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.. *Accounts of Chemical Research*, **2022**,	24.3	5
955	Quantifying the electrochemical active site density of precious metal-free catalysts in situ in fuel cells. *Nature Catalysis*, **2022**, 5, 163-170	36.5	9
954	Cyclic Voltammetric Experiment-Simulation Comparisons of the Complex Zr4+ to Zr0 Reduction Mechanism at a Molybdenum Electrode in LiF-CaF2 Eutectic Molten Salt. *Journal of the Electrochemical Society*, **2022**, 169, 036506	3.9	0
953	Opportunities and Challenges in Applying Machine Learning to Voltammetric Mechanistic Studies. *Current Opinion in Electrochemistry*, **2022**, 101009	7.2	1
952	Inclusion of multiple cycling of potential in the deep neural network classification of voltammetric reaction mechanisms.. *Faraday Discussions*, **2021**,	3.6	2
951	Diverse and unexpected outcomes from oxidation of the platinum(II) anticancer agent [Pt{(p-BrCF)NCHCHNEt}Cl(py)] by hydrogen peroxide. *Journal of Inorganic Biochemistry*, **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. *ChemElectroChem*, **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. *Electrochemistry Communications*, **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. *Frontiers in Chemistry*, **2021**, 9, 672831	5	2
947	CdS-Enhanced Ethanol Selectivity in Electrocatalytic CO Reduction at Sulfide-Derived Cu-Cd. *ChemSusChem*, **2021**, 14, 2924-2934	8.3	2
946	Unravelling the Role of Speciation in Glyme:Ionic Liquid Hybrid Electrolytes for Na□O2 Batteries. *Batteries and Supercaps*, **2021**, 4, 513-521	5.6	1
945	Using Purely Sinusoidal Voltammetry for Rapid Inference of Surface-Confined Electrochemical Reaction Parameters. *Analytical Chemistry*, **2021**, 93, 2062-2071	7.8	5
944	Atomic nickel cluster decorated defect-rich copper for enhanced C2 product selectivity in electrocatalytic CO2 reduction. *Applied Catalysis B: Environmental*, **2021**, 291, 120030	21.8	21
943	A Spotter□s guide to dispersion in non-catalytic surface-confined voltammetry experiments. *Journal of Electroanalytical Chemistry*, **2021**, 894, 115204	4.1	3
942	Recent advances and future perspectives for automated parameterisation, Bayesian inference and machine learning in voltammetry. *Chemical Communications*, **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. *ChemElectroChem*, **2021**, 8, 4762-4773	4.3	0
940	Identification of Mechanistic Subtleties that Apply to Voltammetric Studies at Boron-Doped Diamond Electrodes. *Journal of Physical Chemistry C*, **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]4/3− Process in Propylene Carbonate. *Journal of Physical Chemistry C*, **2020**, 124, 13726-13738	3.8	1
938	Thermodynamics, Electrode Kinetics, and Mechanistic Nuances Associated with the Voltammetric Reduction of Dissolved [n-Bu4N]4[PW11O39{Sn(C6H4)C?C(C6H4)(N3C4H10)}] and a Surface-Confined Diazonium Derivative. *ACS Applied Energy Materials*, **2020**, 3, 3991-4006	6.1	5
937	Electrocatalytic carbon dioxide reduction: from fundamental principles to catalyst design. *Materials Today Advances*, **2020**, 7, 100074	7.4	38
936	Electrode Material Dependence, Ion Pairing, and Progressive Increase in Complexity of the [S2W18O62]4/5−/6−/7−/8−/9−/10− Reduction Processes in Acetonitrile Containing [n-Bu4N][PF6] as the Supporting Electrolyte. *Journal of Physical Chemistry C*, **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. *Inorganic Chemistry*, **2020**, 59, 10522-10531	5.1	9
934	The Origin of the Electrocatalytic Activity for CO Reduction Associated with Metal-Organic Frameworks. *ChemSusChem*, **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. *Journal of Solid State Electrochemistry*, **2020**, 24, 2041-2050	2.6	12
932	Mechanistic understanding of the electrocatalytic CO2 reduction reaction – New developments based on advanced instrumental techniques. *Nano Today*, **2020**, 31, 100835	17.9	42
931	Electrochemically Directed Synthesis of Cobalt(II) and Nickel(II) TCNQF21/2− Coordination Polymers: Solubility and Substituent Effects in the TCNQFn (n=0, 1, 2, 4) Series of Complexes. *Australian Journal of Chemistry*, **2020**, 73, 1197	1.2	
930	Modelling limitations encountered in the thermodynamic and electrode kinetic parameterization of the [S2W18O62]4/5−/6− processes at glassy carbon and metal electrodes. *Journal of Electroanalytical Chemistry*, **2020**, 872, 113786	4.1	6
929	Two-Dimensional Electrocatalysts for Efficient Reduction of Carbon Dioxide. *ChemSusChem*, **2020**, 13, 59-77	8.3	18
928	Systematic and non-systematic substituent effects gleaned from studies on CuTCNQFn (n = 0, 1, 2, 4): Electrocrystallisation and characterisation of CuTCNQF. *Inorganica Chimica Acta*, **2020**, 505, 119458	2.7	2
927	[FeII(L)2][TCNQF4]2: A Redox-Active Double Radical Salt. *Australian Journal of Chemistry*, **2019**, 72, 769	1.2	3
926	Automatically Identifying Electrode Reaction Mechanisms Using Deep Neural Networks. *Analytical Chemistry*, **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. *Inorganic Chemistry*, **2019**, 58, 13999-14004	5.1	6
924	Radio frequency alternating electromagnetic field enhanced tetraruthenium polyoxometalate electrocatalytic water oxidation. *Chemical Communications*, **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. *Langmuir*, **2019**, 35, 8095-8109	4	12
922	Impact of sp2 Carbon Edge Effects on the Electron-Transfer Kinetics of the Ferrocene/Ferricenium Process at a Boron-Doped Diamond Electrode in an Ionic Liquid. *Journal of Physical Chemistry C*, **2019**, 123, 17397-17406	3.8	14

921	Electrochemical and Chemical Synthesis of [ZnTCNQF4(DMF)2]·2DMF: A 2D Network Coordination Polymer. *European Journal of Inorganic Chemistry*, **2019**, 2019, 2811-2818	2.3	1
920	Systematic Approach to the Synthesis of Cobaltocenium Salts with Reduced Forms of TCNQF4: Two [Cp2Co](TCNQF4) Polymorphs and [Cp2Co]Li(TCNQF4). *Crystal Growth and Design*, **2019**, 19, 2712-2722	3.5	1
919	Controlling the morphological and redox properties of the CuTCNQ catalyst through solvent engineering. *Emergent Materials*, **2019**, 2, 35-44	3.5	11
918	Application of Bayesian Inference in Fourier-Transformed Alternating Current Voltammetry for Electrode Kinetic Mechanism Distinction. *Analytical Chemistry*, **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. *ChemElectroChem*, **2019**, 6, 221-228	4.3	1
916	Electrohydrogenation of Carbon Dioxide using a Ternary Pd/Cu O-Cu Catalyst. *ChemSusChem*, **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". *Angewandte Chemie*, **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. *Angewandte Chemie - International Edition*, **2019**, 58, 10048-10050	16.4	5
913	Models and Their Limitations in the Voltammmetric Parameterization of the Six-Electron Surface-Confined Reduction of [PMo12O40]3- at Glassy Carbon and Boron-Doped Diamond Electrodes. *ChemElectroChem*, **2019**, 6, 5499-5510	4.3	10
912	Electrocatalytic CO2 Reduction to Formate on Cu Based Surface Alloys with Enhanced Selectivity. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 19453-19462	8.3	16
911	Formation of lattice-dislocated bismuth nanowires on copper foam for enhanced electrocatalytic CO2 reduction at low overpotential. *Energy and Environmental Science*, **2019**, 12, 1334-1340	35.4	137
910	Oxomolybdate anchored on copper for electrocatalytic hydrogen production over the entire pH range. *Applied Catalysis B: Environmental*, **2019**, 249, 227-234	21.8	11
909	Separating the Effects of Experimental Noise from Inherent System Variability in Voltammetry: The [Fe(CN)] Process. *Analytical Chemistry*, **2019**, 91, 1944-1953	7.8	8
908	Size Controllable Metal Nanoparticles Anchored on Nitrogen Doped Carbon for Electrocatalytic Energy Conversion. *ChemElectroChem*, **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. *Electrochimica Acta*, **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. *Journal of Physical Chemistry C*, **2018**, 122, 9009-9014	3.8	9
905	Macrocycles Bearing Ferrocenyl Pendants and their Electrochemical Properties upon Binding to Divalent Transition Metal Cations. *ChemPlusChem*, **2018**, 83, 728-738	2.8	2
904	Electrochemical reduction of CO2 on defect-rich Bi derived from Bi2S3 with enhanced formate selectivity. *Journal of Materials Chemistry A*, **2018**, 6, 4714-4720	13	93

903	Identification of a new substrate effect that enhances the electrocatalytic activity of dendritic tin in CO reduction. *Physical Chemistry Chemical Physics*, **2018**, 20, 5936-5941	3.6	16
902	Use of the TCNQF Dianion in the Spontaneous Redox Formation of [Fe (L)][TCNQF]. *ChemPlusChem*, **2018**, 83, 658-668	2.8	2
901	A supramolecular approach to the examination of the structures of some anticancer organoamidoplatinum(II) complexes. *Supramolecular Chemistry*, **2018**, 30, 418-424	1.8	4
900	Stannate derived bimetallic nanoparticles for electrocatalytic CO2 reduction. *Journal of Materials Chemistry A*, **2018**, 6, 7851-7858	13	46
899	Voltammetric Perspectives on the Acidity Scale and H/H Process in Ionic Liquid Media. *Annual Review of Analytical Chemistry*, **2018**, 11, 397-419	12.5	6
898	Investigation of the Redox and Acid-Base properties of TCNQF and TCNQF2: Electrochemistry, Vibrational Spectroscopy, and Substituent Effects. *ChemElectroChem*, **2018**, 5, 1173-1185	4.3	10
897	Use of Bayesian Inference for Parameter Recovery in DC and AC Voltammetry. *ChemElectroChem*, **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. *ChemPlusChem*, **2018**, 83, 24-34	2.8	4
895	Electrolyte cation dependence of the electron transfer kinetics associated with the [SVW11O40]3/4 (VV/IV) and [SVW11O40]4/5 (WVI/V) processes in propylene carbonate. *Journal of Electroanalytical Chemistry*, **2018**, 819, 193-201	4.1	6
894	Variation of Carbon Based Materials on the Electropolymerization of Tyramine. *Electroanalysis*, **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. *Journal of Physical Chemistry C*, **2018**, 122, 11777-11788	3.8	6
892	Fourier transformed alternating current voltammetry in electromaterials research: Direct visualisation of important underlying electron transfer processes. *Current Opinion in Electrochemistry*, **2018**, 10, 72-81	7.2	20
891	Controllable Synthesis of Few-Layer Bismuth Subcarbonate by Electrochemical Exfoliation for Enhanced CO Reduction Performance. *Angewandte Chemie - International Edition*, **2018**, 57, 13283-13287	16.4	95
890	Controllable Synthesis of Few-Layer Bismuth Subcarbonate by Electrochemical Exfoliation for Enhanced CO2 Reduction Performance. *Angewandte Chemie*, **2018**, 130, 13467-13471	3.6	26
889	Ultra-small Cu nanoparticles embedded in N-doped carbon arrays for electrocatalytic CO2 reduction reaction in dimethylformamide. *Nano Research*, **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)2MO4 (M=Mo, W). *ChemElectroChem*, **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. *ChemElectroChem*, **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. *ChemElectroChem*, **2018**, 5, 3771-3785	4.3	9

885	Electrochemistry of TCNQF2 in acetonitrile in the presence of [Cu(CH3CN)4]+: Electrocrystallisation and characterisation of CuTCNQF2. *Inorganica Chimica Acta*, **2018**, 480, 91-100	2.7	3
884	Probing Electrode Heterogeneity Using Fourier-Transformed Alternating Current Voltammetry: Application to a Dual-Electrode Configuration. *Analytical Chemistry*, **2017**, 89, 2830-2837	7.8	8
883	Modelling ac voltammetry with MECSim: facilitating simulation–experiment comparisons. *Current Opinion in Electrochemistry*, **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. *Physical Chemistry Chemical Physics*, **2017**, 19, 8726-8734	3.6	19
881	Electrochemical Reduction of CO2 with an Oxide-Derived Lead Nano-Coralline Electrode in Dimcarb. *ChemElectroChem*, **2017**, 4, 1402-1410	4.3	17
880	Probing Electrode Heterogeneity using Fourier-Transformed Alternating Current Voltammetry: Protocol Development. *Electrochimica Acta*, **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. *Journal of Physical Chemistry C*, **2017**, 121, 12136-12147	3.8	18
878	Enhanced NADH Oxidation Using Polytyramine/Carbon Nanotube Modified Electrodes for Ethanol Biosensing. *Electroanalysis*, **2017**, 29, 1985-1993	3	11
877	Direct Detection of Electron Transfer Reactions Underpinning the Tin-Catalyzed Electrochemical Reduction of CO2 using Fourier-Transformed ac Voltammetry. *ACS Catalysis*, **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. *Scientific Reports*, **2017**, 7, 29	4.9	7
875	Voltammetric and Spectroscopic Studies of □-and □-[PWO] Polyoxometalates in Neutral and Acidic Media: Structural Characterization as Their [(n-BuN)][PWO] Salts. *Inorganic Chemistry*, **2017**, 56, 3990-4001	5.1	15
874	A Cationic Diode Based on Asymmetric Nafion Film Deposits. *ACS Applied Materials & Interfaces* , **2017**, 9, 11272-11278	9.5	32
873	Analysis of HypD Disulfide Redox Chemistry via Optimization of Fourier Transformed ac Voltammetric Data. *Analytical Chemistry*, **2017**, 89, 1565-1573	7.8	14
872	Transformation of Cadmium Tetracyanoquinodimethane (TCNQ) into a Cadmium Terephthalate Metal–Organic Framework. *Australian Journal of Chemistry*, **2017**, 70, 973	1.2	
871	Cobalt selenide nanoflake decorated reduced graphene oxide nanocomposite for efficient glucose electro-oxidation in alkaline medium. *Journal of Materials Chemistry A*, **2017**, 5, 19289-19296	13	19
870	Stabilisierung eines niedrigvalenten Eisen(I)-Ions in einem hochvalenten molekularen Vanadium(V)-Oxid-Cluster. *Angewandte Chemie*, **2017**, 129, 14944-14947	3.6	11
869	Stabilization of Low-Valent Iron(I) in a High-Valent Vanadium(V) Oxide Cluster. *Angewandte Chemie - International Edition*, **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. *Electrochimica Acta*, **2017**, 249, 421-430	6.7	3

867	Electrochemical Reduction of Carbon Dioxide in a Monoethanolamine Capture Medium. *ChemSusChem*, **2017**, 10, 4109-4118	8.3	44
866	Untangling Complex Redox Chemistry in Zeolitic Imidazolate Frameworks Using Fourier Transformed Alternating Current Voltammetry. *Analytical Chemistry*, **2017**, 89, 10181-10187	7.8	6
865	Probing biological redox chemistry with large amplitude Fourier transformed ac voltammetry. *Chemical Communications*, **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". *Analytical Chemistry*, **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. *Journal of the American Chemical Society*, **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. *Chemistry - A European Journal*, **2017**, 23, 1346-1352	4.8	10
861	Electrochemistry of cytochrome P450 17-hydroxylase/17,20-lyase (P450c17). *Molecular and Cellular Endocrinology*, **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. *Australian Journal of Chemistry*, **2017**, 70, 990	1.2	3
859	Structural, Spectroscopic, and Electrochemical Characterization of Semi-Conducting, Solvated [Pt(NH3)4](TCNQ)2·(DMF)2 and Non-Solvated [Pt(NH3)4](TCNQ)2. *Australian Journal of Chemistry*, **2017**, 70, 997	1.2	0
858	Hybrid polyoxometalate materials for photo(electro-) chemical applications. *Coordination Chemistry Reviews*, **2016**, 306, 217-234	23.2	253
857	Efficient Enzymatic Oxidation of Glucose Mediated by Ferrocene Covalently Attached to Polyethylenimine Stabilized Gold Nanoparticles. *Electroanalysis*, **2016**, 28, 2728-2736	3	7
856	Parameterization of Water Electrooxidation Catalyzed by Metal Oxides Using Fourier Transformed Alternating Current Voltammetry. *Journal of the American Chemical Society*, **2016**, 138, 16095-16104	16.4	34
855	Electrode Material Dependence of the Electron Transfer Kinetics Associated with the [SVW11O40]3/4-(VV/IV) and [SVW11O40]4/5-(WVI/V) Processes in Dimethylformamide. *Electrochimica Acta*, **2016**, 201, 45-56	6.7	13
854	Room Temperature Electrodeposition of Metallic Magnesium from Ethylmagnesium Bromide in Tetrahydrofuran and Ionic Liquid Mixtures. *Journal of the Electrochemical Society*, **2016**, 163, H3043-H3051	3.9	7
853	Electrochemistry of Iodide, Iodine, and Iodine Monochloride in Chloride Containing Nonhaloaluminate Ionic Liquids. *Analytical Chemistry*, **2016**, 88, 1915-21	7.8	21
852	Electrooxidation of Ethanol and Methanol Using the Molecular Catalyst [{Ru4O4(OH)2(H2O)4}(γ-SiW10O36)2](10.). *Journal of the American Chemical Society*, **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. *Analytical Chemistry*, **2016**, 88, 2367-74	7.8	14
850	Impact of Adsorption on Scanning Electrochemical Microscopy Voltammetry and Implications for Nanogap Measurements. *Analytical Chemistry*, **2016**, 88, 3272-80	7.8	33

849	Electrochemical Reduction of CO2 at Metal Electrodes in a Distillable Ionic Liquid. *ChemSusChem*, **2016**, 9, 1271-8	8.3	31
848	Hydrodynamic Rocking Disc Electrode Study of the TEMPO-mediated Catalytic Oxidation of Primary Alcohols. *Electroanalysis*, **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. *Journal of Solid State Electrochemistry*, **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)]. *Journal of Inorganic Biochemistry*, **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. *Journal of Electroanalytical Chemistry*, **2016**, 779, 67-74	4.1	7
844	Multiparameter Estimation in Voltammetry When an Electron Transfer Process Is Coupled to a Chemical Reaction. *Analytical Chemistry*, **2016**, 88, 4724-32	7.8	16
843	Is the Imidazolium Cation a Unique Promoter for Electrocatalytic Reduction of Carbon Dioxide?. *Journal of Physical Chemistry C*, **2016**, 120, 23989-24001	3.8	76
842	Mass-Transport and Heterogeneous Electron-Transfer Kinetics Associated with the Ferrocene/Ferrocenium Process in Ionic Liquids. *Journal of Physical Chemistry C*, **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. *Journal of Electroanalytical Chemistry*, **2015**, 744, 110-116	4.1	7
840	Determination of fast electrode kinetics facilitated by use of an internal reference. *Analytical Chemistry*, **2015**, 87, 8387-93	7.8	4
839	Diminished Electron Transfer Kinetics for [Ru(NH3)6]3+/2+, [SiW12O40]4/5 and [SiW12O40]5/6 Processes at Boron-Doped Diamond Electrodes. *Journal of Physical Chemistry C*, **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. *Langmuir*, **2015**, 31, 4996-5004	4	24
837	Cyclopalladated complexes containing 2-C6R4PPh2 ligands (R = H, F): one-electron electrochemical reduction leading to metal-carbon bond cleavage via palladium(I). *Dalton Transactions*, **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. *Physical Chemistry Chemical Physics*, **2015**, 17, 19247-54	3.6	16
833	Lindqvist Polyoxoniobate Ion-Assisted Electrodeposition of Cobalt and Nickel Water Oxidation Catalysts. *ACS Applied Materials & Interfaces*, **2015**, 7, 16632-44	9.5	22
832	Voltammetric behavior of 1- and 4-[SV(V)WD] in acidified acetonitrile. *Dalton Transactions*, **2015**, 44, 11660-8	4.3	15

831	Redox Levels of a closo-Osmaborane: A Density Functional Theory, Electron Paramagnetic Resonance and Electrochemical Study. *Inorganic Chemistry*, **2015**, 54, 4292-302	5.1	2
830	Voltammetric studies on the inter-relationship between the redox chemistry of TTF, TTF+, TTF2+ and HTTF+ in acidic media. *RSC Advances*, **2015**, 5, 18384-18390	3.7	10
829	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
828	Probing Electrolyte Cation Effects on the Electron Transfer Kinetics of the [SiW 12 O 40] 4/5 and [SiW 12 O 40] 5/6 Processes using a Boron-Doped Diamond Electrode. *Electrochimica Acta*, **2015**, 178, 631-637	6.7	12
827	Voltammetric Determination of the Iodide/Iodine Formal Potential and Triiodide Stability Constant in Conventional and Ionic Liquid Media. *Journal of Physical Chemistry C*, **2015**, 119, 22392-22403	3.8	75
826	Electrochemical Proton Reduction and Equilibrium Acidity (pKa) in Aprotic Ionic Liquids: Protonated Amines and Sulfonamide Acids. *Journal of Physical Chemistry C*, **2015**, 119, 21828-21839	3.8	21
825	Electrochemical Proton Reduction and Equilibrium Acidity (pKa) in Aprotic Ionic Liquids: Phenols, Carboxylic Acids, and Sulfonic Acids. *Journal of Physical Chemistry C*, **2015**, 119, 21840-21851	3.8	14
824	Electrochemical evidence that pyranopterin redox chemistry controls the catalysis of YedY, a mononuclear Mo enzyme. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 14506-11	11.5	35
823	An SECM study on the influence of cationic, membrane-active peptides on a gold-supported self-assembled monolayer. *Electrochemistry Communications*, **2015**, 51, 11-14	5.1	11
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