

Neil V Rees

List of Publications by Year in descending order

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126
papers

5,976
citations

76196

40
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79541

73
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128
all docs

128
docs citations

128
times ranked

5659
citing authors

#	ARTICLE	IF	CITATIONS
1	The Electrochemical Detection and Characterization of Silver Nanoparticles in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4219-4221.	7.2	467
2	Hydrogen selective membranes: A review of palladium-based dense metal membranes. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 47, 540-551.	8.2	326
3	Carbon-free energy: a review of ammonia- and hydrazine-based electrochemical fuel cells. <i>Energy and Environmental Science</i> , 2011, 4, 1255.	15.6	251
4	Electrochemical determination of nitrite at a bare glassy carbon electrode; why chemically modify electrodes?. <i>Sensors and Actuators B: Chemical</i> , 2010, 143, 539-546.	4.0	204
5	Sustainable energy: a review of formic acid electrochemical fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 2095-2100.	1.2	201
6	Effects of thin-layer diffusion in the electrochemical detection of nicotine on basal plane pyrolytic graphite (BPPG) electrodes modified with layers of multi-walled carbon nanotubes (MWCNT-BPPG). <i>Sensors and Actuators B: Chemical</i> , 2010, 144, 153-158.	4.0	158
7	How Much Supporting Electrolyte Is Required to Make a Cyclic Voltammetry Experiment Quantitatively "Diffusional"? A Theoretical and Experimental Investigation. <i>Journal of Physical Chemistry C</i> , 2009, 113, 11157-11171.	1.5	155
8	Marcus's "Hush" Chidsey theory of electron transfer applied to voltammetry: A review. <i>Electrochimica Acta</i> , 2012, 84, 12-20.	2.6	150
9	Gold nanoparticles show electroactivity: counting and sorting nanoparticles upon impact with electrodes. <i>Chemical Communications</i> , 2012, 48, 224-226.	2.2	144
10	Enhancement of the Hydrogen Evolution Reaction from Ni-MoS ₂ Hybrid Nanoclusters. <i>ACS Catalysis</i> , 2016, 6, 6008-6017.	5.5	122
11	Design, fabrication, characterisation and application of nanoelectrode arrays. <i>Chemical Physics Letters</i> , 2008, 459, 1-17.	1.2	118
12	Determining unknown concentrations of nanoparticles: the particle-impact electrochemistry of nickel and silver. <i>RSC Advances</i> , 2012, 2, 6879.	1.7	109
13	Electrochemical insight from nanoparticle collisions with electrodes: A mini-review. <i>Electrochemistry Communications</i> , 2014, 43, 83-86.	2.3	102
14	Nanoparticle-electrode impacts: the oxidation of copper nanoparticles has slow kinetics. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13612.	1.3	94
15	Direct electrochemical detection and sizing of silver nanoparticles in seawater media. <i>Nanoscale</i> , 2013, 5, 174-177.	2.8	88
16	Coulometric sizing of nanoparticles: Cathodic and anodic impact experiments open two independent routes to electrochemical sizing of Fe ₃ O ₄ nanoparticles. <i>Nano Research</i> , 2013, 6, 836-841.	5.8	87
17	The Aggregation of Silver Nanoparticles in Aqueous Solution Investigated via Anodic Particle Coulometry. <i>ChemPhysChem</i> , 2011, 12, 1645-1647.	1.0	85
18	Benchmarking the Activity, Stability, and Inherent Electrochemistry of Amorphous Molybdenum Sulfide for Hydrogen Production. <i>Advanced Energy Materials</i> , 2019, 9, 1802614.	10.2	85

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19	Electrochemical CO ₂ sequestration in ionic liquids; a perspective. <i>Energy and Environmental Science</i> , 2011, 4, 403-408.	15.6	84
20	Electron transfer kinetics at single nanoparticles. <i>Nano Today</i> , 2012, 7, 174-179.	6.2	83
21	Making contact: charge transfer during particle-electrode collisions. <i>RSC Advances</i> , 2012, 2, 379-384.	1.7	81
22	Selective electrochemical glycosylation by reactivity tuning ¹ . <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 2195.	1.5	72
23	The electrochemical detection of tagged nanoparticles via particle-electrode collisions: nanoanalysis beyond immobilisation. <i>Chemical Communications</i> , 2012, 48, 2510.	2.2	68
24	New Electrochemical Methods. <i>Analytical Chemistry</i> , 2012, 84, 669-684.	3.2	66
25	Nanoparticle-Electrode Collision Processes: The Underpotential deposition of Thallium on Silver Nanoparticles in Aqueous Solution. <i>ChemPhysChem</i> , 2011, 12, 2085-2087.	1.0	62
26	Marcus theory of outer-sphere heterogeneous electron transfer reactions: High precision steady-state measurements of the standard electrochemical rate constant for ferrocene derivatives in alkyl cyanide solvents. <i>Journal of Electroanalytical Chemistry</i> , 2005, 580, 78-86.	1.9	61
27	The charge transfer kinetics of the oxidation of silver and nickel nanoparticles via particle-electrode impact electrochemistry. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14354.	1.3	61
28	Sonoelectrochemistry Understood via Nanosecond Voltammetry: Sono-emulsions and the Measurement of the Potential of Zero Charge of a Solid Electrode. <i>Journal of Physical Chemistry B</i> , 2002, 106, 5810-5813.	1.2	58
29	Marcus Theory of Outer-Sphere Heterogeneous Electron Transfer Reactions: Dependence of the Standard Electrochemical Rate Constant on the Hydrodynamic Radius from High Precision Measurements of the Oxidation of Anthracene and Its Derivatives in Nonaqueous Solvents Using the High-Speed Channel Electrode. <i>Journal of the American Chemical Society</i> , 2004, 126, 6185-6192.	6.6	57
30	Voltammetry under High Mass Transport Conditions. A High Speed Channel Electrode for the Study of Ultrafast Kinetics. <i>The Journal of Physical Chemistry</i> , 1995, 99, 7096-7101.	2.9	56
31	Hydrogen evolution enhancement of ultra-low loading, size-selected molybdenum sulfide nanoclusters by sulfur enrichment. <i>Applied Catalysis B: Environmental</i> , 2018, 235, 84-91.	10.8	56
32	Voltammetry Under High Mass Transport Conditions. The High Speed Channel Electrode and Heterogeneous Kinetics. <i>The Journal of Physical Chemistry</i> , 1995, 99, 14813-14818.	2.9	52
33	Investigating the reactive sites and the anomalously large changes in surface pKa values of chemically modified carbon nanotubes of different morphologies. <i>Journal of Materials Chemistry</i> , 2007, 17, 2616.	6.7	52
34	Ultrafast Chronoamperometry of Acoustically Agitated Solid Particulate Suspensions: Nonfaradaic and Faradaic Processes at a Polycrystalline Gold Electrode. <i>Journal of Physical Chemistry B</i> , 2004, 108, 18391-18394.	1.2	49
35	Effect of catalyst carbon supports on the oxygen reduction reaction in alkaline media: a comparative study. <i>RSC Advances</i> , 2016, 6, 94669-94681.	1.7	49
36	Nanoparticle electrochemistry. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 24812-24819.	1.3	48

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37	Sonoelectrochemistry in acoustically emulsified media. <i>Journal of Electroanalytical Chemistry</i> , 2002, 535, 41-47.	1.9	46
38	“Metal-free” electrocatalysis: Quaternary-doped graphene and the alkaline oxygen reduction reaction. <i>Applied Catalysis A: General</i> , 2018, 553, 107-116.	2.2	46
39	Nanoparticle “electrode collision processes: The electroplating of bulk cadmium on impacting silver nanoparticles. <i>Chemical Physics Letters</i> , 2011, 511, 183-186.	1.2	45
40	Theoretical and experimental study of Differential Pulse Voltammetry at spherical electrodes: Measuring diffusion coefficients and formal potentials. <i>Journal of Electroanalytical Chemistry</i> , 2009, 634, 73-81.	1.9	40
41	Behavior of the Heterogeneous Electron-Transfer Rate Constants of Arenes and Substituted Anthracenes in Room-Temperature Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1650-1657.	1.5	39
42	Giving physical insight into the Butler “Volmer model of electrode kinetics: Application of asymmetric Marcus “Hush theory to the study of the electroreductions of 2-methyl-2-nitropropane, cyclooctatetraene and europium(III) on mercury microelectrodes. <i>Journal of Electroanalytical Chemistry</i> , 2012, 672, 45-52.	1.9	39
43	The electro-oxidation of N,N-dimethyl-p-toluidine in acetonitrile. <i>Journal of Electroanalytical Chemistry</i> , 2002, 531, 33-42.	1.9	38
44	Quantitative Voltammetry in Weakly Supported Media: Effects of the Applied Overpotential and Supporting Electrolyte Concentration on the One Electron Oxidation of Ferrocene in Acetonitrile. <i>Journal of Physical Chemistry C</i> , 2009, 113, 333-337.	1.5	38
45	Microwave enhanced electrochemistry: mass transport effects and steady state voltammetry in the sub-millisecond time domain. <i>Journal of Electroanalytical Chemistry</i> , 2004, 573, 175-182.	1.9	37
46	Ultrafast Chronoamperometry of Single Impact Events in Acoustically Agitated Solid Particulate Suspensions. <i>ChemPhysChem</i> , 2006, 7, 807-811.	1.0	37
47	Quantitative Voltammetry in Weakly Supported Media. Chronoamperometric Studies on Diverse One Electron Redox Couples Containing Various Charged Species: Dissecting Diffusional and Migrational Contributions and Assessing the Breakdown of Electroneutrality. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2227-2236.	1.5	37
48	Experimental Comparison of the Marcus “Hush and Butler “Volmer Descriptions of Electrode Kinetics. The One-Electron Oxidation of 9,10-Diphenylanthracene and One-Electron Reduction of 2-Nitropropane Studied at High-Speed Channel Microband Electrodes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14876-14882.	1.5	37
49	Electrode “nanoparticle collisions: The measurement of the sticking coefficient of silver nanoparticles on a glassy carbon electrode. <i>Chemical Physics Letters</i> , 2011, 514, 291-293.	1.2	36
50	Selective activation of glycosyl donors utilising electrochemical techniques: a study of the thermodynamic oxidation potentials of a range of chalcoglycosides. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 2188.	1.5	35
51	Investigating the concept of diffusional independence. Potential step transients at nano- and micro-electrode arrays: theory and experiment. <i>Analyst</i> , 2009, 134, 343-348.	1.7	35
52	Nanoparticle “electrode collision studies: Brownian motion and the timescale of nanoparticle oxidation. <i>Chemical Physics Letters</i> , 2012, 528, 44-48.	1.2	33
53	Particle-impact voltammetry: The reduction of hydrogen peroxide at silver nanoparticles impacting a carbon electrode. <i>Chemical Physics Letters</i> , 2012, 531, 94-97.	1.2	33
54	Electrochemistry of nickel nanoparticles is controlled by surface oxide layers. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 761-763.	1.3	33

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55	MoS ₂ and WS ₂ nanocone arrays: Impact of surface topography on the hydrogen evolution electrocatalytic activity and mass transport. <i>Applied Materials Today</i> , 2018, 11, 70-81.	2.3	33
56	Voltammetric characterisation of the radical anions of 4-nitrophenol, 2-cyanophenol and 4-cyanophenol in N,N-dimethylformamide electrogenerated at gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2004, 561, 53-65.	1.9	32
57	Marcus Theory for Outer-Sphere Heterogeneous Electron Transfer: Predicting Electron-Transfer Rates for Quinones. <i>Journal of Physical Chemistry B</i> , 2004, 108, 13047-13051.	1.2	32
58	Oxidation of Several p-Phenylenediamines in Room Temperature Ionic Liquids: Estimation of Transport and Electrode Kinetic Parameters. <i>Journal of Physical Chemistry C</i> , 2008, 112, 6993-7000.	1.5	32
59	Magnetically moveable bimetallic (nickel/silver) nanoparticle/carbon nanotube composites for methanol oxidation. <i>New Journal of Chemistry</i> , 2009, 33, 107-111.	1.4	32
60	Nanoparticle catalysts for proton exchange membrane fuel cells: can surfactant effects be beneficial for electrocatalysis?. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 11435-11446.	1.3	32
61	Nanoparticle impacts in innovative electrochemistry. <i>Current Opinion in Electrochemistry</i> , 2018, 10, 31-36.	2.5	31
62	The high speed channel electrode applied to heterogeneous kinetics: the oxidation of 1,4-phenylenediamines and related species in acetonitrile. <i>Journal of Electroanalytical Chemistry</i> , 2002, 534, 151-161.	1.9	29
63	Platinum and Palladium Bio-Synthesized Nanoparticles as Sustainable Fuel Cell Catalysts. <i>Frontiers in Energy Research</i> , 2019, 7, .	1.2	29
64	Voltammetry under high mass transport conditions. The application of the high speed channel electrode to the reduction of pentafluoronitrobenzene. <i>Journal of Electroanalytical Chemistry</i> , 1996, 411, 121-127.	1.9	28
65	Voltammetry in Weakly Supported Media: The Stripping of Thallium from a Hemispherical Amalgam Drop. <i>Theory and Experiment. Journal of Physical Chemistry C</i> , 2008, 112, 17175-17182.	1.5	28
66	Improving PEM water electrolyser's performance by magnetic field application. <i>Applied Energy</i> , 2020, 264, 114721.	5.1	28
67	The non-destructive sizing of nanoparticles via particle-electrode collisions: Tag-redox coulometry (TRC). <i>Chemical Physics Letters</i> , 2012, 525-526, 69-71.	1.2	26
68	Experimental comparison of the Butler-Volmer and Marcus-Hush-Chidsey formalisms of electrode kinetics: The reduction of cyclooctatetraene at mercury hemispherical electrodes via cyclic and square wave voltammetries. <i>Journal of Electroanalytical Chemistry</i> , 2012, 665, 38-44.	1.9	25
69	Experimental Validation of Marcus Theory for Outer-Sphere Heterogeneous Electron-Transfer Reactions: The Oxidation of Substituted 1,4-Phenylenediamines. <i>ChemPhysChem</i> , 2004, 5, 1234-1240.	1.0	24
70	Gas Diffusion Layer Materials and their Effect on Polymer Electrolyte Fuel Cell Performance – Ex Situ and In Situ Characterization. <i>Fuel Cells</i> , 2014, 14, 735-741.	1.5	24
71	Electrode-nanoparticle collisions: The measurement of the sticking coefficients of gold and nickel nanoparticles from aqueous solution onto a carbon electrode. <i>Chemical Physics Letters</i> , 2012, 551, 68-71.	1.2	23
72	The application of fast scan cyclic voltammetry to the high speed channel electrode. <i>Journal of Electroanalytical Chemistry</i> , 2003, 542, 23-32.	1.9	22

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73	In Situ Surface-Enhanced Raman Spectroscopic Studies and Electrochemical Reduction of α -Ketoesters and Self Condensation Products at Platinum Surfaces. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1163-1170.	1.5	22
74	Determination of Iron: Electrochemical Methods. <i>Electroanalysis</i> , 2012, 24, 1693-1702.	1.5	22
75	Hydrodynamic microelectrode voltammetry. <i>Russian Journal of Electrochemistry</i> , 2008, 44, 368-389.	0.3	21
76	Cyclic voltammetry in weakly supported media: The reduction of the cobaltocenium cation in acetonitrile – Comparison between theory and experiment. <i>Journal of Electroanalytical Chemistry</i> , 2010, 650, 135-142.	1.9	20
77	Modular construction of size-selected multiple-core Pt@TiO ₂ nanoclusters for electro-catalysis. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28005-28009.	1.3	20
78	Reverse Pulse Voltammetry at spherical electrodes: Simultaneous determination of diffusion coefficients and formal potentials. Application to Room Temperature Ionic Liquids. <i>Journal of Electroanalytical Chemistry</i> , 2009, 634, 1-10.	1.9	19
79	Enhanced Performance of Edge-Plane Pyrolytic Graphite (EPPG) Electrodes over Glassy Carbon (GC) Electrodes in the Presence of Surfactants: Application to the Stripping Voltammetry of Copper. <i>Electroanalysis</i> , 2010, 22, 31-34.	1.5	19
80	Potential step chronoamperometry at hemispherical mercury electrodes: The formation of thallium amalgams and the measurement of the diffusion coefficient of thallium in mercury. <i>Journal of Electroanalytical Chemistry</i> , 2008, 623, 165-169.	1.9	18
81	Electrochemical sulfidation of WS ₂ nanoarrays: Strong dependence of hydrogen evolution activity on transition metal sulfide surface composition. <i>Electrochemistry Communications</i> , 2017, 81, 106-111.	2.3	18
82	Modifying Glassy Carbon (GC) Electrodes to Confer Selectivity for the Voltammetric Detection of L-Cysteine in the Presence of dl-Homocysteine and Glutathione. <i>Electroanalysis</i> , 2008, 20, 916-918.	1.5	17
83	Alkali Metal Reductions of Organic Molecules: Why Mediated Electron Transfer from Lithium Is Faster than Direct Reduction. <i>Journal of the American Chemical Society</i> , 2008, 130, 12256-12257.	6.6	17
84	A comparison of the Butler-Volmer and asymmetric Marcus-Hush models of electrode kinetics at the channel electrode. <i>Journal of Electroanalytical Chemistry</i> , 2012, 687, 79-83.	1.9	17
85	The Electrochemical Oxidation of N,N-Diethyl-p-Phenylenediamine in DMF and Analytical Applications. Part I: Mechanistic Study. <i>Electroanalysis</i> , 2003, 15, 949-960.	1.5	16
86	A Method for the Positioning and Tracking of Small Moving Particles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2376-2378.	7.2	16
87	Molecular insights into electron transfer processes via variable temperature cyclic voltammetry. Application of the asymmetric Marcus-Hush model. <i>Journal of Electroanalytical Chemistry</i> , 2012, 685, 53-62.	1.9	16
88	Gold microelectrode ensembles: cheap, reusable and stable electrodes for the determination of arsenic (V) under aerobic conditions. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 1105-1115.	1.8	16
89	The effect of near wall hindered diffusion on nanoparticle-electrode impacts: A computational model. <i>Journal of Electroanalytical Chemistry</i> , 2013, 691, 28-34.	1.9	16
90	Nanoparticle-electrode collision processes: Investigating the contact time required for the diffusion-controlled monolayer underpotential deposition on impacting nanoparticles. <i>Chemical Physics Letters</i> , 2011, 514, 58-61.	1.2	15

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91	Magnetically modified electrocatalysts for oxygen evolution reaction in proton exchange membrane (PEM) water electrolyzers. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 20825-20834.	3.8	15
92	Comparative evaluation of the symmetric and asymmetric Marcus-Hush formalisms of electrode kinetics – The one-electron oxidation of tetraphenylethylene in dichloromethane on platinum microdisk electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2012, 677-680, 120-126.	1.9	14
93	Biomanufacture of nano-Pd(0) by <i>Escherichia coli</i> and electrochemical activity of bio-Pd(0) made at the expense of H ₂ and formate as electron donors. <i>Biotechnology Letters</i> , 2016, 38, 1903-1910.	1.1	14
94	Dual-doped graphene/perovskite bifunctional catalysts and the oxygen reduction reaction. <i>Electrochemistry Communications</i> , 2017, 84, 65-70.	2.3	14
95	Voltammetric sizing of particles: chronoamperometry of impact events in acoustically agitated particulate suspensions. <i>Analyst, The</i> , 2007, 132, 635.	1.7	13
96	Quantitative Voltammetry in Weakly Supported Media. Two Electron Transfer, Chronoamperometry of Electrodeposition and Stripping for Cadmium at Microhemispherical Mercury Electrodes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15320-15325.	1.5	13
97	Particle-impact nanoelectrochemistry: a Fickian model for nanoparticle transport. <i>RSC Advances</i> , 2012, 2, 12702.	1.7	13
98	Hydrodynamics and Mass Transport in Wall-Tube and Microjet Electrodes: An Experimental Evaluation of Current Theory. <i>Journal of Physical Chemistry B</i> , 2003, 107, 13649-13660.	1.2	12
99	Voltammetry Involving Amalgam Formation and Anodic Stripping in Weakly Supported Media: Theory and Experiment. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7120-7127.	1.5	12
100	An electrochemical study of the oxidation of 1,3,5-Tris[4-[(3-methylphenyl)phenylamino]phenyl]benzene. <i>Journal of Electroanalytical Chemistry</i> , 2004, 563, 191-202.	1.9	11
101	Discharge cavitation during microwave electrochemistry at micrometre-sized electrodes. <i>Chemical Communications</i> , 2010, 46, 812-814.	2.2	10
102	Towards the electrochemical quantification of the strength of garlic. <i>Analyst, The</i> , 2011, 136, 128-133.	1.7	10
103	Uptake of Molecular Species by Spherical Droplets and Particles Monitored Voltammetrically. <i>Journal of Physical Chemistry C</i> , 2009, 113, 17215-17222.	1.5	9
104	A photoelectrochemical method for tracking the motion of <i>Daphnia magna</i> in water. <i>Analyst, The</i> , 2009, 134, 1786.	1.7	9
105	Enantioselective Hydrogenation of α -Ketoesters: An in Situ Surface-Enhanced Raman Spectroscopy (SERS) Study. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21363-21372.	1.5	9
106	Variable temperature study of electro-reduction of 3-nitrophenolate via cyclic and square wave voltammetry: Molecular insights into electron transfer processes based on the asymmetric Marcus-Hush model. <i>Electrochimica Acta</i> , 2013, 110, 772-779.	2.6	9
107	Fast scan linear sweep voltammetry at a high-speed wall-tube electrode. <i>Journal of Electroanalytical Chemistry</i> , 2003, 557, 99-107.	1.9	8
108	Progress towards the ideal core@shell nanoparticle for fuel cell electrocatalysis. <i>Journal of Experimental Nanoscience</i> , 2018, 13, 258-271.	1.3	8

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109	Electrochemically Decorated Iridium Electrodes with WS ₃ Toward Improved Oxygen Evolution Electrocatalyst Stability in Acidic Electrolytes. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000284.	2.7	8
110	Photoelectrochemistry of bromonitrobenzenes: mechanism and photoelectrochemically-induced halox reactions. <i>Journal of Electroanalytical Chemistry</i> , 2002, 533, 33-70.	1.9	7
111	Voltammetry as a probe of displacement. <i>Chemical Communications</i> , 2010, 46, 4238.	2.2	7
112	Determination of Sb(V) Using Differential Pulse Anodic Stripping Voltammetry at an Unmodified Edge Plane Pyrolytic Graphite Electrode. <i>Electroanalysis</i> , 2012, 24, 1306-1310.	1.5	7
113	The electrochemical reduction of triphenylethylene in DMSO: a mechanistic study using mercury hemispherical microelectrodes. <i>Journal of Electroanalytical Chemistry</i> , 2012, 669, 14-20.	1.9	6
114	Copper deposition on metallic and non-metallic single particles via impact electrochemistry. <i>Electrochimica Acta</i> , 2022, 405, 139838.	2.6	6
115	Electrocatalytic regeneration of atmospherically aged MoS ₂ nanostructures via solution-phase sulfidation. <i>RSC Advances</i> , 2016, 6, 26689-26695.	1.7	5
116	The electrochemical reduction kinetics of oxygen in dimethylsulfoxide. <i>Journal of Electroanalytical Chemistry</i> , 2018, 829, 16-19.	1.9	5
117	A Photoelectrochemical Method for Determining the Kinematics of Moving Particles Using an Array of Individually Addressable Electrodes. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1304-1308.	1.7	4
118	Improving the design of gas diffusion layers for intermediate temperature polymer electrolyte fuel cells using a sensitivity analysis: A multiphysics approach. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 16745-16759.	3.8	4
119	Cisplatin adducts of DNA as precursors for nanostructured catalyst materials. <i>Nanoscale Advances</i> , 2020, 2, 4491-4497.	2.2	4
120	Pt ₁₄₇ Nanoclusters Soft-Landed on WS ₂ Nanosheets for Catalysis and Energy Harvesting. <i>ACS Applied Nano Materials</i> , 2021, 4, 13140-13148.	2.4	4
121	Increased Stability of Palladium-Iridium-Gold Electrocatalyst for the Hydrogen Oxidation Reaction in Polymer Electrolyte Membrane Fuel Cells. <i>Electroanalysis</i> , 2020, 32, 2893-2901.	1.5	2
122	The electroreduction of oxygen in aprotic solvents. <i>Journal of Electroanalytical Chemistry</i> , 2020, 872, 113989.	1.9	2
123	Easy fabrication of a vibrating foil electrode. <i>Analytical Methods</i> , 2012, 4, 1932.	1.3	0
124	Professor Richard Compton's 60 th Birthday. <i>Electroanalysis</i> , 2015, 27, 844-845.	1.5	0
125	Electrochemistry Fundamentals: Nanomaterials Evaluation and Fuel Cells. <i>Nanostructure Science and Technology</i> , 2016, , 1-29.	0.1	0
126	Computational study of mass transfer at surfaces structured with reactive nanocones. <i>Applied Mathematical Modelling</i> , 2019, 74, 373-386.	2.2	0