

Alan Maxwell Bond

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956 papers	24,753 citations	65 h-index	98 g-index
978 ext. papers	26,548 ext. citations	5.9 avg, IF	6.98 L-index

#	Paper	IF	Citations
956	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 Report). <i>Pure and Applied Chemistry</i> , 1997 , 69, 297-328	2.1	563
955	Voltammetry in room temperature ionic liquids: comparisons and contrasts with conventional electrochemical solvents. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 202-30	4.5	259
954	Hybrid polyoxometalate materials for photo(electro-) chemical applications. <i>Coordination Chemistry Reviews</i> , 2016 , 306, 217-234	23.2	253
953	Electrochemistry of room temperature protic ionic liquids. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 6923-36	3.4	233
952	Steady-state voltammetry. <i>Analytica Chimica Acta</i> , 1989 , 216, 177-230	6.6	212
951	Electrochemistry in organic solvents without supporting electrolyte using platinum microelectrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1984 , 168, 299-312		185
950	Covalent modification of carbon electrodes for voltammetric differentiation of dopamine and ascorbic acid. <i>Analytica Chimica Acta</i> , 1995 , 317, 303-310	6.6	174
949	Changing the look of voltammetry. Can FT revolutionize voltammetric techniques as it did for NMR?. <i>Analytical Chemistry</i> , 2005 , 77, 186A-195A	7.8	170
948	A comparison of the chronoamperometric response at inlaid and recessed disc microelectrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988 , 249, 1-14		170
947	Past, present and future contributions of microelectrodes to analytical studies employing voltammetric detection. A review. <i>Analyst, The</i> , 1994 , 119, 1R	5	167
946	Electrochemistry and redox behaviour of transition metal dithiocarbamates. <i>Coordination Chemistry Reviews</i> , 1984 , 54, 23-98	23.2	158
945	Practical considerations associated with voltammetric studies in room temperature ionic liquids. <i>Analyst, The</i> , 2005 , 130, 1132-47	5	153
944	Spectroscopy of Naphthalene Diimides and Their Anion Radicals. <i>Australian Journal of Chemistry</i> , 2004 , 57, 1011	1.2	141
943	Reference potential calibration and voltammetry at macrodisk electrodes of metallocene derivatives in the ionic liquid [bmim][PF ₆]. <i>Analytical Chemistry</i> , 2002 , 74, 3151-6	7.8	141
942	The dynamic role of bone morphogenetic proteins in neural stem cell fate and maturation. <i>Developmental Neurobiology</i> , 2012 , 72, 1068-84	3.2	139
941	Electrochemical Study of Microcrystalline Solid Prussian Blue Particles Mechanically Attached to Graphite and Gold Electrodes: Electrochemically Induced Lattice Reconstruction. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 2096-2103		139
940	Formation of lattice-dislocated bismuth nanowires on copper foam for enhanced electrocatalytic CO ₂ reduction at low overpotential. <i>Energy and Environmental Science</i> , 2019 , 12, 1334-1340	35.4	137

939	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		132
938	The initiation mechanism of corrosion of zinc by sodium chloride particle deposition. <i>Corrosion Science</i> , 2002 , 44, 555-572	6.8	125
937	A fast electron transfer rate for the oxidation of ferrocene in acetonitrile or dichloromethane at platinum disk ultramicroelectrodes. <i>Analytical Chemistry</i> , 1988 , 60, 1878-1882	7.8	124
936	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, 2694-702	7.8	113
935	Graphene-supported $[\{\text{Ru}_4\text{O}_4(\text{OH})_2(\text{H}_2\text{O})_4\}(\text{SiW}_{10}\text{O}_{36})_2]_{10}$ for highly efficient electrocatalytic water oxidation. <i>Energy and Environmental Science</i> , 2013 , 6, 2654	35.4	109
934	Electroanalytical voltammetry in flowing solutions. <i>Analytica Chimica Acta</i> , 1986 , 180, 187-250	6.6	107
933	Capture of periodate in a $\{\text{W}_{18}\text{O}_{54}\}$ cluster cage yielding a catalytically active polyoxometalate $[\text{H}_3\text{W}_{18}\text{O}_{56}(\text{IO}_6)]_6^-$ embedded with high-valent iodine. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4384-7	16.4	104
932	Electrochemical investigation of photooxidation processes promoted by sulfo-polyoxometalates: coupling of photochemical and electrochemical processes into an effective catalytic cycle. <i>Journal of the American Chemical Society</i> , 2003 , 125, 10133-43	16.4	102
931	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		100
930	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	16.4	99
929	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	9.6	98
928	Utilization of nanoparticle labels for signal amplification in ultrasensitive electrochemical affinity biosensors: a review. <i>Analytica Chimica Acta</i> , 2013 , 797, 1-12	6.6	96
927	Controllable Synthesis of Few-Layer Bismuth Subcarbonate by Electrochemical Exfoliation for Enhanced CO Reduction Performance. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13283-13287	16.4	95
926	Electrochemical reduction of CO ₂ on defect-rich Bi derived from Bi ₂ S ₃ with enhanced formate selectivity. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4714-4720	13	93
925	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		93
924	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	7.8	93
923	Preparation of metal-TCNQ charge-transfer complexes on conducting and insulating surfaces by photocrystallization. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2066-73	16.4	91
922	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	7.8	90

921	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, 3492-6	7.8	89
920	Electrochemical oxidation of l-cysteine mediated by a fullerene-C60-modified carbon electrode. <i>Analytica Chimica Acta</i> , 2003 , 491, 181-191	6.6	88
919	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		87
918	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	4.1	86
917	Voltammetric measurements using microelectrodes in highly dilute solutions. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1984 , 172, 11-25		86
916	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, 8304-23	16.4	84
915	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	4.1	83
914	Kinetic parameters from steady-state voltammograms at microdisc electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989 , 270, 79-101		82
913	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		80
912	The relationship between the electrochemistry and the crystallography of microcrystals. The case of TCNQ (7,7,8,8-tetracyanoquinodimethane) <i>Analyst, The</i> , 1998 , 123, 1891-1904	5	79
911	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	5.1	79
910	Sustained water oxidation by [Mn4O4]7+ core complexes inspired by oxygenic photosynthesis. <i>Inorganic Chemistry</i> , 2009 , 48, 7269-79	5.1	78
909	An inexpensive and renewable pencil electrode for use in field-based stripping voltammetry. <i>Analytica Chimica Acta</i> , 1997 , 345, 67-74	6.6	78
908	Voltammetric studies on the reduction of polyoxometalate anions in ionic liquids. <i>Inorganic Chemistry</i> , 2005 , 44, 5123-32	5.1	78
907	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	4.1	76
906	Is the Imidazolium Cation a Unique Promoter for Electrocatalytic Reduction of Carbon Dioxide?. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 23989-24001	3.8	76
905	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	3.8	75
904	Synthesis and redox characterization of the polyoxo anion, gamma*-[S2W18O62]4-: a unique fast oxidation pathway determines the characteristic reversible electrochemical behavior of polyoxometalate anions in acidic media. <i>Inorganic Chemistry</i> , 2001 , 40, 703-9	5.1	74

903	Tuning the electrocrystallization parameters of semiconducting Co[TCNQ]2-based materials to yield either single nanowires or crystalline thin films. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2369-82	16.4	73
902	Voltammetry at linear gold and platinum microelectrode arrays produced by lithographic techniques. <i>Analytical Chemistry</i> , 1985 , 57, 2764-2770	7.8	73
901	Fourier Transform Large-Amplitude Alternating Current Cyclic Voltammetry of Surface-Bound Azurin. <i>Analytical Chemistry</i> , 2004 , 76, 166-177	7.8	72
900	Stripping voltammetric determination of selenium in biological materials by direct calibration. <i>Analytical Chemistry</i> , 1983 , 55, 2076-82	7.8	72
899	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		72
898	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	7.8	72
897	Chemical and electrochemical approaches to the investigation of redox reactions of simple electron transfer metalloproteins. <i>Inorganica Chimica Acta</i> , 1994 , 226, 293-340	2.7	71
896	Determination of water in room temperature ionic liquids by cathodic stripping voltammetry at a gold electrode. <i>Analytical Chemistry</i> , 2012 , 84, 2784-91	7.8	70
895	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, 13846-53	16.4	70
894	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, 6214-28	7.8	69
893	Photoinduced oxidation of water to oxygen in the ionic liquid BMIMBF4 as the counter reaction in the fabrication of exceptionally long semiconducting silver-tetracyanoquinodimethane nanowires. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4279-87	16.4	68
892	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		65
891	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, 3619-29	7.8	65
890	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, 7976-89	16.4	64
889	Near-steady-state cyclic voltammetry at microelectrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989 , 263, 1-21		63
888	Aluminium speciation in 1-butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)amide/AlCl3 mixtures. <i>Chemistry - A European Journal</i> , 2009 , 15, 3435-47	4.8	62
887	Photophysical and novel charge-transfer properties of adducts between [RuII(bpy)3]2+ and [S2Mo18O62]4-. <i>Inorganic Chemistry</i> , 2003 , 42, 7897-905	5.1	62
886	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	5.1	62

- 885 Electrooxidation of Ethanol and Methanol Using the Molecular Catalyst $[\{\text{Ru}4\text{O}_4(\text{OH})_2(\text{H}_2\text{O})_4\}(\text{SiW}_{10}\text{O}_{36})_2](10.)$. *Journal of the American Chemical Society*, **2016**, 138, 2617-28 16.4 61
- 884 Ionic-liquid-mediated active-site control of MoS_2 for the electrocatalytic hydrogen evolution reaction. *Chemistry - A European Journal*, **2012**, 18, 8230-9 4.8 61
- 883 Mercury(II) Immobilized on Carbon Nanotubes: Synthesis, Characterization, and Redox Properties. *Langmuir*, **2000**, 16, 6004-6012 4 61
- 882 How long does it take a microelectrode to reach a voltammetric steady state?. *Analytical Chemistry*, **1990**, 62, 37-45 7.8 61
- 881 Electrochemistry of macrobicyclic (hexamine)cobalt(III) complexes. 1. Metal-centered and substituent reductions. *Inorganic Chemistry*, **1983**, 22, 2010-2021 5.1 61
- 880 Simultaneous determination of free sulfide and cyanide by ion chromatography with electrochemical detection. *Analytical Chemistry*, **1982**, 54, 582-585 7.8 61
- 879 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. *Analytical Chemistry*, **2007**, 79, 2276-88 7.8 60
- 878 Voltammetry, electron microscopy, and x-ray electron probe microanalysis at the electrode-aqueous electrolyte interface of solid microcrystalline cis- and trans- $\text{Cr}(\text{CO})_2(\text{dpe})_2$ and trans- $[\text{Cr}(\text{CO})_2(\text{dpe})_2]^+$ complexes (dpe = $\text{Ph}_2\text{PCH}_2\text{CH}_2\text{PPh}_2$) mechanically attached to carbon nanotubes. *Journal of the American Chemical Society*, **2008**, 130, 12751-12758 16.4 59
- 877 Study of the underlying electrochemistry of polycrystalline gold electrodes in aqueous solution and electrocatalysis by large amplitude fourier transformed alternating current voltammetry. *Langmuir*, **2008**, 24, 2856-68 4 58
- 876 Voltammetric Determination of the Reversible Redox Potential for the Oxidation of the Highly Surface Active Polypyridyl Ruthenium Photovoltaic Sensitizer cis - $\text{Ru}(\text{II})(\text{dcbpy})_2(\text{NCS})_2$. *Journal of the Electrochemical Society*, **1999**, 146, 648-656 3.9 58
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- 874 Assessment of differential-pulse adsorption voltammetry for the simultaneous determination of nickel and cobalt in biological materials. *Analytica Chimica Acta*, **1984**, 164, 181-194 6.6 58
- 873 Experimental and Theoretical Investigations of the Effect of Deprotonation on Electronic Spectra and Reversible Potentials of Photovoltaic Sensitizers: Deprotonation of cis- L_2RuX_2 (L = 2,2'-Bipyridine-4,4'-dicarboxylic Acid; X = CN^- , NCS^-) by Electrochemical Reduction at Platinum Electrodes. *Journal of the American Chemical Society*, **2000**, 122, 130-142 16.4 57
- 872 Theory of square-wave stripping voltammetry and chronoamperometry of immobilized reactants. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1991**, 319, 1-18 57
- 871 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. *Langmuir*, **1991**, 7, 3197-3204 4 57
- 870 An integrated instrumental and theoretical approach to quantitative electrode kinetic studies based on large amplitude Fourier transformed a.c. voltammetry: A mini review. *Electrochemistry Communications*, **2015**, 57, 78-83 5.1 56
- 869 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. *Journal of the Electrochemical Society*, **2005**, 152, C577 3.9 56
- 868 Chemical and electrochemical studies of tricarbonyl derivatives of manganese and rhenium. *Inorganic Chemistry*, **1978**, 17, 2842-2847 5.1 56

867	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	16.4	55
866	Characterization and electrochemical behavior of Group VI dicarbonylbis(diphenylphosphino)methane complexes. <i>Inorganic Chemistry</i> , 1975 , 14, 274-278	5.1	55
865	Electrochemical and photochemical routes to semiconducting transition metal-tetracyanoquinodimethane coordination polymers. <i>Coordination Chemistry Reviews</i> , 2014 , 268, 101-142	23.2	54
864	Physical and electrochemical properties of thioether-functionalized ionic liquids. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 11222-31	3.4	54
863	Multielement determination in biological materials by differential pulse voltammetry. <i>Analytical Chemistry</i> , 1985 , 57, 1386-90	7.8	54
862	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	7.8	54
861	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, 7557-72	5.1	53
860	Extraction of copper(II) ions from aqueous solutions with a methimazole-based ionic liquid. <i>Analytical Chemistry</i> , 2010 , 82, 7691-8	7.8	53
859	A critical assessment of electrochemistry in a distillable room temperature ionic liquid, DIMCARB. <i>Green Chemistry</i> , 2006 , 8, 161-171	10	53
858	Sensitization of photo-reduction of the polyoxometalate anions $[S(2)M(18)O(62)](4-)$ (M = Mo, W) in the visible spectral region by the $[Ru(bpy)(3)](2+)$ cation. <i>Dalton Transactions</i> , 2006 , 4218-27	4.3	53
857	A Role for Electrospray Mass Spectrometry in Electrochemical Studies. <i>Analytical Chemistry</i> , 1995 , 67, 1691-1695	7.8	53
856	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, 2083-90	7.8	53
855	Modification and implications of changes in electrochemical responses encountered when undertaking deoxygenation in ionic liquids. <i>Analytical Chemistry</i> , 2010 , 82, 3856-61	7.8	52
854	Microcomputer-based instrumentation for multi-frequency Fourier transform alternating current (admittance and impedance) voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 1997 , 437, 1-15	4.1	52
853	The transient nature of the diffusion controlled component of the electrochemistry of cytochrome c at bare gold electrodes: an explanation based on a self-blocking mechanism. <i>Journal of Electroanalytical Chemistry</i> , 1997 , 436, 17-25	4.1	52
852	Understanding differences between high- and low-price hospitals: implications for efforts to rein in costs. <i>Health Affairs</i> , 2014 , 33, 324-31	7	51
851	Enhanced photocurrent production from thin films of Ru(II) metallopolymer/Dawson polyoxotungstate adducts under visible irradiation. <i>Chemical Communications</i> , 2012 , 48, 3593-5	5.8	51
850	Electrochemical Studies on the Modular Podand 1,3,5-Tris((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	3.4	51

- 849 Microelectrode studies in the absence of deliberately added supporting electrolyte: solvent dependence for a neutral and singly charged species. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1991**, 315, 143-160 51
- 848 An electrochemical study of the substitution and decomposition reactions of (arene)tricarbonylchromium radical cations. *Journal of the American Chemical Society*, **1988**, 110, 2109-2116 16.4 51
- 847 Fundamental and second harmonic alternating current cyclic voltammetric theory and experimental results for simple electrode reactions involving solution-soluble redox couples. *Analytical Chemistry*, **1976**, 48, 872-883 7.8 51
- 846 Paramagnetic organometallic molecules. 4. Electrochemical investigation of the iron group carbonyls and their phosphine-substituted derivatives. *Inorganic Chemistry*, **1977**, 16, 2199-2206 5.1 51
- 845 Highly selective and sensitive DNA assay based on electrocatalytic oxidation of ferrocene bearing zinc(II)-cyclen complexes with diethylamine. *Journal of the American Chemical Society*, **2010**, 132, 10053-63 16.4 50
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- 841 Experimental and theoretical investigations of the sulfite-based polyoxometalate cluster redox series: alpha- and beta-[Mo(18)O(54)(SO(3))(2)](4-/5-/6-). *Chemistry - A European Journal*, **2006**, 12, 8472-83 4.8 50
- 840 Voltammetric Reduction of alpha- and gamma-[S2W18O62]4- and alpha-, beta-, and gamma-[SiW12O40]4-: isomeric dependence of reversible potentials of polyoxometalate anions using data obtained by novel dissolution and conventional solution-phase processes. *Inorganic Chemistry*, **2004**, 43, 8263-71 5.1 50
- 839 Achievement of near-reversible behavior for the. *Analytical Chemistry*, **2000**, 72, 3486-91 7.8 50
- 838 Photophysics of Ion Clusters Formed between [Ru(bpy)3]2+ and the Polyoxotungstate Anion [S2W18O62]4-. *Journal of Physical Chemistry A*, **2004**, 108, 7399-7405 2.8 49
- 837 Ion selectivity obtained under voltammetric conditions when a TCNQ chemically modified electrode is presented with aqueous solutions containing tetraalkylammonium cations. *Analyst, The*, **2003**, 128, 1386-90 5 49
- 836 Simplifying the evaluation of graphene modified electrode performance using rotating disk electrode voltammetry. *Langmuir*, **2012**, 28, 5275-85 4 48
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- 834 A green heteropoly blue: isolation of a stable, odd oxidation level in a Dawson molybdate anion, [S2Mo18O62]5-. *Inorganic Chemistry*, **1993**, 32, 2416-2420 5.1 48
- 833 Macrobicyclic (hexamine)platinum(IV) complexes: synthesis, characterization, and electrochemistry. *Journal of the American Chemical Society*, **1983**, 105, 4652-4661 16.4 48
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831	Coupled Electron- and Proton-Transfer Processes in the Reduction of $[P(2)W(18)O(62)](6-)$ and $[H(2)W(12)O(40)](6-)$ As Revealed by Simulation of Cyclic Voltammograms. <i>Analytical Chemistry</i> , 1999 , 71, 3650-6	7.8	47
830	Amperometric detection of picomole samples in a microdisk electrochemical flow-jet cell with dilute supporting electrolyte. <i>Analytical Chemistry</i> , 1986 , 58, 2859-2863	7.8	47
829	Stannate derived bimetallic nanoparticles for electrocatalytic CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7851-7858	13	46
828	Fourier Transformed Large Amplitude Alternating Current Voltammetry: Principles and Applications. <i>Review of Polarography</i> , 2015 , 61, 21-32	0.2	46
827	Direct Electrodeposition of Graphene-Gold Nanocomposite Films for Ultrasensitive Voltammetric Determination of Mercury(II). <i>Electroanalysis</i> , 2014 , 26, 121-128	3	46
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