

# Alan Maxwell Bond

## List of Publications by Year in descending order

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957  
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29,942  
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10373

72  
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24961

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980  
docs citations

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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	10.7	1074
2	Hybrid polyoxometalate materials for photo(electro-) chemical applications. Coordination Chemistry Reviews, 2016, 306, 217-234.	9.5	314
3	Voltammetry in Room Temperature Ionic Liquids: Comparisons and Contrasts with Conventional Electrochemical Solvents.. Chemistry - an Asian Journal, 2010, 5, 202-230.	1.7	280
4	Electrochemistry in organic solvents without supporting electrolyte using platinum microelectrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1984, 168, 299-312.	0.3	264
5	Electrochemistry of Room Temperature Protic Ionic Liquids. Journal of Physical Chemistry B, 2008, 112, 6923-6936.	1.2	254
6	Steady-state voltammetry. Analytica Chimica Acta, 1989, 216, 177-230.	2.6	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.	15.6	230
8	Covalent modification of carbon electrodes for voltammetric differentiation of dopamine and ascorbic acid. Analytica Chimica Acta, 1995, 317, 303-310.	2.6	202
9	The dynamic role of bone morphogenetic proteins in neural stem cell fate and maturation. Developmental Neurobiology, 2012, 72, 1068-1084.	1.5	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.	0.3	195
11	Past, present and future contributions of microelectrodes to analytical studies employing voltammetric detection. A review. Analyst, The, 1994, 119, 1R.	1.7	192
12	Changing the Look of Voltammetry. Analytical Chemistry, 2005, 77, 186 A-195 A.	3.2	184
13	Electrochemistry and redox behaviour of transition metal dithiocarbamates. Coordination Chemistry Reviews, 1984, 54, 23-98.	9.5	178
14	Practical considerations associated with voltammetric studies in room temperature ionic liquids. Analyst, The, 2005, 130, 1132.	1.7	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.	0.5	159
17	Reference Potential Calibration and Voltammetry at Macrodisk Electrodes of Metallocene Derivatives in the Ionic Liquid [bmim][PF6]. Analytical Chemistry, 2002, 74, 3151-3156.	3.2	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.	3.2	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.	0.3	149
20	The initiation mechanism of corrosion of zinc by sodium chloride particle deposition. <i>Corrosion Science</i> , 2002, 44, 555-572.	3.0	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.	5.2	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.	7.2	141
23	Electroanalytical voltammetry in flowing solutions. <i>Analytica Chimica Acta</i> , 1986, 180, 187-250.	2.6	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.	3.2	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> ·10H <sub>2</sub> O for highly efficient electrocatalytic water oxidation. <i>Energy and Environmental Science</i> , 2013, 6, 2654.	15.6	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.	6.6	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.	3.2	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.	2.6	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.	3.2	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.	6.6	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.	0.3	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.	7.2	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.	3.2	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.	2.6	106

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37	Phase, Morphology, and Particle Size Changes Associated with the Solid-Solid Electrochemical Interconversion of TCNQ and Semiconducting CuTCNQ (TCNQ = Tetracyanoquinodimethane). <i>Chemistry of Materials</i> , 2003, 15, 3573-3585.	3.2	106
38	Redox Activity and Two-Step Valence Tautomerism in a Family of Dinuclear Cobalt Complexes with a Spiroconjugated Bis(dioxolene) Ligand. <i>Journal of the American Chemical Society</i> , 2013, 135, 8304-8323.	6.6	102
39	Voltammetric Determination of the Iodide/Iodine Formal Potential and Triiodide Stability Constant in Conventional and Ionic Liquid Media. <i>Journal of Physical Chemistry C</i> , 2015, 119, 22392-22403.	1.5	102
40	Is the Imidazolium Cation a Unique Promoter for Electrocatalytic Reduction of Carbon Dioxide?. <i>Journal of Physical Chemistry C</i> , 2016, 120, 23989-24001.	1.5	100
41	Microelectrode studies without supporting electrolyte: Model and experimental comparison for singly and multiply charged ions. <i>Journal of Electroanalytical Chemistry</i> , 1992, 331, 877-895.	1.9	98
42	Preparation of Metal-TCNQ Charge-Transfer Complexes on Conducting and Insulating Surfaces by Photocrystallization. <i>Journal of the American Chemical Society</i> , 2007, 129, 2066-2073.	6.6	98
43	The use of platinum microelectrodes for electrochemical investigations in low temperature glasses of non-aqueous solvents. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1984, 180, 257-263.	0.3	97
44	Voltammetry at linear gold and platinum microelectrode arrays produced by lithographic techniques. <i>Analytical Chemistry</i> , 1985, 57, 2764-2770.	3.2	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. <i>Journal of Electroanalytical Chemistry</i> , 1994, 372, 125-135.	1.9	97
46	Stripping voltammetric determination of selenium in biological materials by direct calibration. <i>Analytical Chemistry</i> , 1983, 55, 2076-2082.	3.2	95
47	Electrocatalytic carbon dioxide reduction: from fundamental principles to catalyst design. <i>Materials Today Advances</i> , 2020, 7, 100074.	2.5	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. <i>Analytical Chemistry</i> , 2000, 72, 3492-3496.	3.2	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. <i>The Journal of Physical Chemistry</i> , 1989, 93, 6485-6493.	2.9	93
50	Kinetic parameters from steady-state voltammograms at microdisc electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989, 270, 79-101.	0.3	93
51	An inexpensive and renewable pencil electrode for use in field-based stripping voltammetry. <i>Analytica Chimica Acta</i> , 1997, 345, 67-74.	2.6	93
52	Cyclic voltammetry at microelectrodes in the absence of added electrolyte using a platinum quasi-reference electrode. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1986, 199, 285-295.	0.3	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. <i>Inorganic Chemistry</i> , 1986, 25, 4507-4514.	1.9	88
54	Simultaneous determination of free sulfide and cyanide by ion chromatography with electrochemical detection. <i>Analytical Chemistry</i> , 1982, 54, 582-585.	3.2	87

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55	The relationship between the electrochemistry and the crystallography of microcrystals. The case of TCNQ (7,7,8,8-tetracyanoquinodimethane). <i>Analyst</i> , 1998, 123, 1891-1904.	1.7	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. <i>Journal of Electroanalytical Chemistry</i> , 2000, 480, 133-149.	1.9	85
57	Voltammetric Studies on the Reduction of Polyoxometalate Anions in Ionic Liquids. <i>Inorganic Chemistry</i> , 2005, 44, 5123-5132.	1.9	83
58	Sustained Water Oxidation by $[Mn_4O_4]^{7+}$ Core Complexes Inspired by Oxygenic Photosynthesis. <i>Inorganic Chemistry</i> , 2009, 48, 7269-7279.	1.9	83
59	Chemical and electrochemical approaches to the investigation of redox reactions of simple electron transfer metalloproteins. <i>Inorganica Chimica Acta</i> , 1994, 226, 293-340.	1.2	82
60	Synthesis and Redox Characterization of the Polyoxo Anion, $[SiW_{18}O_{62}]^{4-}$ : A Unique Fast Oxidation Pathway Determines the Characteristic Reversible Electrochemical Behavior of Polyoxometalate Anions in Acidic Media. <i>Inorganic Chemistry</i> , 2001, 40, 703-709.	1.9	82
61	Assessment of differential-pulse adsorption voltammetry for the simultaneous determination of nickel and cobalt in biological materials. <i>Analytica Chimica Acta</i> , 1984, 164, 181-194.	2.6	81
62	Electrooxidation of Ethanol and Methanol Using the Molecular Catalyst $[Ru_4O_4(OH)_2(H_2O)_4](SiW_{10}O_{36})^{3-}$ . <i>Journal of the American Chemical Society</i> , 2016, 138, 2617-2628.	6.6	81
63	Mechanistic understanding of the electrocatalytic CO <sub>2</sub> reduction reaction – New developments based on advanced instrumental techniques. <i>Nano Today</i> , 2020, 31, 100835.	6.2	80
64	Fourier Transform Large-Amplitude Alternating Current Cyclic Voltammetry of Surface-Bound Azurin. <i>Analytical Chemistry</i> , 2004, 76, 166-177.	3.2	78
65	Electrochemistry of macrobicyclic (hexamine)cobalt(III) complexes. 1. Metal-centered and substituent reductions. <i>Inorganic Chemistry</i> , 1983, 22, 2010-2021.	1.9	77
66	Liquid chromatography with electrochemical and or spectrophotometric detection for automated determination of lead, cadmium, mercury, cobalt, nickel and copper. <i>Analytical Chemistry</i> , 1984, 56, 2085-2090.	3.2	75
67	Multielement determination in biological materials by differential pulse voltammetry. <i>Analytical Chemistry</i> , 1985, 57, 1386-1390.	3.2	75
68	Tuning the Electrocrystallization Parameters of Semiconducting Co[TCNQ] <sub>2</sub> -Based Materials To Yield either Single Nanowires or Crystalline Thin Films. <i>Journal of the American Chemical Society</i> , 2007, 129, 2369-2382.	6.6	75
69	Electrochemical Reduction of Carbon Dioxide in a Monoethanolamine Capture Medium. <i>ChemSusChem</i> , 2017, 10, 4109-4118.	3.6	75
70	Determination of Water in Room Temperature Ionic Liquids by Cathodic Stripping Voltammetry at a Gold Electrode. <i>Analytical Chemistry</i> , 2012, 84, 2784-2791.	3.2	74
71	Resistance, Capacitance, and Electrode Kinetic Effects in Fourier-Transformed Large-Amplitude Sinusoidal Voltammetry: Emergence of Powerful and Intuitively Obvious Tools for Recognition of Patterns of Behavior. <i>Analytical Chemistry</i> , 2004, 76, 6214-6228.	3.2	73
72	Electrochemical investigations of isomerism in manganese and Group (VI) dicarbonyl-bis [1,2-bis(diphenylphosphino)ethane] complexes. <i>Inorganic Chemistry</i> , 1974, 13, 1617-1623.	1.9	72

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73	Near-steady-state cyclic voltammetry at microelectrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989, 263, 1-21.	0.3	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.	6.6	72
75	How long does it take a microelectrode to reach a voltammetric steady state?. <i>Analytical Chemistry</i> , 1990, 62, 37-45.	3.2	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.	6.6	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.	6.6	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.	6.6	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.	1.7	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.	3.2	68
82	Mercury(II) Immobilized on Carbon Nanotubes: Synthesis, Characterization, and Redox Properties. <i>Langmuir</i> , 2000, 16, 6004-6012.	1.6	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.	3.2	67
84	Large-Amplitude Fourier Transformed High-Harmonic Alternating Current Cyclic Voltammetry: Kinetic Discrimination of Interfering Faradaic Processes at Glassy Carbon and at Boron-Doped Diamond Electrodes. <i>Analytical Chemistry</i> , 2004, 76, 3619-3629.	3.2	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.	3.2	66
86	Chemical and electrochemical studies of tricarbonyl derivatives of manganese and rhenium. <i>Inorganic Chemistry</i> , 1978, 17, 2842-2847.	1.9	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.	0.3	66
88	Voltammetric Determination of the Reversible Redox Potential for the Oxidation of the Highly Surface Active Polypyridyl Ruthenium Photovoltaic Sensitizer cis-[Ru(II)(bpy) <sub>3</sub> ] <sup>2+</sup> . <i>Journal of Electrochemical Society</i> , 1999, 146, 648-656.	1.9	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.	1.7	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.	2.5	66

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91	Electrochemical and photochemical routes to semiconducting transition metal-tetracyanoquinodimethane coordination polymers. <i>Coordination Chemistry Reviews</i> , 2014, 268, 101-142.	9.5	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.	2.3	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.	10.8	66
94	Automated determination of nickel and copper by liquid chromatography with electrochemical and spectrophotometric detection. <i>Analytical Chemistry</i> , 1983, 55, 718-723.	3.2	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.	16.1	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 50 500 T Electrodes. <i>Journal of the American Chemical Society</i> , 2000, 122, 130-142.	6.6	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.	1.9	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.	1.6	64
100	Characterization and electrochemical behavior of Group VI dicarbonylbis(diphenylphosphino)methane complexes. <i>Inorganic Chemistry</i> , 1975, 14, 274-278.	1.9	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.	6.6	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.	1.6	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.	0.3	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.	3.2	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.	2.6	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.	3.2	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.	1.2	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.	3.2	62

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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.	6.6	62
110	Determination of fluoride by atomic absorption spectrometry. <i>Analytical Chemistry</i> , 1968, 40, 560-563.	3.2	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.	6.6	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.	1.9	61
113	Stannate derived bimetallic nanoparticles for electrocatalytic CO <sub>2</sub> reduction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7851-7858.	5.2	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.	1.7	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.	5.5	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.	1.9	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.	1.9	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.	1.9	59
119	A critical assessment of electrochemistry in a distillable room temperature ionic liquid, DIMCARB. <i>Green Chemistry</i> , 2006, 8, 161-171.	4.6	59
120	Physical and Electrochemical Properties of Thioether-Functionalized Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11222-11231.	1.2	59
121	Macrobicyclic (hexaamine)platinum(IV) complexes: synthesis, characterization, and electrochemistry. <i>Journal of the American Chemical Society</i> , 1983, 105, 4652-4661.	6.6	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.	3.2	58
123	A Role for Electrospray Mass Spectrometry in Electrochemical Studies. <i>Analytical Chemistry</i> , 1995, 67, 1691-1695.	3.2	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.	1.3	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>5-</sup> / <sub>5</sub> <sup>6-</sup> / <sub>6</sub> <sup>7-</sup> . <i>Chemistry - A European Journal</i> , 2006, 12, 8472-8483.	1.7	58
126	Extraction of Copper(II) Ions from Aqueous Solutions with a Methimazole-Based Ionic Liquid. <i>Analytical Chemistry</i> , 2010, 82, 7691-7698.	3.2	58



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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.	6.6	57
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725	Voltammetric, Specular Reflectance Infrared, and X-ray Electron Probe Characterization of Redox and Isomerization Processes Associated with the [Mn(CO) <sub>2</sub> ( $\frac{1}{3}$ -P2Pâ€²)Br] <sup>+0</sup> (P2Pâ€² = {Ph <sub>2</sub> P(CH <sub>2</sub> ) <sub>2</sub> 2PPh), [Mn(CO) <sub>2</sub> ( $\frac{1}{3}$ -P3Pâ€²)Br] <sup>+0</sup> (P3Pâ€² = {Ph <sub>2</sub> PCH <sub>2</sub> } <sub>3</sub> P), and [Mn(CO) <sub>2</sub> ( $\frac{1}{2}$ -dpe)Br] <sub>2</sub> ( $\frac{1}{4}$ -dpe)] <sub>2</sub> / <sup>+0</sup> (dpe =) <i>Tj ETQq1</i> 1.1 0.784314 rgBT /C	1.1	10
726	Determination of antimony(III) and antimony(V) in copper plant electrolyte by anodic stripping voltammetry. <i>Electroanalysis</i> , 1997, 9, 681-684.	1.5	10
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