridyl)tetrazine Chloride Films. <i>Journal of Physical Chemistry B</i> , 2000, 104, 6389-6396.	2.6	26
388	Electrosynthesis and solution structure of six-electron reduced forms of metatungstate, [H <sub>2</sub> W <sub>12</sub> O <sub>40</sub> ] <sup>6-</sup> . <i>Dalton Transactions RSC</i> , 2001, , 187-196.	2.3	26
389	Prospects for the Application of Scanning Electrochemical Microscopy in Ionic Liquids. <i>Australian Journal of Chemistry</i> , 2007, 60, 29.	0.9	26
390	Synthesis and Voltammetry of [bmim]4[±-S <sub>2</sub> W <sub>18</sub> O <sub>62</sub> ] and Related Compounds: A Rapid Precipitation and Dissolution of Reduced Surface Films. <i>Inorganic Chemistry</i> , 2007, 46, 2530-2540.	4.0	26
391	Mediator Enhanced Water Oxidation Using Rb <sub>4</sub> [Ru <sup>II</sup> (bpy) <sub>3</sub> ] <sub>5</sub> [{Ru <sup>III</sup> ] <sub>4</sub> O <sub>4</sub> (OH) <sub>2</sub> ] Film Modified Electrodes. <i>Inorganic Chemistry</i> , 2014, 53, 7561-7570.	4.0	26
392	Cobalt selenide nanoflake decorated reduced graphene oxide nanocomposite for efficient glucose electro-oxidation in alkaline medium. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19289-19296.	10.3	26
393	Use of Bayesian Inference for Parameter Recovery in DC and AC Voltammetry. <i>ChemElectroChem</i> , 2018, 5, 917-935.	3.4	26
394	Advanced Spatiotemporal Voltammetric Techniques for Kinetic Analysis and Active Site Determination in the Electrochemical Reduction of CO <sub>2</sub> . <i>Accounts of Chemical Research</i> , 2022, 55, 241-251.	15.6	26
395	Influence of oxygen and sulfur donor atoms on the electrochemistry of transition metal tris chelates. <i>Inorganic Chemistry</i> , 1975, 14, 1432-1435.	4.0	25
396	Polarographic studies of the geometric isomers of the bis(diethylenetriamine)cobalt(III) and -cobalt(II) cations in acetone. <i>Inorganic Chemistry</i> , 1978, 17, 2847-2853.	4.0	25

#	ARTICLE	IF	CITATIONS
397	Determination of metals in urine by direct injection of sample, high-performance liquid chromatography and electrochemical or spectrophotometric detection. <i>Analytica Chimica Acta</i> , 1986, 182, 47-59.	5.4	25
398	On-line monitoring of cobalt ion zinc plant electrolyte by differential pulse adsorptive stripping voltammetry. <i>Analytica Chimica Acta</i> , 1993, 281, 281-290.	5.4	25
399	Combined use of differential pulse adsorptive and anodic stripping techniques for the determination of antimony(III) and antimony(V) in zinc electrolyte. <i>Analytica Chimica Acta</i> , 1998, 372, 307-314.	5.4	25
400	EPR, Electronic Spectra, and Electron Transfer Properties of the 17 Electron Carbonylhydrottris(triphenylphosphine)rhodium(II) Cation. <i>Journal of the American Chemical Society</i> , 1998, 120, 2086-2089.	13.7	25
401	A comparison of sinusoidal, square wave, sawtooth, and staircase forms of transient ramped voltammetry when a reversible process is analysed in the frequency domain. <i>Journal of Electroanalytical Chemistry</i> , 2001, 513, 73-86.	3.8	25
402	Controllable Synthesis and Fabrication of Semiconducting Nanorod/Nanowire Bundles of Fe[TCNQ] <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> via Electrochemically Induced Solid-Solid Phase Transformation of TCNQ Microcrystals. <i>Journal of Physical Chemistry C</i> , 2008, 112, 6700-6709.	3.1	25
403	A unique proton coupled electron transfer pathway for electrochemical reduction of acetophenone in the ionic liquid [BMIM][BF <sub>4</sub> ] under a carbon dioxide atmosphere. <i>Green Chemistry</i> , 2011, 13, 3461.	9.0	25
404	Mo-Substituted Keggin Tungstosilicate Microtubes: Preparation and Characterization. <i>Inorganic Chemistry</i> , 2012, 51, 5146-5151.	4.0	25
405	Advantages of rapid direct current polarography in the presence of analytically undesirable phenomena associated with anodic mercury waves. <i>Analytical Chemistry</i> , 1973, 45, 1327-1331.	6.5	24
406	Fundamental and second harmonic alternating current cyclic voltammetric theory and experimental results for simple electrode reactions involving amalgam formation. <i>Analytical Chemistry</i> , 1978, 50, 216-223.	6.5	24
407	Influence of isomeric form, chelated ring size, and the metal on the oxidation of facial and meridional chromium, molybdenum, and tungsten tricarbonyl bis(bis(diphenylphosphino)methane) and bis(1,2-bis(diphenylphosphino)ethane) complexes. <i>Inorganic Chemistry</i> , 1986, 25, 2378-2384.	4.0	24
408	Generation of a cis-[MoVO(OH)] center: proton- and oxygen-17 superhyperfine parameters relevant to molybdoenzymes. <i>Journal of the American Chemical Society</i> , 1986, 108, 831-832.	13.7	24
409	The influence of ultra-violet irradiation on the determination of nickel and cobalt in natural waters by adsorption voltammetry. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1986, 214, 21-29.	0.1	24
410	Reaction pathways of geometrically constrained 17-electron cis-[M(CO) <sub>4</sub> (L-L)] <sup>+</sup> cations (M = Cr, Mo, W; L = 1,5-cyclooctadiene). <i>Journal of the American Chemical Society</i> , 1992, 114, 1000-1004.	4.0	24
411	Effects of replacing oxygen by sulfur at the endogenous bridging center on the redox properties of binuclear copper(II) complexes. <i>Inorganic Chemistry</i> , 1989, 28, 559-566.	4.0	24
412	Electrochemical investigations of poplar, spinach, cucumber, and parsley plastocyanins at conventional and micro-sized carbon electrodes. <i>Inorganic Chemistry</i> , 1992, 31, 5007-5014.	4.0	24
413	Synthesis and electrochemistry of [Ru(2,2'-bipyridine) <sub>3</sub> ] <sub>2</sub> [S <sub>2</sub> Mo <sub>18</sub> O <sub>62</sub> ] at electrode-solvent (electrolyte) interfaces. <i>Dalton Transactions RSC</i> , 2001, 1076-1082.	2.3	24
414	Fourier Transformed Large Amplitude Square-Wave Voltammetry as an Alternative to Impedance Spectroscopy: Evaluation of Resistance, Capacitance and Electrode Kinetic Effects via an Heuristic Approach. <i>Electroanalysis</i> , 2005, 17, 1450-1462.	2.9	24

#	ARTICLE	IF	CITATIONS
415	pH-Dependence of the aqueous electrochemistry of the two-electron reduced $\text{[Mo18O54(SO3)]}$ sulfite Dawson-like polyoxometalate anion derived from its triethanolammonium salt. Dalton Transactions, 2007, , 4599.	3.3	24
416	Methimazole-Based Ionic Liquids. Journal of Organic Chemistry, 2008, 73, 4676-4679.	3.2	24
417	Synthetic Precursors for $\text{TCNQF}_4^{2-}$ Compounds: Synthesis, Characterization, and Electrochemical Studies of $(\text{Pr}_4\text{N})_2\text{TCNQF}_4$ and $\text{Li}_2\text{TCNQF}_4$ . Journal of Organic Chemistry, 2012, 77, 10568-10574.	3.2	24
418	Concentration and electrode material dependence of the voltammetric response of iodide on platinum, glassy carbon and boron-doped diamond in the room temperature ionic liquid 1-ethyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide. Electrochimica Acta, 2013, 109, 554-561.	5.2	24
419	Mass Transport Studies and Hydrogen Evolution at a Platinum Electrode Using Bis(trifluoromethanesulfonyl)imide as the Proton Source in Ionic Liquids and Conventional Solvents. Journal of Physical Chemistry C, 2014, 118, 29663-29673.	3.1	24
420	New Insights into the Analysis of the Electrode Kinetics of Flavin Adenine Dinucleotide Redox Center of Glucose Oxidase Immobilized on Carbon Electrodes. Langmuir, 2014, 30, 3264-3273.	3.5	24
421	Comparison of fast electron transfer kinetics at platinum, gold, glassy carbon and diamond electrodes using Fourier-transformed AC voltammetry and scanning electrochemical microscopy. Physical Chemistry Chemical Physics, 2017, 19, 8726-8734.	2.8	24
422	Use of polarographic methods for the determination of tin in geological samples. Analytical Chemistry, 1970, 42, 1168-1172.	6.5	23
423	On-line FFT faradaic admittance measurements. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1977, 85, 217-229.	0.1	23
424	High flow-rate cells for continuous monitoring of low concentrations of electroactive species by polarography and stripping voltammetry at the static mercury drop electrode. Analytica Chimica Acta, 1981, 127, 121-133.	5.4	23
425	Comparison of carbon-13 and phosphorus-31 nuclear magnetic resonance data and E.degree. values for a series of chromium pentacarbonyl complexes. Inorganic Chemistry, 1983, 22, 989-993.	4.0	23
426	Electrochemical oxidation of [dibenzo-18-crown-6-K][Cr(CO)5F] and Cr(CO)6: characterization of $[\text{Cr(CO)}_6]^+$ and its substitution reactions with fluoride and trifluoroacetate. Journal of the American Chemical Society, 1986, 108, 3352-3358.	13.7	23
427	Evidence for adsorption of the cobaltocenium cation and precipitation of uncharged cobaltocene at the platinum microelectrode-acetonitrile interface in the absence of supporting electrolyte. Analytical Chemistry, 1993, 65, 2724-2730.	6.5	23
428	Effect of ion pairing on steady state voltammetric limiting currents at microelectrodes Part II. Experimental studies on charged ( $\text{Br}^-$ , $\text{Ag}^+$ ) and uncharged (copper diethyldithiocarbamate) species in toluene. Journal of Electroanalytical Chemistry, 1997, 430, 39-46.	3.8	23
429	Electrochemical studies of porphyrin-appended dendrimers. Physical Chemistry Chemical Physics, 2006, 8, 2058.	2.8	23
430	Effect of heterogeneity on the dc and ac voltammetry of the $[\text{Fe(CN)}_6]^{3-/4-}$ solution-phase process at a highly ordered pyrolytic graphite electrode. Journal of Electroanalytical Chemistry, 2008, 615, 1-11.	3.8	23
431	Comparison of Diffusivity Data Derived from Electrochemical and NMR Investigations of the $\text{SeCN}^-/(\text{SeCN})_2/(\text{SeCN})_3^-$ System in Ionic Liquids. Journal of Physical Chemistry B, 2011, 115, 6843-6852.	2.6	23
432	Recent trends in the use of polyoxometalate-based material for efficient water oxidation. Science China Chemistry, 2011, 54, 1877-1887.	8.2	23



#	ARTICLE	IF	CITATIONS
433	Cyclic Voltammetric Experiment - Simulation Comparisons of the Complex Mechanism Associated with Electrochemical Reduction of $Zr^{4+}$ in LiCl-KCl Eutectic Molten Salt. Journal of the Electrochemical Society, 2013, 160, H81-H86.	2.9	23
434	Electrochemical Proton Reduction and Equilibrium Acidity ( $pK_a$ ) in Aprotic Ionic Liquids: Protonated Amines and Sulfonamide Acids. Journal of Physical Chemistry C, 2015, 119, 21828-21839.	3.1	23
435	Analysis of HypD Disulfide Redox Chemistry via Optimization of Fourier Transformed ac Voltammetric Data. Analytical Chemistry, 2017, 89, 1565-1573.	6.5	23
436	Microcavity-Supported Lipid Bilayers; Evaluation of Drug-Lipid Membrane Interactions by Electrochemical Impedance and Fluorescence Correlation Spectroscopy. Langmuir, 2019, 35, 8095-8109.	3.5	23
437	Alternating current polarographic method of analysis in the presence of oxygen and other irreversibly reduced species. Analytical Chemistry, 1971, 43, 228-234.	6.5	22
438	Trace zinc determination in acid media by differential pulse anodic stripping voltammetry at a hanging drop mercury electrode. Analytical Chemistry, 1976, 48, 759-761.	6.5	22
439	Low-temperature electrochemical studies of unstable species. Pentacarbonylhalochromium(I) system. Inorganic Chemistry, 1976, 15, 446-448.	4.0	22
440	Investigations of mixed-ligand cobalt dithiocarbamate complexes by cobalt-59 nuclear magnetic resonance spectroscopy, mass spectrometry, and electrochemistry. Inorganic Chemistry, 1985, 24, 1298-1302.	4.0	22
441	Electrochemical reduction and oxidation in noncoordinating and coordinating solvents of two closely related binuclear nickel(II) complexes containing either sulfur or oxygen endogenous bridging centers. Inorganic Chemistry, 1988, 27, 712-721.	4.0	22
442	New insights into the constitution of solutions containing labile, polynuclear compounds: an electrospray mass spectrometric study of mercury- and cadmium-rich dithiocarbamate cations. Inorganica Chimica Acta, 1993, 212, 233-239.	2.4	22
443	Investigation of the influence of residual uncompensated resistance and incomplete charging current correction on the calculation of electrode kinetics when global and convolution analysis methods are used. Journal of Electroanalytical Chemistry, 1994, 366, 15-27.	3.8	22
444	Electrochemical, Spectroscopic, Structural, and Magnetic Characterization of the Reduced and Protonated Dawson Anions in $[Fe(\eta^5-C_5Me_5)_2]_5[HS_2Mo_18O_{62}] \cdot 3HCONMe_2 \cdot 2Et_2O$ and $[NBu_4]_5[HS_2Mo_18O_{62}] \cdot 2H_2O$ . Inorganic Chemistry, 2002, 41, 1072-1078.	4.0	22
445	Numerical simulation of Fourier transform alternating current linear sweep voltammetry of surface bound molecules. Journal of Electroanalytical Chemistry, 2002, 529, 3-11.	3.8	22
446	Identification of the Radical Anions of $C_{2}N_4S_2$ and $P_2N_4S_2$ Rings by In Situ EPR Spectroelectrochemistry and DFT Calculations. Inorganic Chemistry, 2007, 46, 5596-5607.	4.0	22
447	A study of localised galvanic replacement of copper and silver films with gold using scanning electrochemical microscopy. Electrochemistry Communications, 2010, 12, 611-615.	4.7	22
448	Electrochemical probing of the photoreduction of molybdenum and tungsten Dawson-type polyoxometalates in molecular and ionic liquid media using water as an electron donor. Dalton Transactions, 2012, 41, 9944.	3.3	22
449	Theoretical Analysis of the Two-Electron Transfer Reaction and Experimental Studies with Surface-Confined Cytochrome $c$ Peroxidase Using Large-Amplitude Fourier Transformed AC Voltammetry. Langmuir, 2012, 28, 9864-9877.	3.5	22
450	Redox and Acid-Base Chemistry of 7,7,8,8-Tetracyanoquinodimethane, 7,7,8,8-Tetracyanoquinodimethane Radical Anion, 7,7,8,8-Tetracyanoquinodimethane Dianion, and Dihydro-7,7,8,8-Tetracyanoquinodimethane in Acetonitrile. Analytical Chemistry, 2012, 84, 2343-2350.	6.5	22



#	ARTICLE	IF	CITATIONS
451	Advantages Available in the Application of the Semi-Integral Electroanalysis Technique for the Determination of Diffusion Coefficients in the Highly Viscous Ionic Liquid 1-Methyl-3-Octylimidazolium Hexafluorophosphate. <i>Analytical Chemistry</i> , 2013, 85, 2239-2245.	6.5	22
452	Synthesis and Characterization of Novel Wellsâ€Dawson-Type Mono Vanadium(V)-Substituted Tungsto-polyoxometalate Isomers: 1- and 4-[S<sub>2</sub>VW<sub>17</sub>O<sub>62</sub>]<sup>5â€</sup>. <i>Inorganic Chemistry</i> , 2014, 53, 4891-4898.	4.0	22
453	Cu<sub>2</sub><sup>I</sup>(TCNQF<sub>4</sub><sup>IIâ€</sup>)(MeCN)<sub>2</sub> (TCNQF<sub>4</sub> = 2,3,5,6-Tetrafluoro-7,7,8,8-tetracyanoquinodimethane): Voltammetry, Simulations, Bulk Electrolysis, Spectroscopy, Photoactivity, and X-ray Crystal Structure of the Cu<sub>2</sub><sup>I</sup>(TCNQF<sub>4</sub><sup>IIâ€</sup>)(EtCN)<sub>2</sub> Analogue. <i>Inorganic Chemistry</i> , 2014, 53, 3230-3242.	4.0	22
454	Voltammetric behavior of 1- and 4-[S<sub>2</sub>V<sup>V</sup>W<sub>17</sub>O<sub>62</sub>]<sup>5â€</sup> in acidified acetonitrile. <i>Dalton Transactions</i> , 2015, 44, 11660-11668.	3.3	22
455	Electrochemical Reduction of CO<sub>2</sub> with an Oxideâ€Derived Lead Nanoâ€Coralline Electrode in Dimcarb. <i>ChemElectroChem</i> , 2017, 4, 1402-1410.	3.4	22
456	Use of ion-selective electrodes in the evaluation of stability constants of sparingly soluble salts. Application to the lead(II)-fluoride system in aqueous solution. <i>Inorganic Chemistry</i> , 1970, 9, 1021-1023.	4.0	21
457	A.C. Cyclic voltammetry: A digital simulation study of the slow scan limit condition for a reversible electrode process. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1978, 90, 381-388.	0.1	21
458	Fast sweep differential pulse voltammetry at a dropping mercury electrode with computerized instrumentation. <i>Analytical Chemistry</i> , 1979, 51, 126-128.	6.5	21
459	Correlation of experimental data with different theoretical models for the static mercury drop electrode. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1981, 130, 113-122.	0.1	21
460	Developments in polarographic (voltammetric) analysis in the 1980's. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1981, 118, 381-394.	0.1	21
461	Reliable use of calibration curves in voltammetric analysis with a new technique of microcomputer-based data evaluation. <i>Analytical Chemistry</i> , 1985, 57, 174-179.	6.5	21
462	Kinetic studies of lead(II) uptake by the seagrass <i>Zostera muelleri</i> in water by radiotracing, atomic absorption spectrometry and electrochemical techniques. <i>Marine Chemistry</i> , 1985, 16, 1-9.	2.3	21
463	Direct determination of tetraethyllead and tetramethyllead in gasoline by high-performance liquid chromatography with electrochemical detection at mercury electrodes. <i>Analytical Chemistry</i> , 1986, 58, 756-758.	6.5	21
464	Copper determination in urine by flow injection analysis with electrochemical detection at platinum disk microelectrodes of various radii. <i>Analytical Chemistry</i> , 1990, 62, 27-31.	6.5	21
465	An unexpected stoichiometric effect in both solution and solid state in mercury-rich dithiocarbamate cation chemistry: crystal and molecular structure of polymeric tris(piperidinecarbodithioato)dimercury(II) perchlorate. <i>Inorganic Chemistry</i> , 1991, 30, 192-197.	4.0	21
466	Instrumental, theoretical, and experimental aspects of determining thermodynamic and kinetic parameters from steady-state and non-steady-state cyclic voltammetry at microelectrodes in high-resistance solvents: application to the fac/mer-[Cr(CO)3(.eta.3-Ph2PCH2CH2P(Ph)CH2CH2PPh2)]+/0 square reaction scheme in dichloromethane. <i>Analytical Chemistry</i> , 1992, 64, 1014-1021.	6.5	21
467	Voltammetric and Spectroscopic Studies Related to Platinum(II) and Platinum(IV) Dithiocarbamate Redox Chemistry: Electrochemical, ESR, and Electrospray Mass Spectrometric Identification of a Moderately Stable Platinum(III) Cation: [Pt(S2CNEt2)(.eta.3-P2P')]2+ + (P2P' =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 92 Td (Ph	4.0	21
468	Electron Transfer-Induced cisâ€trans isomerization of [Mn(CN)(CO)2{P(OPh)3}(Ph2PCH2PPh2)]: A Solution and Solid State Voltammetric Studies. <i>Journal of Physical Chemistry A</i> , 2003, 107, 1274-1283.	2.5	21

#	ARTICLE	IF	CITATIONS
469	Unexpected Complexity in the Electro-Oxidation of Iodide on Gold in the Ionic Liquid 1-Ethyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide. <i>Analytical Chemistry</i> , 2013, 85, 11319-11325.	6.5	21
470	Expanded ring N-heterocyclic carbene adducts of group 15 element trichlorides: synthesis and reduction studies. <i>Dalton Transactions</i> , 2014, 43, 14858-14864.	3.3	21
471	Diminished Electron Transfer Kinetics for $[\text{Ru}(\text{NH}_3)_6]^{3+/2+}$ , $[\pm\text{-SiW}_{12}\text{O}_{40}]^{4-/5-}$ , and $[\pm\text{-SiW}_{12}\text{O}_{40}]^{5-/6-}$ Processes at Boron-Doped Diamond Electrodes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 12464-12472.	3.1	21
472	Dual-Frequency Alternating Current Designer Waveform for Reliable Voltammetric Determination of Electrode Kinetics Approaching the Reversible Limit. <i>Analytical Chemistry</i> , 2016, 88, 2367-2374.	6.5	21
473	Some considerations of the electrolyte used to maintain constant ionic strength in studies on concentration stability constants in aqueous solutions. Application to the polarographic evaluation of thallium(I) complexes. <i>The Journal of Physical Chemistry</i> , 1970, 74, 331-338.	2.9	20
474	Use of ammonium fluoride in determination of zirconium and other elements by atomic absorption spectrometry in the nitrous oxide-acetylene flame. <i>Analytical Chemistry</i> , 1970, 42, 932-935.	6.5	20
475	Electrochemical and chemical oxidation of $\pi$ -bonded [bis(diphenylarsino)methane]chromium and -molybdenum dicarbonyl complexes. <i>Inorganic Chemistry</i> , 1979, 18, 1977-1985.	4.0	20
476	Investigation of reduction and exchange reactions of mercury(II) phosphine complexes at mercury electrodes in dichloromethane. <i>Inorganic Chemistry</i> , 1983, 22, 236-241.	4.0	20
477	Electrochemical-electron spin resonance investigation of reactions of 17-electron iron carbonyl radical cation complexes. <i>Inorganic Chemistry</i> , 1983, 22, 3007-3012.	4.0	20
478	Simultaneous in-situ electron spin resonance and voltammetric studies in high resistance solvents at low temperatures using a newly designed small volume electrolysis cell. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1986, 199, 297-309.	0.1	20
479	The electrochemical oxidation of cobalt tris(dithiocarbamates) and tris(diselenocarbamates) in acetonitrile; a combined spectroscopic and voltammetric study. <i>Journal of Electroanalytical Chemistry</i> , 1998, 447, 155-171.	3.8	20
480	AFM study of morphological changes associated with electrochemical solid-solid transformation of three-dimensional crystals of TCNQ to metal derivatives (metal = Cu, Co, Ni); Tj ETQq0 0 0 rgBT /Overlock 2.6 Tf 50 207 Td (TCNQ)	2.6	20
481	Synthesis, X-ray Structure of Ferrocene Bearing Bis(Zn-cyclen) Complexes and the Selective Electrochemical Sensing of TpT. <i>Chemistry - A European Journal</i> , 2009, 15, 10988-10996.	3.3	20
482	Voltammetry of $[\text{R}_4\text{N}][\text{M}(\text{SO}_3)_2]$ and $[\text{Ru}(\text{bpy})_3][\text{M}(\text{SO}_3)_2]$ (M = Mo, W) as microcrystals adhered to a glassy carbon electrode surface in contact with ionic liquid media. <i>Dalton Transactions</i> , 2009, , 6727.	3.3	20
483	A Comparison of the Higher Order Harmonic Components Derived from Large-Amplitude Fourier Transformed ac Voltammetry of Myoglobin and Heme in DDAB Films at a Pyrolytic Graphite Electrode. <i>Langmuir</i> , 2010, 26, 5243-5253.	3.5	20
484	Synthesis and Structural Characterization of a TCNQ Based Organic Semi-Conducting Material with a 2:5 Stoichiometry. <i>Journal of Organic Chemistry</i> , 2011, 76, 10078-10082.	3.2	20
485	Polystyrenesulfonate doped poly(Hydroxymethyl 3,4-Ethylenedioxythiophene) stabilized Au nanoparticle modified glassy carbon electrode as a reusable sensor for mercury(II) detection in chloride media. <i>Journal of Electroanalytical Chemistry</i> , 2013, 704, 96-101.	3.8	20
486	Cobalt(II) phosphonate coordination polymers: Synthesis, characterization and application as oxygen evolution electrocatalysts in aqueous media and water-saturated hydrophobic 1-butyl-3-methylimidazolium hexafluorophosphate ionic liquid. <i>Electrochimica Acta</i> , 2013, 101, 201-208.	5.2	20

#	ARTICLE	IF	CITATIONS
487	Identification of TCNQF4 redox levels using spectroscopic and electrochemical fingerprints (TCNQF4=2,3,5,6-tetrafluoro-7,7,8,8-tetracyanoquinodimethane). <i>Inorganica Chimica Acta</i> , 2013, 395, 252-254.	2.4	20
488	The facile assembly of bis-, tris- and poly(triazaphosphole) systems using <i>click</i> -chemistry. <i>Dalton Transactions</i> , 2013, 42, 7775.	3.3	20
489	Ferrocene-appended ligands for use in spin crossover-redox <i>hybrid</i> -complexes of iron( <i>ii</i> ) and cobalt( <i>ii</i> ). <i>Dalton Transactions</i> , 2014, 43, 15212-15220.	3.3	20
490	Large-Amplitude Fourier-Transformed AC Voltammetric Study of the Capacitive Electrochemical Behavior of the 1-Butyl-3-methylimidazolium Tetrafluoroborate "Polycrystalline Gold Electrode Interface. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12136-12147.	3.1	20
491	Identification of a new substrate effect that enhances the electrocatalytic activity of dendritic tin in CO <sub>2</sub> reduction. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 5936-5941.	2.8	20
492	Enhancement of zirconium atomic absorption by nitrogen-containing compounds and its use in the determination of ammonia. <i>Analytical Chemistry</i> , 1968, 40, 2087-2090.	6.5	19
493	Ac Polarography and its application to overcome the problem of Dc polarographic maxima in the study of complex ions. <i>Electrochimica Acta</i> , 1970, 15, 1471-1482.	5.2	19
494	Direct current, alternating current, pulse, and anodic stripping voltammetric methods with glassy carbon electrodes in hydrofluoric acid. <i>Analytical Chemistry</i> , 1974, 46, 1063-1068.	6.5	19
495	Differential pulse polarography and voltammetry with a microprocessor-controlled polarograph and a pressurized mercury electrode. <i>Analytica Chimica Acta</i> , 1977, 88, 227-236.	5.4	19
496	Methylmercury Generation in Seawater by Transmethylation Reactions of Organolead and Organotin Compounds With Inorganic Mercury as Monitored by Multinuclear Magnetic-Resonance and Electrochemical Techniques. <i>Australian Journal of Chemistry</i> , 1986, 39, 1167.	0.9	19
497	An evaluation of ultrathin ring and band microelectrodes as amperometric sensors in electrochemical flow cells. <i>Electroanalysis</i> , 1989, 1, 23-33.	2.9	19
498	A battery-powered, microprocessor-controlled, programmable function generator for field-based stripping voltammetry with conventional and micro-sized electrodes. <i>Electroanalysis</i> , 1990, 2, 195-202.	2.9	19
499	Spectroscopic and Voltammetric Study of the Deceptively Simple Solution Chemistry of the [Cr(CO) <sub>2</sub> (Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ] <sup>+/0</sup> System. <i>Organometallics</i> , 1994, 13, 3434-3441.	2.3	19
500	Resistance transitions detected by analysis of the voltammetry of tetrathiafulvalene microparticles adhered to electrode surfaces under conditions of dynamic resistance compensation. <i>Electrochemistry Communications</i> , 2001, 3, 746-752.	4.7	19
501	Voltammetric studies on microcrystalline C <sub>60</sub> adhered to an electrode surface by solvent casting and mechanical transfer methods. <i>Journal of Solid State Electrochemistry</i> , 2003, 7, 134-140.	2.5	19
502	Binding of Nitrate to a CuII~Cyclen Complex Bearing a Ferrocenyl Pendant: A Synthesis, Solid-State X-ray Structure, and Solution-Phase Electrochemical and Spectrophotometric Studies. <i>Inorganic Chemistry</i> , 2007, 46, 3876-3888.	4.0	19
503	New Family of Ferric Spin Clusters Incorporating Redox-Active <i>ortho</i> -Dioxolene Ligands. <i>Inorganic Chemistry</i> , 2009, 48, 7765-7781.	4.0	19
504	Synthesis, X-ray structure and electrochemical oxidation of palladium(ii) complexes of ferrocenyldiphenylphosphine. <i>Dalton Transactions</i> , 2010, 39, 9079.	3.3	19

#	ARTICLE	IF	CITATIONS
505	Effects of Coupled Homogeneous Chemical Reactions on the Response of Large-Amplitude AC Voltammetry: Extraction of Kinetic and Mechanistic Information by Fourier Transform Analysis of Higher Harmonic Data. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10122-10134.	2.5	19
506	Nitrile Functionalized Methimazole-Based Ionic Liquids. <i>Journal of Organic Chemistry</i> , 2010, 75, 8376-8382.	3.2	19
507	Ruthenium Metallopolymer: Dawson Polyoxomolybdate $\text{[Mo}_{18}\text{O}_{54}(\text{SO}_4)_4]^{4-}$ Adduct Films: Sensitization for Visible Photoelectrocatalysis. <i>Langmuir</i> , 2012, 28, 13536-13541.	3.5	19
508	Visible light sensitized photocurrent generation from electrostatically assembled thin films of $[\text{Ru}(\text{bpy})_3]^{2+}$ and the polyoxometalate $\text{[W}_{18}\text{O}_{54}(\text{SO}_4)_2]^{4-}$ : Optimizing performance in a low electrolyte medium. <i>Journal of Electroanalytical Chemistry</i> , 2013, 706, 93-101.	3.8	19
509	Electrochemistry of nickel(II) and copper(II) $\text{N,N}^{\prime}$ -ethylenebis(acetylacetoniminato) complexes and their electrocatalytic activity for reduction of carbon dioxide and carboxylic acid protons. <i>Transition Metal Chemistry</i> , 2014, 39, 819-830.	1.4	19
510	Electrochemical reduction of aromatic ketones in 1-butyl-3-methylimidazolium-based ionic liquids in the presence of carbon dioxide: the influence of the ketone substituent and the ionic liquid anion on bulk electrolysis product distribution. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 19247-19254.	2.8	19
511	Investigation of the Redox and Acid-Base properties of TCNQF <sub>2</sub> : Electrochemistry, Vibrational Spectroscopy, and Substituent Effects. <i>ChemElectroChem</i> , 2018, 5, 1173-1185.	3.4	19
512	Impact of $\text{sp}^2$ Carbon Edge Effects on the Electron-Transfer Kinetics of the Ferrocene/Ferrocenium Process at a Boron-Doped Diamond Electrode in an Ionic Liquid. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17397-17406.	3.1	19
513	Polarographic studies in aqueous hydrofluoric acid using a.c. and d.c. rapid techniques. <i>Analytical Chemistry</i> , 1969, 41, 1801-1806.	6.5	18
514	Investigation of factors stabilizing formally zero valent copper macrocyclic complexes. <i>Inorganic Chemistry</i> , 1987, 26, 413-420.	4.0	18
515	Comparison of the Gold Reduction and Stripping Processes at Platinum, Rhodium, Iridium, Gold and Glassy Carbon Micro- and Macrodisk Electrodes. <i>Analyst</i> , 1997, 122, 1147-1152.	3.5	18
516	Different mechanisms for the reaction of disubstituted aromatic esters and thioic S-esters with electrochemically generated superoxide. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 1075-1080.	0.9	18
517	Effect of ion pairing on steady-state voltammetric limiting currents at microelectrodes Part I. Theoretical principles. <i>Journal of Electroanalytical Chemistry</i> , 1997, 430, 25-37.	3.8	18
518	The development of new microelectrode gas sensors: an odyssey. <i>Journal of Electroanalytical Chemistry</i> , 2000, 487, 25-30.	3.8	18
519	Modelling of solid-state, dissolution and solution-phase reactions at adhered solid-electrode-solvent (electrolyte) interfaces: electrochemistry of microcrystals of C <sub>60</sub> adhered to an electrode in contact with dichloromethane ( $\text{Bu}_4\text{NClO}_4$ ). <i>Journal of Electroanalytical Chemistry</i> , 2001, 501, 22-32.	3.8	18
520	A thin-film electrochemical study of the "blue" copper proteins, auracyanin A and auracyanin B, from the photosynthetic bacterium <i>Chloroflexus aurantiacus</i> : the reduction potential as a function of pH. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 306-317.	2.6	18
521	The synthesis and structure of heteroleptic tris(diimine)ruthenium(II) complexes. <i>Dalton Transactions</i> , 2004, , 1766.	3.3	18
522	Voltammetric studies of polyoxometalate microparticles in contact with the reactive distillable ionic liquid DIMCARB. <i>Electrochemistry Communications</i> , 2005, 7, 1283-1290.	4.7	18

#	ARTICLE	IF	CITATIONS
523	Electrochemical Study of Dialcarb “Distillable”-Room-Temperature Ionic Liquids. <i>ChemPhysChem</i> , 2009, 10, 455-461.	2.1	18
524	Carbon nanotube/Prussian blue nanocomposite film as a new electrode material for environmental treatment of water samples. <i>RSC Advances</i> , 2013, 3, 5393.	3.6	18
525	Application of Bayesian Inference in Fourier-Transformed Alternating Current Voltammetry for Electrode Kinetic Mechanism Distinction. <i>Analytical Chemistry</i> , 2019, 91, 5303-5309.	6.5	18
526	A perceived paucity of quantitative studies in the modern era of voltammetry: prospects for parameterisation of complex reactions in Bayesian and machine learning frameworks. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2041-2050.	2.5	18
527	Cd-Enhanced Ethanol Selectivity in Electrocatalytic CO <sub>2</sub> Reduction at Sulfide-Derived Cu <sup>+</sup> /Cd. <i>ChemSusChem</i> , 2021, 14, 2924-2934.	6.8	18
528	Speculation on Some Effects of Complexation and Anion-Induced Adsorption on the Polarography of Indium in Acidic Halide and Thiocyanate Media. <i>Journal of the Electrochemical Society</i> , 1972, 119, 1503.	2.9	17
529	Validity of the Ilkovic and other standard direct and alternating current polarographic equations at short drop time. <i>The Journal of Physical Chemistry</i> , 1973, 77, 915-922.	2.9	17
530	New instrumental approach in phase-selective second harmonic alternating current polarography. <i>Analytical Chemistry</i> , 1974, 46, 1754-1758.	6.5	17
531	Electrochemical and chemical oxidation of seven-coordinate Group 5 complexes. <i>Inorganic Chemistry</i> , 1980, 19, 1760-1765.	4.0	17
532	A new polarographic response for ethynyloestradiol and its application to electrochemical detection associated with reverse-phase liquid chromatography. <i>Analytica Chimica Acta</i> , 1982, 138, 35-45.	5.4	17
533	Microprocessor-based tensammetric detection for liquid chromatography. <i>Analytica Chimica Acta</i> , 1983, 152, 13-24.	5.4	17
534	Stability of monofluoride complexes of the Irving-Williams series acceptors in methanol. <i>Inorganic Chemistry</i> , 1983, 22, 1644-1648.	4.0	17
535	Evaluation of some dry ashing methods for anodic stripping voltammetric determination of cadmium and lead in biological materials. <i>Analytica Chimica Acta</i> , 1984, 161, 303-314.	5.4	17
536	Voltammetric determination of platinum in inorganic complexes and in water, geological and biological matrices using laboratory- and field-based instrumentation. <i>Analyst</i> , 1990, 115, 1569.	3.5	17
537	Investigation of the Mechanism of Formation of Insertion Compounds of Uranium Oxides by Voltammetric Reduction of the Solid Phase after Mechanical Transfer to a Carbon Electrode. <i>Journal of the Electrochemical Society</i> , 1992, 139, 2363-2371.	2.9	17
538	Field-based identification of minerals using a battery-operated electrochemical measuring system with mechanical transfer of the solid to a graphite electrode. <i>Journal of Geochemical Exploration</i> , 1992, 42, 227-235.	3.2	17
539	In Situ Electrochemical and Electron Spin Resonance Studies of Microcrystals Mechanically Attached to an Electrode Surface. <i>Journal of the Electrochemical Society</i> , 1997, 144, 1566-1574.	2.9	17
540	Coupled Redox Reactions, Linkage Isomerization, Hydride Formation, and Acid-Base Relationships in the Decaphenylferrocene System. <i>Organometallics</i> , 1997, 16, 2787-2797.	2.3	17



#	ARTICLE	IF	CITATIONS
541	Electrochemical reduction of pyrethroid insecticides in non-aqueous solvents. <i>Journal of Electroanalytical Chemistry</i> , 1997, 426, 63-73.	3.8	17
542	NMR, Voltammetric, and Photoelectrochemical Studies on the Dark and Light-Catalyzed Reactions of $\text{[S}_2\text{Mo}_2\text{O}_6\text{]}_4$ -with Aryl- and Alkylphosphines. <i>Inorganic Chemistry</i> , 1998, 37, 2366-2372.	4.0	17
543	Voltammetric reduction of mercury(II), silver(I), lead(II) and copper(II) ions adsorbed onto a new form of mesoporous silica. <i>Analytica Chimica Acta</i> , 1999, 396, 203-213.	5.4	17
544	A Full Analytic Treatment of Reversible Linear-Scan Voltammetry with Square-Wave Modulation. <i>Journal of Physical Chemistry B</i> , 2002, 106, 152-157.	2.6	17
545	Voltammetric Studies with Adhered Microparticles and the Detection of a Dependence of Organometallic Cis+â†’ Trans+First-Order Isomerization Rate Constants on the Identity of the Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2004, 108, 7363-7372.	2.6	17
546	Implementation of a Statistically Supported Heuristic Approach to Alternating Current Voltammetric Harmonic Component Analysis: Re-evaluation of the Macrodisk Glassy Carbon Electrode Kinetics for Oxidation of Ferrocene in Acetonitrile. <i>Analytical Chemistry</i> , 2011, 83, 1791-1799.	6.5	17
547	Controlled potential electrodeposition of a microcrystalline thin film of the charge transfer material tetrathiafulvaleneâ€“polyoxometalate of approximate composition $(\text{TTF})_5.3(\text{Bu}_4\text{N})_{0.7}[\text{P}_2\text{W}_{18}\text{O}_{62}]\cdot 3\text{H}_2\text{O}$ . <i>Journal of Materials Chemistry</i> , 2011, 21, 5398.	6.7	17
548	Homogeneous Electron-Transfer Reaction between Electrochemically Generated Ferrocenium Ions and Amine-Containing Compounds. <i>Organometallics</i> , 2013, 32, 5731-5739.	2.3	17
549	Fourierâ€“Transformed Largeâ€“Amplitude AC Voltammetric Study of Tetrathiafulvalene (TTF): Electrode Kinetics of the $\text{TTF}^{0+}/\text{TTF}^{+}$ and $\text{TTF}^{+}/\text{TTF}^{2+}$ Processes. <i>ChemElectroChem</i> , 2014, 1, 99-107.	3.4	17
550	Optimisation of windowing for harmonic recovery in large-amplitude Fourier transformed a.c. voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2014, 732, 86-92.	3.8	17
551	Mechanistic Insights Gained by Monitoring Carbon Nanotube/Prussian Blue Nanocomposite Formation With in Situ Electrochemically Based Techniques. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13157-13167.	3.1	17
552	One pot synthesis of poly(5-hydroxyl-1,4-naphthoquinone) stabilized gold nanoparticles using the monomer as the reducing agent for nonenzymatic electrochemical detection of glucose. <i>Analytica Chimica Acta</i> , 2015, 856, 27-34.	5.4	17
553	Ultra-small Cu nanoparticles embedded in N-doped carbon arrays for electrocatalytic CO <sub>2</sub> reduction reaction in dimethylformamide. <i>Nano Research</i> , 2018, 11, 3678-3690.	10.4	17
554	Controlling the morphological and redox properties of the CuTCNQ catalyst through solvent engineering. <i>Emergent Materials</i> , 2019, 2, 35-44.	5.7	17
555	The Origin of the Electrocatalytic Activity for CO <sub>2</sub> Reduction Associated with Metalâ€“Organic Frameworks. <i>ChemSusChem</i> , 2020, 13, 2552-2556.	6.8	17
556	Strategy for trace-metal determination in seawater by anodic stripping voltammetry using a computerized multi-time-domain measurement method. <i>Analytical Chemistry</i> , 1986, 58, 1063-1066.	6.5	16
557	Electrochemical generation of soluble and reactive cadmium, lead, and thallium cations in noncoordinating solvents. Relative strengths of perchlorate, tetrafluoroborate, and hexafluorophosphate ligation in dichloromethane and benzene. <i>Journal of the American Chemical Society</i> , 1988, 110, 5293-5297.	13.7	16
558	Chemical and electrochemical oxidation of mer/fac-Cr(CO) <sub>3</sub> (.eta.1-L-L)(.eta.2-L-L) containing a pendant donor atom: ESR studies of the cations mer-[Cr(CO) <sub>3</sub> (.eta.1-L-L)(.eta.2-L-L)] <sup>+</sup> and		



#	ARTICLE	IF	CITATIONS
559	Achievement of the analytically ideal steady-state response at a microelectrode-based scanning electrochemical detector under flow injection analysis and normal-phase chromatography conditions. <i>Analytical Chemistry</i> , 1993, 65, 3252-3257.	6.5	16
560	A statistical study of the potential dependence of a transfer coefficient supports the Marcus theory. <i>Journal of Electroanalytical Chemistry</i> , 1994, 370, 1-15.	3.8	16
561	Voltammetric studies of ferrocene and the mercury dithiophosphate system at mercury electrodes over a temperature range encompassing the mercury liquid-solid state transition. <i>Journal of Electroanalytical Chemistry</i> , 1997, 426, 145-155.	3.8	16
562	Tetrabutylammonium cation expulsion versus perchlorate electrolyte anion uptake in the electrochemical oxidation of microcrystals of $[(C_4H_9)_4N][Cr(CO)_5I]$ mechanically attached to a gold electrode: a voltammetric and quartz crystal microbalance study. <i>Journal of Solid State Electrochemistry</i> , 1997, 1, 53-61.	2.5	16
563	Photocatalytic Reactions at Microcrystalline $fac-Mn(CO)_3(\bar{i}-2-Ph_2PCH_2PPh_2)Cl^-$ Electrode/Aqueous (Electrolyte) Interfaces. <i>Journal of the American Chemical Society</i> , 1999, 121, 8306-8312.	13.7	16
564	Electrodeposition of ternary CuAgSe thin films. <i>Electrochimica Acta</i> , 2005, 50, 5606-5615.	5.2	16
565	Designer based Fourier transformed voltammetry: A multi-frequency, variable amplitude, sinusoidal waveform. <i>Journal of Electroanalytical Chemistry</i> , 2009, 634, 11-21.	3.8	16
566	Theoretical and experimental investigation of surface-confined two-center metalloproteins by large-amplitude Fourier transformed ac voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2011, 656, 293-303.	3.8	16
567	A systematic study of the variation of tetrathiafulvalene (TTF), $TTF^{+}$ and $TTF^{2+}$ reaction pathways with water in the presence and absence of light. <i>RSC Advances</i> , 2014, 4, 49789-49795.	3.6	16
568	Super-efficient Platinum Catalyst Derived from a Semiconducting, DMF Solvate: Structural, Spectroscopic, Electrochemical, and Catalytic Characterization. <i>ChemCatChem</i> , 2014, 6, 2345-2353.	3.7	16
569	Electrochemical Proton Reduction and Equilibrium Acidity ( $pK_a$ ) in Aprotic Ionic Liquids: Phenols, Carboxylic Acids, and Sulfonic Acids. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21840-21851.	3.1	16
570	Multiparameter Estimation in Voltammetry When an Electron Transfer Process Is Coupled to a Chemical Reaction. <i>Analytical Chemistry</i> , 2016, 88, 4724-4732.	6.5	16
571	Reversibility of the $Zn(II) \rightarrow Zn$ electrode reaction in the application of polarographic theory to the study of the fluoride complexes of zinc. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1969, 20, 109-118.	0.1	15
572	Study of the Fluoride Complexes of Antimony(III) in Acidic Media by Rapid A-C Polarography. <i>Journal of the Electrochemical Society</i> , 1970, 117, 1145.	2.9	15
573	Polarographic and Coulometric Studies of O-Ethylthioacetothioacetate and O-Ethylthioacetate. <i>Journal of the Electrochemical Society</i> , 1972, 119, 1325.	2.9	15
574	Polarographic procedures without removal of oxygen, and other approaches to making the determinations more rapidly. <i>Talanta</i> , 1973, 20, 1139-1152.	5.5	15
575	Cyclic fundamental and second harmonic a.c. voltammetry with phase-selective detection. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1974, 50, 285-291.	0.1	15
576	Alternating current linear sweep and stripping voltammetry with phase-selective second harmonic detection. <i>Analytical Chemistry</i> , 1974, 46, 1531-1538.	6.5	15

#	ARTICLE	IF	CITATIONS
577	Inexpensive microprocessor controlled programmable function generators for use in electrochemistry. <i>Analytical Chemistry</i> , 1980, 52, 367-371.	6.5	15
578	Polarographic method for the determination of propanedial (malonaldehyde). <i>Analytical Chemistry</i> , 1980, 52, 2211-2213.	6.5	15
579	Examination of interferences in the stripping voltammetric determination of trimethyllead in seawater by polarography and mercury-199 and lead-207 nuclear magnetic resonance spectrometry. <i>Analytical Chemistry</i> , 1984, 56, 2392-2396.	6.5	15
580	Characterization of pentakis(dithiocarbamato)dicobalt(III) complexes, [Co <sub>2</sub> (RR'dtc) <sub>5</sub> ] <sup>+</sup> , and related complexes in dichloromethane using electrochemical and cobalt-59 NMR techniques. <i>Inorganic Chemistry</i> , 1985, 24, 4402-4407.	4.0	15
581	Analytical and mechanistic aspects of the electrochemical oxidation of keto steroids derivatized with phenylhydrazine, (4-nitrophenyl)hydrazine, and (2,4-dinitrophenyl)hydrazine. <i>Analytical Chemistry</i> , 1988, 60, 1023-1027.	6.5	15
582	Changes in the iron(III)/iron(II) redox process at a gold microelectrode in liquid and frozen low temperature perchloric and sulfuric acid electrolyte media. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 301, 139-154.	0.1	15
583	Structural, spectroscopic and electrochemical studies of binuclear nickel(II) complexes of bis(pentadentate) ligands derived from bis(1,4,7-triazacyclononane) macrocycles. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 3919-3926.	1.1	15
584	The dependence of reversible potentials on the form of modification of edge plane pyrolytic graphite electrodes in voltammetric studies on rubredoxin and ferredoxin from <i>Clostridium pasteurianum</i> . <i>Electrochemistry Communications</i> , 1999, 1, 309-314.	4.7	15
585	Structural, spectroscopic and electrochemical studies of nickel(II) "sandwich" complexes with ligands featuring tethered 1,4,7-triazacyclononane macrocycles. <i>Dalton Transactions RSC</i> , 2001, , 2232-2238.	2.3	15
586	A practical approach to applying short time Fourier transform methods in voltammetric investigations. <i>Journal of Electroanalytical Chemistry</i> , 2001, 515, 8-16.	3.8	15
587	Electrochemical and chemical oxidation of the antitumour agent [Pt{(p-HC <sub>6</sub> F <sub>4</sub> )NCH <sub>2</sub> ) <sub>2</sub> }(py) <sub>2</sub> ] detection of platinum(III) intermediates. <i>Dalton Transactions</i> , 2003, , 890-900.	3.3	15
588	Use of MATHEMATICA software for theoretical analysis of linear sweep voltammograms. <i>Journal of Electroanalytical Chemistry</i> , 2004, 561, 191-202.	3.8	15
589	A new method for electrocrystallization of AgTCNQF <sub>4</sub> and Ag <sub>2</sub> TCNQF <sub>4</sub> (TCNQF <sub>4</sub> =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267. <i>Electrochemistry</i> , 2011, 15, 2293-2304.	2.5	15
590	Electrochemical Synthesis and Characterization of Semiconducting Ni(TCNQF <sub>4</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> (TCNQF <sub>4</sub> =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 267. <i>Electrochemistry</i> , 2012, 16, 2889-2897.	2.0	15
591	The Observation of Dianions Generated by Electrochemical Reduction of trans-Stilbenes in Ionic Liquids at Room Temperature. <i>Analytical Chemistry</i> , 2013, 85, 6113-6120.	6.5	15
592	Electrode Material Dependence of the Electron Transfer Kinetics Associated with the [SVW11O <sub>40</sub> ] <sup>3-</sup> /4 <sup>-</sup> (VV/IV) and [SVW11O <sub>40</sub> ] <sup>4-</sup> /5 <sup>-</sup> (WV/IV) Processes in Dimethylformamide. <i>Electrochimica Acta</i> , 2016, 201, 45-56.	5.2	15
593	Electrohydrogenation of Carbon Dioxide using a Ternary Pd/Cu <sub>2</sub> O-Cu Catalyst. <i>ChemSusChem</i> , 2019, 12, 4471-4479.	6.8	15
594	Polarography in Acetone of Tris(Dithioacetylacetonato)-Complexes of Iron(III), Ruthenium(III), Osmium(III), and Rhodium(III). <i>Journal of the Electrochemical Society</i> , 1970, 117, 1362.	2.9	14

#	ARTICLE	IF	CITATIONS
595	Removal of interference in the differential pulse polarographic determination of progestogens in some combined low-dosage oral contraceptives. <i>Analytica Chimica Acta</i> , 1981, 127, 135-145.	5.4	14
596	Three-dimensional variable amplitude pseudo-derivative normal pulse polarography. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1983, 145, 21-34.	0.1	14
597	Investigation of exchange and redox reactions of mercury dithiocarbamate complexes by electrochemical techniques at mercury electrodes, mercury-199 nuclear magnetic resonance spectrometry and mass spectrometry. <i>Inorganic Chemistry</i> , 1984, 23, 2883-2891.	4.0	14
598	Oxidation processes at mercury electrodes for tetraphenyllead and related compounds in dichloromethane. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1985, 182, 367-382.	0.1	14
599	The effects of temperature, salinity and seagrass species on the uptake of lead(II) from seawater by excised leaves. <i>Marine Chemistry</i> , 1988, 24, 253-260.	2.3	14
600	A newly designed variable temperature stationary and flow-through cell for in situ ESR-electrochemical experiments in solvents having either low or high dielectric constants. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 252, 259-267.	0.1	14
601	Electrochemical, EPR, and Magnetic Studies on Microcrystals of the [C60@S,(p-Benzyl-calix[5]arene)2]@C8Toluene and Its One-Electron-Reduced Encapsulation Complex. <i>Journal of Physical Chemistry B</i> , 2000, 104, 8129-8137.	2.6	14
602	Synthesis, structure, and redox behaviour of a novel cis-dioxomolybdenum(VI) dinuclear complex with a quadridentate dithiocarbamate. <i>Inorganica Chimica Acta</i> , 2002, 333, 41-50.	2.4	14
603	The influence of migration on cyclic and rotating disk voltammograms. <i>Journal of Electroanalytical Chemistry</i> , 2002, 538-539, 25-33.	3.8	14
604	An experimental investigation of large amplitude reversible square wave voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2002, 536, 161-169.	3.8	14
605	Facile Analysis of EC Cyclic Voltammograms. <i>Analytical Chemistry</i> , 2004, 76, 2256-2260.	6.5	14
606	Formation of Self-Ordered TiO <sub>2</sub> Nanotubes by Electrochemical Anodization of Titanium in 2-Propanol/NH <sub>4</sub> F. <i>Journal of the Electrochemical Society</i> , 2009, 156, K227.	2.9	14
607	Synthesis, Spectroscopic Properties and Electrochemical Oxidation of RuII-Polypyridyl Complexes Attached to a Peptide Nucleic Acid Monomer Backbone. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2179-2186.	2.0	14
608	Theoretical and experimental evaluation of screen-printed tubular carbon ink disposable sensor well electrodes by dc and Fourier transformed ac voltammetry. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 551-563.	2.5	14
609	DC and AC voltammetry of a free-base porphyrin adsorbed onto basal-plane graphite under acidic conditions: An example of a close to ideal reversible two-electron surface-confined redox process at sub-monolayer coverages. <i>Electrochimica Acta</i> , 2009, 54, 2713-2719.	5.2	14
610	Electrochemically-Induced TCNQ/Mn[TCNQ] <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> (TCNQ =) Tj ETQq0 0 0 rgBT /Overlock 10 T Processes That Allow Selective Generation of Nanofiber or Nanorod Network Morphologies. <i>Inorganic Chemistry</i> , 2009, 48, 9258-9270.	4.0	14
611	Leveraging e-Science infrastructure for electrochemical research. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 3336-3352.	3.4	14
612	A flow cell for transient voltammetry and in situ grazing incidence X-ray diffraction characterization of electrocrystallized cadmium(II) tetracyanoquinodimethane. <i>Electrochimica Acta</i> , 2011, 56, 1546-1553.	5.2	14

#	ARTICLE	IF	CITATIONS
613	Remarkable Sensitivity of the Electrochemical Reduction of Benzophenone to Proton Availability in Ionic Liquids. Chemistry - A European Journal, 2012, 18, 5290-5301.	3.3	14
614	Estimation of electrode kinetic and uncompensated resistance parameters and insights into their significance using Fourier transformed ac voltammetry and e-science software tools. Journal of Electroanalytical Chemistry, 2013, 690, 104-110.	3.8	14
615	A ferrocenyl-substituted 1,2,4-triazole ligand and its Fe, Ni and Cu 1D-chain complexes. Dalton Transactions, 2013, 42, 10326.	3.3	14
616	Spontaneous Redox Synthesis and Characterization of the Tetrathiafulvalene- $\pi$ -Vanadium-Substituted Polyoxometalate Charge-Transfer Material TTF <sub>4</sub> [SVW <sub>11</sub> O <sub>40</sub> ]: Comparison with the Mo Analogue. Inorganic Chemistry, 2014, 53, 10996-11006.	4.0	14
617	Probing Electrolyte Cation Effects on the Electron Transfer Kinetics of the [1 $\pm$ -SiW <sub>12</sub> O <sub>40</sub> ] <sup>4<math>\pm</math>/5<math>\pm</math></sup> and [1 $\pm$ -SiW <sub>12</sub> O <sub>40</sub> ] <sup>5<math>\pm</math>/6<math>\pm</math></sup> Processes using a Boron-Doped Diamond Electrode. Electrochimica Acta, 2015, 178, 631-637.	5.2	14
618	Oxomolybdate anchored on copper for electrocatalytic hydrogen production over the entire pH range. Applied Catalysis B: Environmental, 2019, 249, 227-234.	20.2	14
619	Impact of the Lithium Cation on the Voltammetry and Spectroscopy of [XVM <sub>11</sub> O <sub>40</sub> ] <sup>n<math>\pm</math></sup> (X = P, As (n = 4), S (n = 3); M =) Tj. <a href="#">DOI: 10.1016/j.jelechem.2017.04.014</a>	1.0	14
620	Developments, Trends and Commercial Availability of Instrumentation (Hardware and Software) in Microcomputer Based Voltammetry. Collection of Czechoslovak Chemical Communications, 1993, 58, 2769-2812.	1.0	14
621	Rapid, phase-sensitive, three-electrode alternating current polarography. Analytical Chemistry, 1972, 44, 1803-1807.	6.5	13
622	The ac and dc polarographic reduction of bismuth(III) in acidic halide and other media. Electrochimica Acta, 1972, 17, 769-785.	5.2	13
623	Stability of alkaline earth monofluoride complexes in methanol. Inorganic Chemistry, 1978, 17, 3684-3689.	4.0	13
624	Electrochemical studies of perfluoroalkyl and alkyl derivatives of cobalt(III) with quadridentate salicylaldehydes at mercury and platinum electrodes. Journal of the Chemical Society Dalton Transactions, 1979, , 1891.	1.1	13
625	Electrochemical reduction of the trimethyllead(IV) cation in seawater. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1983, 154, 217-228.	0.1	13
626	Normal pulse cathodic stripping voltammetry of ethynylestradiol. Analytical Chemistry, 1984, 56, 1222-1226.	6.5	13
627	Oxidation processes for tetraethyllead and tetramethyllead in dichloromethane at mercury electrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1985, 194, 37-48.	0.1	13
628	Electrochemical mechanisms involving isomeric species. The Journal of Physical Chemistry, 1985, 89, 3739-3747.	2.9	13
629	Low temperature electrochemistry of metalloporphyrins in dichloromethane: characterization of transient species. Inorganica Chimica Acta, 1986, 123, 167-173.	2.4	13
630	Modification of adsorption components of the processes for reduction of selenium(IV) and oxidation of ferrocene at gold electrodes in frozen aqueous pe. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1989, 259, 189-205.	0.1	13

#	ARTICLE	IF	CITATIONS
631	Differences in nature and stability of cadmium complexes with Group 15/Group 16 donor ligands as determined by multinuclear (phosphorus-31, selenium-77, cadmium-113) magnetic resonance and electrochemical techniques. <i>Inorganic Chemistry</i> , 1989, 28, 4509-4516.	4.0	13
632	Electrochemical investigation of kinetic and thermodynamic aspects of oxidation and reduction of mononuclear and binuclear rhodium dithiocarbamate and diselenocarbamate complexes. <i>Inorganic Chemistry</i> , 1989, 28, 54-59.	4.0	13
633	Voltammetry of Copper Diethyldithiocarbamate in Toluene and Toluene-Based Solvents: Development of a Solvent Extraction-Stripping Method for the Determination of Copper Using Microdisk Electrodes. <i>Analytical Chemistry</i> , 1994, 66, 1925-1930.	6.5	13
634	On-line and off-line voltammetric methods for the determination of nickel in zinc plant electrolyte. <i>Analyst</i> , The, 1994, 119, 1057.	3.5	13
635	Characterization of titanocene(III) complexes of $\hat{I}^2$ -diketonates by electrochemical, spectroscopic and crystallographic methods: stabilization of oxidized and reduced $\hat{I}^2$ -diketonate radicals by acetyl and titanocene derivatization, respectively. <i>Inorganica Chimica Acta</i> , 1995, 235, 117-126.	2.4	13
636	A Comparison of Solution, Microcrystalline Solid, and Thin Film Phase Voltammetry of $[\text{Co}(\text{mtas})_2](\text{X})_n$ (mtas = bis(2-(dimethylarsino)phenyl)methylarsine; X = $\text{BF}_4^-$ , n = 3; X = $\text{ClO}_4^-$ , n = 2, 3; X = ) <i>J Electroanal Chem</i> 1997, 439, 37-53.	0.0	0
637	Linear and non-linear analysis using the Oldham-Zoski steady-state equation for determining heterogeneous electrode kinetics at microdisk electrodes and digital simulation of the microdisk geometry with the fast quasi-explicit finite difference method. <i>Journal of Electroanalytical Chemistry</i> , 1997, 439, 37-53.	3.8	13
638	Cationic silver compounds with metal (Co, Rh, Ir) tris(dithiocarbamate) and tris(diselenocarbamate) complexes as ligands: synthetic, electrochemical, NMR, electrospray mass spectrometric and X-ray crystallographic studies. <i>Inorganica Chimica Acta</i> , 1997, 260, 61-71.	2.4	13
639	Perspectives in Modern Voltammetry: Basic Concepts and Mechanistic Analysis. <i>Advances in Physical Organic Chemistry</i> , 1999, , 1-120.	0.5	13
640	Dawson-Type Heteropolyoxometalates $[\text{R}_4\text{N}]_4[\text{S}_2\text{M}_{18}\text{O}_{62}]$ (M = W, Mo) as Catalysts for the Homogeneous Phase $\text{H}_2\text{O}_2$ Oxidation of Organic Substrates. <i>Australian Journal of Chemistry</i> , 2002, 55, 691.	0.9	13
641	The electrochemistry of a heme-containing enzyme, CYP199A2, adsorbed directly onto a pyrolytic graphite electrode. <i>Journal of Electroanalytical Chemistry</i> , 2007, 611, 149-154.	3.8	13
642	Monitoring Cuprous Ion Transport by Scanning Electrochemical Microscopy during the Course of Copper Electrodeposition. <i>Journal of the Electrochemical Society</i> , 2008, 155, D538.	2.9	13
643	Systematic evaluation of electrode kinetics and impact of surface heterogeneity for surface-confined proteins using analysis of harmonic components available in sinusoidal large-amplitude Fourier transformed ac voltammetry. <i>Analytica Chimica Acta</i> , 2009, 652, 205-214.	5.4	13
644	Extraction of silver(i) from aqueous solutions in the absence and presence of copper(ii) with a methimazole-based ionic liquid. <i>Analyst</i> , The, 2011, 136, 3314.	3.5	13
645	Large amplitude Fourier transformed ac voltammetry at a rotating disc electrode: a versatile technique for covering Levich and flow rate insensitive regimes in a single experiment. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4742.	2.8	13
646	Access to enhanced differences in Marcus-Hush and Butler-Volmer electron transfer theories by systematic analysis of higher order AC harmonics. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 2210-2221.	2.8	13
647	Formation of Bismuth(V) Thiolates: Protolysis and Oxidation of Triphenylbismuth(III) with Heterocyclic Thiols. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7247-7251.	13.8	13
648	EPR spectroscopic characterization of a monomeric Pt III species produced via electrochemical oxidation of the anticancer compound trans - $[\text{Pt II} \{(\text{p-HC}_6\text{F}_4)\text{NCH}_2\text{CH}_2\text{NEt}_2\}\text{Cl}(\text{py})]$ . <i>Journal of Inorganic Biochemistry</i> , 2016, 162, 194-200.	3.5	13



#	ARTICLE	IF	CITATIONS
649	Probing Electrode Heterogeneity Using Fourier-Transformed Alternating Current Voltammetry: Application to a Dual-Electrode Configuration. <i>Analytical Chemistry</i> , 2017, 89, 2830-2837.	6.5	13
650	Enhanced NADH Oxidation Using Polytyramine/Carbon Nanotube Modified Electrodes for Ethanol Biosensing. <i>Electroanalysis</i> , 2017, 29, 1985-1993.	2.9	13
651	Integration of Heuristic and Automated Parametrization of Three Unresolved Two-Electron Surface-Confined Polyoxometalate Reduction Processes by AC Voltammetry. <i>ChemElectroChem</i> , 2018, 5, 3771-3785.	3.4	13
652	Interference of lithium in atomic absorption spectrometry. <i>Analytical Chemistry</i> , 1971, 43, 134-135.	6.5	12
653	Use of rapid a.c. polarography for the evaluation of complexes of sparingly soluble salts. <i>Analytica Chimica Acta</i> , 1971, 53, 159-167.	5.4	12
654	Use of pulsed direct current potential to minimize charging current in alternating current polarography. <i>Analytical Chemistry</i> , 1975, 47, 1906-1909.	6.5	12
655	Electrochemical reduction of seven-coordinate, substituted molybdenum(II) and tungsten(II) halocarbonyls. <i>Inorganic Chemistry</i> , 1978, 17, 105-111.	4.0	12
656	Measurement of direct currents and pulse components for analytical evaluation of differential pulse polarography and voltammetry. <i>Analytical Chemistry</i> , 1980, 52, 1439-1445.	6.5	12
657	Influence of oxygen insertion on the electrochemistry of chromium(III) dithiocarbamate complexes. <i>Inorganic Chemistry</i> , 1984, 23, 1858-1865.	4.0	12
658	Accessibility of Formally Six-Coordinate Ruthenium(IV) Complexes Generated by Electrochemical Oxidation of Ruthenium(II) Dimethylglyoxime and Related Complexes Containing Phosphorus, Nitrogen or Oxygen Donor Axial Ligands. <i>Australian Journal of Chemistry</i> , 1988, 41, 1389.	0.9	12
659	Electrochemical differentiation of .alpha.- and .beta.-diastereoisomers of the steroid hormone receptor marker 3-(benzyloxy)-17.beta.-hydroxyestra-1,3,5(10)-trienetricarbonylchromium. <i>Organometallics</i> , 1989, 8, 2382-2387.	2.3	12
660	Multiple temperature electrochemical studies of the oxidatively catalyzed E-Z isomerization reactions in iron alkenyl complexes. Improved resolution of closely spaced redox systems using deconvolution voltammetry. <i>Organometallics</i> , 1989, 8, 1714-1718.	2.3	12
661	Exchange reactions with zinc bis[(2-hydroxyethyl)dithiocarbamate] for automated monitoring of metal ions in industrial effluents by liquid chromatography with electrochemical detection. <i>Analytical Chemistry</i> , 1989, 61, 1494-1496.	6.5	12
662	Efficient procedures for the voltammetric determination of total arsenic in zinc and cadmium plant electrolyte process streams and in industrial effluents. <i>Analyst, The</i> , 1994, 119, 1051.	3.5	12
663	Electrochemistry of dimeric organopalladium(II) complexes containing bridging [pyridin-2-yl(phenyl)methyl-C,N] $\pi$ and [bis(pyridin-2-yl)phenylmethyl-C,N, $\pi$ ] $\pi$ groups. <i>Inorganica Chimica Acta</i> , 1996, 251, 185-192.	2.4	12
664	Correlation of voltammetric and spectroscopic data obtained from open- and closed-shell aromatic esters and those obtained from AM1 calculations. <i>Journal of Electroanalytical Chemistry</i> , 1998, 442, 217-227.	3.8	12
665	Voltammetric Oxidation of Solution and Solid Phases of Salts of [V(CO)6] <sup>-</sup> in Aqueous (Electrolyte) Media. <i>Journal of Physical Chemistry B</i> , 1998, 102, 1229-1234.	2.6	12
666	Comparison of direct current, derivative direct current, pulse and square wave voltammetry at single disc, assembly and composite carbon electrodes: stripping voltammetry at thin film mercury microelectrodes with field-based instrumentation. <i>Analyst, The</i> , 1998, 123, 1333-1337.	3.5	12



#	ARTICLE	IF	CITATIONS
667	Voltammetric Studies on Decaphenylferrocene, Substituted Decaphenylferrocenes, and Their Oxidized Forms in Dichloromethane and Ionic Liquids. <i>Organometallics</i> , 2005, 24, 2188-2196.	2.3	12
668	Numerical Simulation of the Effects of Experimental Error on the Higher Harmonic Components of Fourier Transformed AC Voltammograms. <i>Electroanalysis</i> , 2006, 18, 333-344.	2.9	12
669	Electrooxidation of $[(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\text{CO})_2]_2$ As a Probe of the Nucleophilic Properties of Ionic Liquid Anions. <i>Inorganic Chemistry</i> , 2010, 49, 2502-2511.	4.0	12
670	Synthesis and characterization of diiron dithiolate complexes containing a quinoxaline bridge. <i>Dalton Transactions</i> , 2011, 40, 10907.	3.3	12
671	Activation Parameters Derived From a Temperature Dependent Large Amplitude ac Voltammetric Study of the Electrode Kinetics of the $\text{Cp}_{2\text{M}}^{\text{O/+}}$ Redox Couples (M = Fe, Co) at a Glassy Carbon Electrode. <i>Journal of Physical Chemistry A</i> , 2011, 115, 6493-6502.	2.5	12
672	Comparison of the electrochemical behaviour of buckypaper and polymer-intercalated buckypaper electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2011, 652, 52-59.	3.8	12
673	Spontaneous Redox Synthesis of the Charge Transfer Material $\text{TTF}_{4\text{[SVMo}_{11}\text{O}_{40}]}$ . <i>Inorganic Chemistry</i> , 2012, 51, 12929-12937.	4.0	12
674	Comparison of chemical interactions with $\text{Li}^+$ and catalytic reactivity of electrochemically generated $[\text{FeCl}(\text{L})]2\text{a}^-$ and $[\text{Co}(\text{L})]\text{a}^-$ complexes (L = salen or salophen). <i>Dalton Transactions</i> , 2013, 42, 11146.	3.3	12
675	Aluminium oxidation at high anodic potentials in an $\text{AlCl}_3$ -containing air- and water-stable ionic liquid solution. <i>Electrochemistry Communications</i> , 2013, 37, 68-70.	4.7	12
676	Voltammetric studies on the inter-relationship between the redox chemistry of TTF, $\text{TTF}^{+}$ , $\text{TTF}^{2+}$ and $\text{HTTF}^{+}$ in acidic media. <i>RSC Advances</i> , 2015, 5, 18384-18390.	3.6	12
677	An SECM study on the influence of cationic, membrane-active peptides on a gold-supported self-assembled monolayer. <i>Electrochemistry Communications</i> , 2015, 51, 11-14.	4.7	12
678	Biogenic Manganese Oxide Mineralization is Enhanced by an Oxidative Priming Mechanism for the Multi-Copper Oxidase, MnxEFG. <i>Chemistry - A European Journal</i> , 2017, 23, 1346-1352.	3.3	12
679	Models and Their Limitations in the Voltammetric Parameterization of the Six-Electron Surface-Confined Reduction of $[\text{PMo}_{12}\text{O}_{40}]^{3-}$ at Glassy Carbon and Boron-Doped Diamond Electrodes. <i>ChemElectroChem</i> , 2019, 6, 5499-5510.	3.4	12
680	One-electron reduction of the $\hat{1}^3$ -isomer of $[\text{S}_{2\text{W}_{18}\text{O}_{62}}]^{4-}$ leads to isolation of the $\hat{1}^1$ -isomer. <i>Canadian Journal of Chemistry</i> , 2001, 79, 613-620.	1.1	12
681	Opportunities and challenges in applying machine learning to voltammetric mechanistic studies. <i>Current Opinion in Electrochemistry</i> , 2022, 34, 101009.	4.8	12
682	A study of the weak fluoride complexes of the divalent first row transition metal ions with a fluoride ion-selective electrode. <i>Journal of Inorganic and Nuclear Chemistry</i> , 1972, 34, 603-607.	0.5	11
683	Polarographic oxidation and reduction of O-ethyl thioacetothioacetato complexes of zinc(II), cadmium(II), and mercury(II) in acetone. <i>Journal of the American Chemical Society</i> , 1973, 95, 1449-1456.	13.7	11
684	Polarography of Some 1,1-Dithiolates and Their Mercury Complexes in Acetone. <i>Journal of the Electrochemical Society</i> , 1973, 120, 1502.	2.9	11

#	ARTICLE	IF	CITATIONS
685	Alternating current polarographic determination of uranium in complex minerals characterized by electron probe analysis. <i>Analytical Chemistry</i> , 1974, 46, 1551-1558.	6.5	11
686	Paramagnetic organometallic molecules. 18. Redox chemistry of the flyover complexes $R_6C_6Co_2(CO)_4$ . <i>Organometallics</i> , 1985, 4, 1077-1082.	2.3	11
687	Addition of small molecules to $(\eta^5-C_5H_5)_2Rh_2(\mu-CO)(\mu-CF_3C_2CF_3)$ . 7. Formation and properties of several isocyanide complexes $(\eta^5-C_5H_5)_2Rh_2(CO)(CNR)(\mu-CF_3C_2CF_3)$ , crystal and molecular structure of the complex with $R = 2,6-Me_2C_6H_3$ , and structure and substituent influences on the electrochemistry of $(\eta^5-C_5H_5)_2Rh_2(CO)L(\mu-CF_3C_2CF_3)$ ( $L = CO, PPh_3$ or $CNCMe_3$ ). <i>Organometallics</i> , 1987, 6, 2508-2517.	2.3	11
688	A systematic approach to faradaic current, charging current and phase angle measurement by digital alternating current polarography. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1987, 222, 35-44.	0.1	11
689	Effect of sphericity on the voltammetric (polarographic) log plot for reversible amalgam formation. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1987, 218, 1-13.	0.1	11
690	Application of microelectrodes and variable-temperature techniques to voltammetric studies of inorganic reaction mechanisms. <i>Coordination Chemistry Reviews</i> , 1989, 93, 1-18.	18.8	11
691	Electrochemically generated copper(II), tin(II), bismuth(III) and zinc(II) complexes in dichloromethane containing tetrabutylammonium perchlorate, tetrafluoroborate or hexafluorophosphate as the electrolyte. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991, , 411.	1.1	11
692	Determination of tocopherols by reverse-phase liquid chromatography and electrochemical detection at a surface-oxide modified platinum microelectrode, without added electrolyte. <i>Talanta</i> , 1991, 38, 65-72.	5.5	11
693	Robert Boyle anniversary lecture. New aspects of the electrochemistry of redox active metalloproteins and enzymes based on a microscopic model of electron transfer at the electrode-solution interface. <i>Analytical Proceedings</i> , 1992, 29, 132-148.	0.4	11
694	Channel electrode voltammetry and electro-dimerization processes. The electro-oxidation of tris(dithiocarbamate)cobalt(III) complexes. <i>Journal of Electroanalytical Chemistry</i> , 1995, 385, 249-255.	3.8	11
695	Voltammetric Determination of the Synthetic Pyrethroid Insecticide Tetramethrin in Acetonitrile. <i>Analytical Chemistry</i> , 1996, 68, 1267-1271.	6.5	11
696	Flow injection discrimination of the chloride interference with Cu(II) electrode function of chalcogenide based solid-state copper ion-selective electrodes. <i>Analytica Chimica Acta</i> , 1998, 362, 221-234.	5.4	11
697	Novel features associated with the electrochemically driven bis( $\eta^5$ -pentaphenylcyclopentadienyl)iron(II) $\leftrightarrow$ iron(III) redox transformation at an electrode-solution interface. <i>Inorganica Chimica Acta</i> , 1999, 291, 21-31.	2.4	11
698	Electrochemically Informed Synthesis and Characterization of Salts of the $[Pt_2(\eta^4-\eta^5As_4C_6H_3-5-Me-2-AsPh_2)_4]^+$ Lantern Complex Containing a Pt-Pt Bond of Order 1/2. <i>Inorganic Chemistry</i> , 2005, 44, 2472-2482.	4.0	11
699	Efficient strategy for quality control of screen-printed carbon ink disposable sensor electrodes based on simultaneous evaluation of resistance, capacitance and Faradaic current by Fourier transform AC voltammetry. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 1301-1315.	2.5	11
700	Electrochemical studies with dissolved and surface-confined forms of neo-pentyl-ferrocene-based polyesters utilising $[NBu_4][B(C_6F_5)_4]$ and other electrolytes. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 1511-1519.	2.5	11
701	A Survey of Electrodes used for Voltammetric Analysis. <i>Zeitschrift für Chemie</i> , 1990, 30, 117-129.	0.0	11
702	In situ immobilization of Ag nanoparticles on Keggin heteropoly blue microtubes. <i>Journal of Materials Chemistry</i> , 2011, 21, 6995.	6.7	11

#	ARTICLE	IF	CITATIONS
703	Favourable surface properties of boron-doped diamond electrodes for aluminium electrodeposition from ionic liquids. <i>Electrochemistry Communications</i> , 2012, 18, 85-87.	4.7	11
704	Studies on the Nuances of the Electrochemically Induced Room Temperature Isomerization of cis-Stilbene in Acetonitrile and Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2014, 118, 3183-3191.	2.6	11
705	The aperiodic current, and its semiintegral, in reversible a.c. voltammetry: Theory and experiment. <i>Journal of Electroanalytical Chemistry</i> , 2014, 719, 113-121.	3.8	11
706	Stabilisierung eines niedrigvalenten Eisen(II)-Ions in einem hochvalenten molekularen Vanadium(V)-Oxid-Cluster. <i>Angewandte Chemie</i> , 2017, 129, 14944-14947.	2.0	11
707	Untangling Complex Redox Chemistry in Zeolitic Imidazolate Frameworks Using Fourier Transformed Alternating Current Voltammetry. <i>Analytical Chemistry</i> , 2017, 89, 10181-10187.	6.5	11
708	Demonstration of Superiority of the Marcus-Hush Electrode Kinetic Model in the Electrochemistry of Dissolved Decamethylferrocene at a Gold-Modified Electrode by Fourier-Transformed Alternating Current Voltammetry. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9009-9014.	3.1	11
709	Separating the Effects of Experimental Noise from Inherent System Variability in Voltammetry: The $[\text{Fe}(\text{CN})_6]^{4-}$ Process. <i>Analytical Chemistry</i> , 2019, 91, 1944-1953.	6.5	11
710	Polarographic microdetermination of fluoride. <i>Analytical Chemistry</i> , 1968, 40, 1405-1407.	6.5	10
711	Correlation of heterogeneous charge-transfer rate constants and homogeneous rate constants for removal of coordinated water in the a.c. and d.c. polarographic study of some irreversibly reduced complex ions in Aqueous solution. <i>The Journal of Physical Chemistry</i> , 1971, 75, 2640-2649.	2.9	10
712	Alternating current and direct current polarography in concentrated hydrofluoric acid solutions with a teflon dropping mercury electrode. <i>Analytical Chemistry</i> , 1972, 44, 590-592.	6.5	10
713	Alternating current and direct current voltammetry with a mercury pool electrode in concentrated hydrofluoric acid. <i>Analytical Chemistry</i> , 1972, 44, 464-467.	6.5	10
714	Analytical application of high frequency, phase-sensitive short controlled drop time alternating current polarography. <i>Analytical Chemistry</i> , 1973, 45, 2026-2031.	6.5	10
715	Simultaneous determination of cadmium, copper, lead and zinc in lead and zinc concentrates by a.c. polarographic methods. <i>Analytica Chimica Acta</i> , 1975, 75, 409-420.	5.4	10
716	Measurement of higher harmonics with a lock-in amplifier. Phase-selective and other forms of sinusoidal, sawtooth, square wave, triangular wave, and white noise alternating current polarography. <i>Analytical Chemistry</i> , 1975, 47, 2321-2324.	6.5	10
717	Electrochemical studies of tungsten hexafluoride and related compounds in anhydrous hydrogen fluoride. <i>Inorganic Chemistry</i> , 1975, 14, 2408-2412.	4.0	10
718	On-line monitoring with an ion-selective electrode in a high-volume flow-through cell. <i>Analytica Chimica Acta</i> , 1982, 136, 51-59.	5.4	10
719	Reversed-phase high-performance liquid chromatography for the determination of steroid hormones in oral contraceptives. <i>Journal of Chromatography A</i> , 1984, 315, 313-320.	3.7	10
720	Reversible electrode processes involving multistep mechanisms for cadmium dithiocarbamates and diselenocarbamates at mercury electrodes. <i>Inorganic Chemistry</i> , 1985, 24, 1591-1597.	4.0	10

#	ARTICLE	IF	CITATIONS
721	Electrochemical oxidation of hormonal steroid chromium, molybdenum and tungsten tricarbonyl complexes in dichloromethane. <i>Organometallics</i> , 1987, 6, 385-391.	2.3	10
722	Studies of adsorption processes in the absence of added electrolyte: phase changes in coumarin adsorbed at conventional and micro mercury electrodes. <i>Langmuir</i> , 1988, 4, 341-345.	3.5	10
723	Photoelectrochemistry of some organochromium carbonyl compounds. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 3641.	1.1	10
724	Photoelectrochemical oxidation of tris(dimethyldithiocarbamate-S,Sâ€²)cobalt(III). <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 1917-1920.	1.1	10
725	Voltammetric, Specular Reflectance Infrared, and X-ray Electron Probe Characterization of Redox and Isomerization Processes Associated with the [Mn(CO) <sub>2</sub> (Î¼ <sup>3</sup> -P <sub>2</sub> Pâ€²Br)] <sup>+/0</sup> (P <sub>2</sub> Pâ€² = {Ph <sub>2</sub> P(CH <sub>2</sub> ) <sub>2</sub> PPH}, [Mn(CO) <sub>2</sub> (Î¼ <sup>3</sup> -P <sub>3</sub> Pâ€²Br)] <sup>+/0</sup> (P <sub>3</sub> Pâ€² = {Ph <sub>2</sub> PCH <sub>2</sub> } <sub>3</sub> P), and [{Mn(CO) <sub>2</sub> (Î¼ <sup>2</sup> -dpe)Br] <sub>2</sub> (Î¼ <sup>4</sup> -dpe)] <sup>2+/0</sup> (dpe = ) Tj ETQq1 1 0.784314 rgBT /C	2.3	10
726	Determination of antimony(III) and antimony(V) in copper plant electrolyte by anodic stripping voltammetry. <i>Electroanalysis</i> , 1997, 9, 681-684.	2.9	10
727	The catalysis of solid state intercalation processes by organic solvents. <i>Journal of Electroanalytical Chemistry</i> , 2003, 554-555, 157-165.	3.8	10
728	Kinetic and mechanistic evaluation of tetrahydroborate ion electro-oxidation at polycrystalline gold. <i>Electrochimica Acta</i> , 2009, 54, 7236-7241.	5.2	10
729	Electrochemical and Chemical Oxidation of [Pt <sub>2</sub> (Î¼ <sup>4</sup> -pyrophosphite) <sub>4</sub> ] <sup>4+</sup> Revisited: Characterization of a Nitrosyl Derivative, [Pt <sub>2</sub> (Î¼ <sup>4</sup> -pyrophosphite) <sub>4</sub> (NO)] <sup>3+</sup> . <i>Inorganic Chemistry</i> , 2009, 48, 2593-2604.	4.0	10
730	Twoâ€²Step Electrochemically Directed Synthesis of Pr <sub>4</sub> N(TCNQ) <sub>n</sub> (<i>n</i>=1, 2): Preparation, Structure, and Properties of a Magnetically Isolated Dimer and a Quasiâ€²Oneâ€²Dimensional Chain. <i>Chemistry - A European Journal</i> , 2011, 17, 9350-9358.	3.3	10
731	Attributes of Direct Current Aperiodic and Alternating Current Harmonic Components Derived From Large Amplitude Fourier Transformed Voltammetry Under Microfluidic Control in a Channel Electrode. <i>Analytical Chemistry</i> , 2012, 84, 6686-6692.	6.5	10
732	On choosing a reference redox system for electrochemical measurements: a cautionary tale. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 3021-3026.	2.5	10
733	Role of Water in the Dynamic Disproportionation of Zn-Based TCNQ(F <sub>4</sub> ) Coordination Polymers (TCNQ) Tj ETQq1 1 0.784314 rgBT /C	4.0	10
734	Efficient Enzymatic Oxidation of Glucose Mediated by Ferrocene Covalently Attached to Polyethylenimine Stabilized Gold Nanoparticles. <i>Electroanalysis</i> , 2016, 28, 2728-2736.	2.9	10
735	Using Purely Sinusoidal Voltammetry for Rapid Inference of Surface-Confined Electrochemical Reaction Parameters. <i>Analytical Chemistry</i> , 2021, 93, 2062-2071.	6.5	10
736	Numerical Simulation of Alternating Current Linear Sweep Voltammetry at Microdisc Electrodes. <i>Collection of Czechoslovak Chemical Communications</i> , 2001, 66, 255-275.	1.0	10
737	Inclusion of multiple cycling of potential in the deep neural network classification of voltammetric reaction mechanisms. <i>Faraday Discussions</i> , 2021, 233, 44-57.	3.2	10
738	Comparison of fundamental and second-harmonic a.c., and normal, derivative and differential pulse linear-sweep and stripping voltammetric methods. <i>Analytica Chimica Acta</i> , 1975, 74, 163-175.	5.4	9

#	ARTICLE	IF	CITATIONS
739	Alternating current polarography using a non-linear, potential-time ramp to generate the d.c. potential. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1978, 87, 251-260.	0.1	9
740	Novel synthesis of reduced mixed-valence molybdenum and tungsten complexes by electrochemical oxidation of the seven-coordinate complexes $\text{MX}(\text{S}_2)(\text{R}_2\text{dtc})_2$ ( $\text{M} = \text{Mo}$ , $\text{X} = \text{O}$ ; $\text{M} = \text{W}$ , $\text{X} = \text{O}$ , $\text{S}$ ; $\text{R} = \text{alkyl}$ ); <i>Tj ETQq 0.00 rgBTg/Overlock</i>	0.0	9
741	Multinuclear (carbon-13, phosphorus-31, selenium-77) magnetic resonance and infrared spectroscopic studies of the interaction of $\text{W}(\text{CO})_4(\text{NO})\text{I}$ with potentially bidentate Group 15 and mixed Group 15/Group 16 donor ligands. Electrochemical studies on some Group 15 donor ligand derivatives. <i>Organometallics</i> , 1988, 7, 1774-1782.	2.3	9
742	Molecular weight and mercury-199 NMR studies on mercury-rich cations produced from mercury(II) dithiocarbamates. <i>Inorganica Chimica Acta</i> , 1990, 168, 233-236.	2.4	9
743	Exchange and other reactions associated with zinc(II) dithiocarbamate oxidation and reduction processes observed at mercury and platinum electrodes in dichloromethane. <i>Inorganic Chemistry</i> , 1990, 29, 284-289.	4.0	9
744	Differential-pulse polarographic determination of copper and iron in biological and river-water samples as their N-phenylbenzohydroxamic acid complexes by gas-stirred solvent extraction with ethyl acetate. <i>Analyst, The</i> , 1991, 116, 257.	3.5	9
745	Electrochemistry of $[\text{MoS}_2(\text{C}_5\text{H}_{10}\text{NO})_2]$ and its Oxo-Thio and Dioxo Analogs: Redox-Induced Interconversion of Species. <i>Inorganic Chemistry</i> , 1994, 33, 5754-5760.	4.0	9
746	The influence of transannular interactions on the redox properties of the tricarbonylchromium complexes of ortho-, meta- and para-[2.2]cyclophane. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 443-448.	1.1	9
747	Structural assignment of the stable carbonylhydridotris-(triphenylphosphine)iridium(II) cation and spectroscopic and voltammetric identification of the transient Ir(III) dication and its decomposition pathway. <i>Inorganica Chimica Acta</i> , 2000, 300-302, 565-571.	2.4	9
748	Reactions of $\text{M}(\text{CO})_5\text{X}$ ( $\text{M} = \text{Mn}$ , $\text{Re}$ ; $\text{X} = \text{Cl}$ , $\text{Br}$ ) with $\{\text{Ph}_2\text{PCH}_2\}_3\text{CCH}_3(\text{P}3)$ and $\{\text{Ph}_2\text{P}(\text{CH}_2)_2\}_3\text{P}$ ( $\text{P}3\text{Pa}^-$ ): $\hat{\text{A}}$ Synthetic, Spectroscopic, Electrochemical, and Electrospray Mass Spectrometric Studies. <i>Inorganic Chemistry</i> , 2000, 39, 4696-4703.	4.0	9
749	Contribution of migration current to the voltammetric deposition and stripping of lead with and without added supporting electrolyte at a mercury-free carbon fibre microdisc electrode. <i>Analytica Chimica Acta</i> , 2003, 500, 307-321.	5.4	9
750	Synthesis and redox properties of triarylmethane dyecation salts of anions $[\text{M}_{6}\text{O}_{19}]^{2-}$ ( $\text{M} = \text{Mo}$ , $\text{W}$ ). <i>Dalton Transactions</i> , 2011, 40, 356-366.	3.3	9
751	Electrochemically Directed Synthesis of $\text{Co}^{2+}$ and $\text{Ni}^{2+}$ Complexes with $\text{TCNQF}_4^{2-}$ ( $\text{TCNQF}_4 = \text{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262 Td (2,3,5,6-Te}$ 2012, 5534-5541.	2.0	9
752	Room Temperature Electrodeposition of Metallic Magnesium from Ethylmagnesium Bromide in Tetrahydrofuran and Ionic Liquid Mixtures. <i>Journal of the Electrochemical Society</i> , 2016, 163, H3043-H3051.	2.9	9
753	Implementation of concurrent electrolytic generation of two homogeneous mediators under widened potential conditions to facilitate removal of air-pollutants. <i>Scientific Reports</i> , 2017, 7, 29.	3.3	9
754	Influence of Tip and Substrate Properties and Nonsteady-State Effects on Nanogap Kinetic Measurements: Response to Comment on "Impact of Adsorption on Scanning Electrochemical Microscopy Voltammetry and Implications for Nanogap Measurements". <i>Analytical Chemistry</i> , 2017, 89, 7273-7276.	6.5	9
755	Double-Layer Capacitance at Ionic Liquid-Boron-Doped Diamond Electrode Interfaces Studied by Fourier Transformed Alternating Current Voltammetry. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11777-11788.	3.1	9
756	A Comparison of Bayesian Inference Strategies for Parameterisation of Large Amplitude AC Voltammetry Derived from Total Current and Fourier Transformed Versions. <i>ChemElectroChem</i> , 2021, 8, 2238-2258.	3.4	9



#	ARTICLE	IF	CITATIONS
757	Unveiling the Impact of the Cations and Anions in Ionic Liquid/Glyme Hybrid Electrolytes for Na <sup>+</sup> Batteries. ACS Applied Materials & Interfaces, 2022, 14, 4022-4034.	8.0	9
758	Stability constant determination in precipitating systems by rapid alternating current polarography. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1972, 34, 227-237.	0.1	8
759	Alternating current linear sweep and cyclic voltammetry at a dropping mercury electrode with phase-selective fundamental and second harmonic detection. Analytical Chemistry, 1974, 46, 1934-1941.	6.5	8
760	Comparison of semiintegral, semidifferential, direct current linear sweep, direct current derivative linear sweep, pulse, and related voltammetric methods by computerized instrumentation. Analytical Chemistry, 1980, 52, 1318-1322.	6.5	8
761	Theory of digital alternating current polarographic techniques. Analytical Chemistry, 1982, 54, 1575-1578.	6.5	8
762	Ion-selective electrode with microprocessor-based instrumentation for on-line monitoring of copper in plant electrolyte. Analytical Chemistry, 1983, 55, 2071-2075.	6.5	8
763	The bubble electrode-a new electrode for the combination of voltammetry, electrolysis and electron spin resonance spectrometry. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 245, 105-112.	0.1	8
764	Spectroscopic and microelectrode techniques applied to the oxidation of equilibrium and nonequilibrium mixtures of cis- and trans-tetracarbonylbis(trimethyl phosphite)chromium(0): deceptively simple electrochemical responses. Organometallics, 1988, 7, 2224-2228.	2.3	8
765	Instrumentation for 7-day continuous cycle monitoring of metals with automated on-line sample preparation, high-performance liquid chromatography, and electrochemical detection. Analytical Chemistry, 1988, 60, 1357-1360.	6.5	8
766	Polarographic and spectroscopic examination of the reaction of the anabolic steroid oxymetholone with methanol and ethanol. Journal of Organic Chemistry, 1988, 53, 1991-1996.	3.2	8
767	Extraction-liquid chromatography with electrochemical and spectrophotometric detection for the determination of copper and iron in biological and river water samples. Analytica Chimica Acta, 1990, 235, 279-285.	5.4	8
768	Electrochemistry of cyanocopper thiomolybdates and thiotungstates: redox-based interconversion of species. Inorganic Chemistry, 1990, 29, 4521-4525.	4.0	8
769	Determination of zinc and acid in zinc plant electrolyte by discontinuous flow analysis. Analyst, The, 1992, 117, 1845.	3.5	8
770	Simple voltammetric method for the determination of $\beta$ -carotene in brine and soya oil samples at mercury and glassy carbon electrodes. Analyst, The, 1992, 117, 857-861.	3.5	8
771	Polarographic determination of total iron, iron(II) and iron(III) in zinc plant electrolyte. Analytica Chimica Acta, 1993, 277, 145-151.	5.4	8
772	Cyclic Voltammetry of the Uranyl Ion in Magnesium Chloride Electrolyte at a Graphite Electrode in Weakly Acidic and Neutral Solutions. Journal of the Electrochemical Society, 1994, 141, 311-316.	2.9	8
773	Multinuclear ( <sup>31</sup> P, <sup>77</sup> Se, <sup>113</sup> Cd, <sup>199</sup> Hg) magnetic resonance, electrospray mass spectrometric and electrochemical studies on the reactions of M(S <sub>2</sub> P{OEt} <sub>2</sub> ) <sub>2</sub> (M=Cd, Hg) with potentially bidentate mixed Group 15/Group 16 and Group 16 donor ligands. Inorganica Chimica Acta, 1994, 224, 137-146.	2.4	8
774	Interaction between Silver and Other Heavy Metal Ions and the Ionophore S,S-Dipropyl Pyridine-2,6-dicarbothioate. Analytical Chemistry, 1997, 69, 3353-3359.	6.5	8

#	ARTICLE	IF	CITATIONS
775	Electrochemical reduction of pyrethroid insecticides based on esters of 1-cyano-3-phenoxybenzyl alcohol at glassy carbon and mercury electrodes in acetonitrile. <i>Journal of Electroanalytical Chemistry</i> , 1997, 430, 215-225.	3.8	8
776	Off-line and on-line differential pulse anodic stripping voltammetric techniques for the determination of antimony(III) and antimony(V) in zinc plant electrolyte. <i>Electroanalysis</i> , 1997, 9, 13-18.	2.9	8
777	Adsorptive Stripping Voltammetric Determination of Germanium in Zinc Plant Electrolyte. <i>Electroanalysis</i> , 1998, 10, 387-392.	2.9	8
778	Electrochemical and spectroscopic studies on the reduction of the cis-(Et <sub>2</sub> -dcbpy) <sub>2</sub> RuX <sub>2</sub> series of photovoltaic sensitizer precursor complexes (Et <sub>2</sub> -dcbpy = 4,4'-diethyl 2,2'-bipyridine-4,4'-dicarboxylate, X = Cl, Br). <i>Journal of Electroanalytical Chemistry</i> , 2000, 480, 109-114.	3.8	8
779	Elucidation of the Wide Range of Reaction Pathways That Accompany the Electrochemical Oxidation of cis,mer-[Mn(CO) <sub>2</sub> (1-dpm)(2-dpm)X] (dpm = Ph <sub>2</sub> PCH <sub>2</sub> PPh <sub>2</sub> ; X = Cl, Br). <i>Inorganic Chemistry</i> , 1999, 38, 2005-2011.	4.0	8
780	Voltammetric Monitoring of Gold Nanoparticle Formation Facilitated by Glycyl-L-Tyrosine: A Relation to Electronic Spectra and Transmission Electron Microscopy Images. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12419-12426.	2.6	8
781	Reactivity of one-, two-, three- and four-electron reduced forms of [P <sub>2</sub> W <sub>18</sub> O <sub>62</sub> ] <sup>6-</sup> generated by controlled potential electrolysis in water. <i>Inorganica Chimica Acta</i> , 2011, 374, 327-333.	2.4	8
782	Mass transport and modulation effects in rocking dual-semi-disc electrode voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2014, 722-723, 78-82.	3.8	8
783	Aggregation of a Dibenzo[a,h]chrysene Based Organic Photovoltaic Material in Solution. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6839-6849.	2.6	8
784	Influence of 1-butyl-3-methylimidazolium on the electron transfer kinetics associated with the [SW <sub>11</sub> O <sub>40</sub> ] <sup>3-</sup> /4 <sup>-</sup> (V/V) and [SW <sub>11</sub> O <sub>40</sub> ] <sup>4-</sup> /5 <sup>-</sup> (W/V) processes in dimethylformamide. <i>Journal of Electroanalytical Chemistry</i> , 2016, 779, 67-74.	3.8	8
785	Voltammetric Perspectives on the Acidity Scale and H <sup>+</sup> /H <sub>2</sub> Process in Ionic Liquid Media. <i>Annual Review of Analytical Chemistry</i> , 2018, 11, 397-419.	5.4	8
786	Radio frequency alternating electromagnetic field enhanced tetra ruthenium polyoxometalate electrocatalytic water oxidation. <i>Chemical Communications</i> , 2019, 55, 1032-1035.	4.1	8
787	Modelling limitations encountered in the thermodynamic and electrode kinetic parameterization of the [P <sub>2</sub> W <sub>18</sub> O <sub>62</sub> ] <sup>4-</sup> /5 <sup>-</sup> /6 <sup>-</sup> processes at glassy carbon and metal electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2020, 872, 113786.	3.8	8
788	Thermodynamics, Electrode Kinetics, and Mechanistic Nuances Associated with the Voltammetric Reduction of Dissolved [n-Bu <sub>4</sub> N] <sub>4</sub> [PW <sub>11</sub> O <sub>39</sub> {Sn(C <sub>6</sub> H <sub>4</sub> )C(C <sub>6</sub> H <sub>4</sub> )(N <sub>3</sub> C <sub>4</sub> H <sub>10</sub> )}] and a Surface-Confined Diazonium Derivative. <i>ACS Applied Energy Materials</i> , 2020, 3, 3991-4006.	5.1	8
789	Unravelling the Role of Speciation in Glyme:Ionic Liquid Hybrid Electrolytes for Na <sup>+</sup> /O <sub>2</sub> Batteries. <i>Batteries and Supercaps</i> , 2021, 4, 513-521.	4.7	8
790	A Spotter's guide to dispersion in non-catalytic surface-confined voltammetry experiments. <i>Journal of Electroanalytical Chemistry</i> , 2021, 894, 115204.	3.8	8
791	Direct titrimetric determination of fluoride in natural waters. <i>Biochemical Journal</i> , 1953, 53, 642-645.	3.1	7
792	Instrumental advantages obtained with short controlled drop-time a.c. polarography. <i>Talanta</i> , 1974, 21, 591-600.	5.5	7

#	ARTICLE	IF	CITATIONS
793	Electrochemical studies of molybdenum hexafluoride and related compounds in anhydrous hydrogen fluoride. <i>Inorganic Chemistry</i> , 1977, 16, 841-844.	4.0	7
794	Examination of mercury dithiocarbamate-trialkylphosphine mixed-ligand complexes by electrochemical techniques at mercury electrodes and multinuclear magnetic resonance spectroscopy. <i>Inorganic Chemistry</i> , 1986, 25, 1519-1526.	4.0	7
795	Development and application of computerized battery-powered field programmable data acquisition systems. <i>Analytica Chimica Acta</i> , 1986, 180, 327-339.	5.4	7
796	Battery-operated microcomputer-based electrochemical instrumentation. <i>TrAC - Trends in Analytical Chemistry</i> , 1988, 7, 159-164.	11.4	7
797	A battery-powered, computerized instrument for the field-based determination of fluoride by the ion-selective electrode technique. <i>Analytica Chimica Acta</i> , 1988, 208, 195-206.	5.4	7
798	Examination of staircase, normal pulse and differential pulse voltammetry at inlaid ultramicroelectrodes using a computerized multi-time-domain measure. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 241, 1-15.	0.1	7
799	Determination of the redox active forms of oxindolylalanine and peptides of kynurenine on the basis of electrochemical studies at mercury electrodes in aqueous media. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 315, 125-141.	0.1	7
800	New aspects of the chemistry and mechanism of electrochemical reduction of kynurenine at mercury electrodes in aqueous media. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 309, 173-197.	0.1	7
801	Phosphine derivatives of mercury and cadmium dithiolates: an electrospray mass spectrometric study. <i>Inorganica Chimica Acta</i> , 1995, 228, 193-197.	2.4	7
802	Flow injection analysis of copper diethyldithiocarbamate in high resistance toluene media using a microelectrode detector. <i>Analytica Chimica Acta</i> , 1997, 340, 169-174.	5.4	7
803	Electrochemical Oxidation of Pyrethroid Insecticides at Glassy Carbon Electrodes in Acetonitrile. <i>Electroanalysis</i> , 1998, 10, 163-172.	2.9	7
804	Electron-, Anion-, and Proton-Transfer Processes Associated with the Redox Chemistry of $\text{Fe}(\text{l-5-C}_5\text{Ph}_5)(\text{l-6-C}_6\text{H}_5)\text{C}_5\text{Ph}_4$ and Its Protonated Form $[\text{Fe}(\text{l-5-C}_5\text{Ph}_5)(\text{l-6-C}_6\text{H}_5)\text{C}_5\text{Ph}_4\text{H}]\text{BF}_4$ at Microcrystalâ€”Electrodeâ€”Solvent (Electrolyte) Interfaces. <i>Organometallics</i> , 1999, 18, 642-649.	2.3	7
805	Title is missing!. <i>Australian Journal of Chemistry</i> , 2001, 54, 735.	0.9	7
806	A Systematic Study of the Influence of Peptide Modification of a Gold Electrode on the Cyclic Voltammetry of Pseudoazurin from <i>Alcaligenes faecalis</i> Strain S-6. <i>Electroanalysis</i> , 2004, 16, 1155-1165.	2.9	7
807	Probing Second Harmonic Components of pHâ€”Sensitive Redox Processes in a Mesoporous $\text{TiO}_2$ â€”Nafion Film Electrode with Fourierâ€”Transformed Largeâ€”Amplitude Sinusoidally Modulated Voltammetry. <i>Electroanalysis</i> , 2009, 21, 41-47.	2.9	7
808	Scanning electrochemical microscopy study of the solidâ€”solid interconversion of TCNQ to phase I and phase II $\text{CuTCNQ}$ . <i>Electrochemistry Communications</i> , 2012, 22, 21-24.	4.7	7
809	Kinetic and thermodynamic interplay of cation ingress and egress at a TCNQ-modified electrode in contact with aqueous electrolyte mixtures containing $\text{Co(II)}$ and $\text{Ni(II)}$ cations. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 1609-1620.	2.5	7
810	The influence of thermal degradation on the electrodeposition of aluminium from an air- and water-stable ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 7470.	2.8	7

#	ARTICLE	IF	CITATIONS
811	Manganese(II) Oxazolidine Nitroxide Chelates: Structure, Magnetism, and Redox Properties. Australian Journal of Chemistry, 2014, 67, 1618.	0.9	7
812	Redox-induced solid-solid state transformation of tetrathiafulvalene (TTF) microcrystals into mixed-valence and $\text{I}^{\ominus}$ -dimers in the presence of nitrate anions. Journal of Solid State Electrochemistry, 2014, 18, 3287-3298.	2.5	7
813	Solid-State Electrochemistry of a Semiconducting MMX-Type Diplatinum Iodide Chain Complex. Inorganic Chemistry, 2014, 53, 4022-4028.	4.0	7
814	Synthesis, characterization, crystal structure, electrochemical properties and electrocatalytic activity of an unexpected nickel(II) Schiff base complex derived from bis(acetylacetonato)nickel(II), acetone and ethylenediamine. Transition Metal Chemistry, 2014, 39, 883-891.	1.4	7
815	Conditions Favoring the Formation of Monomeric $\text{Pt}^{\text{III}}$ Derivatives in the Electrochemical Oxidation of $\text{trans-[Pt}^{\text{II}}\{\text{p}(\text{BrC}_6\text{F}_4)_2\text{NCH}_2\text{CH}_2\text{NEt}_2\}_2\text{Cl}_2\text{]Cl}$ . ChemElectroChem. 2015, 2, 1048-1061.	3.4	7
816	Determination of diffusion coefficients from semiintegrated d.c. and a.c. voltammetric data: Overcoming the edge effect at macrodisc electrodes. Journal of Electroanalytical Chemistry, 2015, 744, 110-116.	3.8	7
817	Cyclopalladated complexes containing $2\text{-C}_6\text{R}_4\text{PPh}_2$ ligands ( $\text{R} = \text{H}, \text{Tj}$ ). Dalton Transactions, 2015, 44, 3367-3377.	1.0784314	7
818	Hydrodynamic Rocking Disc Electrode Study of the TEMPO-mediated Catalytic Oxidation of Primary Alcohols. Electroanalysis, 2016, 28, 2093-2103.	2.9	7
819	A supramolecular approach to the examination of the structures of some anticancer organoamidoplatinum(II) complexes. Supramolecular Chemistry, 2018, 30, 418-424.	1.2	7
820	Reply to Comment on Stabilization of Low-Valent Iron(I) in a High-Valent Vanadium(V) Oxide Cluster. Angewandte Chemie - International Edition, 2019, 58, 10048-10050.	13.8	7
821	Unprecedented Formation of a Binuclear $\text{Au}(\text{II})\text{-Au}(\text{II})$ Complex through Redox State Cycling: Electrochemical Interconversion of $\text{Au}(\text{I})\text{-Au}(\text{I})$ , $\text{Au}(\text{II})\text{-Au}(\text{II})$ , and $\text{Au}(\text{I})\text{-Au}(\text{III})$ in Binuclear Complexes Containing the Carbanionic Ligand $\text{C}_6\text{F}_4\text{PPh}_2$ . Inorganic Chemistry, 2019, 58, 13999-14004.	4.0	7
822	Rapid scanning voltammetry under steady-state conditions in a flow through thin layer cell with a microelectrode. Collection of Czechoslovak Chemical Communications, 1991, 56, 192-205.	1.0	7
823	Alternating current polarographic determination of electroactive species more negatively reduced than the major component. Analytical Chemistry, 1971, 43, 1658-1663.	6.5	6
824	Theoretical and experimental evaluation of multielement analysis by fundamental harmonic alternating current polarography. Analytical Chemistry, 1972, 44, 732-736.	6.5	6
825	Polarographic behaviour in acetone of complexes formed between the bis( $\eta$ -cyclopentadienyl)vanadium(IV) group and some 1,1-dithio-chelates. Journal of the Chemical Society Dalton Transactions, 1974, , 773-778.	1.1	6
826	Phase-selective intermodular alternating current polarography and voltammetry. Analytical Chemistry, 1976, 48, 1975-1979.	6.5	6
827	Identification and determination of xanthate, dioxanthogen and sulfur xanthate by fast-sweep differential pulse polarography, a.c. polarography and cyclic voltammetry. Analytica Chimica Acta, 1976, 84, 37-46.	5.4	6
828	Comparison of electrochemical data for reduction of mercury(II) dihalide diphosphine complexes in dichloromethane and mercury-199 and phosphorus-31 NMR data. Inorganic Chemistry, 1982, 21, 117-122.	4.0	6

#	ARTICLE	IF	CITATIONS
829	Continuous monitoring of copper and cadmium in zinc plating electrolyte using a microprocessor-based battery-operated data acquisition system, multiple ion-selective electrodes and redundancy principles. <i>Analytica Chimica Acta</i> , 1987, 200, 213-225.	5.4	6
830	Polarographic studies on tributyltin oxide in dichloromethane and tetrahydrofuran with application to antifouling paint. <i>Analytica Chimica Acta</i> , 1988, 204, 151-159.	5.4	6
831	NMR and electrochemical investigation of the redox and exchange reactions of tellurium(II) and tellurium(IV) dithiocarbamate complexes. <i>Inorganic Chemistry</i> , 1989, 28, 1510-1515.	4.0	6
832	Synthesis of dipositive molybdenum(II) and tungsten(II) carbonyl cations by electrochemically generated internal addition reactions. <i>Organometallics</i> , 1990, 9, 1227-1230.	2.3	6
833	Reactivity and reaction pathways of electrochemically generated 17-electron tricarbonyl steroid chromium cations. <i>Applied Organometallic Chemistry</i> , 1990, 4, 557-568.	3.5	6
834	Determination of copper, iron, and aluminum in serum by HPLC with electrochemical and spectrophotometric detection. <i>Journal of High Resolution Chromatography</i> , 1992, 15, 622-625.	1.4	6
835	Voltammetric techniques for studying the redox Chemistry of Solids. <i>Journal of Solid State Electrochemistry</i> , 1997, 1, 185-186.	2.5	6
836	Spectroscopic and electrochemical examination of the dark and photo-catalysed redox reactions that occur at the interface between solid $\text{[Hex4N]4[S2Mo18O62]}$ , solid triphenylphosphine and water. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 4373-4378.	1.1	6
837	Electron Transfer and Chemical Reactions Associated with the Oxidation of an Extensive Series of Mononuclear Complexes $[\text{M}(\text{CO})_2(\text{P}^1\text{-P-P})(\text{P}^2\text{-P-P})\text{X}]$ and Binuclear Complexes $[\{\text{M}(\text{CO})_2(\text{P}^2\text{-P-P})\text{X}\}_2(\text{P}^1\text{-P-P})]$ ( $\text{M} = \text{Fe}, \text{Co}$ ). <i>Journal of Electroanalytical Chemistry</i> , 2000, 48, 1-10.	1.7	6
838	Syntheses and structures of N-polyfluorophenyl- and N,N'-bis(polyfluorophenyl)ethane-1,2-diaminato(1-) $\text{[Tj ETQq 0 0 rg BT /Overlock 1.7 6]}$	1.7	6
839	Voltammetric studies in $\text{[1-butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide]}$ ionic liquid using electrodes with adhered microparticles. <i>Electrochemistry Communications</i> , 2012, 16, 14-18.	4.7	6
840	Investigations of Fast Electrode Kinetics for Reduction of 2,3,5,6-Tetrafluoro-7,7,8,8-tetracyanoquinodimethane in Conventional Solvents and Ionic Liquids Using Fourier Transformed Large Amplitude Alternating Current Voltammetry. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9560-9569.	3.1	6
841	Redox Levels of a $\text{[Osmaborane]}$ : A Density Functional Theory, Electron Paramagnetic Resonance and Electrochemical Study. <i>Inorganic Chemistry</i> , 2015, 54, 4292-4302.	4.0	6
842	Probing Electrode Heterogeneity using Fourier-Transformed Alternating Current Voltammetry: Protocol Development. <i>Electrochimica Acta</i> , 2017, 240, 514-521.	5.2	6
843	Solvent-, Cation- and Anion-Induced Structure Variations in Manganese-Based TCNQF 4 Complexes: Synthesis, Crystal Structures, Electrochemistry and Their Catalytic Properties. <i>ChemPlusChem</i> , 2018, 83, 24-34.	2.8	6
844	Electrolyte cation dependence of the electron transfer kinetics associated with the $[\text{SVW11O40}]^{3-}/4-$ (V/V) and $[\text{SVW11O40}]^{4-}/5-$ (W/V) processes in propylene carbonate. <i>Journal of Electroanalytical Chemistry</i> , 2018, 819, 193-201.	3.8	6
845	Systematic and non-systematic substituent effects gleaned from studies on $\text{CuTCNQF}_n$ ( $n = 1, 2, 4$ ): Electrocrystallisation and characterisation of $\text{CuTCNQF}$ . <i>Inorganica Chimica Acta</i> , 2020, 505, 119458.	2.4	6
846	Simultaneous determination of two electroactive species by alternating current polarography. <i>Analytical Chemistry</i> , 1971, 43, 393-397.	6.5	5



#	ARTICLE	IF	CITATIONS
847	Some interferences in alternating current, differential pulse and other polarographic methods. <i>Analytica Chimica Acta</i> , 1976, 81, 31-43.	5.4	5
848	Investigation by automated differential pulse anodic-stripping voltammetry of the problem of storage of dilute solutions. <i>Talanta</i> , 1977, 24, 453-457.	5.5	5
849	Alternating current polarography using an applied d.c. pulse program of the normal pulse polarographic type: Availability of theoretical rate laws. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1979, 95, 237-240.	0.1	5
850	Solution equilibria and redox properties of Schiff base complexes of oxomolybdenum(V) in dimethylformamide solution. <i>Inorganic Chemistry</i> , 1984, 23, 844-850.	4.0	5
851	Characterization of Tris(Diselenocarbamate)Cobalt(III) and Pentakis(Diselenocarbamate)Dicobalt(III) Complexes by Electrochemical, Cobalt-59 N.M.R. and Mass-Spectrometric Techniques. Comparisons With Dithiocarbamate Analogs. <i>Australian Journal of Chemistry</i> , 1986, 39, 1385.	0.9	5
852	Reversible oxidation processes in dichloromethane for triethyl-, diethyl-, trimethyl-, and dimethyllead compounds at mercury electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1987, 218, 197-211.	0.1	5
853	Novel aspects of electrochemical oxidation of inorganic compounds in non-coordinating media. <i>Pure and Applied Chemistry</i> , 1990, 62, 1043-1046.	1.9	5
854	Electrochemical reduction of N-formylkynurenine at mercury electrodes in aqueous media. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 317, 203-218.	0.1	5
855	A comparative study of the cylindrical wire, thin-layer, and wall-jet detector cells for the determination of inorganic arsenic by ion exclusion chromatography with constant and pulsed amperometric detection. <i>Electroanalysis</i> , 1992, 4, 453-461.	2.9	5
856	Characterization of mer,mer-{Cr(CO) <sub>3</sub> ( $\eta$ -2-dpe)} <sub>2</sub> ( $\mu$ -dpe) (dpe = Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) and an Investigation of Its Chemical, Redox, and Photochemical Reactivity. <i>Organometallics</i> , 1995, 14, 49-56.	2.3	5
857	A study of irreversible electrode processes under steady-state flowing solution conditions with a microelectrode based scanning electrochemical detector. <i>Analytica Chimica Acta</i> , 1996, 324, 1-11.	5.4	5
858	Versatile computer-based instrumentation for the application of three-dimensional voltammetry. <i>Computers &amp; Chemistry</i> , 1996, 20, 209-218.	1.2	5
859	Electrochemical Behavior and Determination of the Insecticide Synergist Piperonyl Butoxide. <i>Analytical Chemistry</i> , 1997, 69, 898-903.	6.5	5
860	An electrospray mass spectrometric and voltammetric study of horse heart cytochrome c in the presence of metal ions. <i>Inorganica Chimica Acta</i> , 1998, 267, 281-291.	2.4	5
861	Electrochemical reduction of the synthetic pyrethroid insecticides tralomethrin and tralocythrin at glassy carbon and mercury electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1998, 452, 5-11.	3.8	5
862	Complexation of macrocyclic ligands with relatively non-solvated metal ions generated in dichloromethane by electrochemical oxidation of amalgam electrodes. <i>Inorganica Chimica Acta</i> , 1999, 293, 223-228.	2.4	5
863	On the Failure To Observe Isotropic Electron Paramagnetic Resonance Spectra for Certain Chromium(I) Carbonyl Complexes. <i>Inorganic Chemistry</i> , 2000, 39, 3428-3429.	4.0	5
864	One-electron reduction of the $\hat{I}^3$ -isomer of [S <sub>2</sub> W <sub>18</sub> O <sub>62</sub> ] <sup>4-</sup> leads to isolation of the $\hat{I}^1$ -isomer. <i>Canadian Journal of Chemistry</i> , 2001, 79, 613-620.	1.1	5

#	ARTICLE	IF	CITATIONS
865	Cyclic Voltammetric Studies on [SMo12O40]2- and [SMo12O40]3- at Macrodisk Electrodes in Acetonitrile With and Without Added Supporting Electrolyte. <i>Electroanalysis</i> , 2001, 13, 1475-1480.	2.9	5
866	Remarks on the even harmonic current response in large amplitude reversible square wave voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2003, 546, 51-58.	3.8	5
867	Neo-Pentyl-Ferrocene Based Electroactive Polyesters. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2008, 18, 485-490.	3.7	5
868	Attributes of Large Amplitude Fourier Transformed Alternating Current Voltammetry at Array and Single Carbon Fiber Microdisk Electrodes. <i>Electroanalysis</i> , 2013, 25, 931-944.	2.9	5
869	Determination of Fast Electrode Kinetics Facilitated by Use of an Internal Reference. <i>Analytical Chemistry</i> , 2015, 87, 8387-8393.	6.5	5
870	[Fe( $\eta^5$ -Cp) <sub>2</sub> ][TCNQF <sub>4</sub> ] $\cdot$ 2: A Redox-Active Double Radical Salt. <i>Australian Journal of Chemistry</i> , 2019, 72, 769.	0.9	5
871	A Voltammetric Perspective of Multi-Electron and Proton Transfer in Protein Redox Chemistry: Insights From Computational Analysis of Escherichia coli HypD. <i>Frontiers in Chemistry</i> , 2021, 9, 672831.	3.6	5
872	Redox properties of mononuclear and triply-bridged binuclear thiolato anions of oxomolybdenum(V). <i>Journal of the Chemical Society Chemical Communications</i> , 1979, , 1022.	2.0	4
873	Thermodynamic and kinetic aspects of substituent effects on the redox properties of the carbonyl-bridged dirhodium complexes ( $\eta^5$ -C <sub>5</sub> H <sub>5</sub> ) <sub>2</sub> Rh <sub>2</sub> ( $\mu$ -CO)( $\mu$ -t-BuC <sub>2</sub> -t-Bu) and ( $\eta^5$ -C <sub>5</sub> H <sub>5</sub> ) <sub>2</sub> Rh <sub>2</sub> ( $\mu$ -CO)( $\mu$ -CF <sub>3</sub> C <sub>2</sub> CF <sub>3</sub> ). <i>Organometallics</i> , 1986, 5, 1435-1441.	2.3	4
874	Modified current-to-voltage converters for electrochemical instrumentation. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1986, 200, 35-46.	0.1	4
875	Modified forms of differential pulse polarography for improved sensitivity when kinetically controlled processes overlap. <i>Analytical Chemistry</i> , 1987, 59, 1846-1849.	6.5	4
876	Electrochemical studies of inorganic redox processes in n-butyronitrile over a wide range of temperature and scan rates at conventional and micro-sized electrodes: Iron protoporphyrin IX dimethyl ester chloride. <i>Inorganica Chimica Acta</i> , 1990, 169, 181-188.	2.4	4
877	Lead-207 NMR, mass spectrometric, and electrochemical studies on labile lead(II) dithiocarbamate complexes: formation of mixed mercury-lead complexes at a mercury electrode in dichloromethane solution. <i>Inorganic Chemistry</i> , 1990, 29, 1991-1995.	4.0	4
878	Voltammetric studies with copper microelectrodes fabricated from borosilicate-coated copper microwire. <i>Electroanalysis</i> , 1994, 6, 275-284.	2.9	4
879	Reaction Pathways in the Redox Chemistry of the [Mo(CO) <sub>2</sub> (dpe) <sub>2</sub> F] <sup>+</sup> and [Mo(CO) <sub>2</sub> (dpe) <sub>2</sub> F] <sub>3</sub> <sup>+</sup> (dpe = 1,1'-bis(2-quinolinecarboxylate)-2,2'-bipyridine). <i>Journal of Electroanalytical Chemistry</i> , 2011, 691, 1-10.	2.3	4
880	Systematic Electrochemical Synthesis of Reduced Forms of the $\text{[S}_2\text{Mo}_{18}\text{O}_{62}]^{4-}$ Anion. <i>Inorganic Chemistry</i> , 1998, 37, 604-604.	4.0	4
881	Electrochemical, spectroelectrochemical and theoretical studies on the reduction and deprotonation of the photovoltaic sensitizer [(H <sub>3</sub> -tctpy)Ru(II)(NCS) <sub>3</sub> ] <sup>+</sup> (H <sub>3</sub> -tctpy = 2,2',6',6'-terpyridine-4,4',4''-tricarboxylic acid). <i>Journal of Electroanalytical Chemistry</i> , 2000, 490, 7-16.	3.8	4
882	Dependence of the Voltammetric Oxidation of the Photovoltaic Sensitizer : [(H <sub>3</sub> -tctpy)Ru(II)(NCS) <sub>3</sub> ] <sup>+</sup> on the Electrode Material, Solvent, and Isomeric Purity. <i>Journal of the Electrochemical Society</i> , 2001, 148, E97.	2.9	4

#	ARTICLE	IF	CITATIONS
883	Electrochemical Parameter Optimization Using Scientific Workflows. , 2010, , .		4
884	Preferential synthesis of highly conducting Tl(TCNQ) phase II nanorod networks via electrochemically driven TCNQ/Tl(TCNQ) solid-solid phase transformation. Journal of Solid State Electrochemistry, 2016, 20, 3303-3314.	2.5	4
885	Electrochemistry of cytochrome P450 17 $\beta$ -hydroxylase/17,20-lyase (P450c17). Molecular and Cellular Endocrinology, 2017, 441, 62-67.	3.2	4
886	Limitations in Electrochemical Determination of Mass-Transport Parameters: Implications for Quantification of Electrode Kinetics Using Data Optimisation Methods. Australian Journal of Chemistry, 2017, 70, 990.	0.9	4
887	Macrocycles Bearing Ferrocenyl Pendants and their Electrochemical Properties upon Binding to Divalent Transition Metal Cations. ChemPlusChem, 2018, 83, 728-738.	2.8	4
888	Use of the TCNQF <sub>4</sub> <sup>2-</sup> Dianion in the Spontaneous Redox Formation of [Fe <sup>III</sup> (L <sup>+</sup> ) <sub>2</sub> ][TCNQF <sub>4</sub> <sup>+</sup> ]. ChemPlusChem, 2018, 83, 658-668.	2.8	4
889	Electrochemistry of TCNQF <sub>2</sub> in acetonitrile in the presence of [Cu(CH <sub>3</sub> CN) <sub>4</sub> ] <sup>+</sup> : Electrocrystallisation and characterisation of CuTCNQF <sub>2</sub> . Inorganica Chimica Acta, 2018, 480, 91-100.	2.4	4
890	Size Controllable Metal Nanoparticles Anchored on Nitrogen Doped Carbon for Electrocatalytic Energy Conversion. ChemElectroChem, 2019, 6, 1508-1513.	3.4	4
891	Electrode Material Dependence, Ion Pairing, and Progressive Increase in Complexity of the $\text{I}^-$ -[S <sub>2</sub> W <sub>18</sub> O <sub>62</sub> ] <sup>4-</sup> /5 $\text{I}^-$ /6 $\text{I}^-$ /7 $\text{I}^-$ /8 $\text{I}^-$ /9 $\text{I}^-$ /10 $\text{I}^-$ Reduction Processes in Acetonitrile Containing [ <i>i</i> -Bu <sub>4</sub> N][PF <sub>6</sub> ] as the Supporting Electrolyte. Journal of Physical Chemistry C, 2020, 124, 16032-16047.	3.1	4
892	Stabilisation of the superoxide anion in bis(fluorosulfonyl)imide (FSI) ionic liquid by small chain length phosphonium cations: Voltammetric, DFT modelling and spectroscopic perspectives. Electrochemistry Communications, 2021, 127, 107029.	4.7	4
893	Polarographic study of the selenocyanate complexes of zinc and cadmium. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1967, 15, 67-71.	0.1	3
894	Systematic examination of oxidation and surface processes for acetylenic and related steroid hormones at mercury electrodes. Langmuir, 1985, 1, 110-119.	3.5	3
895	Stability sequences of cadmium(II) and zinc(II) monohalide complexes in alcohols and binary solvent mixtures containing methanol, dimethylsulfoxide, acetonitrile and water. Inorganica Chimica Acta, 1987, 128, 105-111.	2.4	3
896	Novel oxidation processes for the methyltin compounds (CH <sub>3</sub> ) <sub>4</sub> Sn, (CH <sub>3</sub> ) <sub>3</sub> SnCl, (CH <sub>3</sub> ) <sub>2</sub> SnCl <sub>2</sub> and CH <sub>3</sub> SnCl <sub>3</sub> at mercury electrodes in dichloromethane. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1987, 227, 29-40.	0.1	3
897	Development and application of a fully automated, battery-operated, computerized field-based fluoride monitor. Analytica Chimica Acta, 1990, 237, 345-352.	5.4	3
898	Tellurium-125 nuclear magnetic resonance and electrochemical investigation of exchange and redox reactions of organotellurium(IV) dithiolate and organotellurium(II) complexes occurring in solution and at electrode surfaces. Organometallics, 1991, 10, 3310-3319.	2.3	3
899	The electrochemistry of tributyltin at mercury electrodes in aqueous media. Journal of Electroanalytical Chemistry, 1994, 365, 125-131.	3.8	3
900	The electrochemistry of monobutyltin and mixtures of butyltin compounds at mercury electrodes in aqueous media. Analytica Chimica Acta, 1995, 310, 109-119.	5.4	3

#	ARTICLE	IF	CITATIONS
901	Voltammetric study of the photolysis of fac-tricarbonyl-3-{bis[2-(diphenylphosphino)ethyl]phenylphosphine}molybdenum. Journal of the Chemical Society Perkin Transactions II, 1995, , 1327.	0.9	3
902	Voltammetric Determination of the Insect Repellent Dipropyl Pyridine-2,5-dicarboxylate in Non-aqueous Solvents. Analyst, The, 1997, 122, 1587-1591.	3.5	3
903	Lifting the lid on metatungstate. $^1\text{H}$ and $^{183}\text{W}$ NMR study of the six electron reduced anion $[(\text{H})_2\{\text{WIV}_3(\text{OH}_2)_3\}\text{WVI}_9\text{O}_{34}(\text{OH})_3]^{3-}$ . Chemical Communications, 1999, , 533-534.	4.1	3
904	Cyclic Voltammetry. , 2005, , 51-97.		3
905	Qualitative (sunlight) and quantitative (xenon light source) aspects of the photochemistry of $[\text{S}_2\text{W}_{18}\text{O}_{62}]^{4-}$ in the presence of electron donors. Inorganica Chimica Acta, 2008, 361, 1779-1783.	2.4	3
906	Electrochemical Studies of Solid Compounds and Materials. , 2010, , 223-235.		3
907	Synthesis and characterization of microstructured sheets of semiconducting $\text{Ca}[\text{TCNQ}]_2$ via redox-driven solid-solid phase transformation of TCNQ microcrystals. Journal of Solid State Electrochemistry, 2014, 18, 851-859.	2.5	3
908	A Systematic Study of the Mass Transport, Kinetic and Thermodynamic Properties of the $\text{FeIII/II}$ Process at Glassy Carbon and Boron-Doped Diamond Electrodes. Electrochimica Acta, 2017, 249, 421-430.	5.2	3
909	Electrochemical Investigation of the Oxidation of Thiosulfate by 2,3,5,6-tetrafluoro-7,8,8-tetracyanoquinodimethane and Its Anion Radical. ChemElectroChem, 2021, 8, 4762-4773.	3.4	3
910	Galvanic replacement of anions in metal-organic semiconductors: a spontaneous redox reaction between $\text{TCNQ}^{1-}$ and $\text{TCNQF}_4$ ( $\text{TCNQ} = 7,7,8,8\text{-tetracyanoquinodimethane}$ ). Materials Today Chemistry, 2022, 26, 100998.	3.5	3
911	Current-sampled polarographic techniques for the measurement of species reduced at more negative potentials than the major component. Analytica Chimica Acta, 1972, 62, 415-424.	5.4	2
912	Simultaneous measurement of the in-phase and quadrature components of the signal in a.c. polarography using multiplier circuitry. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1978, 89, 75-81.	0.1	2
913	Generation of mercury and cadmium cationic complexes from oxidation processes observed in the presence of dimethylmercury and dimethylcadmium at mercury, platinum, and glassy carbon electrodes. Organometallics, 1988, 7, 619-624.	2.3	2
914	A new approach to measurement of the donor strength and co-ordination chemistry of various solvents by oxidation of metal amalgam electrodes in dichloromethane. Journal of the Chemical Society Dalton Transactions, 1988, , 2379.	1.1	2
915	Oxidation of mercury electrodes in the presence of phenyl-mercury, -lead and -bismuth organometallic compounds in dichloromethane. Inorganica Chimica Acta, 1989, 166, 279-289.	2.4	2
916	The effect of salinity on the determination of tributyltin. Science of the Total Environment, 1992, 125, 39-45.	8.0	2
917	Characterisation of intermediates involved in the $\text{mer-W}(\text{CO})_3(\text{I}^1\text{-dpm})(\text{I}^2\text{-dpm})$ to $\text{mer-[W}(\text{CO})_2(\text{I}^2\text{-dpm})_2]^{2+}$ ( $\text{dpm} = \text{Ph}_2\text{PCH}_2\text{PPh}_2$ ) oxidation process in acetone by steady-state and fast scan voltammetry at platinum and mercury microelectrodes. Inorganica Chimica Acta, 1992, 198-200, 671-677.	2.4	2
918	Interference from Trace Copper in Electrochemical Investigations Employing Carboxylic Acid Terminated Thiol Modified Gold Electrodes. Electroanalysis, 2009, 21, 681-688.	2.9	2

#	ARTICLE	IF	CITATIONS
919	Kinetic study of $\text{I}^{2-}$ -oxide growth on Pt–Au alloys in an alkaline medium. <i>Journal of Electroanalytical Chemistry</i> , 2010, 638, 275-279.	3.8	2
920	Underpotential and overpotential electrocrystallization of semiconducting silver-tetracyanoquinodimethane onto gold substrates from an ionic liquid. <i>CrystEngComm</i> , 2011, 13, 4762.	2.6	2
921	Synthesis, Physical Properties, Structural, and Electrochemical Characterization of Methimidazolium and Imidazolium-based Tetracyanoquinodimethane Anion Radical Salts. <i>Australian Journal of Chemistry</i> , 2011, 64, 732.	0.9	2
922	Changing the Action of Iron from Stoichiometric to Electrocatalytic in the Hydrogenation of Ketones in Aqueous Acidic Media. <i>ChemSusChem</i> , 2015, 8, 3712-3717.	6.8	2
923	Structural, Spectroscopic, and Electrochemical Characterization of Semi-Conducting, Solvated $[\text{Pt}(\text{NH}_3)_4](\text{TCNQ})_2 \cdot (\text{DMF})_2$ and Non-Solvated $[\text{Pt}(\text{NH}_3)_4](\text{TCNQ})_2$ . <i>Australian Journal of Chemistry</i> , 2017, 70, 997.	0.9	2
924	Probing Electron Transfer in the Manganese–Oxide–Forming MnxEFG Protein Complex using Fourier Transformed AC Voltammetry: Understanding the Oxidative Priming Effect. <i>ChemElectroChem</i> , 2018, 5, 872-876.	3.4	2
925	Electrochemical and Chemical Synthesis of $[\text{ZnTCNQF}_4(\text{DMF})_2] \cdot 2\text{DMF}$ – A 2D Network Coordination Polymer. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2811-2818.	2.0	2
926	Systematic Approach to the Synthesis of Cobaltocenium Salts with Reduced Forms of $\text{TCNQF}_4$ : Two $[\text{Cp}_2\text{Co}](\text{TCNQF}_4)$ Polymorphs and $[\text{Cp}_2\text{Co}]\text{Li}(\text{TCNQF}_4)$ . <i>Crystal Growth and Design</i> , 2019, 19, 2712-2722.	3.0	2
927	Diverse and unexpected outcomes from oxidation of the platinum(II) anticancer agent $[\text{Pt}\{(\text{p-BrC}_6\text{F}_4)\text{NCH}_2\text{CH}_2\text{NEt}_2\}\text{Cl}(\text{py})]$ by hydrogen peroxide. <i>Journal of Inorganic Biochemistry</i> , 2021, 218, 111360.	3.5	2
928	On-line FFT faradaic admittance measurements application to a.c. cyclic voltammetry. <i>Journal of Electroanalytical Chemistry</i> (1959), 1977, 85, 231-247.	0.1	2
929	Ultra-thin Pd and CuPd Bimetallic Alloy Nanosheets for Electrochemical Reduction of $\text{CO}_2$ . <i>ChemElectroChem</i> , 2022, 9, .	3.4	2
930	Cyclic Voltammetric Experiment-Simulation Comparisons of the Complex $\text{Zr}^{4+}$ to $\text{Zr}^{0}$ Reduction Mechanism at a Molybdenum Electrode in $\text{LiF-CaF}_2$ Eutectic Molten Salt. <i>Journal of the Electrochemical Society</i> , 2022, 169, 036506.	2.9	2
931	A simple approximate calculation method for assessing the usefulness of x-y recorders in rapid-scan voltammetric techniques. <i>Analytica Chimica Acta</i> , 1974, 70, 177-187.	5.4	1
932	The electrochemistry of 2-aminoacrylic acid derivatives in acidic media as studied by background corrected pulse polarographic techniques and controlled potential electrolysis. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1987, 218, 213-226.	0.1	1
933	Micro-volume extraction for differential-pulse voltammetric determination of iron in biological materials. <i>Electroanalysis</i> , 1992, 4, 581-583.	2.9	1
934	The electrochemistry of dibutyltin at mercury electrodes in aqueous media. <i>Electroanalysis</i> , 1994, 6, 844-849.	2.9	1
935	The voltammetric reduction, deprotonation and surface activity of ruthenium photovoltaic sensitizers in acetone. <i>Electrochemistry Communications</i> , 2001, 3, 400-405.	4.7	1
936	The use of spectroelectrochemistry to probe the redox-activated ligand-exchange reactions of the complexes $\text{trans-}[\text{NBu}_4][\text{RuX}_4(\text{CNXyl})_2]$ ( $\text{X} = \text{Cl}$ or $\text{Br}$ , $\text{Xyl} = 2,6\text{-dimethylphenyl}$ ). <i>Dalton Transactions</i> RSC, 2002, , 2541-2547.	2.3	1



#	ARTICLE	IF	CITATIONS
937	The Electrochemistry of Cytochrome P450. , 2007, , 127-155.		1
938	A Combined Voltammetric and Synchrotron Radiation-Grazing Incidence X-ray Diffraction Study of the Electrocrystallization of Zinc Tetracyanoquinodimethane. Australian Journal of Chemistry, 2012, 65, 236.	0.9	1
939	Novel Semiconducting Biomaterials Derived from a Proline Ester and Tetracyanoquinodimethane Identified by Handpicked Selection of Individual Crystals. Australian Journal of Chemistry, 2012, 65, 935.	0.9	1
940	Quantifying the Effects of Not Stirring between Repetitive Chronoamperometric Experiments. Analytical Chemistry, 2013, 85, 843-845.	6.5	1
941	Electroanalytical Applications of Semiintegral and Convolution Voltammetry in Room-Temperature Ionic Liquids. , 2015, , 143-167.		1
942	Transformation of Cadmium Tetracyanoquinodimethane (TCNQ) into a Cadmium Terephthalate Metal-Organic Framework. Australian Journal of Chemistry, 2017, 70, 973.	0.9	1
943	Voltammetric, Spectroscopic, and Microscopic Investigation of the Oxidation of Solid and Solution Phases of Tetrathiafulvalene (TTF) to (TTF) 2 MO 4 (M=Mo, W). ChemElectroChem, 2018, 5, 885-896.	3.4	1
944	Variation of Carbon Based Materials on the Electropolymerization of Tyramine. Electroanalysis, 2018, 30, 1545-1555.	2.9	1
945	A Systematic (Spectro- Electrochemical Approach to the Synthesis and Characterisation of Co(II) and Ni(II) Compounds Containing Reduced Forms of TCNQF. ChemElectroChem, 2019, 6, 221-228.	3.4	1
946	Antwort auf den Kommentar zu "Stabilisierung eines niedrigvalenten Eisen(I)-Ions in einem hochvalentem molekularen Vanadium(V) Oxid-Cluster". Angewandte Chemie, 2019, 131, 10151-10153.	2.0	1
947	Identification of Mechanistic Subtleties that Apply to Voltammetric Studies at Boron-Doped Diamond Electrodes. Journal of Physical Chemistry C, 2020, 124, 24232-24244.	3.1	1
948	Modeling the Influence of Low Concentrations of Water on the Thermodynamics, Electron Transfer Kinetics, and Diffusivity of the [Ru(CN)6]4- Process in Propylene Carbonate. Journal of Physical Chemistry C, 2020, 124, 13726-13738.	3.1	1
949	Adsorptive Stripping Voltammetric Determination of Germanium in Zinc Plant Electrolyte. , 1998, 10, 387.		1
950	Electron Delocalization in Spectroelectrochemically and Computationally Characterized [Pt{(p-BrC6F4)2NCH2C(Cl)NEt2}Cl(py)]+ Formed by Electrochemical Oxidation of [PtII{(p-BrC6F4)2NCH2C(Cl)NEt2}Cl(py)]. Inorganic Chemistry, 2021, 60, 18899-18911.	4.0	1
951	Polarographic modes capable of discriminating between reversible irreversible processes. Journal of Electroanalytical Chemistry, 1994, 370, 119-127.	3.8	0
952	Electronic Properties of Modified Surfaces Using Contact and Non-Contact Scanning Probe Microscopy Techniques and SECM.. Materials Research Society Symposia Proceedings, 2004, 838, 121.	0.1	0
953	Practical Considerations Associated with Voltammetric Studies in Room Temperature Ionic Liquids. ChemInform, 2005, 36, no.	0.0	0
954	Keith Oldham: a tribute on the occasion of his 80th birthday. Journal of Solid State Electrochemistry, 2009, 13, 507-508.	2.5	0

#	ARTICLE	IF	CITATIONS
955	Superior electrochemical platforms based on polymer carbon nanotube composite electrodes. , 2010, ,		0
956	Voltammetry of Adhered Microparticles in Contact with Ionic Liquids: Principles and Applications. , 2015, , 405-433.		0
957	Electrochemically Directed Synthesis of Cobalt(II) and Nickel(II) TCNQF <sub>2</sub> Coordination Polymers: Solubility and Substituent Effects in the TCNQF <sub>n</sub> (n=0, 1, 2, 4) Series of Complexes. Australian Journal of Chemistry, 2020, 73, 1197.	0.9	0
958	Influence of oxygen and sulphur donor atoms on the electrochemistry of bis-chelates of nickel(II). Journal of Electroanalytical Chemistry (1959), 1976, 72, 187-196.	0.1	0