# Neil V Rees

List of Publications by Year
in descending order



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|---|---|---|---|
| 126 papers | 5,976 citations | 76326 40 h-index | 79698 73 g-index |
| 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. Angewandte Chemie - International Edition, 2011, 50, 4219-4221. | 13.8 | 467 |
| 2 | Hydrogen selective membranes: A review of palladium-based dense metal membranes. Renewable and Sustainable Energy Reviews, 2015, 47, 540-551. | 16.4 | 326 |
| 3 | Carbon-free energy: a review of ammonia- and hydrazine-based electrochemical fuel cells. Energy and Environmental Science, 2011, 4, 1255. | 30.8 | 251 |
| 4 | Electrochemical determination of nitrite at a bare glassy carbon electrode; why chemically modify electrodes?. Sensors and Actuators B: Chemical, 2010, 143, 539-546. | 7.8 | 204 |
| 5 | Sustainable energy: a review of formic acid electrochemical fuel cells. Journal of Solid State Electrochemistry, 2011, 15, 2095-2100. | 2.5 | 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). Sensors and Actuators B: Chemical, 2010, 144, 153-158. | 7.8 | 158 |
| 7 | How Much Supporting Electrolyte Is Required to Make a Cyclic Voltammetry Experiment Quantitatively â€œDiffusionalâ€? A Theoretical and Experimental Investigation. Journal of Physical Chemistry C, 2009, 113, 11157-11171. | 3.1 | 155 |
| 8 | Marcusâ€“Hushâ€“Chidsey theory of electron transfer applied to voltammetry: A review. Electrochimica Acta, 2012, 84, 12-20. | 5.2 | 150 |
| 9 | Gold nanoparticles show electroactivity: counting and sorting nanoparticles upon impact with electrodes. Chemical Communications, 2012, 48, 224-226. | 4.1 | 144 |
| 10 | Enhancement of the Hydrogen Evolution Reaction from Ni-MoS<sub>2</sub> Hybrid Nanoclusters. ACS Catalysis, 2016, 6, 6008-6017. | 11.2 | 122 |
| 11 | Design, fabrication, characterisation and application of nanoelectrode arrays. Chemical Physics Letters, 2008, 459, 1-17. | 2.6 | 118 |
| 12 | Determining unknown concentrations of nanoparticles: the particle-impact electrochemistry of nickel and silver. RSC Advances, 2012, 2, 6879. | 3.6 | 109 |
| 13 | Electrochemical insight from nanoparticle collisions with electrodes: A mini-review. Electrochemistry Communications, 2014, 43, 83-86. | 4.7 | 102 |
| 14 | Nanoparticleâ€“electrode impacts: the oxidation of copper nanoparticles has slow kinetics. Physical Chemistry Chemical Physics, 2012, 14, 13612. | 2.8 | 94 |
| 15 | Direct electrochemical detection and sizing of silver nanoparticles in seawater media. Nanoscale, 2013, 5, 174-177. | 5.6 | 88 |
| 16 | Coulometric sizing of nanoparticles: Cathodic and anodic impact experiments open two independent routes to electrochemical sizing of Fe3O4 nanoparticles. Nano Research, 2013, 6, 836-841. | 10.4 | 87 |
| 17 | The Aggregation of Silver Nanoparticles in Aqueous Solution Investigated via Anodic Particle Coulometry. ChemPhysChem, 2011, 12, 1645-1647. | 2.1 | 85 |
| 18 | Benchmarking the Activity, Stability, and Inherent Electrochemistry of Amorphous Molybdenum Sulfide for Hydrogen Production. Advanced Energy Materials, 2019, 9, 1802614. | 19.5 | 85 |

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|---|---|---|---|
| 19 | Electrochemical CO<sub>2</sub>sequestration in ionic liquids; a perspective. Energy and Environmental Science, 2011, 4, 403-408. | 30.8 | 84 |
| 20 | Electron transfer kinetics at single nanoparticles. Nano Today, 2012, 7, 174-179. | 11.9 | 83 |
| 21 | Making contact: charge transfer during particleâ€“electrode collisions. RSC Advances, 2012, 2, 379-384. | 3.6 | 81 |
| 22 | Selective electrochemical glycosylation by reactivity tuning1. Organic and Biomolecular Chemistry, 2004, 2, 2195. | 2.8 | 72 |
| 23 | The electrochemical detection of tagged nanoparticles via particle-electrode collisions: nanoelectroanalysis beyond immobilisation. Chemical Communications, 2012, 48, 2510. | 4.1 | 68 |
| 24 | New Electrochemical Methods. Analytical Chemistry, 2012, 84, 669-684. | 6.5 | 66 |
| 25 | Nanoparticleâ€“Electrode Collision Processes: The Underpotential deposition of Thallium on Silver Nanoparticles in Aqueous Solution. ChemPhysChem, 2011, 12, 2085-2087. | 2.1 | 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. Journal of Electroanalytical Chemistry, 2005, 580, 78-86. | 3.8 | 61 |
| 27 | The charge transfer kinetics of the oxidation of silver and nickel nanoparticles via particleâ€“electrode impact electrochemistry. Physical Chemistry Chemical Physics, 2012, 14, 14354. | 2.8 | 61 |
| 28 | Sonoelectrochemistry Understood via Nanosecond Voltammetry:Â Sono-emulsions and the Measurement of the Potential of Zero Charge of a Solid Electrode. Journal of Physical Chemistry B, 2002, 106, 5810-5813. | 2.6 | 58 |
| 29 | Marcus Theory of Outer-Sphere Heterogeneous Electron Transfer Reactions:Â 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. Journal of the American Chemical Society, 2004, 126, 6185-6192. | 13.7 | 57 |
| 30 | Voltammetry under High Mass Transport Conditions. A High Speed Channel Electrode for the Study of Ultrafast Kinetics. The Journal of Physical Chemistry, 1995, 99, 7096-7101. | 2.9 | 56 |
| 31 | Hydrogen evolution enhancement of ultra-low loading, size-selected molybdenum sulfide nanoclusters by sulfur enrichment. Applied Catalysis B: Environmental, 2018, 235, 84-91. | 20.2 | 56 |
| 32 | Voltammetry Under High Mass Transport Conditions. The High Speed Channel Electrode and Heterogeneous Kinetics. The Journal of Physical Chemistry, 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. Journal of Materials Chemistry, 2007, 17, 2616. | 6.7 | 52 |
| 34 | Ultrafast Chronoamperometry of Acoustically Agitated Solid Particulate Suspensions:â€‰ Nonfaradaic and Faradaic Processes at a Polycrystalline Gold Electrode. Journal of Physical Chemistry B, 2004, 108, 18391-18394. | 2.6 | 49 |
| 35 | Effect of catalyst carbon supports on the oxygen reduction reaction in alkaline media: a comparative study. RSC Advances, 2016, 6, 94669-94681. | 3.6 | 49 |
| 36 | Nanoparticle electrochemistry. Physical Chemistry Chemical Physics, 2016, 18, 24812-24819. | 2.8 | 48 |

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|---|---|---|---|
| 37 | Sonoelectrochemistry in acoustically emulsified media. Journal of Electroanalytical Chemistry, 2002, 535, 41-47. | 3.8 | 46 |
| 38 | â€œMetal-freeâ€•electrocatalysis: Quaternary-doped graphene and the alkaline oxygen reduction reaction. Applied Catalysis A: General, 2018, 553, 107-116. | 4.3 | 46 |
| 39 | Nanoparticleâ€“electrode collision processes: The electroplating of bulk cadmium on impacting silver nanoparticles. Chemical Physics Letters, 2011, 511, 183-186. | 2.6 | 45 |
| 40 | Theoretical and experimental study of Differential Pulse Voltammetry at spherical electrodes: Measuring diffusion coefficients and formal potentials. Journal of Electroanalytical Chemistry, 2009, 634, 73-81. | 3.8 | 40 |
| 41 | Behavior of the Heterogeneous Electron-Transfer Rate Constants of Arenes and Substituted Anthracenes in Room-Temperature Ionic Liquids. Journal of Physical Chemistry C, 2008, 112, 1650-1657. | 3.1 | 39 |
| 42 | Giving physical insight into the Butlerâ€“Volmer model of electrode kinetics: Application of asymmetric Marcusâ€“Hush theory to the study of the electroreductions of 2-methyl-2-nitropropane, cyclooctatetraene and europium(III) on mercury microelectrodes. Journal of Electroanalytical Chemistry, 2012, 672, 45-52. | 3.8 | 39 |
| 43 | The electro-oxidation of N,N-dimethyl-p-toluidine in acetonitrile:. Journal of Electroanalytical Chemistry, 2002, 531, 33-42. | 3.8 | 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. Journal of Physical Chemistry C, 2009, 113, 333-337. | 3.1 | 38 |
| 45 | Microwave enhanced electrochemistry: mass transport effects and steady state voltammetry in the sub-millisecond time domain. Journal of Electroanalytical Chemistry, 2004, 573, 175-182. | 3.8 | 37 |
| 46 | Ultrafast Chronoamperometry of Single Impact Events in Acoustically Agitated Solid Particulate Suspensions. ChemPhysChem, 2006, 7, 807-811. | 2.1 | 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. Journal of Physical Chemistry C, 2010, 114, 2227-2236. | 3.1 | 37 |
| 48 | Experimental Comparison of the Marcusâ€“Hush and Butlerâ€“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. Journal of Physical Chemistry C, 2011, 115, 14876-14882. | 3.1 | 37 |
| 49 | Electrodeâ€“nanoparticle collisions: The measurement of the sticking coefficient of silver nanoparticles on a glassy carbon electrode. Chemical Physics Letters, 2011, 514, 291-293. | 2.6 | 36 |
| 50 | Selective activation of glycosyl donors utilising electrochemical techniques: a study of the thermodynamic oxidation potentials of a range of chalcoglycosides. Organic and Biomolecular Chemistry, 2004, 2, 2188. | 2.8 | 35 |
| 51 | Investigating the concept of diffusional independence. Potential step transients at nano- and micro-electrode arrays: theory and experiment. Analyst, The, 2009, 134, 343-348. | 3.5 | 35 |
| 52 | Nanoparticleâ€“electrode collision studies: Brownian motion and the timescale of nanoparticle oxidation. Chemical Physics Letters, 2012, 528, 44-48. | 2.6 | 33 |
| 53 | Particle-impact voltammetry: The reduction of hydrogen peroxide at silver nanoparticles impacting a carbon electrode. Chemical Physics Letters, 2012, 531, 94-97. | 2.6 | 33 |
| 54 | Electrochemistry of nickel nanoparticles is controlled by surface oxide layers. Physical Chemistry Chemical Physics, 2013, 15, 761-763. | 2.8 | 33 |

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| 55 | MoS2 and WS2 nanocone arrays: Impact of surface topography on the hydrogen evolution electrocatalytic activity and mass transport. Applied Materials Today, 2018, 11, 70-81. | 4.3 | 33 |
| 56 | Voltammetric characterisation of the radical anions of 4-nitrophenol, 2-cyanophenol and 4-cyanophenol in N,N-dimethylformamide electrogenerated at gold electrodes. Journal of Electroanalytical Chemistry, 2004, 561, 53-65. | 3.8 | 32 |
| 57 | Marcus Theory for Outer-Sphere Heterogeneous Electron Transfer:Â Predicting Electron-Transfer Rates for Quinones. Journal of Physical Chemistry B, 2004, 108, 13047-13051. | 2.6 | 32 |
| 58 | Oxidation of Severalp-Phenylenediamines in Room Temperature Ionic Liquids:â€‰ Estimation of Transport and Electrode Kinetic Parameters. Journal of Physical Chemistry C, 2008, 112, 6993-7000. | 3.1 | 32 |
| 59 | Magnetically moveable bimetallic (nickel/silver) nanoparticle/carbon nanotube composites for methanol oxidation. New Journal of Chemistry, 2009, 33, 107-111. | 2.8 | 32 |
| 60 | Nanoparticle catalysts for proton exchange membrane fuel cells: can surfactant effects be beneficial for electrocatalysis?. Physical Chemistry Chemical Physics, 2014, 16, 11435-11446. | 2.8 | 32 |
| 61 | Nanoparticle impacts in innovative electrochemistry. Current Opinion in Electrochemistry, 2018, 10, 31-36. | 4.8 | 31 |
| 62 | The high speed channel electrode applied to heterogeneous kinetics: the oxidation of 1,4-phenylenediamines and related species in acetonitrile. Journal of Electroanalytical Chemistry, 2002, 534, 151-161. | 3.8 | 29 |
| 63 | Platinum and Palladium Bio-Synthesized Nanoparticles as Sustainable Fuel Cell Catalysts. Frontiers in Energy Research, 2019, 7, . | 2.3 | 29 |
| 64 | Voltammetry under high mass transport conditions. The application of the high speed channel electrode to the reduction of pentafluoronitrobenzene. Journal of Electroanalytical Chemistry, 1996, 411, 121-127. | 3.8 | 28 |
| 65 | Voltammetry in Weakly Supported Media: The Stripping of Thallium from a Hemispherical Amalgam Drop. Theory and Experiment. Journal of Physical Chemistry C, 2008, 112, 17175-17182. | 3.1 | 28 |
| 66 | Improving PEM water electrolyserâ€™s performance by magnetic field application. Applied Energy, 2020, 264, 114721. | 10.1 | 28 |
| 67 | The non-destructive sizing of nanoparticles via particleâ€"electrode collisions: Tag-redox coulometry (TRC). Chemical Physics Letters, 2012, 525-526, 69-71. | 2.6 | 26 |
| 68 | Experimental comparison of the Butlerâ€"Volmer and Marcusâ€"Hushâ€"Chidsey formalisms of electrode kinetics: The reduction of cyclooctatetraene at mercury hemispherical electrodes via cyclic and square wave voltammetries. Journal of Electroanalytical Chemistry, 2012, 665, 38-44. | 3.8 | 25 |
| 69 | Experimental Validation of Marcus Theory for Outer-Sphere Heterogeneous Electron-Transfer Reactions: The Oxidation of Substituted 1,4-Phenylenediamines. ChemPhysChem, 2004, 5, 1234-1240. | 2.1 | 24 |
| 70 | Gas Diffusion Layer Materials and their Effect on Polymer Electrolyte Fuel Cell Performance â€" <i>Ex Situ</i> and <i>In Situ</i> Characterization. Fuel Cells, 2014, 14, 735-741. | 2.4 | 24 |
| 71 | Electrode-nanoparticle collisions: The measurement of the sticking coefficients of gold and nickel nanoparticles from aqueous solution onto a carbon electrode. Chemical Physics Letters, 2012, 551, 68-71. | 2.6 | 23 |
| 72 | The application of fast scan cyclic voltammetry to the high speed channel electrode. Journal of Electroanalytical Chemistry, 2003, 542, 23-32. | 3.8 | 22 |

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| 73 | In Situ Surface-Enhanced Raman Spectroscopic Studies and Electrochemical Reduction of Î±-Ketoesters and Self Condensation Products at Platinum Surfaces. Journal of Physical Chemistry C, 2011, 115, 1163-1170. | 3.1 | 22 |
| 74 | Determination of Iron: Electrochemical Methods. Electroanalysis, 2012, 24, 1693-1702. | 2.9 | 22 |
| 75 | Hydrodynamic microelectrode voltammetry. Russian Journal of Electrochemistry, 2008, 44, 368-389. | 0.9 | 21 |
| 76 | Cyclic voltammetry in weakly supported media: The reduction of the cobaltocenium cation in acetonitrile â€“ Comparison between theory and experiment. Journal of Electroanalytical Chemistry, 2010, 650, 135-142. | 3.8 | 20 |
| 77 | Modular construction of size-selected multiple-core Ptâ€“TiO<sub>2</sub> nanoclusters for electro-catalysis. Physical Chemistry Chemical Physics, 2015, 17, 28005-28009. | 2.8 | 20 |
| 78 | Reverse Pulse Voltammetry at spherical electrodes: Simultaneous determination of diffusion coefficients and formal potentials. Application to Room Temperature Ionic Liquids. Journal of Electroanalytical Chemistry, 2009, 634, 1-10. | 3.8 | 19 |
| 79 | Enhanced Performance of Edgeâ€Plane Pyrolytic Graphite (EPPG) Electrodes over Glassy Carbon (GC) Electrodes in the Presence of Surfactants: Application to the Stripping Voltammetry of Copper. Electroanalysis, 2010, 22, 31-34. | 2.9 | 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. Journal of Electroanalytical Chemistry, 2008, 623, 165-169. | 3.8 | 18 |
| 81 | Electrochemical sulfidation of WS 2 nanoarrays: Strong dependence of hydrogen evolution activity on transition metal sulfide surface composition. Electrochemistry Communications, 2017, 81, 106-111. | 4.7 | 18 |
| 82 | Modifying Glassy Carbon (GC) Electrodes to Confer Selectivity for the Voltammetric Detection of <scp>L</scp>â€Cysteine in the Presence of <scp>dl</scp>â€Homocysteine and Glutathione. Electroanalysis, 2008, 20, 916-918. | 2.9 | 17 |
| 83 | Alkali Metal Reductions of Organic Molecules: Why Mediated Electron Transfer from Lithium Is Faster than Direct Reduction. Journal of the American Chemical Society, 2008, 130, 12256-12257. | 13.7 | 17 |
| 84 | A comparison of the Butlerâ€“Volmer and asymmetric Marcusâ€“Hush models of electrode kinetics at the channel electrode. Journal of Electroanalytical Chemistry, 2012, 687, 79-83. | 3.8 | 17 |
| 85 | The Electrochemical Oxidation of N,N-Diethyl-p-Phenylenediamine in DMF and Analytical Applications. Part I: Mechanistic Study. Electroanalysis, 2003, 15, 949-960. | 2.9 | 16 |
| 86 | A Method for the Positioning and Tracking of Small Moving Particles. Angewandte Chemie - International Edition, 2009, 48, 2376-2378. | 13.8 | 16 |
| 87 | Molecular insights into electron transfer processes via variable temperature cyclic voltammetry. Application of the asymmetric Marcusâ€“Hush model. Journal of Electroanalytical Chemistry, 2012, 685, 53-62. | 3.8 | 16 |
| 88 | Gold microelectrode ensembles: cheap, reusable and stable electrodes for the determination of arsenic (V) under aerobic conditions. International Journal of Environmental Analytical Chemistry, 2013, 93, 1105-1115. | 3.3 | 16 |
| 89 | The effect of near wall hindered diffusion on nanoparticleâ€“electrode impacts: A computational model. Journal of Electroanalytical Chemistry, 2013, 691, 28-34. | 3.8 | 16 |
| 90 | Nanoparticleâ€“electrode collision processes: Investigating the contact time required for the diffusion-controlled monolayer underpotential deposition on impacting nanoparticles. Chemical Physics Letters, 2011, 514, 58-61. | 2.6 | 15 |

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|---|---|---|---|
| 91 | Magnetically modified electrocatalysts for oxygen evolution reaction in proton exchange membrane (PEM) water electrolyzers. International Journal of Hydrogen Energy, 2021, 46, 20825-20834. | 7.1 | 15 |
| 92 | Comparative evaluation of the symmetric and asymmetric Marcusâ€“Hush formalisms of electrode kinetics â€“ The one-electron oxidation of tetraphenylethylene in dichloromethane on platinum microdisk electrodes. Journal of Electroanalytical Chemistry, 2012, 677-680, 120-126. | 3.8 | 14 |
| 93 | Biomanufacture of nano-Pd(0) by Escherichia coli and electrochemical activity of bio-Pd(0) made at the expense of H2 and formate as electron donors. Biotechnology Letters, 2016, 38, 1903-1910. | 2.2 | 14 |
| 94 | Dual-doped graphene/perovskite bifunctional catalysts and the oxygen reduction reaction. Electrochemistry Communications, 2017, 84, 65-70. | 4.7 | 14 |
| 95 | Voltammetric sizing of particles: chronoamperometry of impact events in acoustically agitated particulate suspensions. Analyst, The, 2007, 132, 635. | 3.5 | 13 |
| 96 | Quantitative Voltammetry in Weakly Supported Media. Two Electron Transfer, Chronoamperometry of Electrodeposition and Stripping for Cadmium at Microhemispherical Mercury Electrodes. Journal of Physical Chemistry C, 2009, 113, 15320-15325. | 3.1 | 13 |
| 97 | Particle-impact nanoelectrochemistry: a Fickian model for nanoparticle transport. RSC Advances, 2012, 2, 12702. | 3.6 | 13 |
| 98 | Hydrodynamics and Mass Transport in Wall-Tube and Microjet Electrodes: An Experimental Evaluation of Current Theory. Journal of Physical Chemistry B, 2003, 107, 13649-13660. | 2.6 | 12 |
| 99 | Voltammetry Involving Amalgam Formation and Anodic Stripping in Weakly Supported Media: Theory and Experiment. Journal of Physical Chemistry C, 2010, 114, 7120-7127. | 3.1 | 12 |
| 100 | An electrochemical study of the oxidation of 1,3,5-Tris[4-[(3-methylphenyl)phenylamino]phenyl]benzene. Journal of Electroanalytical Chemistry, 2004, 563, 191-202. | 3.8 | 11 |
| 101 | Discharge cavitation during microwave electrochemistry at micrometre-sized electrodes. Chemical Communications, 2010, 46, 812-814. | 4.1 | 10 |
| 102 | Towards the electrochemical quantification of the strength of garlic. Analyst, The, 2011, 136, 128-133. | 3.5 | 10 |
| 103 | Uptake of Molecular Species by Spherical Droplets and Particles Monitored Voltammetrically. Journal of Physical Chemistry C, 2009, 113, 17215-17222. | 3.1 | 9 |
| 104 | A photoelectrochemical method for tracking the motion of Daphnia magna in water. Analyst, The, 2009, 134, 1786. | 3.5 | 9 |
| 105 | Enantioselective Hydrogenation of Î±-Ketoesters: An in Situ Surface-Enhanced Raman Spectroscopy (SERS) Study. Journal of Physical Chemistry C, 2011, 115, 21363-21372. | 3.1 | 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 Marcusâ€“Hush model. Electrochimica Acta, 2013, 110, 772-779. | 5.2 | 9 |
| 107 | Fast scan linear sweep voltammetry at a high-speed wall-tube electrode. Journal of Electroanalytical Chemistry, 2003, 557, 99-107. | 3.8 | 8 |
| 108 | Progress towards the ideal core@shell nanoparticle for fuel cell electrocatalysis. Journal of Experimental Nanoscience, 2018, 13, 258-271. | 2.4 | 8 |

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|---|---|---|---|
| 109 | Electrochemically Decorated Iridium Electrodes with WS<sub>3âˆ’</sub><i><sub>x</sub></i> Toward Improved Oxygen Evolution Electrocatalyst Stability in Acidic Electrolytes. Advanced Sustainable Systems, 2021, 5, 2000284. | 5.3 | 8 |
| 110 | Photoelectrochemistry of bromonitrobenzenes: mechanism and photoelectrochemically-induced halex reactions. Journal of Electroanalytical Chemistry, 2002, 533, 33-70. | 3.8 | 7 |
| 111 | Voltammetry as a probe of displacement. Chemical Communications, 2010, 46, 4238. | 4.1 | 7 |
| 112 | Determination of Sb(V) Using Differential Pulse Anodic Stripping Voltammetry at an Unmodified Edge Plane Pyrolytic Graphite Electrode. Electroanalysis, 2012, 24, 1306-1310. | 2.9 | 7 |
| 113 | The electrochemical reduction of triphenylethylene in DMSO: a mechanistic study using mercury hemispherical microelectrodes. Journal of Electroanalytical Chemistry, 2012, 669, 14-20. | 3.8 | 6 |
| 114 | Copper deposition on metallic and nonâ€metallic single particles via impact electrochemistry. Electrochimica Acta, 2022, 405, 139838. | 5.2 | 6 |
| 115 | Electrocatalytic regeneration of atmospherically aged MoS<sub>2</sub> nanostructures via solution-phase sulfidation. RSC Advances, 2016, 6, 26689-26695. | 3.6 | 5 |
| 116 | The electrochemical reduction kinetics of oxygen in dimethylsulfoxide. Journal of Electroanalytical Chemistry, 2018, 829, 16-19. | 3.8 | 5 |
| 117 | A Photoelectrochemical Method for Determining the Kinematics of Moving Particles Using an Array of Individually Addressable Electrodes. Chemistry - an Asian Journal, 2009, 4, 1304-1308. | 3.3 | 4 |
| 118 | Improving the design of gas diffusion layers for intermediate temperature polymer electrolyte fuel cells using a sensitivity analysis: A multiphysics approach. International Journal of Hydrogen Energy, 2015, 40, 16745-16759. | 7.1 | 4 |
| 119 | Cisplatin adducts of DNA as precursors for nanostructured catalyst materials. Nanoscale Advances, 2020, 2, 4491-4497. | 4.6 | 4 |
| 120 | Pt<sub>147</sub> Nanoclusters Soft-Landed on WS<sub>2</sub> Nanosheets for Catalysis and Energy Harvesting. ACS Applied Nano Materials, 2021, 4, 13140-13148. | 5.0 | 4 |
| 121 | Increased Stability of Palladiumâ€Iridiumâ€Gold Electrocatalyst for the Hydrogen Oxidation Reaction in Polymer Electrolyte Membrane Fuel Cells. Electroanalysis, 2020, 32, 2893-2901. | 2.9 | 2 |
| 122 | The electroreduction of oxygen in aprotic solvents. Journal of Electroanalytical Chemistry, 2020, 872, 113989. | 3.8 | 2 |
| 123 | Easy fabrication of a vibrating foil electrode. Analytical Methods, 2012, 4, 1932. | 2.7 | 0 |
| 124 | Professor Richard Comptonâ€™s 60<sup>th</sup> Birthday. Electroanalysis, 2015, 27, 844-845. | 2.9 | 0 |
| 125 | Electrochemistry Fundamentals: Nanomaterials Evaluation and Fuel Cells. Nanostructure Science and Technology, 2016, , 1-29. | 0.1 | 0 |
| 126 | Computational study of mass transfer at surfaces structured with reactive nanocones. Applied Mathematical Modelling, 2019, 74, 373-386. | 4.2 | 0 |