

Alan Maxwell Bond

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Advanced Spatiotemporal Voltammetric Techniques for Kinetic Analysis and Active Site Determination in the Electrochemical Reduction of CO.. <i>Accounts of Chemical Research</i> , 2022 ,	24.3	5
955	Quantifying the electrochemical active site density of precious metal-free catalysts in situ in fuel cells. <i>Nature Catalysis</i> , 2022 , 5, 163-170	36.5	9
954	Cyclic Voltammetric Experiment-Simulation Comparisons of the Complex Zr ⁴⁺ to Zr ⁰ Reduction Mechanism at a Molybdenum Electrode in LiF-CaF ₂ Eutectic Molten Salt. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 036506	3.9	0
953	Opportunities and Challenges in Applying Machine Learning to Voltammetric Mechanistic Studies. <i>Current Opinion in Electrochemistry</i> , 2022 , 101009	7.2	1
952	Inclusion of multiple cycling of potential in the deep neural network classification of voltammetric reaction mechanisms.. <i>Faraday Discussions</i> , 2021 ,	3.6	2
951	Diverse and unexpected outcomes from oxidation of the platinum(II) anticancer agent [Pt{(p-BrCF ₃)NCHCHNET}Cl(py)] by hydrogen peroxide. <i>Journal of Inorganic Biochemistry</i> , 2021 , 218, 111360	4.2	0
950	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	4.3	2
949	Stabilisation of the superoxide anion in bis(fluorosulfonyl)imide (FSI) ionic liquid by small chain length phosphonium cations: Voltammetric, DFT modelling and spectroscopic perspectives. <i>Electrochemistry Communications</i> , 2021 , 127, 107029	5.1	0
948	A Voltammetric Perspective of Multi-Electron and Proton Transfer in Protein Redox Chemistry: Insights From Computational Analysis of HypD Fourier Transformed Alternating Current Voltammetry. <i>Frontiers in Chemistry</i> , 2021 , 9, 672831	5	2
947	CdS-Enhanced Ethanol Selectivity in Electrocatalytic CO Reduction at Sulfide-Derived Cu-Cd. <i>ChemSusChem</i> , 2021 , 14, 2924-2934	8.3	2
946	Unravelling the Role of Speciation in Glyme:Ionic Liquid Hybrid Electrolytes for NaO ₂ Batteries. <i>Batteries and Supercaps</i> , 2021 , 4, 513-521	5.6	1
945	Using Purely Sinusoidal Voltammetry for Rapid Inference of Surface-Confined Electrochemical Reaction Parameters. <i>Analytical Chemistry</i> , 2021 , 93, 2062-2071	7.8	5
944	Atomic nickel cluster decorated defect-rich copper for enhanced C ₂ product selectivity in electrocatalytic CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2021 , 291, 120030	21.8	21
943	A Spotter's guide to dispersion in non-catalytic surface-confined voltammetry experiments. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 894, 115204	4.1	3
942	Recent advances and future perspectives for automated parameterisation, Bayesian inference and machine learning in voltammetry. <i>Chemical Communications</i> , 2021 , 57, 1855-1870	5.8	13
941	Electrochemical Investigation of the Oxidation of Thiosulfate by 2,3,5,6-tetrafluoro-7,7,8,8-tetracyanoquinodimethane and Its Anion Radical. <i>ChemElectroChem</i> , 2021 , 8, 4762-4773	4.3	0
940	Identification of Mechanistic Subtleties that Apply to Voltammetric Studies at Boron-Doped Diamond Electrodes. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 24232-24244	3.8	1

939	Modeling the Influence of Low Concentrations of Water on the Thermodynamics, Electron Transfer Kinetics, and Diffusivity of the [Ru(CN) ₆] ⁴⁻ /BPP Process in Propylene Carbonate. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 13726-13738	3.8	1
938	Thermodynamics, Electrode Kinetics, and Mechanistic Nuances Associated with the Voltammetric Reduction of Dissolved [n-Bu ₄ N] ⁺ [PW ₁₁ O ₃₉ {Sn(C ₆ H ₄)C ₂ (C ₆ H ₄)(N ₃ C ₄ H ₁₀)}] and a Surface-Confined Diazonium Derivative. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3991-4006	6.1	5
937	Electrocatalytic carbon dioxide reduction: from fundamental principles to catalyst design. <i>Materials Today Advances</i> , 2020 , 7, 100074	7.4	38
936	Electrode Material Dependence, Ion Pairing, and Progressive Increase in Complexity of the [S ₂ W ₁₈ O ₆₂] ⁴⁻ /BPP Reduction Processes in Acetonitrile Containing [n-Bu ₄ N] ⁺ [PF ₆] as the Supporting Electrolyte. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 16032-16047	3.8	3
935	Impact of the Lithium Cation on the Voltammetry and Spectroscopy of [XVMO] (X = P, As (= 4), S (= 3); M = Mo, W): Influence of Charge and Addenda and Hetero Atoms. <i>Inorganic Chemistry</i> , 2020 , 59, 10522-10539	5.1	9
934	The Origin of the Electrocatalytic Activity for CO Reduction Associated with Metal-Organic Frameworks. <i>ChemSusChem</i> , 2020 , 13, 2552-2556	8.3	8
933	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	2.6	12
932	Mechanistic understanding of the electrocatalytic CO ₂ reduction reaction [New developments based on advanced instrumental techniques. <i>Nano Today</i> , 2020 , 31, 100835	17.9	42
931	Electrochemically Directed Synthesis of Cobalt(II) and Nickel(II) TCNQF ₂ /TCNQ Coordination Polymers: Solubility and Substituent Effects in the TCNQF _n (n=0, 1, 2, 4) Series of Complexes. <i>Australian Journal of Chemistry</i> , 2020 , 73, 1197	1.2	
930	Modelling limitations encountered in the thermodynamic and electrode kinetic parameterization of the [S ₂ W ₁₈ O ₆₂] ⁴⁻ /BPP processes at glassy carbon and metal electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 872, 113786	4.1	6
929	Two-Dimensional Electrocatalysts for Efficient Reduction of Carbon Dioxide. <i>ChemSusChem</i> , 2020 , 13, 59-77	8.3	18
928	Systematic and non-systematic substituent effects gleaned from studies on CuTCNQF _n (n = 0, 1, 2, 4): Electrocrystallisation and characterisation of CuTCNQF. <i>Inorganica Chimica Acta</i> , 2020 , 505, 119458	2.7	2
927	[Fe(II)] ²⁺ [TCNQF ₄] ²⁻ : A Redox-Active Double Radical Salt. <i>Australian Journal of Chemistry</i> , 2019 , 72, 769	1.2	3
926	Automatically Identifying Electrode Reaction Mechanisms Using Deep Neural Networks. <i>Analytical Chemistry</i> , 2019 , 91, 12220-12227	7.8	14
925	Unprecedented Formation of a Binuclear Au(II)-Au(II) Complex through Redox State Cycling: Electrochemical Interconversion of Au(I)-Au(I), Au(II)-Au(II), and Au(I)-Au(III) in Binuclear Complexes Containing the Carbanionic Ligand CFPPH. <i>Inorganic Chemistry</i> , 2019 , 58, 13999-14004	5.1	6
924	Radio frequency alternating electromagnetic field enhanced tetra-ruthenium polyoxometalate electrocatalytic water oxidation. <i>Chemical Communications</i> , 2019 , 55, 1032-1035	5.8	6
923	Microcavity-Supported Lipid Bilayers; Evaluation of Drug-Lipid Membrane Interactions by Electrochemical Impedance and Fluorescence Correlation Spectroscopy. <i>Langmuir</i> , 2019 , 35, 8095-8109	4	12
922	Impact of sp ² Carbon Edge Effects on the Electron-Transfer Kinetics of the Ferrocene/Ferricenium Process at a Boron-Doped Diamond Electrode in an Ionic Liquid. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 17397-17406	3.8	14

921	Electrochemical and Chemical Synthesis of [ZnTCNQF ₄ (DMF) ₂] _n DMF [A 2D Network Coordination Polymer. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 2811-2818	2.3	1
920	Systematic Approach to the Synthesis of Cobaltocenium Salts with Reduced Forms of TCNQF ₄ : Two [Cp ₂ Co](TCNQF ₄) Polymorphs and [Cp ₂ Co]Li(TCNQF ₄). <i>Crystal Growth and Design</i> , 2019 , 19, 2712-2722	3.5	1
919	Controlling the morphological and redox properties of the CuTCNQ catalyst through solvent engineering. <i>Emergent Materials</i> , 2019 , 2, 35-44	3.5	11
918	Application of Bayesian Inference in Fourier-Transformed Alternating Current Voltammetry for Electrode Kinetic Mechanism Distinction. <i>Analytical Chemistry</i> , 2019 , 91, 5303-5309	7.8	8
917	A Systematic (Spectro-) Electrochemical Approach to the Synthesis and Characterisation of Co(II) and Ni(II) Compounds Containing Reduced Forms of TCNQF. <i>ChemElectroChem</i> , 2019 , 6, 221-228	4.3	1
916	Electrohydrogenation of Carbon Dioxide using a Ternary Pd/Cu O-Cu Catalyst. <i>ChemSusChem</i> , 2019 , 12, 4471-4479	8.3	6
915	Antwort auf den Kommentar zu Stabilisierung eines niedrigvalenten Eisen(I)-Ions in einem hochvalentem molekularen Vanadium(V) Oxid-Cluster. <i>Angewandte Chemie</i> , 2019 , 131, 10151-10153	3.6	1
914	Reply to Comment on Stabilization of Low-Valent Iron(I) in a High-Valent Vanadium(V) Oxide Cluster. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10048-10050	16.4	5
913	Models and Their Limitations in the Voltammetric Parameterization of the Six-Electron Surface-Confined Reduction of [PMo ₁₂ O ₄₀] ₃ at Glassy Carbon and Boron-Doped Diamond Electrodes. <i>ChemElectroChem</i> , 2019 , 6, 5499-5510	4.3	10
912	Electrocatalytic CO ₂ Reduction to Formate on Cu Based Surface Alloys with Enhanced Selectivity. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 19453-19462	8.3	16
911	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
910	Oxomolybdate anchored on copper for electrocatalytic hydrogen production over the entire pH range. <i>Applied Catalysis B: Environmental</i> , 2019 , 249, 227-234	21.8	11
909	Separating the Effects of Experimental Noise from Inherent System Variability in Voltammetry: The [Fe(CN)] Process. <i>Analytical Chemistry</i> , 2019 , 91, 1944-1953	7.8	8
908	Size Controllable Metal Nanoparticles Anchored on Nitrogen Doped Carbon for Electrocatalytic Energy Conversion. <i>ChemElectroChem</i> , 2019 , 6, 1508-1513	4.3	2
907	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	6.7	39
906	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	3.8	9
905	Macrocycles Bearing Ferrocenyl Pendants and their Electrochemical Properties upon Binding to Divalent Transition Metal Cations. <i>ChemPlusChem</i> , 2018 , 83, 728-738	2.8	2
904	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

903	Identification of a new substrate effect that enhances the electrocatalytic activity of dendritic tin in CO reduction. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 5936-5941	3.6	16
902	Use of the TCNQF Dianion in the Spontaneous Redox Formation of [Fe (L)][TCNQF]. <i>ChemPlusChem</i> , 2018 , 83, 658-668	2.8	2
901	A supramolecular approach to the examination of the structures of some anticancer organoamidoplatinum(II) complexes. <i>Supramolecular Chemistry</i> , 2018 , 30, 418-424	1.8	4
900	Stannate derived bimetallic nanoparticles for electrocatalytic CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7851-7858	13	46
899	Voltammetric Perspectives on the Acidity Scale and H/H Process in Ionic Liquid Media. <i>Annual Review of Analytical Chemistry</i> , 2018 , 11, 397-419	12.5	6
898	Investigation of the Redox and Acid-Base properties of TCNQF and TCNQF ₂ : Electrochemistry, Vibrational Spectroscopy, and Substituent Effects. <i>ChemElectroChem</i> , 2018 , 5, 1173-1185	4.3	10
897	Use of Bayesian Inference for Parameter Recovery in DC and AC Voltammetry. <i>ChemElectroChem</i> , 2018 , 5, 917-935	4.3	17
896	Solvent-, Cation- and Anion-Induced Structure Variations in Manganese-Based TCNQF Complexes: Synthesis, Crystal Structures, Electrochemistry and Their Catalytic Properties. <i>ChemPlusChem</i> , 2018 , 83, 24-34	2.8	4
895	Electrolyte cation dependence of the electron transfer kinetics associated with the [SVW11O ₄₀] ³⁻ /4 ⁻ (VV/IV) and [SVW11O ₄₀] ⁴⁻ /5 ⁻ (WVI/V) processes in propylene carbonate. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 819, 193-201	4.1	6
894	Variation of Carbon Based Materials on the Electropolymerization of Tyramine. <i>Electroanalysis</i> , 2018 , 30, 1545-1555	3	1
893	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, 11772-11786	2.8	6
892	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	7.2	20
891	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
890	Controllable Synthesis of Few-Layer Bismuth Subcarbonate by Electrochemical Exfoliation for Enhanced CO ₂ Reduction Performance. <i>Angewandte Chemie</i> , 2018 , 130, 13467-13471	3.6	26
889	Ultra-small Cu nanoparticles embedded in N-doped carbon arrays for electrocatalytic CO ₂ reduction reaction in dimethylformamide. <i>Nano Research</i> , 2018 , 11, 3678-3690	10	10
888	Voltammetric, Spectroscopic, and Microscopic Investigation of the Oxidation of Solid and Solution Phases of Tetrathiafulvalene (TTF) to (TTF) ₂ MO ₄ (M=Mo, W). <i>ChemElectroChem</i> , 2018 , 5, 885-896	4.3	1
887	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	4.3	2
886	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	4.3	9

885	Electrochemistry of TCNQF2 in acetonitrile in the presence of [Cu(CH ₃ CN) ₄] ⁺ : Electrocrystallisation and characterisation of CuTCNQF2. <i>Inorganica Chimica Acta</i> , 2018 , 480, 91-100	2.7	3
884	Probing Electrode Heterogeneity Using Fourier-Transformed Alternating Current Voltammetry: Application to a Dual-Electrode Configuration. <i>Analytical Chemistry</i> , 2017 , 89, 2830-2837	7.8	8
883	Modelling ac voltammetry with MECSim: facilitating simulation–experiment comparisons. <i>Current Opinion in Electrochemistry</i> , 2017 , 1, 140-147	7.2	29
882	Comparison of fast electron transfer kinetics at platinum, gold, glassy carbon and diamond electrodes using Fourier-transformed AC voltammetry and scanning electrochemical microscopy. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 8726-8734	3.6	19
881	Electrochemical Reduction of CO ₂ with an Oxide-Derived Lead Nano-Coralline Electrode in Dimcarb. <i>ChemElectroChem</i> , 2017 , 4, 1402-1410	4.3	17
880	Probing Electrode Heterogeneity using Fourier-Transformed Alternating Current Voltammetry: Protocol Development. <i>Electrochimica Acta</i> , 2017 , 240, 514-521	6.7	6
879	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	3.8	18
878	Enhanced NADH Oxidation Using Polytyramine/Carbon Nanotube Modified Electrodes for Ethanol Biosensing. <i>Electroanalysis</i> , 2017 , 29, 1985-1993	3	11
877	Direct Detection of Electron Transfer Reactions Underpinning the Tin-Catalyzed Electrochemical Reduction of CO ₂ using Fourier-Transformed ac Voltammetry. <i>ACS Catalysis</i> , 2017 , 7, 4846-4853	13.1	42
876	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	4.9	7
875	Voltammetric and Spectroscopic Studies of β - and γ -[PWO] Polyoxometalates in Neutral and Acidic Media: Structural Characterization as Their [(n-BuN)][PWO] Salts. <i>Inorganic Chemistry</i> , 2017 , 56, 3990-4001	5.1	15
874	A Cationic Diode Based on Asymmetric Nafion Film Deposits. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11272-11278	9.5	32
873	Analysis of HypD Disulfide Redox Chemistry via Optimization of Fourier Transformed ac Voltammetric Data. <i>Analytical Chemistry</i> , 2017 , 89, 1565-1573	7.8	14
872	Transformation of Cadmium Tetracyanoquinodimethane (TCNQ) into a Cadmium Terephthalate Metal–Organic Framework. <i>Australian Journal of Chemistry</i> , 2017 , 70, 973	1.2	
871	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	13	19
870	Stabilisierung eines niedrigvalenten Eisen(II)-Ions in einem hochvalenten molekularen Vanadium(V)-Oxid-Cluster. <i>Angewandte Chemie</i> , 2017 , 129, 14944-14947	3.6	11
869	Stabilization of Low-Valent Iron(II) in a High-Valent Vanadium(V) Oxide Cluster. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14749-14752	16.4	38
868	A Systematic Study of the Mass Transport, Kinetic and Thermodynamic Properties of the FeIII/II Process at Glassy Carbon and Boron-Doped Diamond Electrodes. <i>Electrochimica Acta</i> , 2017 , 249, 421-430	6.7	3

867	Electrochemical Reduction of Carbon Dioxide in a Monoethanolamine Capture Medium. <i>ChemSusChem</i> , 2017 , 10, 4109-4118	8.3	44
866	Untangling Complex Redox Chemistry in Zeolitic Imidazolate Frameworks Using Fourier Transformed Alternating Current Voltammetry. <i>Analytical Chemistry</i> , 2017 , 89, 10181-10187	7.8	6
865	Probing biological redox chemistry with large amplitude Fourier transformed ac voltammetry. <i>Chemical Communications</i> , 2017 , 53, 9519-9533	5.8	26
864	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	7.8	9
863	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	16.4	45
862	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	4.8	10
861	Electrochemistry of cytochrome P450 17 β -hydroxylase/17,20-lyase (P450c17). <i>Molecular and Cellular Endocrinology</i> , 2017 , 441, 62-67	4.4	3
860	Limitations in Electrochemical Determination of Mass-Transport Parameters: Implications for Quantification of Electrode Kinetics Using Data Optimisation Methods. <i>Australian Journal of Chemistry</i> , 2017 , 70, 990	1.2	3
859	Structural, Spectroscopic, and Electrochemical Characterization of Semi-Conducting, Solvated [Pt(NH ₃) ₄](TCNQ) ₂ ·(DMF) ₂ and Non-Solvated [Pt(NH ₃) ₄](TCNQ) ₂ . <i>Australian Journal of Chemistry</i> , 2017 , 70, 997	1.2	0
858	Hybrid polyoxometalate materials for photo(electro-) chemical applications. <i>Coordination Chemistry Reviews</i> , 2016 , 306, 217-234	23.2	253
857	Efficient Enzymatic Oxidation of Glucose Mediated by Ferrocene Covalently Attached to Polyethylenimine Stabilized Gold Nanoparticles. <i>Electroanalysis</i> , 2016 , 28, 2728-2736	3	7
856	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	16.4	34
855	Electrode Material Dependence of the Electron Transfer Kinetics Associated with the [SVW ₁₁ O ₄₀] ₃ /4[(VV/IV) and [SVW ₁₁ O ₄₀] ₄ /5[(WVI/V) Processes in Dimethylformamide. <i>Electrochimica Acta</i> , 2016 , 201, 45-56	6.7	13
854	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	3.9	7
853	Electrochemistry of Iodide, Iodine, and Iodine Monochloride in Chloride Containing Nonhaloaluminate Ionic Liquids. <i>Analytical Chemistry</i> , 2016 , 88, 1915-21	7.8	21
852	Electrooxidation of Ethanol and Methanol Using the Molecular Catalyst [(Ru ₄ O ₄ (OH) ₂ (H ₂ O) ₄)(SiW ₁₀ O ₃₆) ₂](10.). <i>Journal of the American Chemical Society</i> , 2016 , 138, 2617-28	16.4	61
851	Dual-Frequency Alternating Current Designer Waveform for Reliable Voltammetric Determination of Electrode Kinetics Approaching the Reversible Limit. <i>Analytical Chemistry</i> , 2016 , 88, 2367-74	7.8	14
850	Impact of Adsorption on Scanning Electrochemical Microscopy Voltammetry and Implications for Nanogap Measurements. <i>Analytical Chemistry</i> , 2016 , 88, 3272-80	7.8	33

849	Electrochemical Reduction of CO ₂ at Metal Electrodes in a Distillable Ionic Liquid. <i>ChemSusChem</i> , 2016 , 9, 1271-8	8.3	31
848	Hydrodynamic Rocking Disc Electrode Study of the TEMPO-mediated Catalytic Oxidation of Primary Alcohols. <i>Electroanalysis</i> , 2016 , 28, 2093-2103	3	6
847	Preferential synthesis of highly conducting Tl(TCNQ) phase II nanorod networks via electrochemically driven TCNQ/Tl(TCNQ) solid-solid phase transformation. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 3303-3314	2.6	2
846	EPR spectroscopic characterization of a monomeric Pt species produced via electrochemical oxidation of the anticancer compound trans-[Pt{(p-HCF)NCHCHNEt}Cl(py)]. <i>Journal of Inorganic Biochemistry</i> , 2016 , 162, 194-200	4.2	8
845	Influence of 1-butyl-3-methylimidazolium on the electron transfer kinetics associated with the [SVW 11 O 40] 3/4[V V/IV] and [SVW 11 O 40] 4/5[W VI/V] processes in dimethylformamide. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 779, 67-74	4.1	7
844	Multiparameter Estimation in Voltammetry When an Electron Transfer Process Is Coupled to a Chemical Reaction. <i>Analytical Chemistry</i> , 2016 , 88, 4724-32	7.8	16
843	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
842	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	3.8	34
841	Determination of diffusion coefficients from semiintegrated d.c. and a.c. voltammetric data: Overcoming the edge effect at macrodisc electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 744, 110-116	4.1	7
840	Determination of fast electrode kinetics facilitated by use of an internal reference. <i>Analytical Chemistry</i> , 2015 , 87, 8387-93	7.8	4
839	Diminished Electron Transfer Kinetics for [Ru(NH ₃) ₆] ^{3+/2+} , [SiW ₁₂ O ₄₀] ^{4-/5-} and [SiW ₁₂ O ₄₀] ^{5-/6-} Processes at Boron-Doped Diamond Electrodes. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 12464-12472	3.8	21
838	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	4	24
837	Cyclopalladated complexes containing 2-C ₆ R ₄ PPh ₂ ligands (R = H, F): one-electron electrochemical reduction leading to metal-carbon bond cleavage via palladium(I). <i>Dalton Transactions</i> , 2015 , 44, 3367-77	4.3	5
836	Electroanalytical Applications of Semiintegral and Convolution Voltammetry in Room-Temperature Ionic Liquids 2015 , 143-167		1
835	Voltammetry of Adhered Microparticles in Contact with Ionic Liquids: Principles and Applications 2015 , 405-433		
834	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, 19247-54	3.6	16
833	Lindqvist Polyoxoniobate Ion-Assisted Electrodeposition of Cobalt and Nickel Water Oxidation Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16632-44	9.5	22
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349	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	7.8	13
348	Evidence for adsorption of the cobaltocenium cation and precipitation of uncharged cobaltocene at the platinum microelectrode-acetonitrile interface in the absence of supporting electrolyte. <i>Analytical Chemistry</i> , 1993 , 65, 2724-2730	7.8	18
347	A green heteropoly blue: isolation of a stable, odd oxidation level in a Dawson molybdate anion, $[\text{S}_2\text{Mo}_{18}\text{O}_{62}]^{5-}$. <i>Inorganic Chemistry</i> , 1993 , 32, 2416-2420	5.1	48
346	Polarographic determination of total iron, iron(II) and iron(III) in zinc plant electrolyte. <i>Analytica Chimica Acta</i> , 1993 , 277, 145-151	6.6	5

345	On-line monitoring of cobalt ion zinc plant electrolyte by differential pulse adsorptive stripping voltammetry. <i>Analytica Chimica Acta</i> , 1993 , 281, 281-290	6.6	15
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341	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	2.3	30
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338	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	3.9	12
337	Determination of zinc and acid in zinc plant electrolyte by discontinuous flow analysis. <i>Analyst, The</i> , 1992 , 117, 1845	5	6
336	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		9
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334	The effect of salinity on the determination of tributyltin. <i>Science of the Total Environment</i> , 1992 , 125, 39-45	10.2	2
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332	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 $\text{Fe}(\text{C}_6\text{H}_5)_3/\text{Fe}(\text{C}_6\text{H}_5)_2$ couple in CH_2Cl_2	7.8	20
331	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	3.8	13
330	Characterisation of intermediates involved in the $\text{mer-W}(\text{CO})_3(\text{P}^-\text{-dpm})(\text{P}^-\text{-dpm})$ to $\text{mer-[W}(\text{CO})_2(\text{P}^-\text{-dpm})_2]^{2+}$ ($\text{P}^-\text{-dpm}=\text{Ph}_2\text{PCH}_2\text{PPh}_2$) oxidation process in acetone by steady-state and fast scan voltammetry at platinum and mercury microelectrodes. <i>Inorganica Chimica Acta</i> , 1992 , 199, 333-344	2.7	2
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327	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	6.6	41
326	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	3	3
325	Micro-volume extraction for differential-pulse voltammetric determination of iron in biological materials. <i>Electroanalysis</i> , 1992 , 4, 581-583	3	1
324	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	3	32
323	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		6
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321	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		51
320	Electrochemical reduction of N-formylkynurenine at mercury electrodes in aqueous media. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991 , 317, 203-218		3
319	Electrochemistry of xanthine oxidase at glassy carbon and mercury electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991 , 312, 131-140		33
318	Global kinetic analysis of cyclic voltammograms at a spherical electrode. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991 , 297, 1-17		36
317	Interpretation of the electrochemistry of cytochrome c at macro and micro sized carbon electrodes using a microscopic model based on a partially blocked. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991 , 314, 191-206		36
316	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		13
315	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		4
314	Theory of square-wave stripping voltammetry and chronoamperometry of immobilized reactants. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991 , 319, 1-18		57
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311	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		10
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309	Chemical and electrochemical oxidation of mer/fac-Cr(CO) ₃ (.eta.1-L-L)(.eta.2-L-L) containing a pendant donor atom: ESR studies of the cations mer-[Cr(CO) ₃ (.eta.1-L-L)(.eta.2-L-L)] ⁺ and trans-[Cr(CO) ₂ (.eta.2-L-L) ₂] ⁺ (L-L = bidentate group 15 ligand). <i>Organometallics</i> , 1991 , 10, 2611-2615	3.8	14
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307	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	7.8	35
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305	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	5.1	21
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303	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	6.2	9
302	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		33
301	Rapid scanning voltammetry under steady-state conditions in a flow through thin layer cell with a microelectrode. <i>Collection of Czechoslovak Chemical Communications</i> , 1991 , 56, 192-205		6
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299	Synthesis of dipositive molybdenum(II) and tungsten(II) carbonyl cations by electrochemically generated internal addition reactions. <i>Organometallics</i> , 1990 , 9, 1227-1230	3.8	6
298	Evidence for fast and discriminatory electron transfer of proteins at modified gold electrodes. <i>FEBS Journal</i> , 1990 , 191, 737-42		30
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296	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	3	14
295	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	2.7	1
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293	Extraction-liquid chromatography with electrochemical and spectrophotometric detection for the determination of copper and iron in biological and river water samples. <i>Analytica Chimica Acta</i> , 1990 , 235, 279-285	6.6	6
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290	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	5.1	8
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287	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	7.8	42
286	How long does it take a microelectrode to reach a voltammetric steady state?. <i>Analytical Chemistry</i> , 1990 , 62, 37-45	7.8	61
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282	Application of microelectrodes and variable-temperature techniques to voltammetric studies of inorganic reaction mechanisms. <i>Coordination Chemistry Reviews</i> , 1989 , 93, 1-18	23.2	10
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280	Kinetic parameters from steady-state voltammograms at microdisc electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989 , 270, 79-101		82
279	ESR-electrochemical cells and their performance in studies of redox processes. <i>Electroanalysis</i> , 1989 , 1, 1-11	3	26
278	An evaluation of ultrathin ring and band microelectrodes as amperometric sensors in electrochemical flow cells. <i>Electroanalysis</i> , 1989 , 1, 23-33	3	14
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262	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	3.7	10
261	Battery-operated microcomputer-based electrochemical instrumentation. <i>TrAC - Trends in Analytical Chemistry</i> , 1988 , 7, 159-164	14.6	7
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258	The bubble electrode-a new electrode for the combination of voltammetry, electrolysis and electron spin resonance spectrometry. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988 , 245, 105-112		7
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256	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

255	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		4 ¹
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240	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	1.2	9
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233	Addition of small molecules to (η ⁵ -C ₅ H ₅)Rh ₂ (μ-CO)(μ-CF ₃ C ₂ CF ₃). 7. Formation and properties of several isocyanide complexes (η ⁵ -C ₅ H ₅) ₂ Rh ₂ (CO)(CNR)(μ-CF ₃ C ₂ CF ₃), crystal and molecular structure of the complex with R = 2,6-Me ₂ C ₆ H ₃ , and structure and substituent influences on the electrochemistry of (η ⁵ -C ₅ H ₅) ₂ Rh ₂ (CO)L(μ-CF ₃ C ₂ CF ₃) (L = CO, PPh ₃ or	3.8	10
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227	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		4
226	Stability sequences of cadmium(II) and zinc(II) monohalide complexes in alcohols and binary solvent mixtures containing methanol, dimethylsulfoxide, acetonitrile and water. <i>Inorganica Chimica Acta</i> , 1987 , 128, 105-111	2.7	1
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224	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		10
223	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		11
222	Application of transient electrochemical techniques to inlaid ultra-microelectrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1987 , 218, 187-196		21
221	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		
220	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		25

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211	Low temperature electrochemistry of metalloporphyrins in dichloromethane: characterization of transient species. <i>Inorganica Chimica Acta</i> , 1986 , 123, 167-173	2.7	9
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150	Microprocessor-based tensammetric detection for liquid chromatography. <i>Analytica Chimica Acta</i> , 1983 , 152, 13-24	6.6	16
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46	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	6.6	1
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