

Kenneth Ozoemena

List of Publications by Year in descending order

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204
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7676
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Electrocatalytic oxidation and detection of hydrazine at gold electrode modified with iron phthalocyanine complex linked to mercaptopyridine self-assembled monolayer. <i>Talanta</i> , 2005, 67, 162-168. | 2.9 | 174 |
| 2 | Nanostructured platinum-free electrocatalysts in alkaline direct alcohol fuel cells: catalyst design, principles and applications. <i>RSC Advances</i> , 2016, 6, 89523-89550. | 1.7 | 162 |
| 3 | Electrocatalysis of asulam on cobalt phthalocyanine modified multi-walled carbon nanotubes immobilized on a basal plane pyrolytic graphite electrode. <i>Electrochimica Acta</i> , 2006, 52, 114-122. | 2.6 | 153 |
| 4 | Electrocatalytic detection of dopamine at single-walled carbon nanotubes-iron (III) oxide nanoparticles platform. <i>Sensors and Actuators B: Chemical</i> , 2010, 148, 93-102. | 4.0 | 149 |
| 5 | Nickel(ii) tetra-aminophthalocyanine modified MWCNTs as potential nanocomposite materials for the development of supercapacitors. <i>Energy and Environmental Science</i> , 2010, 3, 228-236. | 15.6 | 148 |
| 6 | Synthesis, characterisation and electrochemical intercalation kinetics of nanostructured aluminium-doped Li[Li _{0.2} Mn _{0.54} Ni _{0.13} Co _{0.13}]O ₂ cathode material for lithium ion battery. <i>Electrochimica Acta</i> , 2012, 85, 411-422. | 2.6 | 145 |
| 7 | Oxygen reduction reaction using N ₄ -metallomacrocyclic catalysts: fundamentals on rational catalyst design. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 761-784. | 0.4 | 132 |
| 8 | Comparative electrocatalytic oxidation of ethanol, ethylene glycol and glycerol in alkaline medium at Pd-decorated FeCo@Fe/C core-shell nanocatalysts. <i>Electrochimica Acta</i> , 2014, 128, 279-286. | 2.6 | 127 |
| 9 | Photosensitized transformation of 4-chlorophenol in the presence of aggregated and non-aggregated metallophthalocyanines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 139, 217-224. | 2.0 | 125 |
| 10 | Carbon Nanotubes, Phthalocyanines and Porphyrins: Attractive Hybrid Materials for Electrocatalysis and Electroanalysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 2201-2214. | 0.9 | 122 |
| 11 | Microwave-Assisted Synthesis of High-Voltage Nanostructured LiMn _{1.5} Ni _{0.5} O ₄ Spinel: Tuning the Mn ³⁺ Content and Electrochemical Performance. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7592-7598. | 4.0 | 120 |
| 12 | Fast microwave-assisted solvothermal synthesis of metal nanoparticles (Pd, Ni, Sn) supported on sulfonated MWCNTs: Pd-based bimetallic catalysts for ethanol oxidation in alkaline medium. <i>Electrochimica Acta</i> , 2012, 59, 310-320. | 2.6 | 118 |
| 13 | Symmetric pseudocapacitors based on molybdenum disulfide (MoS ₂)-modified carbon nanospheres: correlating physicochemistry and synergistic interaction on energy storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6411-6425. | 5.2 | 116 |
| 14 | Tetracarboxylic acid cobalt phthalocyanine SAM on gold: Potential applications as amperometric sensor for H ₂ O ₂ and fabrication of glucose biosensor. <i>Electrochimica Acta</i> , 2006, 52, 177-186. | 2.6 | 104 |
| 15 | High-Voltage Symmetric Supercapacitor Based on 2D Titanium Carbide (MXene,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td <i>Journal of the Electrochemical Society</i> , 2018, 165, A501-A511. | 1.3 | 100 |
| 16 | Comparative photosensitised transformation of polychlorophenols with different sulphonated metallophthalocyanine complexes in aqueous medium. <i>Journal of Molecular Catalysis A</i> , 2001, 176, 29-40. | 4.8 | 96 |
| 17 | Synthesis and electrochemical characterisation of benzylmercapto and dodecylmercapto tetra substituted cobalt, iron, and zinc phthalocyanines complexes. <i>Electrochimica Acta</i> , 2006, 51, 4379-4387. | 2.6 | 96 |
| 18 | Novel amperometric glucose biosensor based on an ether-linked cobalt(II) phthalocyanine-cobalt(II) tetraphenylporphyrin pentamer as a redox mediator. <i>Electrochimica Acta</i> , 2006, 51, 5131-5136. | 2.6 | 95 |

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|----|--|-----|-----------|
| 19 | Electrochemical properties of benzylmercapto and dodecylmercapto tetra substituted nickel phthalocyanine complexes: Electrocatalytic oxidation of nitrite. <i>Electrochimica Acta</i> , 2006, 51, 6470-6478. | 2.6 | 95 |
| 20 | Electro-oxidation of ethylene glycol and glycerol at palladium-decorated FeCo@Fe core-shell nanocatalysts for alkaline direct alcohol fuel cells: functionalized MWCNT supports and impact on product selectivity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7145-7156. | 5.2 | 95 |
| 21 | Comparative electrochemistry and electrocatalytic activities of cobalt, iron and manganese phthalocyanine complexes axially co-ordinated to mercaptopyridine self-assembled monolayer at gold electrodes. <i>Electrochimica Acta</i> , 2006, 51, 2669-2677. | 2.6 | 93 |
| 22 | A high-rate aqueous symmetric pseudocapacitor based on highly graphitized onion-like carbon/birnessite-type manganese oxide nano hybrids. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3480-3490. | 5.2 | 93 |
| 23 | Long-term stability of a gold electrode modified with a self-assembled monolayer of octabutylthiophthalocyaninato-cobalt(II) towards l-cysteine detection. <i>Electrochemistry Communications</i> , 2001, 3, 529-534. | 2.3 | 89 |
| 24 | Heterogeneous electron transfer kinetics and electrocatalytic behaviour of mixed self-assembled ferrocenes and SWCNT layers. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 604-613. | 1.3 | 88 |
| 25 | Insights into the surface and redox properties of single-walled carbon nanotube-cobalt(II) tetra-aminophthalocyanine self-assembled on gold electrode. <i>Electrochimica Acta</i> , 2007, 52, 4132-4143. | 2.6 | 87 |
| 26 | High-performance symmetric electrochemical capacitor based on graphene foam and nanostructured manganese oxide. <i>AIP Advances</i> , 2013, 3, . | 0.6 | 86 |
| 27 | Studies on the lithium ion diffusion coefficients of electrospun Nb ₂ O ₅ nanostructures using galvanostatic intermittent titration and electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2014, 128, 198-202. | 2.6 | 86 |
| 28 | Electrocatalytic behaviour of carbon paste electrode modified with iron(II) phthalocyanine (FePc) nanoparticles towards the detection of amitrole. <i>Talanta</i> , 2006, 69, 1136-1142. | 2.9 | 85 |
| 29 | Electrocatalytic Detection of Amitrole on the Multi-Walled Carbon Nanotube Iron (II) tetra-aminophthalocyanine Platform. <i>Sensors</i> , 2008, 8, 5096-5105. | 2.1 | 82 |
| 30 | Manganese oxide/graphene oxide composites for high-energy aqueous asymmetric electrochemical capacitors. <i>Electrochimica Acta</i> , 2013, 110, 228-233. | 2.6 | 82 |
| 31 | Voltammetric characterization of the self-assembled monolayer (SAM) of octabutylthiophthalocyaninatoiron(II): a potential electrochemical sensor. <i>Electrochimica Acta</i> , 2002, 47, 4035-4043. | 2.6 | 80 |
| 32 | Facile Synthesis of Nanosheet-like CuO Film and its Potential Application as a High-Performance Pseudocapacitor Electrode. <i>Electrochimica Acta</i> , 2016, 198, 220-230. | 2.6 | 77 |
| 33 | Surface electrochemistry of iron phthalocyanine axially ligated to 4-mercaptopyridine self-assembled monolayers at gold electrode: Applications to electrocatalytic oxidation and detection of thiocyanate. <i>Journal of Electroanalytical Chemistry</i> , 2005, 579, 283-289. | 1.9 | 74 |
| 34 | Electrocatalytic oxidation of ethylene glycol at palladium-bimetallic nanocatalysts (PdSn and PdNi) supported on sulfonate-functionalised multi-walled carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2013, 692, 26-30. | 1.9 | 74 |
| 35 | Electrochromic and electrochemical capacitive properties of tungsten oxide and its polyaniline nanocomposite films obtained by chemical bath deposition method. <i>Electrochimica Acta</i> , 2014, 128, 218-225. | 2.6 | 72 |
| 36 | Hierarchical One-Dimensional Ammonium Nickel Phosphate Microrods for High-Performance Pseudocapacitors. <i>Scientific Reports</i> , 2015, 5, 17629. | 1.6 | 71 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Studies on the heterogeneous electron transport and oxygen reduction reaction at metal (Co, Fe) octabutylsulphonylphthalocyanines supported on multi-walled carbon nanotube modified graphite electrode. <i>Electrochimica Acta</i> , 2010, 55, 6367-6375. | 2.6 | 70 |
| 38 | Synthesis and electrochemical properties of benzyl-mercapto and dodecyl-mercapto tetrasubstituted manganese phthalocyanine complexes. <i>Electrochimica Acta</i> , 2007, 52, 2520-2526. | 2.6 | 67 |
| 39 | ±-MnO ₂ nanorod/onion-like carbon composite cathode material for aqueous zinc-ion battery. <i>Materials Chemistry and Physics</i> , 2019, 230, 258-266. | 2.0 | 67 |
| 40 | Probing the electrochemical behaviour of SWCNT-cobalt nanoparticles and their electrocatalytic activities towards the detection of nitrite at acidic and physiological pH conditions. <i>Electrochimica Acta</i> , 2010, 55, 4319-4327. | 2.6 | 66 |
| 41 | Defective 3D nitrogen-doped carbon nanotube-carbon fibre networks for high-performance supercapacitor: Transformative role of nitrogen-doping from surface-confined to diffusive kinetics. <i>Carbon</i> , 2020, 169, 312-326. | 5.4 | 66 |
| 42 | Studies on Bare and Mg-doped LiCoO ₂ as a cathode material for Lithium ion Batteries. <i>Electrochimica Acta</i> , 2014, 128, 192-197. | 2.6 | 64 |
| 43 | Unveiling Fabrication and Environmental Remediation of MXene-Based Nanoarchitectures in Toxic Metals Removal from Wastewater: Strategy and Mechanism. <i>Nanomaterials</i> , 2020, 10, 885. | 1.9 | 64 |
| 44 | High-performance Mn ₃ O ₄ /onion-like carbon (OLC) nanohybrid pseudocapacitor: Unravelling the intrinsic properties of OLC against other carbon supports. <i>Carbon</i> , 2017, 117, 20-32. | 5.4 | 63 |
| 45 | Hydrogen peroxide oxidation of 2-chlorophenol and 2,4,5-trichlorophenol catalyzed by monomeric and aggregated cobalt tetrasulfophthalocyanine. <i>Journal of Molecular Catalysis A</i> , 2005, 227, 209-216. | 4.8 | 60 |
| 46 | Highly exfoliated Ti ₃ C ₂ MXene nanosheets atomically doped with Cu for efficient electrochemical CO ₂ reduction: an experimental and theoretical study. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1965-1975. | 5.2 | 60 |
| 47 | Electron transfer behaviour of single-walled carbon nanotubes electro-decorated with nickel and nickel oxide layers. <i>Electrochimica Acta</i> , 2008, 53, 5774-5782. | 2.6 | 59 |
| 48 | Comparative efficiency of immobilized non-transition metal phthalocyanine photosensitizers for the visible light transformation of chlorophenols. <i>Journal of Molecular Catalysis A</i> , 2006, 248, 84-92. | 4.8 | 57 |
| 49 | Electrochemical properties of surface-confined films of single-walled carbon nanotubes functionalised with cobalt(II)tetra-aminophthalocyanine: Electrocatalysis of sulfhydryl degradation products of V-type nerve agents. <i>Electrochimica Acta</i> , 2007, 52, 3630-3640. | 2.6 | 57 |
| 50 | Influence of solution pH on the electron transport of the self-assembled nanoarrays of single-walled carbon nanotube-cobalt tetra-aminophthalocyanine on gold electrodes: Electrocatalytic detection of epinephrine. <i>Electrochimica Acta</i> , 2008, 53, 2844-2851. | 2.6 | 57 |
| 51 | Effect of preparation temperature and cycling voltage range on molten salt method prepared SnO ₂ . <i>Electrochimica Acta</i> , 2013, 106, 143-148. | 2.6 | 57 |
| 52 | Solution-combustion synthesized nickel-substituted spinel cathode materials (Li _{1-x} Mn _{2-x} O ₄ ; 0 ≤ x ≤ 0.2) for lithium ion battery: enhancing energy storage, capacity retention, and lithium ion transport. <i>Electrochimica Acta</i> , 2014, 128, 172-177. | 2.6 | 57 |
| 53 | Layer-by-layer self-assembled nanostructured phthalocyaninatoiron(II)/SWCNT-poly(m-aminobenzenesulfonic acid) hybrid system on gold surface: Electron transfer dynamics and amplification of H ₂ O ₂ response. <i>Electrochimica Acta</i> , 2009, 54, 5053-5059. | 2.6 | 56 |
| 54 | A review of MXenes as emergent materials for dye removal from wastewater. <i>Separation and Purification Technology</i> , 2022, 282, 120083. | 3.9 | 56 |

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|----|--|-----|-----------|
| 55 | Surface chemistry and electrocatalytic behaviour of tetra-carboxy substituted iron, cobalt and manganese phthalocyanine monolayers on gold electrode. <i>Electrochimica Acta</i> , 2007, 53, 1858-1869. | 2.6 | 55 |
| 56 | Anodic Oxidation and Amperometric Sensing of Hydrazine at a Glassy Carbon Electrode Modified with Cobalt (II) Phthalocyanine-cobalt (II) Tetraphenylporphyrin (CoPc- (CoTPP)4) Supramolecular Complex. <i>Sensors</i> , 2006, 6, 874-891. | 2.1 | 54 |
| 57 | Preferential electrosorption of cobalt (II) tetra-aminophthalocyanine at single-wall carbon nanotubes immobilized on a basal plane pyrolytic graphite electrode. <i>Electrochemistry Communications</i> , 2006, 8, 1391-1396. | 2.3 | 52 |
| 58 | Defect-Engineered Nanostructured Ni/MOF-Derived Carbons for an Efficient Aqueous Battery-Type Energy Storage Device. <i>ACS Omega</i> , 2020, 5, 20461-20472. | 1.6 | 51 |
| 59 | Synergistic enhancement of supercapacitance upon integration of nickel (II) octa [(3,5-biscarboxylate)-phenoxy] phthalocyanine with SWCNT-phenylamine. <i>Journal of Power Sources</i> , 2010, 195, 3841-3848. | 4.0 | 50 |
| 60 | Immobilized cobalt(II) phthalocyanine-cobalt(II) porphyrin pentamer at a glassy carbon electrode: Applications to efficient amperometric sensing of hydrogen peroxide in neutral and basic media. <i>Electrochemistry Communications</i> , 2005, 7, 679-684. | 2.3 | 48 |
| 61 | Hierarchically Fractal PtPdCu Sponges and their Directed Mass- and Electron-Transfer Effects. <i>Nano Letters</i> , 2021, 21, 7870-7878. | 4.5 | 47 |
| 62 | Microwave-enhanced electrochemical cycling performance of the $\text{LiNi}_{0.2}\text{Mn}_{1.8}\text{O}_4$ spinel cathode material at elevated temperature. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 13074-13083. | 1.3 | 46 |
| 63 | PtPd hollow nanocubes with enhanced alloy effect and active facets for efficient methanol oxidation reaction. <i>Chemical Communications</i> , 2021, 57, 986-989. | 2.2 | 44 |
| 64 | Octabutylthiophthalocyaninatoiron(ii): electrochemical properties and interaction with cyanide. <i>Dalton Transactions RSC</i> , 2002, , 1806-1811. | 2.3 | 42 |
| 65 | High-performance aqueous asymmetric electrochemical capacitors based on graphene oxide/cobalt(ii)-tetrapyrazinoporphyrazine hybrids. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2821. | 5.2 | 42 |
| 66 | Electrochemistry at cobalt(II)tetrasulfophthalocyanine-multi-walled carbon nanotubes modified glassy carbon electrode: a sensing platform for efficient suppression of ascorbic acid in the presence of epinephrine. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 1367-1379. | 1.2 | 41 |
| 67 | Electron transport and electrocatalytic properties of MWCNT/nickel nanocomposites: Hydrazine and diethylaminoethanethiol as analytical probes. <i>Journal of Electroanalytical Chemistry</i> , 2010, 645, 41-49. | 1.9 | 41 |
| 68 | In situ engineering of urchin-like reduced graphene oxide- Mn_2O_3 - Mn_3O_4 nanostructures for supercapacitors. <i>RSC Advances</i> , 2014, 4, 886-892. | 1.7 | 40 |
| 69 | Bimetallic Pd/SnO ₂ Nanoparticles on Metal Organic Framework (MOF)-Derived Carbon as Electrocatalysts for Ethanol Oxidation. <i>Electrocatalysis</i> , 2019, 10, 366-380. | 1.5 | 40 |
| 70 | Electron transfer dynamics across self-assembled N-(2-mercaptoethyl) octadecanamide/mycolic acid layers: impedimetric insights into the structural integrity and interaction with anti-mycolic acid antibodies. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 345-357. | 1.3 | 39 |
| 71 | Functionalized Carbon Nanoparticles, Blacks and Soots as Electron-Transfer Building Blocks and Conduits. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1226-1241. | 1.7 | 39 |
| 72 | Recognition of anti-mycolic acid antibody at self-assembled mycolic acid antigens on a gold electrode: a potential impedimetric immunosensing platform for active tuberculosis. <i>Chemical Communications</i> , 2009, , 3345. | 2.2 | 38 |

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|----|---|-----|-----------|
| 73 | Structural and electrochemical properties of aluminium doped LiMn ₂ O ₄ cathode materials for Li battery: Experimental and ab initio calculations. Sustainable Energy Technologies and Assessments, 2014, 5, 44-49. | 1.7 | 38 |
| 74 | Voltammetric characterisation of the self-assembled monolayers (SAMs) of benzyl- and dodecyl-mercapto tetra substituted metallophthalocyanines complexes. Electrochemistry Communications, 2007, 9, 310-316. | 2.3 | 37 |
| 75 | Rational Design of 2D Manganese Phosphate Hydrate Nanosheets as Pseudocapacitive Electrodes. ACS Energy Letters, 2020, 5, 23-30. | 8.8 | 37 |
| 76 | Electrochemical Performance of BaSnO ₃ Anode Material for Lithium-Ion Battery Prepared by Molten Salt Method. Journal of the Electrochemical Society, 2016, 163, A540-A545. | 1.3 | 36 |
| 77 | Carbon onion/sulfur hybrid cathodes <i>via</i> inverse vulcanization for lithium-sulfur batteries. Sustainable Energy and Fuels, 2018, 2, 133-146. | 2.5 | 36 |
| 78 | Conversion of electrolytic MnO ₂ to Mn ₃ O ₄ nanowires for high-performance anode materials for lithium-ion batteries. Journal of Electroanalytical Chemistry, 2019, 833, 79-92. | 1.9 | 36 |
| 79 | Efforts at Enhancing Bifunctional Electrocatalysis and Related Events for Rechargeable Zinc-Air Batteries. ChemElectroChem, 2021, 8, 3998-4018. | 1.7 | 36 |
| 80 | Synthesis and electrochemical studies of a covalently linked cobalt(ii) phthalocyanine-cobalt(ii) porphyrin conjugate. Dalton Transactions, 2005, , 1241-1248. | 1.6 | 35 |
| 81 | Insights into the electro-oxidation of hydrazine at single-walled carbon-nanotube-modified edge-plane pyrolytic graphite electrodes electro-decorated with metal and metal oxide films. Journal of Solid State Electrochemistry, 2008, 12, 1325-1336. | 1.2 | 35 |
| 82 | Self-assembled nano-arrays of single-walled carbon nanotube-octa(hydroxyethylthio)phthalocyaninatoiron(II) on gold surfaces: Impacts of SWCNT and solution pH on electron transfer kinetics. Electrochimica Acta, 2008, 53, 2782-2793. | 2.6 | 35 |
| 83 | Self-assembly and heterogeneous electron transfer properties of metallo-octacarboxyphthalocyanine complexes on gold electrode. Physical Chemistry Chemical Physics, 2008, 10, 2399. | 1.3 | 35 |
| 84 | Electrochemical Capacitive Behaviour of Multiwalled Carbon Nanotubes Modified with Electropolymeric Films of Nickel Tetraaminophthalocyanine. Electroanalysis, 2010, 22, 2529-2535. | 1.5 | 35 |
| 85 | Nanoporous copper-cobalt mixed oxide nanorod bundles as high performance pseudocapacitive electrodes. Journal of Electroanalytical Chemistry, 2017, 787, 24-35. | 1.9 | 35 |
| 86 | Fuel cell-based breath-alcohol sensors: Innovation-hungry old electrochemistry. Current Opinion in Electrochemistry, 2018, 10, 82-87. | 2.5 | 35 |
| 87 | Confinement Effects in Individual Carbon Encapsulated Nonprecious Metal-Based Electrocatalysts. Advanced Functional Materials, 2022, 32, . | 7.8 | 35 |
| 88 | Enhanced methanol oxidation and oxygen reduction reactions on palladium-decorated FeCo@Fe/C core-shell nanocatalysts in alkaline medium. Physical Chemistry Chemical Physics, 2013, 15, 20982. | 1.3 | 34 |
| 89 | Probing the electrochemistry of MXene (Ti ₂ CTx)/electrolytic manganese dioxide (EMD) composites as anode materials for lithium-ion batteries. Electrochimica Acta, 2019, 297, 961-973. | 2.6 | 34 |
| 90 | Synthesis, spectroscopy and photochemistry of octasubstituted thiol-derivatized phthalocyaninatozinc(II) complexes. Inorganic Chemistry Communication, 2003, 6, 1192-1195. | 1.8 | 33 |

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|-----|--|-----|-----------|
| 91 | A facile approach to the synthesis of hydrophobic iron tetrasulfophthalocyanine (FeTSPc) nano-aggregates on multi-walled carbon nanotubes: A potential electrocatalyst for the detection of dopamine. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 7-14. | 4.0 | 33 |
| 92 | CeO ₂ Modulates the Electronic States of a Palladium Onion-Like Carbon Interface into a Highly Active and Durable Electrocatalyst for Hydrogen Oxidation in Anion-Exchange-Membrane Fuel Cells. <i>ACS Catalysis</i> , 2022, 12, 7014-7029. | 5.5 | 33 |
| 93 | The thermal effect on the catalytic activity of MnO ₂ (Î±, Î², and Î³) for oxygen reduction reaction. <i>Materials Today: Proceedings</i> , 2017, 4, 11624-11629. | 0.9 | 32 |
| 94 | Insights into the electro-oxidation of ethylene glycol at Pt/Ru nanocatalysts supported on MWCNTs: Adsorption-controlled electrode kinetics. <i>Electrochemistry Communications</i> , 2009, 11, 534-537. | 2.3 | 31 |
| 95 | Microwave-assisted optimization of the manganese redox states for enhanced capacity and capacity retention of LiAl _x Mn _{2-2x} O ₄ (x = 0 and 0.3) spinel materials. <i>RSC Advances</i> , 2015, 5, 32256-32262. | 1.7 | 31 |
| 96 | Unmasking the Latent Passivating Roles of Ni(OH) ₂ on the Performance of Pd-Ni Electrocatalysts for Alkaline Ethanol Fuel Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 8786-8802. | 2.5 | 31 |
| 97 | Synthesis, electrochemical and spectroelectrochemical studies of octaphenylthio-substituted phthalocyanines. <i>Journal of Porphyrins and Phthalocyanines</i> , 2005, 09, 484-490. | 0.4 | 30 |
| 98 | Alkaline water-splitting reactions over Pd/Co-MOF-derived carbon obtained via microwave-assisted synthesis. <i>RSC Advances</i> , 2020, 10, 17359-17368. | 1.7 | 30 |
| 99 | Electrosynthesised Metal (Ni, Fe, Co) Oxide Films on Single-Walled Carbon Nanotube Platforms and Their Supercapacitance in Acidic and Neutral pH Media. <i>Electroanalysis</i> , 2011, 23, 971-979. | 1.5 | 29 |
| 100 | Preparation, characterisation and application of Pd/C nanocatalyst in passive alkaline direct ethanol fuel cells (ADEFEC). <i>International Journal of Hydrogen Energy</i> , 2015, 40, 15605-15612. | 3.8 | 29 |
| 101 | Interrogating the impact of onion-like carbons on the supercapacitive properties of MXene (Ti ₂ CTX). <i>Journal of Applied Physics</i> , 2019, 126, . | 1.1 | 29 |
| 102 | Porous high-entropy alloys as efficient electrocatalysts for water-splitting reactions. <i>Electrochemistry Communications</i> , 2022, 136, 107207. | 2.3 | 29 |
| 103 | Iron (II) tetrakis(diaquaplatinum) octacarboxyphthalocyanine supported on multi-walled carbon nanotubes as effective electrocatalyst for oxygen reduction reaction in alkaline medium. <i>Electrochemistry Communications</i> , 2010, 12, 1539-1542. | 2.3 | 28 |
| 104 | Monolayer-Protected Clusters of Gold Nanoparticles: Impacts of Stabilizing Ligands on the Heterogeneous Electron Transfer Dynamics and Voltammetric Detection. <i>Langmuir</i> , 2010, 26, 9061-9068. | 1.6 | 28 |
| 105 | Iron(ii) tetrakis(diaquaplatinum)octacarboxyphthalocyanine supported on multi-walled carbon nanotube platform: an efficient functional material for enhancing electron transfer kinetics and electrocatalytic oxidation of formic acid. <i>Journal of Materials Chemistry</i> , 2010, 20, 10705. | 6.7 | 28 |
| 106 | Confined Ultrafine Pt in Porous Carbon Fibers and Their N-Enhanced Heavy d-Effect. <i>Chemistry of Materials</i> , 2022, 34, 3705-3714. | 3.2 | 28 |
| 107 | Self-assembled monolayers (SAMs) of cobalt tetracarboxylic acidchloride phthalocyanine covalently attached onto a preformed mercaptoethanol SAM: A novel method. <i>Electrochimica Acta</i> , 2006, 51, 3489-3494. | 2.6 | 27 |
| 108 | Enantioselective potentiometric membrane electrodes based on Î±-, Î²- and Î³-cyclodextrins as chiral selectors for the assay of l-proline. <i>Talanta</i> , 2005, 66, 501-504. | 2.9 | 25 |

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|-----|---|-----|-----------|
| 109 | Efficient electron transport across nickel powder modified basal plane pyrolytic graphite electrode: Sensitive detection of sulfhydryl degradation products of the V-type nerve agents. <i>Electrochemistry Communications</i> , 2007, 9, 1816-1823. | 2.3 | 25 |
| 110 | Electrochemical Sensing of Dopamine Using Onion-like Carbons and Their Carbon Nanofiber Composites. <i>Electrocatalysis</i> , 2019, 10, 381-391. | 1.5 | 25 |
| 111 | Cyclic voltammetric studies of octabutylthiophthalocyaninato-cobalt(II) and its self-assembled monolayer (SAM) on gold electrode. <i>Journal of Porphyrins and Phthalocyanines</i> , 2002, 06, 98-106. | 0.4 | 24 |
| 112 | Microwave Irradiation Controls the Manganese Oxidation States of Nanostructured (Li[Li _{0.2} Mn _{0.52} Ni _{0.13} Co _{0.13} Al _{0.02}] ₂ O ₇) Layered Cathode Materials for High-Performance Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2015, 162, A768-A773. | 1.3 | 24 |
| 113 | Fluorinated Mn ₃ O ₄ nanospheres for lithium-ion batteries: Low-cost synthesis with enhanced capacity, cyclability and charge-transport. <i>Materials Chemistry and Physics</i> , 2018, 209, 65-75. | 2.0 | 24 |
| 114 | Hydrogen oxidation and oxygen reduction reactions on palladium nano-electrocatalyst supported on nickel-deficient MOF-derived carbons. <i>Electrochimica Acta</i> , 2021, 390, 138860. | 2.6 | 24 |
| 115 | Titanium Carbide (Ti ₃ C ₂ T _x) MXene Ornamented with Palladium Nanoparticles for Electrochemical CO Oxidation. <i>Electroanalysis</i> , 2022, 34, 677-683. | 1.5 | 24 |
| 116 | Electrochemical behaviour of thiol-derivatised zinc (II) phthalocyanine complexes and their self-immobilised films at gold electrodes. <i>Microchemical Journal</i> , 2003, 75, 241-247. | 2.3 | 23 |
| 117 | Enantioanalysis of S-perindopril using different cyclodextrin-based potentiometric sensors. <i>Sensors and Actuators B: Chemical</i> , 2005, 105, 425-429. | 4.0 | 23 |
| 118 | Impedimetric and electrocatalytic properties of nanostructured iron(II) phthalocyanine at pyrolytic graphite electrode. <i>Materials Chemistry and Physics</i> , 2009, 114, 113-119. | 2.0 | 23 |
| 119 | Electrocatalytic Oxidation of Diethylaminoethanethiol and Hydrazine at Single-walled Carbon Nanotubes Modified with Prussian Blue Nanoparticles. <i>Electroanalysis</i> , 2010, 22, 2519-2528. | 1.5 | 23 |
| 120 | Tuning the physico-electrochemical properties of novel cobalt (II) octa[(3,5-biscarboxylate)-phenoxy] phthalocyanine complex using phenylamine-functionalised SWCNTs. <i>Carbon</i> , 2010, 48, 763-773. | 5.4 | 23 |
| 121 | Bifunctional Behavior of Pd/Ni Nanocatalysts on MOF-Derived Carbons for Alkaline Water-Splitting. <i>Electroanalysis</i> , 2020, 32, 3060-3074. | 1.5 | 23 |
| 122 | Single-walled carbon nanotube-induced crystallinity on the electropolymeric film of tetraaminophthalocyaninatonicel(II) complex: Impact on the rate of heterogeneous electron transfer. <i>Chemical Physics Letters</i> , 2007, 441, 72-77. | 1.2 | 22 |
| 123 | Low temperature molten salt synthesis of Y ₂ Sn ₂ O ₇ anode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2015, 182, 1060-1069. | 2.6 | 22 |
| 124 | Utilization of maltodextrin based enantioselective, potentiometric membrane electrodes for the enantioselective assay of S-perindopril. <i>Talanta</i> , 2004, 62, 681-685. | 2.9 | 21 |
| 125 | Metal (Co, Fe) tribenzotetraazachlorin@fullerene conjugates: Impact of direct I-bonding on the redox behaviour and oxygen reduction reaction. <i>Electrochemistry Communications</i> , 2009, 11, 1221-1225. | 2.3 | 21 |
| 126 | MWCNTs/metal (Ni, Co, Fe) oxide nanocomposite as potential material for supercapacitors application in acidic and neutral media. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 1311-1320. | 1.2 | 21 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Synthesis of Pd-coated FeCo@Fe/C core-shell nanoparticles: microwave-induced "top-down" nanostructuring and decoration. <i>Chemical Communications</i> , 2013, 49, 2034. | 2.2 | 20 |
| 128 | Electro-deposition of Pd on Carbon paper and Ni foam via surface limited redox-replacement reaction for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2014, 128, 406-411. | 2.6 | 20 |
| 129 | Nanostructured cobalt phthalocyanine single-walled carbon nanotube platform: electron transport and electrocatalytic activity on epinephrine. <i>Journal of Porphyrins and Phthalocyanines</i> , 2008, 12, 1289-1299. | 0.4 | 19 |
| 130 | Electrocatalytic properties of prussian blue nanoparticles supported on poly(m-aminobenzenesulphonic acid)-functionalised single-walled carbon nanotubes towards the detection of dopamine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 95, 186-194. | 2.5 | 19 |
| 131 | Palladium/Stannic Oxide Interfacial Chemistry Promotes Hydrogen Oxidation Reactions in Alkaline Medium. <i>ChemElectroChem</i> , 2020, 7, 4562-4571. | 1.7 | 19 |
| 132 | Electrospun Carbon Nanofibers as an Electrochemical Immunosensing Platform for <i>Vibrio cholerae</i> Toxin: Aging Effect of the Redox Probe. <i>ACS Omega</i> , 2020, 5, 5762-5771. | 1.6 | 19 |
| 133 | Voltammetric responses of porous Co ₃ O ₄ spinels supported on MOF-derived carbons: Effects of porous volume on dopamine diffusion processes. <i>Journal of Electroanalytical Chemistry</i> , 2020, 872, 113863. | 1.9 | 19 |
| 134 | Graphenated tantalum(IV) oxide and poly(4-styrene sulphonic acid)-doped polyaniline nanocomposite as cathode material in an electrochemical capacitor. <i>Electrochimica Acta</i> , 2014, 128, 226-237. | 2.6 | 18 |
| 135 | Oxygen reduction reaction at MWCNT-modified nanoscale iron(II) tetrasulfophthalocyanine: remarkable performance over platinum and tolerance toward methanol in alkaline medium. <i>RSC Advances</i> , 2015, 5, 22869-22878. | 1.7 | 18 |
| 136 | High-Voltage LiNi _{0.5} Mn _{1.5} O ₄ Spinel Material Synthesized by Microwave-Assisted Thermo-Polymerization: Some Insights into the Microwave-Enhancing Physico-Chemistry. <i>Journal of the Electrochemical Society</i> , 2017, 164, A3259-A3265. | 1.3 | 18 |
| 137 | Phthalocyanines in batteries and supercapacitors. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 754-760. | 0.4 | 17 |
| 138 | Charge storage mechanisms of cathode materials in rechargeable aluminum batteries. <i>Science China Chemistry</i> , 2021, 64, 1888-1907. | 4.2 | 17 |
| 139 | Electrochemistry of 2-dimethylaminoethanethiol SAM on gold electrode: Interaction with SWCNT-poly(m-aminobenzene sulphonic acid), electric field-induced protonation-deprotonation, and surface pKa. <i>Electrochemistry Communications</i> , 2009, 11, 1292-1296. | 2.3 | 16 |
| 140 | Solution-combustion synthesized aluminium-doped spinel (LiAl _x Mn _{2-2x} O ₄) as a high-performance lithium-ion battery cathode material. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 121, 51-57. | 1.1 | 16 |
| 141 | Manganese-based bifunctional electrocatalysts for zinc-air batteries. <i>Current Opinion in Electrochemistry</i> , 2020, 21, 219-224. | 2.5 | 16 |
| 142 | Defect-Engineered Mn ₂ Precursors Control the Structure-Property Relationships in High-Voltage Spinel LiMn _{1.5} Ni _{0.5} O ₄ . <i>ACS Omega</i> , 2021, 6, 25562-25573. | 1.6 | 16 |
| 143 | Titanium Vacancies in TiO ₂ Nanofibers Enable Highly Efficient Photodriven Seawater Splitting. <i>Chemistry - A European Journal</i> , 2021, 27, 14202-14208. | 1.7 | 16 |
| 144 | Nanostructured nickel (II) phthalocyanine-MWCNTs as viable nanocomposite platform for electrocatalytic detection of asulam pesticide at neutral pH conditions. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 1351-1358. | 1.2 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Electrochemical Characterization of Mixed Self-Assembled Films of Water-Soluble Single-Walled Carbon Nanotube-Poly(m-aminobenzene sulfonic acid) and Iron(II) Tetrasulfophthalocyanine. <i>Journal of the Electrochemical Society</i> , 2010, 157, F159. | 1.3 | 15 |
| 146 | Insights into the Synergistic Roles of Microwave and Fluorination Treatments towards Enhancing the Cycling Stability of P2-Type $\text{Na}_{0.67}[\text{Mg}_{0.28}\text{Mn}_{0.72}]\text{O}_2$ Cathode Material for Sodium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, A3362-A3370. | 1.3 | 15 |
| 147 | Effects of alkali and transition metal-doped TiO_2 hole blocking layers on the perovskite solar cells obtained by a two-step sequential deposition method in air and under vacuum. <i>RSC Advances</i> , 2020, 10, 13139-13148. | 1.7 | 15 |
| 148 | Ultimate Corrosion to Pt-Cu Electrocatalysts for Enhancing Methanol Oxidation Activity and Stability in Acidic Media. <i>Chemistry - A European Journal</i> , 2021, 27, 9124-9128. | 1.7 | 15 |
| 149 | Interrogating the electrocatalytic properties of coordination self-assembled nanostructures of single-walled carbon nanotube-octa(hydroxyethylthio)phthalocyaninatoiron(II) using thiocyanate as an analytical probe. <i>Journal of Electroanalytical Chemistry</i> , 2008, 621, 304-313. | 1.9 | 14 |
| 150 | Transition metal alloy-modulated lithium manganese oxide nanosystem for energy storage in lithium-ion battery cathodes. <i>Electrochimica Acta</i> , 2013, 101, 86-92. | 2.6 | 14 |
| 151 | The Effects of Morphology Re-Arrangements on the Pseudocapacitive Properties of Mesoporous Molybdenum Disulfide (MoS_2) Nanoflakes. <i>Journal of the Electrochemical Society</i> , 2016, 163, A1927-A1935. | 1.3 | 14 |
| 152 | Graphene oxide-modified nickel (II) tetra-aminophthalocyanine nanocomposites for high-power symmetric pseudocapacitor. <i>Electrochimica Acta</i> , 2016, 212, 876-882. | 2.6 | 14 |
| 153 | Interrogating the effects of ion-implantation-induced defects on the energy storage properties of bulk molybdenum disulphide. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28232-28240. | 1.3 | 14 |
| 154 | Physicochemical Properties of Nitrogen Doped Carbon Nanoions Grown by Flame Pyrolysis from Grapeseed Oil for Use in Supercapacitors. <i>Electroanalysis</i> , 2020, 32, 2946-2957. | 1.5 | 14 |
| 155 | Microwave-induced defective PdFe/C nanoelectrocatalyst for highly efficient alkaline glycerol oxidation reactions. <i>Electrochimica Acta</i> , 2022, 409, 139977. | 2.6 | 14 |
| 156 | Microwave irradiation suppresses the Jahn-Teller distortion in Spinel LiMn_2O_4 cathode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2022, 426, 140786. | 2.6 | 14 |
| 157 | Enantioselective, potentiometric membrane electrodes based on maltodextrins. <i>Sensors and Actuators B: Chemical</i> , 2004, 98, 97-100. | 4.0 | 13 |
| 158 | Determination of 2,3-Dideoxyinosine Using Iron (II) Phthalocyanine Modified Carbon Paste Electrode. <i>Analytical Letters</i> , 2004, 37, 2641-2648. | 1.0 | 13 |
| 159 | Stable nickel-substituted spinel cathode material ($\text{LiMn}_{1.9}\text{Ni}_{0.1}\text{O}_4$) for lithium-ion batteries obtained by using a low temperature aqueous reduction technique. <i>RSC Advances</i> , 2016, 6, 111882-111888. | 1.7 | 13 |
| 160 | Molten salt-directed synthesis method for LiMn_2O_4 nanorods as a cathode material for a lithium-ion battery with superior cyclability. <i>Materials Research Express</i> , 2017, 4, 025030. | 0.8 | 13 |
| 161 | Tuning the Nanoporous Structure of Carbons Derived from the Composite of Cross-Linked Polymers for Charge Storage Applications. <i>ACS Applied Energy Materials</i> , 2021, 4, 1763-1773. | 2.5 | 13 |
| 162 | Effects of microwave irradiation on the electrochemical performance of manganese-based cathode materials for lithium-ion batteries. <i>Current Opinion in Electrochemistry</i> , 2019, 18, 16-23. | 2.5 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | High Capacity and Rate Capability Binder-less Ternary Transition Metal-organic Framework as Anode Material for Lithium-ion Battery. <i>Electroanalysis</i> , 2020, 32, 3180-3188. | 1.5 | 12 |
| 164 | Stoichiometry design in hierarchical CoNiFe phosphide for highly efficient water oxidation. <i>Science China Materials</i> , 2022, 65, 2685-2693. | 3.5 | 12 |
| 165 | Electropolymerizable iron (III) and cobalt (II) dicyanophenoxy tetraphenylporphyrin complexes: Potential electrocatalysts. <i>Inorganic Chemistry Communication</i> , 2006, 9, 223-227. | 1.8 | 11 |
| 166 | Biomedical electrochemical sensors for resource-limited countries. <i>Current Opinion in Electrochemistry</i> , 2017, 3, 51-56. | 2.5 | 11 |
| 167 | Immobilization of tetra-amine substituted metallophthalocyanines at gold surfaces modified with mercaptopropionic acid or DTSP-SAMs. <i>Electrochimica Acta</i> , 2007, 52, 2024-2031. | 2.6 | 10 |
| 168 | Efficient Oxygen Reduction Reaction Using Ruthenium Tetrakis(diaquaplatinum)Octacarboxyphthalocyanine Catalyst Supported on MWCNT Platform. <i>Electroanalysis</i> , 2011, 23, 325-329. | 1.5 | 10 |
| 169 | Promotional Effects of Nanodiamond-Derived Onion-Like Carbons on the Electrocatalytic Properties of Pd-MnO ₂ for the Oxidation of Glycerol in Alkaline Medium. <i>ChemElectroChem</i> , 2016, 3, 2243-2251. | 1.7 | 10 |
| 170 | Phase-dependent electrocatalytic activity of colloiddally synthesized WP and WP_2 electrocatalysts for hydrogen evolution reaction. <i>New Journal of Chemistry</i> , 2021, 45, 15594-15606. | 1.4 | 10 |
| 171 | Utilization of Maltodextrin-Based Enantioselective, Potentiometric Membrane Electrodes for the Enantioselective Assay of S-flurbiprofen. <i>Analytical Letters</i> , 2006, 39, 1065-1073. | 1.0 | 9 |
| 172 | The synthesis of PdPt/carbon paper via surface limited redox replacement reactions for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 16734-16744. | 3.8 | 9 |
| 173 | Platinum supported on pristine and nitrogen-doped bowl-like broken hollow carbon spheres as oxygen reduction reaction catalysts. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 991-1008. | 1.5 | 9 |
| 174 | Performance of Pd@FeCo Catalyst in Anion Exchange Membrane Alcohol Fuel Cells. <i>Electrocatalysis</i> , 2021, 12, 295-309. | 1.5 | 9 |
| 175 | Microwave Activation of Palladium Nanoparticles for Enhanced Ethanol Electrocatalytic Oxidation Reaction in Alkaline Medium. <i>Electroanalysis</i> , 2015, 27, 957-963. | 1.5 | 8 |
| 176 | Indirect Formic Acid Fuel Cell Based on a Palladium or Palladium-Alloy Film Separating the Fuel Reaction and Electricity Generation. <i>ChemElectroChem</i> , 2021, 8, 378-385. | 1.7 | 8 |
| 177 | Bovine Serum Albumin-Dependent Charge-Transfer Kinetics Controls the Electrochemical Immunosensitive Detection: <i>Vibrio cholerae</i> as a Model Bioanalyte. <i>Electrocatalysis</i> , 2021, 12, 595-604. | 1.5 | 8 |
| 178 | Platinum Nanocatalysts Supported on Defective Hollow Carbon Spheres: Oxygen Reduction Reaction Durability Studies. <i>Frontiers in Chemistry</i> , 2022, 10, 839867. | 1.8 | 8 |
| 179 | Fundamental Studies on the Electrocatalytic Properties of Metal Macrocyclics and Other Complexes for the Electroreduction of O ₂ . <i>Lecture Notes in Energy</i> , 2013, , 157-212. | 0.2 | 7 |
| 180 | Onion-like carbon re-inforced electrospun polyacrylonitrile fibres for ultrasensitive electrochemical immunosensing of <i>Vibrio cholerae</i> toxin. <i>Electrochimica Acta</i> , 2020, 356, 136816. | 2.6 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Effects of Catalyst-Support Materials on the Performance of Fuel Cells. Nanostructure Science and Technology, 2016, , 517-550. | 0.1 | 6 |
| 182 | Recent advances in the cathode materials and solid-state electrolytes for lithium sulfur batteries. Electrochemistry Communications, 2022, 136, 107248. | 2.3 | 6 |
| 183 | Palladium-Based Nanocatalysts for Alcohol Electrooxidation in Alkaline Media. Lecture Notes in Energy, 2013, , 129-156. | 0.2 | 5 |
| 184 | Amplification of the discharge current density of lithium-ion batteries with spinel phase Li(PtAu) _{0.02} Mn _{1.98} O ₄ nano-materials. Electrochimica Acta, 2014, 128, 178-183. | 2.6 | 5 |
| 185 | Manganese-enriched electrochemistry of LiFePO ₄ /RGO nanohybrid for aqueous energy storage. Materials Research Express, 2017, 4, 075504. | 0.8 | 5 |
| 186 | Rapidly Microwave-Synthesized SnO ₂ Nanorods Anchored on Onion-Like Carbons (OLCs) as Anode Material for Lithium-Ion Batteries. Electrocatalysis, 2019, 10, 314-322. | 1.5 | 5 |
| 187 | Hierarchically fractal Co with highly exposed active facets and directed electron-transfer effect. Chemical Communications, 2022, 58, 6882-6885. | 2.2 | 5 |
| 188 | Enantioselective, Potentiometric Membrane Electrode, Based on Vancomycin as Chiral Selector, for the Assay of ϵ -Perindopril. Instrumentation Science and Technology, 2004, 32, 371-378. | 0.9 | 4 |
| 189 | Carbon nanotube-enhanced photoelectrochemical properties of metallo-octacarboxyphthalocyanines. Journal of Materials Science, 2014, 49, 340-346. | 1.7 | 4 |
| 190 | Nanostructured Cobalt(II) Tetracarboxyphthalocyanine Complex Supported Within the MWCNT Frameworks: Electron Transport and Charge Storage Capabilities. Electroanalysis, 2015, 27, 1707-1718. | 1.5 | 4 |
| 191 | Electrokinetic and Impedimetric Dynamics of FeCo-Nanoparticles on Glassy Carbon Electrode. Nano Hybrids, 2013, 3, 1-23. | 0.3 | 3 |
| 192 | Nanostructured Manganese Oxides in Supercapacitors. Nanostructure Science and Technology, 2016, , 345-376. | 0.1 | 3 |
| 193 | Capacity and charge-transport enhancement of LFP/RGO by doping with δ -MnO ₂ in a microwave-assisted synthesis. Applied Physics A: Materials Science and Processing, 2017, 123, 1. | 1.1 | 3 |
| 194 | Annealing Boosts the Supercapacitive Properties of Molybdenum Disulfide Powder. Electroanalysis, 2020, 32, 2642-2649. | 1.5 | 3 |
| 195 | Amperometric Immunosensor for the Determination of 2 ϵ ,3 ϵ -dideoxyinosine. Analytical Letters, 2009, 42, 758-763. | 1.0 | 2 |
| 196 | Next-Generation Nanostructured Lithium-Ion Cathode Materials: Critical Challenges for New Directions in R&D. Nanostructure Science and Technology, 2016, , 1-24. | 0.1 | 2 |
| 197 | Development of paper-based electrochemical sensors for water quality monitoring. , 2017, , . | | 2 |
| 198 | Ceria-Spiderweb Nanosheets Unlock the Energy-Storage Properties in the α -Triplite (Mn ₂ (PO ₄)F). ACS Applied Energy Materials, 0, , . | 2.5 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Efforts at Enhancing Bifunctional Electrocatalysis and Related Events for Rechargeable Zinc-Air Batteries. ChemElectroChem, 2021, 8, 3996-3996. | 1.7 | 2 |
| 200 | Physico-chemistry of energy-dense $\text{Li}_{1.2}\text{Mn}_{0.52}\text{Co}_{0.13}\text{Ni}_{0.13}\text{Al}_{0.02}\text{O}_2$ cathode material for lithium-ion batteries obtained from urea and ethylene glycol fuels. Materials Research Express, 2019, 6, 115501. | 0.8 | 1 |
| 201 | Titanium Vacancies in TiO_2 Nanofibers Enable Highly Efficient Photodriven Seawater Splitting. Chemistry - A European Journal, 2021, 27, 14142-14142. | 1.7 | 1 |
| 202 | Nitrogen-Enriched Metallophthalocyanine/Graphene Oxide Nanocomposites for High-Energy Asymmetric Electrochemical Capacitors in Aqueous Electrolytes. ECS Meeting Abstracts, 2012, , . | 0.0 | 0 |
| 203 | Influence of Microwave Irradiation and Combustion Fuels on the Rate Capability and Cycle Performance of $\text{Li}_{1.2}\text{Mn}_{0.52}\text{Ni}_{0.13}\text{Co}_{0.13}\text{Al}_{0.02}\text{O}_2$ Layered Material. Electroanalysis, 2020, 32, 3159-3169. | 1.5 | 0 |
| 204 | Editorial overview: Energy storage: An old dog with new tricks. Current Opinion in Electrochemistry, 2020, 21, A1-A5. | 2.5 | 0 |