Jie Zhang

List of Publications by Year in descending order

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242 papers	10,588 citations	31902 53 h-index	46693 89 g-index
244 all docs	244 docs citations	244 times ranked	11007 citing authors

#	Article	IF	Citations
1	Electrochemical Hydrogenation of Furfural in Aqueous Acetic Acid Media with Enhanced 2â€Methylfuran Selectivity Using CuPd Bimetallic Catalysts. Angewandte Chemie, 2022, 134, .	1.6	9
2	Advanced Spatiotemporal Voltammetric Techniques for Kinetic Analysis and Active Site Determination in the Electrochemical Reduction of CO₂. Accounts of Chemical Research, 2022, 55, 241-251.	7.6	26
3	Electrochemical Hydrogenation of Furfural in Aqueous Acetic Acid Media with Enhanced 2â€Methylfuran Selectivity Using CuPd Bimetallic Catalysts. Angewandte Chemie - International Edition, 2022, 61, .	7.2	33
4	Ultraâ€thin Pd and CuPd Bimetallic Alloy Nanosheets for Electrochemical Reduction of CO₂. ChemElectroChem, 2022, 9, .	1.7	2
5	TiO₂ nanocrystal rods on titanium microwires: growth, vacuum annealing, and photoelectrochemical oxygen evolution. New Journal of Chemistry, 2022, 46, 8385-8392.	1.4	2
6	Opportunities and challenges in applying machine learning to voltammetric mechanistic studies. Current Opinion in Electrochemistry, 2022, 34, 101009.	2.5	12
7	Production of hydrogen peroxide in formulated beverages is associated with the presence of ascorbic acid combined with selected redox-active functional ingredients. Food Chemistry, 2021, 338, 127947.	4.2	30
8	Using Purely Sinusoidal Voltammetry for Rapid Inference of Surface-Confined Electrochemical Reaction Parameters. Analytical Chemistry, 2021, 93, 2062-2071.	3.2	10
9	Selective electrochemical hydrogenation of furfural to 2-methylfuran over a single atom Cu catalyst under mild pH conditions. Green Chemistry, 2021, 23, 3028-3038.	4.6	43
10	Architectural Design for Enhanced C₂ Product Selectivity in Electrochemical CO₂ Reduction Using Cu-Based Catalysts: A Review. ACS Nano, 2021, 15, 7975-8000.	7.3	183
11	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.	1.7	9
12	CdSâ€Enhanced Ethanol Selectivity in Electrocatalytic CO₂ Reduction at Sulfideâ€Derived Cuâ"Cd. ChemSusChem, 2021, 14, 2924-2934.	3.6	18
13	Atomic nickel cluster decorated defect-rich copper for enhanced C2 product selectivity in electrocatalytic CO2 reduction. Applied Catalysis B: Environmental, 2021, 291, 120030.	10.8	66
14	Lithium/bismuth co-functionalized phosphotungstic acid catalyst for promoting dinitrogen electroreduction with high Faradaic efficiency. Cell Reports Physical Science, 2021, 2, 100557.	2.8	11
15	Recent advances and future perspectives for automated parameterisation, Bayesian inference and machine learning in voltammetry. Chemical Communications, 2021, 57, 1855-1870.	2.2	35
16	Inclusion of multiple cycling of potential in the deep neural network classification of voltammetric reaction mechanisms. Faraday Discussions, 2021, 233, 44-57.	1.6	10
17	Twoâ€Dimensional Electrocatalysts for Efficient Reduction of Carbon Dioxide. ChemSusChem, 2020, 13, 59-77.	3.6	31
18	Modelling limitations encountered in the thermodynamic and electrode kinetic parameterization of the Î±-[S2W18O62]4â"/5â"/6â" processes at glassy carbon and metal electrodes. Journal of Electroanalytical Chemistry, 2020, 872, 113786.	1.9	8

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19	Unique Layerâ€Dopingâ€Induced Regulation of Charge Behavior in Metalâ€Free Carbon Nitride Photoanodes for Enhanced Performance. ChemSusChem, 2020, 13, 328-333.	3.6	16
20	Identification of Mechanistic Subtleties that Apply to Voltammetric Studies at Boron-Doped Diamond Electrodes. Journal of Physical Chemistry C, 2020, 124, 24232-24244.	1.5	1
21	Modeling the Influence of Low Concentrations of Water on the Thermodynamics, Electron Transfer Kinetics, and Diffusivity of the [Ru(CN)6]4â€“/3â€“ Process in Propylene Carbonate. Journal of Physical Chemistry C, 2020, 124, 13726-13738.	1.5	1
22	Thermodynamics, Electrode Kinetics, and Mechanistic Nuances Associated with the Voltammetric Reduction of Dissolved [n-Bu4N]4[PW11O39{Sn(C6H4)Câ‰¡C(C6H4)(N3C4H10)}] and a Surface-Confined Diazonium Derivative. ACS Applied Energy Materials, 2020, 3, 3991-4006.	2.5	8
23	Electrocatalytic carbon dioxide reduction: from fundamental principles to catalyst design. Materials Today Advances, 2020, 7, 100074.	2.5	95
24	Electrode Material Dependence, Ion Pairing, and Progressive Increase in Complexity of the Î±-[S₂W₁₈O₆₂]^{4â€“/5â€“/6â€“/7â€“/8â€“/9â€“/10â€“} Reduction Processes in Acetonitrile Containing [n-Bu₄N][PF₆] as the Supporting Electrolyte. Journal of Physical Chemistry C, 2020, 124, 16032-16047.	1.5	4
25	Impact of the Lithium Cation on the Voltammetry and Spectroscopy of [XVM₁₁O₄₀]^{nâ^’} (X = P, As (n = 4), S (n = 3); M =) Tj ET Q q1 1 0.784314 rg		
26	The Origin of the Electrocatalytic Activity for CO₂ Reduction Associated with Metalâ€Organic Frameworks. ChemSusChem, 2020, 13, 2552-2556.	3.6	17
27	Can Electrification of Ammonia Synthesis Decrease Its Carbon Footprint?. Joule, 2020, 4, 12-14.	11.7	14
28	Mechanistic understanding of the electrocatalytic CO2 reduction reaction â€“ New developments based on advanced instrumental techniques. Nano Today, 2020, 31, 100835.	6.2	80
29	Electrohydrogenation of Carbon Dioxide using a Ternary Pd/Cu₂Oâ€“Cu Catalyst. ChemSusChem, 2019, 12, 4471-4479.	3.6	15
30	Reply to Comment on Stabilization of Lowâ€Valent Iron(I) in a Highâ€Valent Vanadium(V) Oxide Cluster. Angewandte Chemie - International Edition, 2019, 58, 10048-10050.	7.2	7
31	Models and Their Limitations in the Voltammmetric Parameterization of the Sixâ€Electron Surfaceâ€Confined Reduction of [PMo₁₂O₄₀]^{3â^’} at Glassy Carbon and Boronâ€Doped Diamond Electrodes. ChemElectroChem, 2019, 6, 5499-5510.	1.7	12
32	Electrocatalytic CO₂ Reduction to Formate on Cu Based Surface Alloys with Enhanced Selectivity. ACS Sustainable Chemistry and Engineering, 2019, 7, 19453-19462.	3.2	29
33	Automatically Identifying Electrode Reaction Mechanisms Using Deep Neural Networks. Analytical Chemistry, 2019, 91, 12220-12227.	3.2	32
34	Unprecedented Formation of a Binuclear Au(II)â€“Au(II) Complex through Redox State Cycling: Electrochemical Interconversion of Au(I)â€“Au(I), Au(II)â€“Au(II), and Au(I)â€“Au(III) in Binuclear Complexes Containing the Carbanionic Ligand C6F4PPh2. Inorganic Chemistry, 2019, 58, 13999-14004.	1.9	7
35	Radio frequency alternating electromagnetic field enhanced tetraruthenium polyoxometalate electrocatalytic water oxidation. Chemical Communications, 2019, 55, 1032-1035.	2.2	8
36	Conversion of dinitrogen to ammonia on Ru atoms supported on boron sheets: a DFT study. Journal of Materials Chemistry A, 2019, 7, 4771-4776.	5.2	251

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37	Dual Quantum Dotâ€Decorated Bismuth Vanadate Photoanodes for Highly Efficient Solar Water Oxidation. ChemSusChem, 2019, 12, 1240-1245.	3.6	19
38	Single-Boron Catalysts for Nitrogen Reduction Reaction. Journal of the American Chemical Society, 2019, 141, 2884-2888.	6.6	497
39	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.	1.5	19
40	Spectroscopic Insights into the Mechanism of Selective Catalytic Reduction of NO by Ammonia on Sulfuric Acidâ€modified Fe 2 O 3 Surface. ChemCatChem, 2019, 11, 3035-3041.	1.8	9
41	Stepping towards Solar Water Splitting: Recent Progress in Bismuth Vanadate Photoanodes. ChemElectroChem, 2019, 6, 3227-3243.	1.7	42
42	Application of Bayesian Inference in Fourier-Transformed Alternating Current Voltammetry for Electrode Kinetic Mechanism Distinction. Analytical Chemistry, 2019, 91, 5303-5309.	3.2	18
43	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.	15.6	230
44	Oxomolybdate anchored on copper for electrocatalytic hydrogen production over the entire pH range. Applied Catalysis B: Environmental, 2019, 249, 227-234.	10.8	14
45	Separating the Effects of Experimental Noise from Inherent System Variability in Voltammetry: The [Fe(CN)₆]^{3â€“/4â€“} Process. Analytical Chemistry, 2019, 91, 1944-1953.	3.2	11
46	Phosphomolybdic Acidâ€Assisted Growth of Ultrathin Bismuth Nanosheets for Enhanced Electrocatalytic Reduction of CO₂ to Formate. ChemSusChem, 2019, 12, 1091-1100.	3.6	38
47	Size Controllable Metal Nanoparticles Anchored on Nitrogen Doped Carbon for Electrocatalytic Energy Conversion. ChemElectroChem, 2019, 6, 1508-1513.	1.7	4
48	Recent advances in the nanoengineering of electrocatalysts for CO₂reduction. Nanoscale, 2018, 10, 6235-6260.	2.8	139
49	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.	2.6	56
50	Demonstration of Superiority of the Marcusâ€“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.	1.5	11
51	Electrochemical reduction of CO₂on defect-rich Bi derived from Bi₂S₃with enhanced formate selectivity. Journal of Materials Chemistry A, 2018, 6, 4714-4720.	5.2	144
52	Identification of a new substrate effect that enhances the electrocatalytic activity of dendritic tin in CO2 reduction. Physical Chemistry Chemical Physics, 2018, 20, 5936-5941.	1.3	20
53	Advanced Composite 2D Energy Materials by Simultaneous Anodic and Cathodic Exfoliation. Advanced Energy Materials, 2018, 8, 1702794.	10.2	41
54	Stannate derived bimetallic nanoparticles for electrocatalytic CO₂ reduction. Journal of Materials Chemistry A, 2018, 6, 7851-7858.	5.2	61

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55	Polyoxometalate-Promoted Electrocatalytic CO₂ Reduction at Nanostructured Silver in Dimethylformamide. ACS Applied Materials & Interfaces, 2018, 10, 12690-12697.	4.0	63
56	Voltammetric Perspectives on the Acidity Scale and H⁺/H₂ Process in Ionic Liquid Media. Annual Review of Analytical Chemistry, 2018, 11, 397-419.	2.8	8
57	Electrodeposition of nanocrystalline zincâ€tin alloy from aqueous electrolyte containing gluconate in the presence of polyethylene glycol and hexadecyltrimethylammonium bromide. Journal of Electroanalytical Chemistry, 2018, 813, 143-151.	1.9	9
58	Use of Bayesian Inference for Parameter Recovery in DC and AC Voltammetry. ChemElectroChem, 2018, 5, 917-935.	1.7	26
59	Electrolyte cation dependence of the electron transfer kinetics associated with the [SVW11O40]3â€“/4â€“ (V/IV) and [SVW11O40]4â€“/5â€“ (WVI/V) processes in propylene carbonate. Journal of Electroanalytical Chemistry, 2018, 819, 193-201.	1.9	6
60	Ultra-small Cu nanoparticles embedded in N-doped carbon arrays for electrocatalytic CO2 reduction reaction in dimethylformamide. Nano Research, 2018, 11, 3678-3690.	5.8	17
61	Mechanical properties of electrodeposited nanocrystalline and ultrafine-grained Zn-Sn coatings. Surface and Coatings Technology, 2018, 333, 71-80.	2.2	16
62	Theoretical Evaluation of Possible 2D Boron Monolayer in N₂ Electrochemical Conversion into Ammonia. Journal of Physical Chemistry C, 2018, 122, 25268-25273.	1.5	91
63	Integration of Heuristic and Automated Parametrization of Three Unresolved Twoâ€Electron Surfaceâ€Confined Polyoxometalate Reduction Processes by AC Voltammetry. ChemElectroChem, 2018, 5, 3771-3785.	1.7	13
64	NiO Nanoparticles Anchored on Phosphorusâ€Doped Î±â€Fe₂O₃ Nanoarrays: An Efficient Hole Extraction pâ€“n Heterojunction Photoanode for Water Oxidation. ChemSusChem, 2018, 11, 2156-2164.	3.6	69
65	Two-Dimensional Boron Sheets as Metal-Free Catalysts for Hydrogen Evolution Reaction. Journal of Physical Chemistry C, 2018, 122, 19051-19055.	1.5	63
66	Variation of Carbon Based Materials on the Electropolymerization of Tyramine. Electroanalysis, 2018, 30, 1545-1555.	1.5	1
67	Double-Layer Capacitance at Ionic Liquidâ€“Boron-Doped Diamond Electrode Interfaces Studied by Fourier Transformed Alternating Current Voltammetry. Journal of Physical Chemistry C, 2018, 122, 11777-11788.	1.5	9
68	Fourier transformed alternating current voltammetry in electromaterials research: Direct visualisation of important underlying electron transfer processes. Current Opinion in Electrochemistry, 2018, 10, 72-81.	2.5	28
69	Controllable Synthesis of Fewâ€Layer Bismuth Subcarbonate by Electrochemical Exfoliation for Enhanced CO₂ Reduction Performance. Angewandte Chemie - International Edition, 2018, 57, 13283-13287.	7.2	141
70	Controllable Synthesis of Fewâ€Layer Bismuth Subcarbonate by Electrochemical Exfoliation for Enhanced CO₂ Reduction Performance. Angewandte Chemie, 2018, 130, 13467-13471.	1.6	42
71	Bismuth Vanadate with Electrostatically Anchored 3D Carbon Nitride Nanoâ€networks as Efficient Photoanodes for Water Oxidation. ChemSusChem, 2018, 11, 2510-2516.	3.6	25
72	Chapter 7. Electrocarboxylation in Ionic Liquids. RSC Energy and Environment Series, 2018, , 160-181.	0.2	2

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73	Probing Electrode Heterogeneity Using Fourier-Transformed Alternating Current Voltammetry: Application to a Dual-Electrode Configuration. Analytical Chemistry, 2017, 89, 2830-2837.	3.2	13
74	PdCu@Pd Nanocube with Pt-like Activity for Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2017, 9, 8151-8160.	4.0	114
75	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.	1.3	24
76	Electrochemical Reduction of CO₂ with an Oxideâ€Derived Lead Nanoâ€Coralline Electrode in Dimcarb. ChemElectroChem, 2017, 4, 1402-1410.	1.7	22
77	Probing Electrode Heterogeneity using Fourier-Transformed Alternating Current Voltammetry: Protocol Development. Electrochimica Acta, 2017, 240, 514-521.	2.6	6
78	Large-Amplitude Fourier-Transformed AC Voltammetric Study of the Capacitive Electrochemical Behavior of the 1-Butyl-3-methylimidazolium Tetrafluoroborateâ€“Polycrystalline Gold Electrode Interface. Journal of Physical Chemistry C, 2017, 121, 12136-12147.	1.5	20
79	Enhanced NADH Oxidation Using Polytyramine/Carbon Nanotube Modified Electrodes for Ethanol Biosensing. Electroanalysis, 2017, 29, 1985-1993.	1.5	13
80	Porous nitrogenâ€“doped carbon derived from biomass for electrocatalytic reduction of CO2 to CO. Electrochimica Acta, 2017, 245, 561-568.	2.6	76
81	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.	5.5	60
82	Hierarchical Mesoporous SnO₂ Nanosheets on Carbon Cloth: A Robust and Flexible Electrocatalyst for CO₂ Reduction with High Efficiency and Selectivity. Angewandte Chemie - International Edition, 2017, 56, 505-509.	7.2	526
83	Unlocking the Electrocatalytic Activity of Antimony for CO₂ Reduction by Twoâ€Dimensional Engineering of the Bulk Material. Angewandte Chemie - International Edition, 2017, 56, 14718-14722.	7.2	164
84	Unlocking the Electrocatalytic Activity of Antimony for CO₂ Reduction by Twoâ€Dimensional Engineering of the Bulk Material. Angewandte Chemie, 2017, 129, 14910-14914.	1.6	58
85	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.	5.2	26
86	Stabilization of Lowâ€Valent Iron(I) in a Highâ€Valent Vanadium(V) Oxide Cluster. Angewandte Chemie - International Edition, 2017, 56, 14749-14752.	7.2	45
87	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.	2.6	3
88	Electrochemical maps and movies of the hydrogen evolution reaction on natural crystals of molybdenite (MoS₂): basal vs. edge plane activity. Chemical Science, 2017, 8, 6583-6593.	3.7	159
89	Electrochemical Reduction of Carbon Dioxide in a Monoethanolamine Capture Medium. ChemSusChem, 2017, 10, 4109-4118.	3.6	75
90	Influence of Tip and Substrate Properties and Nonsteady-State Effects on Nanogap Kinetic Measurements: Response to Comment on â€œImpact of Adsorption on Scanning Electrochemical Microscopy Voltammetry and Implications for Nanogap Measurementsâ€• Analytical Chemistry, 2017, 89, 7273-7276.	3.2	9

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91	Towards a better Sn: Efficient electrocatalytic reduction of CO 2 to formate by Sn/SnS 2 derived from SnS 2 nanosheets. Nano Energy, 2017, 31, 270-277.	8.2	261
92	Electrodeposition of Nanocrystalline Zinc from Sulfate and Sulfate-Gluconate Electrolytes in the Presence of Additives. Journal of the Electrochemical Society, 2016, 163, D476-D484.	1.3	10
93	Electrochemical Reduction of CO₂ at Metal Electrodes in a Distillable Ionic Liquid. ChemSusChem, 2016, 9, 1271-1278.	3.6	37
94	Bioinspired Electrocatalytic CO₂ Reduction by Bovine Serum Albuminâ€Capped Silver Nanoclusters Mediated by [Î±â€SiW₁₂O₄₀]^{4â^’}. ChemSusChem, 2016, 9, 80-87.	3.6	29
95	Influence of 1-butyl-3-methylimidazolium on the electron transfer kinetics associated with the [SVW 11 O 40] 3â^’/4â^’ (V V/IV) and [SVW 11 O 40] 4â^’/5â^’ (W VI/V) processes in dimethylformamide. Journal of Electroanalytical Chemistry, 2016, 779, 67-74.	1.9	8
96	Is the Imidazolium Cation a Unique Promoter for Electrocatalytic Reduction of Carbon Dioxide?. Journal of Physical Chemistry C, 2016, 120, 23989-24001.	1.5	100
97	A Facile Chemicalâ€Free and Universal Method for Transfer of Ultrathin Grapheneâ€Based Films. Advanced Materials Interfaces, 2016, 3, 1600540.	1.9	2
98	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.	1.5	44
99	Efficient Enzymatic Oxidation of Glucose Mediated by Ferrocene Covalently Attached to Polyethylenimine Stabilized Gold Nanoparticles. Electroanalysis, 2016, 28, 2728-2736.	1.5	10
100	Ionic liquids and their solid-state analogues as materials for energy generation and storage. Nature Reviews Materials, 2016, 1, .	23.3	511
101	Mixed-Metal Hybrid Polyoxometalates with Amino Acid Ligands: Electronic Versatility and Solution Properties. Inorganic Chemistry, 2016, 55, 12329-12347.	1.9	14
102	Electrode Material Dependence of the Electron Transfer Kinetics Associated with the [SVW11O40]3â^’/4â^’ (VV/IV) and [SVW11O40]4â^’/5â^’ (WVI/V) Processes in Dimethylformamide. Electrochimica Acta, 2016, 201, 45-56.	2.6	15
103	Polyethylenimine promoted electrocatalytic reduction of CO₂to CO in aqueous medium by graphene-supported amorphous molybdenum sulphide. Energy and Environmental Science, 2016, 9, 216-223.	15.6	156
104	Room Temperature Electrodeposition of Metallic Magnesium from Ethylmagnesium Bromide in Tetrahydrofuran and Ionic Liquid Mixtures. Journal of the Electrochemical Society, 2016, 163, H3043-H3051.	1.3	9
105	Electrochemistry of Iodide, Iodine, and Iodine Monochloride in Chloride Containing Nonhaloaluminate Ionic Liquids. Analytical Chemistry, 2016, 88, 1915-1921.	3.2	32
106	Electrooxidation of Ethanol and Methanol Using the Molecular Catalyst [{Ru₄O₄(OH)₂(H₂O)₄}(Î³-SiW₁₀O₃₆)₂]. Journal of the American Chemical Society, 2016, 138, 2617-2628.	13.8	51
107	Predicting ¹⁷O NMR chemical shifts of polyoxometalates using density functional theory. Physical Chemistry Chemical Physics, 2016, 18, 8235-8241.	1.3	4
108	Effect of the N-based ligands in copper complexes for depolymerisation of lignin. New Journal of Chemistry, 2016, 40, 3511-3519.	1.4	12

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109	Dual-Frequency Alternating Current Designer Waveform for Reliable Voltammetric Determination of Electrode Kinetics Approaching the Reversible Limit. Analytical Chemistry, 2016, 88, 2367-2374.	3.2	21
110	Impact of Adsorption on Scanning Electrochemical Microscopy Voltammetry and Implications for Nanogap Measurements. Analytical Chemistry, 2016, 88, 3272-3280.	3.2	39
111	Fourier Transformed Large Amplitude Alternating Current Voltammetry: Principles and Applications. Review of Polarography, 2015, 61, 21-32.	0.0	52
112	Changing the Action of Iron from Stoichiometric to Electrocatalytic in the Hydrogenation of Ketones in Aqueous Acidic Media. ChemSusChem, 2015, 8, 3712-3717.	3.6	2
113	One pot synthesis of poly(5-hydroxyl-1,4-naphthoquinone) stabilized gold nanoparticles using the monomer as the reducing agent for nonenzymatic electrochemical detection of glucose. Analytica Chimica Acta, 2015, 856, 27-34.	2.6	17
114	Determination of Fast Electrode Kinetics Facilitated by Use of an Internal Reference. Analytical Chemistry, 2015, 87, 8387-8393.	3.2	5
115	Diminished Electron Transfer Kinetics for [Ru(NH₃)₆]^{3+/2+}, [Î±-SiW₁₂O₄₀]^{4â€“/5â€“}, and [Î±-SiW₁₂O₄₀]^{5â€“/6â€“} Processes at Boron-Doped Diamond Electrodes. Journal of Physical Chemistry C, 2015, 119, 12464-12472.	1.5	21
116	Electroanalytical Applications of Semiintegral and Convolution Voltammetry in Room-Temperature Ionic Liquids. , 2015, , 143-167.		1
117	Voltammetry of Adhered Microparticles in Contact with Ionic Liquids: Principles and Applications. , 2015, , 405-433.		0
118	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, 19247-19254.	1.3	19
119	Lindqvist Polyoxoniobate Ion-Assisted Electrodeposition of Cobalt and Nickel Water Oxidation Catalysts. ACS Applied Materials & Interfaces, 2015, 7, 16632-16644.	4.0	35
120	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.	2.3	66
121	Probing Electrolyte Cation Effects on the Electron Transfer Kinetics of the [Î±-SiW 12 O 40] 4â^'/5â^' and [Î±-SiW 12 O 40] 5â^'/6â^' Processes using a Boron-Doped Diamond Electrode. Electrochimica Acta, 2015, 178, 631-637.	2.6	14
122	pH-Dependent solution dynamics of a manganese(ii) polyoxometalate, [Mn4(H2O)2(P2W15O56)2]16â^', and [Mn(H2O)6]2+. Dalton Transactions, 2015, 44, 19068-19071.	1.6	6
123	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.	1.5	102
124	Electrochemical Proton Reduction and Equilibrium Acidity (pK_a) in Aprotic Ionic Liquids: Protonated Amines and Sulfonamide Acids. Journal of Physical Chemistry C, 2015, 119, 21828-21839.	1.5	23
125	Electrochemical Proton Reduction and Equilibrium Acidity (pK_a) in Aprotic Ionic Liquids: Phenols, Carboxylic Acids, and Sulfonic Acids. Journal of Physical Chemistry C, 2015, 119, 21840-21851.	1.5	16
126	Electroless deposition of iridium oxide nanoparticles promoted by condensation of [Ir(OH)₆]^{2â^'}on an anodized Au surface: application to electrocatalysis of the oxygen evolution reaction. RSC Advances, 2015, 5, 3196-3199.	1.7	35

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127	Mass Transport Studies and Hydrogen Evolution at a Platinum Electrode Using Bis(trifluoromethanesulfonyl)imide as the Proton Source in Ionic Liquids and Conventional Solvents. Journal of Physical Chemistry C, 2014, 118, 29663-29673.	1.5	24
128	Modular Molecules: Siteâ€Selective Metal Substitution, Photoreduction, and Chirality in Polyoxometalate Hybrids. Chemistry - A European Journal, 2014, 20, 14102-14111.	1.7	30
129	Fourierâ€Transformed Largeâ€Amplitude AC Voltammetric Study of Tetrathiafulvalene (TTF): Electrode Kinetics of the TTF⁰/TTF^{.+} and TTF^{.+}/TTF²⁺ Processes. ChemElectroChem, 2014, 1, 99-107.	1.7	17
130	Direct Electrodeposition of Grapheneâ€Gold Nanocomposite Films for Ultrasensitive Voltammetric Determination of Mercury(II). Electroanalysis, 2014, 26, 121-128.	1.5	53
131	Electrocarboxylation of acetophenone in ionic liquids: the influence of proton availability on product distribution. Green Chemistry, 2014, 16, 2242-2251.	4.6	44
132	Selective laser sintering of TiO₂ nanoparticle film on plastic conductive substrate for highly efficient flexible dye-sensitized solar cell application. Journal of Materials Chemistry A, 2014, 2, 4566-4573.	5.2	40
133	Two Tetra-Cd^{II}-Substituted Vanadogermanate Frameworks. Journal of the American Chemical Society, 2014, 136, 5065-5071.	6.6	89
134	Facile electrochemical co-deposition of a grapheneâ€“cobalt nanocomposite for highly efficient water oxidation in alkaline media: direct detection of underlying electron transfer reactions under catalytic turnover conditions. Physical Chemistry Chemical Physics, 2014, 16, 19035-19045.	1.3	46
135	Mediator Enhanced Water Oxidation Using Rb₄[Ru^{II}(bpy)₃]₅[{Ru^{III}₄O₄(OH)₂ Film Modified Electrodes. Inorganic Chemistry, 2014, 53, 7561-7570.	4.8	26
136	Electrochemistry of nickel(II) and copper(II) N,Nâ€²-ethylenebis(acetylacetoniminato) complexes and their electrocatalytic activity for reduction of carbon dioxide and carboxylic acid protons. Transition Metal Chemistry, 2014, 39, 819-830.	0.7	19
137	Synthesis, characterization and morphology of reduced graphene oxideâ€“metalâ€“TCNQ nanocomposites. Journal of Materials Chemistry C, 2014, 2, 870-878.	2.7	45
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