

# Sheng-Ming Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4190860/publications.pdf>

Version: 2024-02-01

759  
papers

30,111  
citations

7551

77  
h-index

23472

111  
g-index

761  
all docs

761  
docs citations

761  
times ranked

19609  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Direct electrochemistry of glucose oxidase at electrochemically reduced graphene oxide-multiwalled carbon nanotubes hybrid material modified electrode for glucose biosensor. <i>Biosensors and Bioelectronics</i> , 2013, 41, 309-315.                  | 5.3 | 355       |
| 2  | A simple electrochemical approach to fabricate a glucose biosensor based on graphene-glucose oxidase biocomposite. <i>Biosensors and Bioelectronics</i> , 2013, 39, 70-75.   | 5.3 | 342       |
| 3  | Preparation and characterization of PtAu hybrid film modified electrodes and their use in simultaneous determination of dopamine, ascorbic acid and uric acid. <i>Talanta</i> , 2007, 74, 212-222.   | 2.9 | 311       |
| 4  | Highly selective amperometric nitrite sensor based on chemically reduced graphene oxide modified electrode. <i>Electrochemistry Communications</i> , 2012, 17, 75-78.  | 2.3 | 283       |
| 5  | Electrocatalysis and simultaneous detection of dopamine and ascorbic acid using poly(3,4-ethylenedioxy)thiophene film modified electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2006, 592, 77-87.   | 1.9 | 263       |
| 6  | Performing enzyme-free H <sub>2</sub> O <sub>2</sub> biosensor and simultaneous determination for AA, DA, and UA by MWCNT-PEDOT film. <i>Biosensors and Bioelectronics</i> , 2010, 26, 608-614.  | 5.3 | 224       |
| 7  | Honeycomb-like Porous Carbon-Cobalt Oxide Nanocomposite for High-Performance Enzymeless Glucose Sensor and Supercapacitor Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 15812-15820.  | 4.0 | 216       |
| 8  | Sonochemical Synthesis of Sulfur Doped Reduced Graphene Oxide Supported CuS Nanoparticles for the Non-Enzymatic Glucose Sensor Applications. <i>Scientific Reports</i> , 2017, 7, 2494.  | 1.6 | 188       |
| 9  | Amperometric glucose sensor based on glucose oxidase immobilized on gelatin-multiwalled carbon nanotube modified glassy carbon electrode. <i>Bioelectrochemistry</i> , 2011, 80, 114-120.  | 2.4 | 185       |
| 10 | A novel nonenzymatic hydrogen peroxide sensor based on reduced graphene oxide/ZnO composite modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 372-377.   | 4.0 | 185       |
| 11 | Dopamine sensor based on a glassy carbon electrode modified with a reduced graphene oxide and palladium nanoparticles composite. <i>Mikrochimica Acta</i> , 2013, 180, 1037-1042.  | 2.5 | 175       |
| 12 | A Study of Electrocatalytic and Photocatalytic Activity of Cerium Molybdate Nanocubes Decorated Graphene Oxide for the Sensing and Degradation of Antibiotic Drug Chloramphenicol. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 6547-6559.   | 4.0 | 170       |
| 13 | Simultaneous electrochemical determination of dopamine and paracetamol on multiwalled carbon nanotubes/graphene oxide nanocomposite-modified glassy carbon electrode. <i>Talanta</i> , 2013, 117, 297-304.   | 2.9 | 164       |
| 14 | Palladium Nanoparticle Incorporated Porous Activated Carbon: Electrochemical Detection of Toxic Metal Ions. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 1319-1326.  | 4.0 | 164       |
| 15 | Solvent-free mechanochemical synthesis of graphene oxide and Fe <sub>3</sub> O <sub>4</sub> -reduced graphene oxide nanocomposites for sensitive detection of nitrite. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15529-15539.                   | 5.2 | 163       |
| 16 | Nanocomposite of functionalized multiwall carbon nanotubes with nafion, nano platinum, and nano gold biosensing film for simultaneous determination of ascorbic acid, epinephrine, and uric acid. <i>Analytical Biochemistry</i> , 2007, 365, 122-131.   | 1.1 | 157       |
| 17 | Eco-friendly synthesis of activated carbon from dead mango leaves for the ultrahigh sensitive detection of toxic heavy metal ions and energy storage applications. <i>RSC Advances</i> , 2014, 4, 1225-1233.   | 1.7 | 156       |
| 18 | Molybdenum disulfide nanosheets coated multiwalled carbon nanotubes composite for highly sensitive determination of chloramphenicol in food samples milk, honey and powdered milk. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 129-136. | 5.0 | 153       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Methyl parathion detection in vegetables and fruits using silver@graphene nanoribbons nanocomposite modified screen printed electrode. <i>Scientific Reports</i> , 2017, 7, 46471.  | 1.6 | 152       |
| 20 | Direct electrochemistry of myoglobin at reduced graphene oxide-multiwalled carbon nanotubes-platinum nanoparticles nanocomposite and biosensing towards hydrogen peroxide and nitrite. <i>Biosensors and Bioelectronics</i> , 2014, 53, 420-427.                  | 5.3 | 151       |
| 21 | Enzymatic electrochemical glucose biosensors by mesoporous 1D hydroxyapatite-on-2D reduced graphene oxide. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1360-1370.  | 2.9 | 148       |
| 22 | Easy modification of glassy carbon electrode for simultaneous determination of ascorbic acid, dopamine and uric acid. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2712-2715.   | 5.3 | 145       |
| 23 | A highly sensitive nonenzymatic glucose sensor based on multi-walled carbon nanotubes decorated with nickel and copper nanoparticles. <i>Electrochimica Acta</i> , 2013, 96, 164-172.   | 2.6 | 143       |
| 24 | Green synthesis of gold nanoparticles for trace level detection of a hazardous pollutant (nitrobenzene) causing Methemoglobinaemia. <i>Journal of Hazardous Materials</i> , 2014, 279, 117-124.   | 6.5 | 142       |
| 25 | Silver nanoparticles synthesized from <i>Adenium obesum</i> leaf extract induced DNA damage, apoptosis and autophagy via generation of reactive oxygen species. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 158-169.                               | 2.5 | 142       |
| 26 | Direct electrochemistry and electrocatalysis of glucose oxidase immobilized on reduced graphene oxide and silver nanoparticles nanocomposite modified electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 114, 164-169.                              | 2.5 | 138       |
| 27 | Ultrathin Sulfur-Doped Graphitic Carbon Nitride Nanosheets As Metal-Free Catalyst for Electrochemical Sensing and Catalytic Removal of 4-Nitrophenol. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16021-16031.                                    | 3.2 | 137       |
| 28 | Poly(3,4-ethylenedioxythiophene-co-(5-amino-2-naphthalenesulfonic acid)) (PEDOT-PANS) film modified glassy carbon electrode for selective detection of dopamine in the presence of ascorbic acid and uric acid. <i>Analytica Chimica Acta</i> , 2007, 596, 92-98. | 2.6 | 135       |
| 29 | Fabrication of potato-like silver molybdate microstructures for photocatalytic degradation of chronic toxicity ciprofloxacin and highly selective electrochemical detection of H <sub>2</sub> O <sub>2</sub> . <i>Scientific Reports</i> , 2016, 6, 34149.        | 1.6 | 134       |
| 30 | 3D graphene oxide-cobalt oxide polyhedrons for highly sensitive non-enzymatic electrochemical determination of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 773-783.  | 4.0 | 131       |
| 31 | Multi-walled carbon nanotubes with poly(methylene blue) composite film for the enhancement and separation of electroanalytical responses of catecholamine and ascorbic acid. <i>Sensors and Actuators B: Chemical</i> , 2008, 130, 739-749.                       | 4.0 | 129       |
| 32 | Green synthesized gold nanoparticles decorated graphene oxide for sensitive determination of chloramphenicol in milk, powdered milk, honey and eye drops. <i>Journal of Colloid and Interface Science</i> , 2016, 475, 46-56.                                     | 5.0 | 129       |
| 33 | Modern Approach to the Synthesis of Ni(OH) <sub>2</sub> Decorated Sulfur Doped Carbon Nanoparticles for the Nonenzymatic Glucose Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 22545-22553.  | 4.0 | 126       |
| 34 | Manganese doped Co <sub>3</sub> O <sub>4</sub> mesoporous nanoneedle array for long cycle-stable supercapacitors. <i>Applied Surface Science</i> , 2019, 469, 941-950.  | 3.1 | 124       |
| 35 | A novel enzymatic glucose biosensor and sensitive non-enzymatic hydrogen peroxide sensor based on graphene and cobalt oxide nanoparticles composite modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 450-456.              | 4.0 | 123       |
| 36 | Determination of dopamine using a glassy carbon electrode modified with a graphene and carbon nanotube hybrid decorated with molybdenum disulfide flowers. <i>Mikrochimica Acta</i> , 2016, 183, 2267-2275.   | 2.5 | 121       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Construction of novel Pd/CeO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> nanocomposites as efficient visible-light photocatalysts for hexavalent chromium detoxification. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 514-526.                          | 5.0 | 121       |
| 38 | Nickel Nanoparticle-Decorated Porous Carbons for Highly Active Catalytic Reduction of Organic Dyes and Sensitive Detection of Hg(II) Ions. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24810-24821.   | 4.0 | 120       |
| 39 | Glucose biosensor based on glucose oxidase immobilized at gold nanoparticles decorated graphene-carbon nanotubes. <i>Enzyme and Microbial Technology</i> , 2015, 78, 40-45.  | 1.6 | 114       |
| 40 | Highly selective amperometric sensor for the trace level detection of hydrazine at bismuth nanoparticles decorated graphene nanosheets modified electrode. <i>Talanta</i> , 2014, 124, 43-51.  | 2.9 | 112       |
| 41 | A novel Laccase Biosensor based on Laccase immobilized Graphene-Cellulose Microfiber Composite modified Screen-Printed Carbon Electrode for Sensitive Determination of Catechol. <i>Scientific Reports</i> , 2017, 7, 41214.   | 1.6 | 110       |
| 42 | Antimicrobial efficacy of green synthesized drug blended silver nanoparticles against dental caries and periodontal disease causing microorganisms. <i>Materials Science and Engineering C</i> , 2015, 56, 374-379.  | 3.8 | 108       |
| 43 | Innovative Strategy Based on a Novel Carbon-Black <sup>®</sup> - $\beta$ -Cyclodextrin Nanocomposite for the Simultaneous Determination of the Anticancer Drug Flutamide and the Environmental Pollutant 4-Nitrophenol. <i>Analytical Chemistry</i> , 2018, 90, 6283-6291. | 3.2 | 107       |
| 44 | Core-shell heterostructured multiwalled carbon nanotubes@reduced graphene oxide nanoribbons/chitosan, a robust nanobiocomposite for enzymatic biosensing of hydrogen peroxide and nitrite. <i>Scientific Reports</i> , 2017, 7, 11910.                                     | 1.6 | 104       |
| 45 | Hierarchical CdIn <sub>2</sub> S <sub>4</sub> microspheres wrapped by mesoporous g-C <sub>3</sub> N <sub>4</sub> ultrathin nanosheets with enhanced visible light driven photocatalytic reduction activity. <i>Journal of Hazardous Materials</i> , 2016, 320, 529-538.    | 6.5 | 102       |
| 46 | Green synthesis of reduced graphene oxide supported TiO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> nanocomposite for photocatalytic degradation of methylene blue and crystal violet. <i>Ceramics International</i> , 2019, 45, 12926-12933.                             | 2.3 | 102       |
| 47 | Electrochemical detection of 4-nitrophenol based on biomass derived activated carbons. <i>Analytical Methods</i> , 2014, 6, 5274.  | 1.3 | 101       |
| 48 | Electrodeposition of copper nanoparticles using pectin scaffold at graphene nanosheets for electrochemical sensing of glucose and hydrogen peroxide. <i>Electrochimica Acta</i> , 2015, 176, 804-810.  | 2.6 | 101       |
| 49 | A novel and sensitive amperometric hydrazine sensor based on gold nanoparticles decorated graphite nanosheets modified screen printed carbon electrode. <i>Electrochimica Acta</i> , 2014, 139, 157-164.   | 2.6 | 100       |
| 50 | Environmentally friendly synthesis of CeO <sub>2</sub> nanoparticles for the catalytic oxidation of benzyl alcohol to benzaldehyde and selective detection of nitrite. <i>Scientific Reports</i> , 2017, 7, 46372.   | 1.6 | 100       |
| 51 | Heteroatom-enriched and renewable banana-stem-derived porous carbon for the electrochemical determination of nitrite in various water samples. <i>Scientific Reports</i> , 2014, 4, 4679.  | 1.6 | 99        |
| 52 | Electrochemical preparation of activated graphene oxide for the simultaneous determination of hydroquinone and catechol. <i>Journal of Colloid and Interface Science</i> , 2017, 500, 54-62.   | 5.0 | 99        |
| 53 | Zinc oxide/redox mediator composite films-based sensor for electrochemical detection of important biomolecules. <i>Analytical Biochemistry</i> , 2008, 380, 174-183.   | 1.1 | 98        |
| 54 | Nanocomposites composed of layered molybdenum disulfide and graphene for highly sensitive amperometric determination of methyl parathion. <i>Mikrochimica Acta</i> , 2017, 184, 725-733.   | 2.5 | 97        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Lignocellulosic biomass-derived, graphene sheet-like porous activated carbon for electrochemical supercapacitor and catechin sensing. <i>RSC Advances</i> , 2017, 7, 45668-45675.  | 1.7 | 95        |
| 56 | Palladium nanoparticles modified electrode for the selective detection of catecholamine neurotransmitters in presence of ascorbic acid. <i>Bioelectrochemistry</i> , 2009, 75, 163-169.  | 2.4 | 94        |
| 57 | Rapid microwave assisted synthesis of graphene nanosheets/polyethyleneimine/gold nanoparticle composite and its application to the selective electrochemical determination of dopamine. <i>Talanta</i> , 2014, 120, 148-157.   | 2.9 | 94        |
| 58 | Electrocatalysis and simultaneous determination of catechol and quinol by poly(malachite green) coated multiwalled carbon nanotube film. <i>Analytical Biochemistry</i> , 2011, 411, 71-79.  | 1.1 | 93        |
| 59 | Electrocatalytic oxidation of thiosulfate by metal hexacyanoferrate film modified electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1996, 417, 145-153.  | 1.9 | 91        |
| 60 | A review of the advanced developments of electrochemical sensors for the detection of toxic and bioactive molecules. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3418-3439.  | 3.0 | 91        |
| 61 | Highly sensitive amperometric sensor for carbamazepine determination based on electrochemically reduced graphene oxide/single-walled carbon nanotube composite film. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 274-280.  | 4.0 | 90        |
| 62 | Flower-Like Nickel/Cobalt Oxide Decorated Dopamine-Derived Carbon Nanocomposite for High Performance Supercapacitor Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5013-5020.   | 3.2 | 90        |
| 63 | Highly selective dopamine electrochemical sensor based on electrochemically pretreated graphite and nafion composite modified screen printed carbon electrode. <i>Journal of Colloid and Interface Science</i> , 2013, 411, 182-186.   | 5.0 | 87        |
| 64 | Synthesis and characterization of polypyrrole decorated graphene/ $\beta$ -cyclodextrin composite for low level electrochemical detection of mercury (II) in water. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 888-894.   | 4.0 | 87        |
| 65 | Amperometric glucose biosensor based on glucose oxidase dispersed in multiwalled carbon nanotubes/graphene oxide hybrid biocomposite. <i>Materials Science and Engineering C</i> , 2014, 34, 207-213.  | 3.8 | 86        |
| 66 | Simplistic synthesis of ultrafine CoMnO <sub>3</sub> nanosheets: An excellent electrocatalyst for highly sensitive detection of toxic 4-nitrophenol in environmental water samples. <i>Journal of Hazardous Materials</i> , 2019, 361, 123-133.  | 6.5 | 86        |
| 67 | Highly stable and sensitive amperometric sensor for the determination of trace level hydrazine at cross linked pectin stabilized gold nanoparticles decorated graphene nanosheets. <i>Electrochimica Acta</i> , 2014, 135, 260-269.  | 2.6 | 85        |
| 68 | Biosynthesis of silver nanoparticles by using <i>Camellia japonica</i> leaf extract for the electrocatalytic reduction of nitrobenzene and photocatalytic degradation of Eosin-Y. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 170, 164-172.                         | 1.7 | 85        |
| 69 | Electrochemically synthesized Pt/MnO <sub>2</sub> composite particles for simultaneous determination of catechol and hydroquinone. <i>Sensors and Actuators B: Chemical</i> , 2012, 169, 235-242.  | 4.0 | 83        |
| 70 | Graphene oxide encapsulated 3D porous chalcopyrite (CuFeS <sub>2</sub> ) nanocomposite as an emerging electrocatalyst for agro-hazardous (methyl paraoxon) detection in vegetables. <i>Composites Part B: Engineering</i> , 2019, 160, 268-276.  | 5.9 | 83        |
| 71 | Electrochemical properties of the acetaminophen on the screen printed carbon electrode towards the high performance practical sensor applications. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 109-117.   | 5.0 | 81        |
| 72 | Bimetallic vanadium cobalt diselenide nanosheets with additional active sites for excellent asymmetric pseudocapacitive performance: comparing the electrochemical performances with CoSe <sub>2</sub> (M = Zn, Mn, and Cu). <i>Journal of Materials Chemistry A</i> , 2019, 7, 12565-12581. | 5.2 | 81        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | A facile graphene oxide based sensor for electrochemical detection of prostate anti-cancer (anti-testosterone) drug flutamide in biological samples. RSC Advances, 2017, 7, 25702-25709.  | 1.7 | 80        |
| 74 | 3D Flower-Like Gadolinium Molybdate Catalyst for Efficient Detection and Degradation of Organophosphate Pesticide (Fenitrothion). ACS Applied Materials & Interfaces, 2018, 10, 15652-15664.  | 4.0 | 80        |
| 75 | A new electrochemical sensor for highly sensitive and selective detection of nitrite in food samples based on sonochemical synthesized Calcium Ferrite (CaFe <sub>2</sub> O <sub>4</sub> ) clusters modified screen printed carbon electrode. Journal of Colloid and Interface Science, 2018, 524, 417-426. | 5.0 | 80        |
| 76 | Detection of Pesticide Residues (Fenitrothion) in Fruit Samples Based On Niobium Carbide@Molybdenum Nanocomposite: An Electrocatalytic Approach. Analytica Chimica Acta, 2018, 1030, 52-60.   | 2.6 | 80        |
| 77 | Simultaneous determination of catechol and hydroquinone using a Pt/ZrO <sub>2</sub> -RGO/GCE composite modified glassy carbon electrode. Electrochimica Acta, 2014, 125, 503-509.   | 2.6 | 79        |
| 78 | Highly stable and active palladium nanoparticles supported on porous carbon for practical catalytic applications. Journal of Materials Chemistry A, 2014, 2, 16015-16022.   | 5.2 | 79        |
| 79 | Determination of 4-nitrophenol in water by use of a screen-printed carbon electrode modified with chitosan-crafted ZnO nanoneedles. Journal of Colloid and Interface Science, 2017, 499, 83-92.   | 5.0 | 79        |
| 80 | Functional porous carbon@ZnO nanocomposites for high-performance biosensors and energy storage applications. Physical Chemistry Chemical Physics, 2016, 18, 16466-16475.  | 1.3 | 78        |
| 81 | Nanomolar electrochemical detection of caffeic acid in fortified wine samples based on gold/palladium nanoparticles decorated graphene flakes. Journal of Colloid and Interface Science, 2017, 501, 77-85.  | 5.0 | 78        |
| 82 | Synthesis of silver nanoparticles decorated on core-shell structured tannic acid-coated iron oxide nanospheres for excellent electrochemical detection and efficient catalytic reduction of hazardous 4-nitrophenol. Composites Part B: Engineering, 2019, 162, 33-42.                                      | 5.9 | 78        |
| 83 | Synthesis and characterization of bimetallic nickel-cobalt chalcogenides (NiCoSe <sub>2</sub> , NiCo <sub>2</sub> S <sub>4</sub> , and Tj ETQq1 1 0.784314 rgBT /Overload) properties dependence on the metal-to-chalcogen composition. Renewable Energy, 2019, 138, 139-151.                               | 4.3 | 77        |
| 84 | Praseodymium Vanadate-Decorated Sulfur-Doped Carbon Nitride Hybrid Nanocomposite: The Role of a Synergistic Electrocatalyst for the Detection of Metronidazole. ACS Applied Materials & Interfaces, 2019, 11, 7893-7905.  | 4.0 | 77        |
| 85 | Preparation and characterization of gold nanoparticles decorated on graphene oxide@polydopamine composite: Application for sensitive and low potential detection of catechol. Sensors and Actuators B: Chemical, 2016, 233, 298-306.  | 4.0 | 76        |
| 86 | Facile Solvothermal Preparation of Mn <sub>2</sub> CuO <sub>4</sub> Microspheres: Excellent Electrocatalyst for Real-Time Detection of H <sub>2</sub> O <sub>2</sub> Released from Live Cells. ACS Applied Materials & Interfaces, 2018, 10, 43543-43551.   | 4.0 | 76        |
| 87 | Simultaneous determination of adenine guanine and thymine at multi-walled carbon nanotubes incorporated with poly(new fuchsin) composite film. Analytica Chimica Acta, 2009, 636, 19-27.  | 2.6 | 75        |
| 88 | Design of novel 3D flower-like neodymium molybdate: An efficient and challenging catalyst for sensing and destroying pulmonary toxicity antibiotic drug nitrofurantoin. Chemical Engineering Journal, 2018, 346, 11-23.   | 6.6 | 75        |
| 89 | Robust and selective electrochemical detection of antibiotic residues: The case of integrated lutetium vanadate/graphene sheets architectures. Journal of Hazardous Materials, 2020, 384, 121304.   | 6.5 | 75        |
| 90 | Palladium nanoparticles decorated on activated fullerene modified screen printed carbon electrode for enhanced electrochemical sensing of dopamine. Journal of Colloid and Interface Science, 2015, 448, 251-256.   | 5.0 | 74        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | Amperometric determination of H <sub>2</sub> O <sub>2</sub> at nano-TiO <sub>2</sub> /DNA/thionin nanocomposite modified electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 66, 266-273.   | 2.5 | 73        |
| 92  | Green synthesized silver nanoparticles decorated on reduced graphene oxide for enhanced electrochemical sensing of nitrobenzene in waste water samples. <i>RSC Advances</i> , 2015, 5, 31139-31146.  | 1.7 | 73        |
| 93  | Selective Colorimetric Detection of Nitrite in Water using Chitosan Stabilized Gold Nanoparticles Decorated Reduced Graphene oxide. <i>Scientific Reports</i> , 2017, 7, 14182.  | 1.6 | 73        |
| 94  | A Review on Direct Electrochemistry of Catalase for Electrochemical Sensors. <i>Sensors</i> , 2009, 9, 1821-1844.  | 2.1 | 72        |
| 95  | MoN Nanorod/Sulfur-Doped Graphitic Carbon Nitride for Electrochemical Determination of Chloramphenicol. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11088-11098.   | 3.2 | 72        |
| 96  | In Situ Synthesis, Characterization, and Catalytic Performance of Polypyrrole Polymer-Incorporated Ag <sub>2</sub> MoO <sub>4</sub> Nanocomposite for Detection and Degradation of Environmental Pollutants and Pharmaceutical Drugs. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 38321-38335. | 4.0 | 71        |
| 97  | Green biosynthesis of silver nanoparticles and nanomolar detection of p-nitrophenol. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1847-1854.   | 1.2 | 70        |
| 98  | Trace level electrochemical determination of the neurotransmitter dopamine in biological samples based on iron oxide nanoparticle decorated graphene sheets. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 705-718.  | 3.0 | 70        |
| 99  | Low-Temperature Chemical Synthesis of CoWO <sub>4</sub> Nanospheres for Sensitive Nonenzymatic Glucose Sensor. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17024-17028.  | 1.5 | 69        |
| 100 | Two-dimensional metal chalcogenides analogous NiSe <sub>2</sub> nanosheets and its efficient electrocatalytic performance towards glucose sensing. <i>Journal of Colloid and Interface Science</i> , 2017, 507, 378-385.   | 5.0 | 69        |
| 101 | Sonochemical synthesis of molybdenum oxide (MoO <sub>3</sub> ) microspheres anchored graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) ultrathin sheets for enhanced electrochemical sensing of Furazolidone. <i>Ultrasonics Sonochemistry</i> , 2019, 50, 96-104.                                 | 3.8 | 69        |
| 102 | Electrocatalytic reduction of oxygen and hydrogen peroxide at poly(p-aminobenzene sulfonic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302   | 4.8 | 68        |
| 103 | Preparation and characterization of bismuth oxide nanoparticles-multiwalled carbon nanotube composite for the development of horseradish peroxidase based H <sub>2</sub> O <sub>2</sub> biosensor. <i>Talanta</i> , 2011, 87, 15-23.   | 2.9 | 68        |
| 104 | Highly sensitive and selective hydrogen peroxide biosensor based on hemoglobin immobilized at multiwalled carbon nanotubesâ€“zinc oxide composite electrode. <i>Analytical Biochemistry</i> , 2012, 429, 108-115.  | 1.1 | 68        |
| 105 | Direct electrochemistry of cytochrome c immobilized on a graphene oxideâ€“carbon nanotube composite for picomolar detection of hydrogen peroxide. <i>RSC Advances</i> , 2014, 4, 28229-28237.  | 1.7 | 68        |
| 106 | A high performance quasi-solid-state supercapacitor based on CuMnO <sub>2</sub> nanoparticles. <i>Journal of Power Sources</i> , 2017, 355, 53-61.   | 4.0 | 68        |
| 107 | A voltammetric determination of caffeic acid in red wines based on the nitrogen doped carbon modified glassy carbon electrode. <i>Scientific Reports</i> , 2017, 7, 45924.   | 1.6 | 68        |
| 108 | Microwave-assisted synthesis of Bi <sub>2</sub> WO <sub>6</sub> flowers decorated graphene nanoribbon composite for electrocatalytic sensing of hazardous dihydroxybenzene isomers. <i>Composites Part B: Engineering</i> , 2018, 152, 220-230.  | 5.9 | 68        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | Electrochemical preparation and electrocatalytic properties of PEDOT/ferricyanide film-modified electrodes. <i>Electrochimica Acta</i> , 2005, 51, 347-355.   | 2.6 | 67        |
| 110 | Multiwalled carbon nanotubes dispersed in carminic acid for the development of catalase based biosensor for selective amperometric determination of H <sub>2</sub> O <sub>2</sub> and iodate. <i>Biosensors and Bioelectronics</i> , 2011, 29, 151-158.                   | 5.3 | 67        |
| 111 | A novel amperometric nitrite sensor based on screen printed carbon electrode modified with graphite/β <sub>2</sub> -cyclodextrin composite. <i>Journal of Electroanalytical Chemistry</i> , 2016, 760, 97-104.  | 1.9 | 67        |
| 112 | Screen-printed electrode modified with a composite prepared from graphene oxide nanosheets and Mn <sub>3</sub> O <sub>4</sub> microcubes for ultrasensitive determination of nitrite. <i>Mikrochimica Acta</i> , 2017, 184, 3625-3634.                                    | 2.5 | 67        |
| 113 | In situ electrochemical synthesis of highly loaded zirconium nanoparticles decorated reduced graphene oxide for the selective determination of dopamine and paracetamol in presence of ascorbic acid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 115, 295-301. | 2.5 | 66        |
| 114 | Biomass-derived functional porous carbons as novel electrode material for the practical detection of biomolecules in human serum and snail hemolymph. <i>Scientific Reports</i> , 2015, 5, 10141.   | 1.6 | 66        |
| 115 | Hydrothermal synthesis of NiWO <sub>4</sub> crystals for high performance non-enzymatic glucose biosensors. <i>Scientific Reports</i> , 2016, 6, 24128.   | 1.6 | 66        |
| 116 | One-Pot Green Synthesis of Graphene Nanosheets Encapsulated Gold Nanoparticles for Sensitive and Selective Detection of Dopamine. <i>Scientific Reports</i> , 2017, 7, 41213.   | 1.6 | 66        |
| 117 | A non-enzymatic amperometric hydrogen peroxide sensor based on iron nanoparticles decorated reduced graphene oxide nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2017, 487, 370-377.   | 5.0 | 66        |
| 118 | Sustainable porous activated carbon from <i>Polyalthia longifolia</i> seeds as electrode material for supercapacitor application. <i>Journal of Electroanalytical Chemistry</i> , 2019, 849, 113382.  | 1.9 | 66        |
| 119 | Facile synthesis of hierarchically nanostructured bismuth vanadate: An efficient photocatalyst for degradation and detection of hexavalent chromium. <i>Journal of Hazardous Materials</i> , 2019, 367, 647-657.  | 6.5 | 66        |
| 120 | Rational Design for the Synthesis of Europium Vanadate-Encapsulated Graphene Oxide Nanocomposite: An Excellent and Efficient Catalyst for the Electrochemical Detection of Cloquinol. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4136-4146.              | 3.2 | 66        |
| 121 | An electrochemical synthesis strategy for composite based ZnO microspheres@Au nanoparticles on reduced graphene oxide for the sensitive detection of hydrazine in water samples. <i>RSC Advances</i> , 2015, 5, 54379-54386.  | 1.7 | 65        |
| 122 | Preparation of highly stable fullerene C <sub>60</sub> decorated graphene oxide nanocomposite and its sensitive electrochemical detection of dopamine in rat brain and pharmaceutical samples. <i>Journal of Colloid and Interface Science</i> , 2016, 462, 375-381.      | 5.0 | 65        |
| 123 | Green reduction of reduced graphene oxide with nickel tetraphenyl porphyrin nanocomposite modified electrode for enhanced electrochemical determination of environmentally pollutant nitrobenzene. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 207-216.  | 5.0 | 65        |
| 124 | One-pot synthesis of highly stable silver nanoparticles-conducting polymer nanocomposite and its catalytic application. <i>Synthetic Metals</i> , 2009, 159, 2544-2549.   | 2.1 | 64        |
| 125 | Carboxyl-functionalized graphene oxide-modified electrode for the electrochemical determination of nonsteroidal anti-inflammatory drug diclofenac. <i>Ionics</i> , 2015, 21, 231-238.   | 1.2 | 64        |
| 126 | Eco-friendly synthesis of Ag-NPs using <i>Cerasus serrulata</i> plant extract @ Its catalytic, electrochemical reduction of 4-NPh and antibacterial activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 37, 330-339.                                 | 2.9 | 64        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 127 | Amperometric biosensor for hydrogen peroxide based on coimmobilized horseradish peroxidase and methylene green in ormosils matrix with multiwalled carbon nanotubes. <i>Talanta</i> , 2009, 79, 38-45.  | 2.9 | 63        |
| 128 | A novel yet simple strategy to fabricate visible light responsive C,N-TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> heterostructures with significantly enhanced photocatalytic hydrogen generation. <i>RSC Advances</i> , 2015, 5, 101214-101220.          | 1.7 | 63        |
| 129 | Immobilization of glucose oxidase on graphene and cobalt phthalocyanine composite and its application for the determination of glucose. <i>Enzyme and Microbial Technology</i> , 2014, 66, 60-66.   | 1.6 | 62        |
| 130 | Determination of oxidative stress biomarker 3-nitro-l-tyrosine using CdWO <sub>4</sub> nanodots decorated reduced graphene oxide. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 274-281.  | 4.0 | 62        |
| 131 | A core-shell molybdenum nanoparticles entrapped f-MWCNTs hybrid nanostructured material based non-enzymatic biosensor for electrochemical detection of dopamine neurotransmitter in biological samples. <i>Scientific Reports</i> , 2019, 9, 13075.             | 1.6 | 62        |
| 132 | A highly sensitive and selective electrochemical determination of non-steroidal prostate anti-cancer drug nilutamide based on f-MWCNT in tablet and human blood serum sample. <i>Journal of Colloid and Interface Science</i> , 2017, 487, 289-296.             | 5.0 | 61        |
| 133 | Entrapment of bimetallic CoFeSe <sub>2</sub> nanosphere on functionalized carbon nanofiber for selective and sensitive electrochemical detection of caffeic acid in wine samples. <i>Analytica Chimica Acta</i> , 2018, 1006, 22-32.                            | 2.6 | 61        |
| 134 | Design of Novel Ytterbium Molybdate Nanoflakes Anchored Carbon Nanofibers: Challenging Sustainable Catalyst for the Detection and Degradation of Assassination Weapon (Paraoxon-Ethyl). <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8615-8630.  | 3.2 | 61        |
| 135 | Construction of Lanthanum Vanadate/Functionalized Boron Nitride Nanocomposite: The Electrochemical Sensor for Monitoring of Furazolidone. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2784-2794.  | 3.2 | 61        |
| 136 | A simple strategy for the immobilization of catalase on multi-walled carbon nanotube/poly (l-lysine) biocomposite for the detection of H <sub>2</sub> O <sub>2</sub> and iodate. <i>Biosensors and Bioelectronics</i> , 2014, 61, 639-647.                      | 5.3 | 60        |
| 137 | Heteroatom-enriched porous carbon/nickel oxide nanocomposites as enzyme-free highly sensitive sensors for detection of glucose. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 1384-1390.  | 4.0 | 60        |
| 138 | Electrochemical co-preparation of cobalt sulfide/reduced graphene oxide composite for electrocatalytic activity and determination of H <sub>2</sub> O <sub>2</sub> in biological samples. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 153-162. | 5.0 | 60        |
| 139 | Voltammetric sensing of sulfamethoxazole using a glassy carbon electrode modified with a graphitic carbon nitride and zinc oxide nanocomposite. <i>Mikrochimica Acta</i> , 2018, 185, 396.  | 2.5 | 60        |
| 140 | Label-Free Electrochemical Immunosensor Based on One-Step Electrochemical Deposition of AuNP-RGO Nanocomposites for Detection of Endometriosis Marker CA 125. <i>ACS Applied Bio Materials</i> , 2020, 3, 7620-7630.  | 2.3 | 60        |
| 141 | Pinecone shape hydroxypropyl-β-cyclodextrin on a film of multi-walled carbon nanotubes coated with gold particles for the simultaneous determination of tyrosine, guanine, adenine and thymine. <i>Carbon</i> , 2007, 45, 2783-2796.                            | 5.4 | 59        |
| 142 | NiCo <sub>2</sub> O <sub>4</sub> -decorated porous carbon nanosheets for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2017, 247, 288-295.   | 2.6 | 59        |
| 143 | Carbon aerogel supported palladium-ruthenium nanoparticles for electrochemical sensing and catalytic reduction of food dye. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 48-59.  | 4.0 | 59        |
| 144 | Microwave-assisted synthesis of europium(III) oxide decorated reduced graphene oxide nanocomposite for detection of chloramphenicol in food samples. <i>Composites Part B: Engineering</i> , 2019, 161, 29-36.  | 5.9 | 59        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 145 | Influence of Nickel concentration on the photocatalytic dye degradation (methylene blue and reactive) Tj ETQq1 1 0.784314 59 BT / Over  | 2.3 | 59        |
| 146 | Construction of carbon bridged TiO <sub>2</sub> /CdS tandem Z-scheme heterojunctions toward efficient photocatalytic antibiotic degradation and Cr (VI) reduction. Journal of Alloys and Compounds, 2020, 824, 153915.                              | 2.8 | 59        |
| 147 | Three-Dimensional Fibrous Network of Na <sub>0.21</sub> MnO <sub>2</sub> for Aqueous Sodium-Ion Hybrid Supercapacitors. Chemistry - A European Journal, 2017, 23, 2379-2386.  | 1.7 | 58        |
| 148 | Assessment of divergent functional properties of seed-like strontium molybdate for the photocatalysis and electrocatalysis of the postharvest scald inhibitor diphenylamine. Journal of Catalysis, 2017, 352, 606-616.                              | 3.1 | 58        |
| 149 | Rational Confinement of Yttrium Vanadate within Three-Dimensional Graphene Aerogel: Electrochemical Analysis of Monoamine Neurotransmitter (Dopamine). ACS Applied Materials & Interfaces, 2021, 13, 10987-10995.                                   | 4.0 | 58        |
| 150 | Amperometric detection of nitrite in water samples by use of electrodes consisting of palladium-nanoparticle-functionalized multi-walled carbon nanotubes. Journal of Colloid and Interface Science, 2016, 478, 413-420.                            | 5.0 | 57        |
| 151 | Voltammetric determination of Sudan I in food samples based on platinum nanoparticles decorated on graphene- $\beta$ -cyclodextrin modified electrode. Journal of Electroanalytical Chemistry, 2017, 794, 64-70.                                    | 1.9 | 57        |
| 152 | Sonochemical driven simple preparation of nitrogen-doped carbon quantum dots/SnO <sub>2</sub> nanocomposite: A novel electrocatalyst for sensitive voltammetric determination of riboflavin. Sensors and Actuators B: Chemical, 2019, 281, 602-612. | 4.0 | 57        |
| 153 | Fabrication of Platinum-Rhenium Nanoparticle-Decorated Porous Carbons: Voltammetric Sensing of Furazolidone. ACS Sustainable Chemistry and Engineering, 2020, 8, 3591-3605.   | 3.2 | 57        |
| 154 | Electrochemical detection of toxic ractopamine and salbutamol in pig meat and human urine samples by using poly taurine/zirconia nanoparticles modified electrodes. Colloids and Surfaces B: Biointerfaces, 2013, 110, 242-247.                     | 2.5 | 56        |
| 155 | Synthesis and characterization of graphene-cobalt phthalocyanines and graphene-iron phthalocyanine composites and their enzymatic fuel cell application. Renewable Energy, 2015, 74, 867-874.   | 4.3 | 56        |
| 156 | Ultrathin 2D graphitic carbon nitride nanosheets decorated with silver nanoparticles for electrochemical sensing of quercetin. Journal of Electroanalytical Chemistry, 2018, 826, 207-216.  | 1.9 | 56        |
| 157 | Determination of Neurotransmitter in Biological and Drug Samples Using Gold Nanorods Decorated MWCNTs Modified Electrode. Journal of the Electrochemical Society, 2018, 165, B370-B377.   | 1.3 | 56        |
| 158 | Sonochemical synthesis of bismuth(III) oxide decorated reduced graphene oxide nanocomposite for detection of hormone (epinephrine) in human and rat serum. Ultrasonics Sonochemistry, 2019, 51, 103-110.  | 3.8 | 56        |
| 159 | Structural Insights on 2D Gadolinium Tungstate Nanoflake: A Promising Electrocatalyst for Sensor and Photocatalyst for the Degradation of Postharvest Fungicide (Carbendazim). ACS Applied Materials & Interfaces, 2019, 11, 37172-37183.           | 4.0 | 55        |
| 160 | Electrochemical synthesis of Au-MnO <sub>2</sub> on electrophoretically prepared graphene nanocomposite for high performance supercapacitor and biosensor applications. Journal of Materials Chemistry A, 2016, 4, 3304-3315.                       | 5.2 | 54        |
| 161 | Synthesis and Characterization of Samarium-Substituted Molybdenum Diselenide and Its Graphene Oxide Nanohybrid for Enhancing the Selective Sensing of Chloramphenicol in a Milk Sample. ACS Applied Materials & Interfaces, 2018, 10, 29712-29723.  | 4.0 | 54        |
| 162 | Transition-Metal-Doped Molybdenum Diselenides with Defects and Abundant Active Sites for Efficient Performances of Enzymatic Biofuel Cell and Supercapacitor Applications. ACS Applied Materials & Interfaces, 2019, 11, 18483-18493.               | 4.0 | 54        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 163 | Rational Design of Cu@Cu <sub>2</sub> O Nanospheres Anchored B, N Co-doped Mesoporous Carbon: A Sustainable Electrocatalyst To Assay Eminent Neurotransmitters Acetylcholine and Dopamine. ACS Sustainable Chemistry and Engineering, 2019, 7, 5669-5680.                                     | 3.2 | 54        |
| 164 | Hydrothermal synthesis of NiFe <sub>2</sub> O <sub>4</sub> nanoparticles as an efficient electrocatalyst for the electrochemical detection of bisphenol A. New Journal of Chemistry, 2020, 44, 7698-7707.   | 1.4 | 54        |
| 165 | Fabrication of Bi <sub>2</sub> MoO <sub>6</sub> nanoplates hybridized with g-C <sub>3</sub> N <sub>4</sub> nanosheets as highly efficient visible light responsive heterojunction photocatalysts for Rhodamine B degradation. Materials Science in Semiconductor Processing, 2015, 35, 45-54. | 1.9 | 53        |
| 166 | Highly sensitive determination of non-steroidal anti-inflammatory drug nimesulide using electrochemically reduced graphene oxide nanoribbons. RSC Advances, 2017, 7, 33043-33051.   | 1.7 | 53        |
| 167 | Electrochemical synthesis of nitrogen-doped carbon quantum dots decorated copper oxide for the sensitive and selective detection of non-steroidal anti-inflammatory drug in berries. Journal of Colloid and Interface Science, 2018, 523, 191-200.  | 5.0 | 53        |
| 168 | Rational Design and Interlayer Effect of Dysprosium-Stannate Nanoplatelets Incorporated Graphene Oxide: A Versatile and Competent Electrocatalyst for Toxic Carbamate Pesticide Detection in Vegetables. ACS Sustainable Chemistry and Engineering, 2020, 8, 17882-17892.                     | 3.2 | 53        |
| 169 | Preparation of $\beta$ -cyclodextrin entrapped graphite composite for sensitive detection of dopamine. Carbohydrate Polymers, 2016, 135, 267-273.   | 5.1 | 52        |
| 170 | A cerium vanadate interconnected with a carbon nanofiber heterostructure for electrochemical determination of the prostate cancer drug nilutamide. Mikrochimica Acta, 2019, 186, 579.   | 2.5 | 52        |
| 171 | Porous carbon-modified electrodes as highly selective and sensitive sensors for detection of dopamine. Analyst, The, 2014, 139, 4994.   | 1.7 | 51        |
| 172 | Direct electrochemistry of glucose oxidase immobilized on ZrO <sub>2</sub> nanoparticles-decorated reduced graphene oxide sheets for a glucose biosensor. RSC Advances, 2014, 4, 30358-30367.   | 1.7 | 51        |
| 173 | Preparation of chitosan grafted graphite composite for sensitive detection of dopamine in biological samples. Carbohydrate Polymers, 2016, 151, 401-407.  | 5.1 | 51        |
| 174 | Graphene Oxide Nanoribbons Film Modified Screen-Printed Carbon Electrode for Real-Time Detection of Methyl Parathion in Food Samples. Journal of the Electrochemical Society, 2017, 164, B403-B408.   | 1.3 | 51        |
| 175 | Studies on the influence of $\beta$ -cyclodextrin on graphene oxide and its synergistic activity to the electrochemical detection of nitrobenzene. Journal of Colloid and Interface Science, 2017, 490, 365-371.  | 5.0 | 51        |
| 176 | Rational design and facile synthesis of binary metal sulfides VS <sub>2</sub> -SnS <sub>2</sub> hybrid with functionalized multiwalled carbon nanotube for the selective detection of neurotransmitter dopamine. Analytica Chimica Acta, 2019, 1071, 98-108.                                  | 2.6 | 51        |
| 177 | A simple and flexible enzymatic glucose biosensor using chitosan entrapped mesoporous carbon nanocomposite. Microchemical Journal, 2019, 147, 848-856.  | 2.3 | 51        |
| 178 | Sonochemical synthesis of graphene oxide sheets supported Cu <sub>2</sub> S nanodots for high sensitive electrochemical determination of caffeic acid in red wine and soft drinks. Composites Part B: Engineering, 2019, 158, 419-427.  | 5.9 | 51        |
| 179 | Coherent design of palladium nanostructures adorned on the boron nitride heterojunctions for the unparalleled electrochemical determination of fatal organophosphorus pesticides. Sensors and Actuators B: Chemical, 2020, 307, 127586.   | 4.0 | 51        |
| 180 | Design and Construction of the Gadolinium Oxide Nanorod-Embedded Graphene Aerogel: A Potential Application for Electrochemical Detection of Postharvest Fungicide. ACS Applied Materials & Interfaces, 2020, 12, 16216-16226.   | 4.0 | 51        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 181 | Enhanced electrocatalytic oxidation of isoniazid at electrochemically modified rhodium electrode for biological and pharmaceutical analysis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 444-450.   | 2.5 | 50        |
| 182 | Edge-carboxylated graphene anchoring magnetite-hydroxyapatite nanocomposite for an efficient 4-nitrophenol sensor. <i>RSC Advances</i> , 2015, 5, 13392-13401.   | 1.7 | 50        |
| 183 | Direct electrochemistry of glucose oxidase and sensing of glucose at a glassy carbon electrode modified with a reduced graphene oxide/fullerene-C60 composite. <i>RSC Advances</i> , 2015, 5, 77651-77657.   | 1.7 | 50        |
| 184 | Electrochemical Determination of Caffeic Acid in Wine Samples Using Reduced Graphene Oxide/Polydopamine Composite. <i>Journal of the Electrochemical Society</i> , 2016, 163, B726-B731.   | 1.3 | 50        |
| 185 | A Facile Electrochemical Preparation of Reduced Graphene Oxide@Polydopamine Composite: A Novel Electrochemical Sensing Platform for Amperometric Detection of Chlorpromazine. <i>Scientific Reports</i> , 2016, 6, 33599.  | 1.6 | 50        |
| 186 | Ruthenium Nanoparticles Decorated Tungsten Oxide as a Bifunctional Catalyst for Electrocatalytic and Catalytic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 31794-31805.   | 4.0 | 50        |
| 187 | Highly sensitive fluorogenic sensing of L-Cysteine in live cells using gelatin-stabilized gold nanoparticles decorated graphene nanosheets. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 339-346.   | 4.0 | 50        |
| 188 | Multi-functionalized biosensor at WO <sub>3</sub> @TiO <sub>2</sub> modified electrode for photoelectrocatalysis of norepinephrine and riboflavin. <i>Sensors and Actuators B: Chemical</i> , 2012, 174, 427-435.  | 4.0 | 49        |
| 189 | Iron nanoparticles decorated graphene-multiwalled carbon nanotubes nanocomposite-modified glassy carbon electrode for the sensitive determination of nitrite. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1015-1023.                                      | 1.2 | 49        |
| 190 | Direct electrochemistry of myoglobin at silver nanoparticles/myoglobin biocomposite: Application for hydrogen peroxide sensing. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 177-184.   | 4.0 | 49        |
| 191 | Hierarchically structured CuFe <sub>2</sub> O <sub>4</sub> ND@RGO composite for the detection of oxidative stress biomarker in biological fluids. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 944-950.   | 3.0 | 49        |
| 192 | Innovation of Novel Stone-Like Perovskite Structured Calcium Stannate (CaSnO <sub>3</sub> ): Synthesis, Characterization, and Application Headed for Sensing Photographic Developing Agent Metol. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4419-4430. | 3.2 | 49        |
| 193 | Synergistic effect of a catechin-immobilized poly(3,4-ethylenedioxythiophene)-modified electrode on electrocatalysis of NADH in the presence of ascorbic acid and uric acid. <i>Electrochimica Acta</i> , 2006, 52, 665-674.   | 2.6 | 48        |
| 194 | Simultaneous determination for toxic ractopamine and salbutamol in pork sample using hybrid carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 428-436.   | 4.0 | 48        |
| 195 | Direct electrochemistry of glucose oxidase and sensing glucose using a screen-printed carbon electrode modified with graphite nanosheets and zinc oxide nanoparticles. <i>Mikrochimica Acta</i> , 2014, 181, 1843-1850.  | 2.5 | 48        |
| 196 | An electrocatalytic oxidation and voltammetric method using a chemically reduced graphene oxide film for the determination of caffeic acid. <i>Journal of Colloid and Interface Science</i> , 2014, 423, 33-40.  | 5.0 | 48        |
| 197 | Functional Porous Carbon/Nickel Oxide Nanocomposites as Binder-Free Electrodes for Supercapacitors. <i>Chemistry - A European Journal</i> , 2015, 21, 8200-8206.   | 1.7 | 48        |
| 198 | Facile one-pot sonochemical synthesis of Ni doped bismuth sulphide for the electrochemical determination of promethazine hydrochloride. <i>Ultrasonics Sonochemistry</i> , 2019, 54, 68-78.  | 3.8 | 48        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 199 | Sonochemically exfoliated graphitic-carbon nitride for the electrochemical detection of flutamide in environmental samples. <i>Diamond and Related Materials</i> , 2020, 108, 107975.  | 1.8 | 48        |
| 200 | Synthesis and characterizations of biscuit-like copper oxide for the non-enzymatic glucose sensor applications. <i>Journal of Colloid and Interface Science</i> , 2017, 493, 349-355.  | 5.0 | 47        |
| 201 | Electrocatalytic reduction of nitroaromatic compounds by activated graphite sheets in the presence of atmospheric oxygen molecules. <i>Journal of Catalysis</i> , 2017, 356, 43-52.  | 3.1 | 47        |
| 202 | A novel design and synthesis of ruthenium sulfide decorated activated graphite nanocomposite for the electrochemical determination of antipsychotic drug chlorpromazine. <i>Composites Part B: Engineering</i> , 2019, 168, 282-290.   | 5.9 | 47        |
| 203 | Highly sensitive and selective amperometric nitrite sensor based on electrochemically activated graphite modified screen printed carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2014, 727, 34-38.   | 1.9 | 46        |
| 204 | A sensitive and selective enzyme-free amperometric glucose biosensor using a composite from multi-walled carbon nanotubes and cobalt phthalocyanine. <i>RSC Advances</i> , 2015, 5, 26762-26768.   | 1.7 | 46        |
| 205 | Reduced Graphene Oxide Non-covalent Functionalized with Zinc Tetra Phenyl Porphyrin Nanocomposite for Electrochemical Detection of Dopamine in Human Serum and Rat Brain Samples. <i>Electroanalysis</i> , 2016, 28, 2126-2135.  | 1.5 | 46        |
| 206 | Green synthesis of a novel flower-like cerium vanadate microstructure for electrochemical detection of tryptophan in food and biological samples. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 78-86.  | 5.0 | 46        |
| 207 | Facile and novel synthesis of palladium nanoparticles supported on a carbon aerogel for ultrasensitive electrochemical sensing of biomolecules. <i>Nanoscale</i> , 2017, 9, 6486-6496.   | 2.8 | 46        |
| 208 | Reduced graphene oxide supported raspberry-like SrWO <sub>4</sub> for sensitive detection of catechol in green tea and drinking water samples. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 89, 215-223.   | 2.7 | 46        |
| 209 | Sonochemically recovered silver oxide nanoparticles from the wastewater of photo film processing units as an electrode material for supercapacitor and sensing of 2, 4, 6-trichlorophenol in agricultural soil samples. <i>Ultrasonics Sonochemistry</i> , 2019, 50, 255-264.  | 3.8 | 46        |
| 210 | Construction of metal-free oxygen-doped graphitic carbon nitride as an electrochemical sensing platform for determination of antimicrobial drug metronidazole. <i>Applied Surface Science</i> , 2021, 556, 149814.   | 3.1 | 46        |
| 211 | Selective Detection of Uric Acid in the Presence of Ascorbic Acid and Dopamine Using Polymerized Luminol Film Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2009, 21, 2281-2286.  | 1.5 | 45        |
| 212 | Ruthenium nanoparticles decorated curl-like porous carbons for high performance supercapacitors. <i>Scientific Reports</i> , 2016, 6, 19949.   | 1.6 | 45        |
| 213 | Investigation on the Electrocatalytic Determination and Photocatalytic Degradation of Neurotoxicity Drug Clioquinol by Sn(MoO <sub>4</sub> ) <sub>2</sub> Nanoplates. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26582-26592.  | 4.0 | 45        |
| 214 | Fabrication of g-C <sub>3</sub> N <sub>4</sub> Nanomesh-Anchored Amorphous NiCoP <sub>2</sub> O <sub>7</sub> : Tuned Cycling Life and the Dynamic Behavior of a Hybrid Capacitor. <i>ACS Omega</i> , 2018, 3, 18694-18704.   | 1.6 | 45        |
| 215 | Determination of 8-hydroxy-2'-deoxyguanosine oxidative stress biomarker using dysprosium oxide nanoparticles@reduced graphene oxide. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2885-2892.  | 3.0 | 45        |
| 216 | A comparative study on conventionally prepared MnFe <sub>2</sub> O <sub>4</sub> nanospheres and template-synthesized novel MnFe <sub>2</sub> O <sub>4</sub> nano-agglomerates as the electrodes for biosensing of mercury contaminations and supercapacitor applications. <i>Electrochimica Acta</i> , 2018, 290, 533-543. | 2.6 | 45        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 217 | Development of novel 3D flower-like praseodymium molybdate decorated reduced graphene oxide: An efficient and selective electrocatalyst for the detection of acetylcholinesterase inhibitor methyl parathion. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 353-361.               | 4.0 | 45        |
| 218 | Fabrication of europium doped molybdenum diselenide nanoflower based electrochemical sensor for sensitive detection of diphenylamine in apple juice. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 616-626.  | 4.0 | 45        |
| 219 | Hydrothermal synthesis of silver molybdate/reduced graphene oxide hybrid composite: An efficient electrode material for the electrochemical detection of tryptophan in food and biological samples. <i>Composites Part B: Engineering</i> , 2019, 169, 249-257.                            | 5.9 | 45        |
| 220 | Ultrasonic energy-assisted preparation of $\beta$ -cyclodextrin-carbon nanofiber composite: Application for electrochemical sensing of nitrofurantoin. <i>Ultrasonics Sonochemistry</i> , 2019, 52, 391-400.   | 3.8 | 45        |
| 221 | Ultrasonication-aided synthesis of nanoplates-like iron molybdate: Fabricated over glassy carbon electrode as a modified electrode for the selective determination of first generation antihistamine drug promethazine hydrochloride. <i>Ultrasonics Sonochemistry</i> , 2020, 66, 104977. | 3.8 | 45        |
| 222 | Synthesis and application of bismuth ferrite nanosheets supported functionalized carbon nanofiber for enhanced electrochemical detection of toxic organic compound in water samples. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 59-69.                                   | 5.0 | 45        |
| 223 | Haemoglobin immobilized on nafion modified multi-walled carbon nanotubes for O <sub>2</sub> , H <sub>2</sub> O <sub>2</sub> and CCl <sub>3</sub> COOH sensors. <i>Talanta</i> , 2009, 78, 896-902.   | 2.9 | 44        |
| 224 | Direct electrochemistry of catalase at multiwalled carbon nanotubes-nafion in presence of needle shaped DDAB for H <sub>2</sub> O <sub>2</sub> sensor. <i>Talanta</i> , 2009, 78, 1414-1421.   | 2.9 | 44        |
| 225 | One-step sonochemical synthesis of 1D $\beta$ -stannous tungstate nanorods: An efficient and excellent electrocatalyst for the selective electrochemical detection of antipsychotic drug chlorpromazine. <i>Ultrasonics Sonochemistry</i> , 2018, 44, 231-239.                             | 3.8 | 44        |
| 226 | Ex-situ decoration of graphene oxide with palladium nanoparticles for the highly sensitive and selective electrochemical determination of chloramphenicol in food and biological samples. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 89, 26-38.                  | 2.7 | 44        |
| 227 | Active-Site-Rich 1T-Phase CoMoSe <sub>2</sub> Integrated Graphene Oxide Nanocomposite as an Efficient Electrocatalyst for Electrochemical Sensor and Energy Storage Applications. <i>Analytical Chemistry</i> , 2019, 91, 8358-8365.   | 3.2 | 44        |
| 228 | Facile synthesis of MnO <sub>2</sub> /carbon nanotubes decorated with a nanocomposite of Pt nanoparticles as a new platform for the electrochemical detection of catechin in red wine and green tea samples. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6285-6292.                 | 2.9 | 43        |
| 229 | Synthesis and Characterization of Porous MnCo <sub>2</sub> O <sub>4</sub> for Electrochemical Determination of Cadmium ions in Water Samples. <i>Scientific Reports</i> , 2017, 7, 653.  | 1.6 | 43        |
| 230 | Reduced Graphene Oxide Supported Cobalt Bipyridyl Complex for Sensitive Detection of Methyl Parathion in Fruits and Vegetables. <i>Electroanalysis</i> , 2017, 29, 1950-1960.  | 1.5 | 43        |
| 231 | A novel synthesis of non-aggregated spinel nickel ferrite nanosheets for developing non-enzymatic reactive oxygen species sensor in biological samples. <i>Journal of Electroanalytical Chemistry</i> , 2018, 820, 161-167.  | 1.9 | 43        |
| 232 | A new type of terbium diselenide nano octagon integrated oxidized carbon nanofiber: An efficient electrode material for electrochemical detection of morin in the food sample. <i>Sensors and Actuators B: Chemical</i> , 2018, 269, 354-367.  | 4.0 | 43        |
| 233 | Ultrasound treated cerium oxide/tin oxide (CeO <sub>2</sub> /SnO <sub>2</sub> ) nanocatalyst: A feasible approach and enhanced electrode material for sensing of anti-inflammatory drug 5-aminosalicylic acid in biological samples. <i>Analytica Chimica Acta</i> , 2020, 1096, 76-88.    | 2.6 | 43        |
| 234 | A robust Mn@FeNi-S/graphene oxide nanocomposite as a high-efficiency catalyst for the non-enzymatic electrochemical detection of hydrogen peroxide. <i>Nanoscale</i> , 2020, 12, 5961-5972.  | 2.8 | 43        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 235 | A simple hydrothermal synthesis and fabrication of zinc oxide@ copper oxide heterostructure for the sensitive determination of nonenzymatic glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 1299-1306.  | 4.0 | 42        |
| 236 | Exploring the promising potential of MoS <sub>2</sub> @RuS <sub>2</sub> binary metal sulphide towards the electrocatalysis of antibiotic drug sulphadiazine. <i>Analytica Chimica Acta</i> , 2019, 1086, 55-65.  | 2.6 | 42        |
| 237 | Facile Synthesis of Spinel-Type Copper Cobaltite Nanoplates for Enhanced Electrocatalytic Detection of Acetylcholine. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7642-7651.   | 3.2 | 42        |
| 238 | One-Pot Sustainable Synthesis of Ce <sub>2</sub> S <sub>3</sub> /Gum Arabic Carbon Flower Nanocomposites for the Detection of Insecticide Imidacloprid. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 4980-4988.   | 4.0 | 42        |
| 239 | Electrochemical detection of thiamethoxam in food samples based on Co <sub>3</sub> O <sub>4</sub> Nanoparticle@Graphitic carbon nitride composite. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 110035.  | 2.9 | 42        |
| 240 | Three-dimensional zinc oxide nanostars anchored on graphene oxide for voltammetric determination of methyl parathion. <i>Mikrochimica Acta</i> , 2020, 187, 17.  | 2.5 | 42        |
| 241 | Low potential detection of antiprotozoal drug metronidazole with aid of novel dysprosium vanadate incorporated oxidized carbon nanofiber modified disposable screen-printed electrode. <i>Journal of Hazardous Materials</i> , 2021, 407, 124745.                          | 6.5 | 42        |
| 242 | Development of Palladium on Bismuth Sulfide Nanorods as a Bifunctional Nanomaterial for Efficient Electrochemical Detection and Photoreduction of Hg(II) Ions. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 5908-5920.  | 4.0 | 42        |
| 243 | Simultaneous and selective electrochemical determination of dihydroxybenzene isomers at a reduced graphene oxide and copper nanoparticles composite modified glassy carbon electrode. <i>Analytical Methods</i> , 2014, 6, 4271-4278.                                      | 1.3 | 41        |
| 244 | A simple electrochemical platform for detection of nitrobenzene in water samples using an alumina polished glassy carbon electrode. <i>Journal of Colloid and Interface Science</i> , 2016, 475, 154-160.  | 5.0 | 41        |
| 245 | Phyto mediated biogenic synthesis of gold nanoparticles using <i>Cerasus serrulata</i> and its utility in detecting hydrazine, microbial activity and DFT studies. <i>Journal of Colloid and Interface Science</i> , 2016, 468, 163-175.                                   | 5.0 | 41        |
| 246 | In situ electrochemical synthesis of reduced graphene oxide-cobalt oxide nanocomposite modified electrode for selective sensing of depression biomarker in the presence of ascorbic acid and dopamine. <i>Journal of Electroanalytical Chemistry</i> , 2017, 786, 169-176. | 1.9 | 41        |
| 247 | Electrochemical determination of morin in Kiwi and Strawberry fruit samples using vanadium pentoxide nano-flakes. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 626-632.  | 5.0 | 41        |
| 248 | One pot electrochemical synthesis of poly(melamine) entrapped gold nanoparticles composite for sensitive and low level detection of catechol. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 364-370.  | 5.0 | 41        |
| 249 | Voltammetric determination of the anti-cancer drug nilutamide using a screen-printed carbon electrode modified with a composite prepared from $\beta$ -cyclodextrin, gold nanoparticles and graphene oxide. <i>Mikrochimica Acta</i> , 2017, 184, 507-514.                 | 2.5 | 41        |
| 250 | A simple preparation of graphite/gelatin composite for electrochemical detection of dopamine. <i>Journal of Colloid and Interface Science</i> , 2017, 487, 149-155.  | 5.0 | 41        |
| 251 | One-Pot Biosynthesis of Reduced Graphene Oxide/Prussian Blue Microcubes Composite and Its Sensitive Detection of Prophylactic Drug Dimetridazole. <i>Journal of the Electrochemical Society</i> , 2018, 165, B27-B33.  | 1.3 | 41        |
| 252 | Voltammetric determination of catechol and hydroquinone using nitrogen-doped multiwalled carbon nanotubes modified with nickel nanoparticles. <i>Mikrochimica Acta</i> , 2018, 185, 395.   | 2.5 | 41        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 253 | Simple sonochemical synthesis of lanthanum tungstate (La <sub>2</sub> (WO <sub>4</sub> ) <sub>3</sub> ) nanoparticles as an enhanced electrocatalyst for the selective electrochemical determination of anti-scald-inhibitor diphenylamine. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104647. | 3.8 | 41        |
| 254 | Stimuli-enabled reversible switched acetonitrile electrochemical sensor based on smart PNIPAM/PANI-Cu hybrid conducting microgel. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127232.  | 4.0 | 41        |
| 255 | Immobilization of myoglobin on Au nanoparticle-decorated carbon nanotube/polytyramine composite as a mediator-free H <sub>2</sub> O <sub>2</sub> and nitrite biosensor. <i>Scientific Reports</i> , 2015, 5, 18390.  | 1.6 | 40        |
| 256 | Simultaneous determination of dopamine and uric acid in the presence of high ascorbic acid concentration using cetyltrimethylammonium bromide-polyaniline/activated charcoal composite. <i>RSC Advances</i> , 2016, 6, 100605-100613.  | 1.7 | 40        |
| 257 | Electrocatalytic oxidation of dopamine based on non-covalent functionalization of manganese tetraphenylporphyrin/reduced graphene oxide nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2016, 468, 120-127.   | 5.0 | 40        |
| 258 | Enzyme-free electrochemical detection of nanomolar levels of the organophosphorus pesticide paraoxon-ethyl by using a poly(N-isopropyl acrylamide)-chitosan microgel decorated with palladium nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 167.  | 2.5 | 40        |
| 259 | Enhanced sensing of hazardous 4-nitrophenol by a graphene oxide-TiO <sub>2</sub> composite: environmental pollutant monitoring applications. <i>New Journal of Chemistry</i> , 2020, 44, 4590-4603.  | 1.4 | 40        |
| 260 | Electrodeposition of gold nanoparticles on a pectin scaffold and its electrocatalytic application in the selective determination of dopamine. <i>RSC Advances</i> , 2014, 4, 55900-55907.  | 1.7 | 39        |
| 261 | Fabrication of a novel gold nanospheres/activated carbon nanocomposite for enhanced electrocatalytic activity toward the detection of toxic hydrazine in various water samples. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 382-387.   | 4.0 | 39        |
| 262 | The Immobilization of Glucose Oxidase at Manganese Dioxide Particles-Decorated Reduced Graphene Oxide Sheets for the Fabrication of a Glucose Biosensor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 15582-15589.   | 1.8 | 39        |
| 263 | Cajeput tree bark derived activated carbon for the practical electrochemical detection of vanillin. <i>New Journal of Chemistry</i> , 2015, 39, 9109-9115.   | 1.4 | 39        |
| 264 | Hydrothermally controlled synthesis of $\alpha$ -MnO <sub>2</sub> , $\beta$ -MnOOH, and Mn <sub>3</sub> O <sub>4</sub> nanomaterials with enhanced electrochemical properties. <i>Journal of Alloys and Compounds</i> , 2018, 752, 123-132.  | 2.8 | 39        |
| 265 | Synthesis of Two-Dimensional Sr-Doped MoSe <sub>2</sub> Nanosheets and Their Application for Efficient Electrochemical Reduction of Metronidazole. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12474-12484.  | 1.5 | 39        |
| 266 | Synthesis and Characterization of Zirconium Dioxide Anchored Carbon Nanofiber Composite for Enhanced Electrochemical Determination of Chloramphenicol in Food Samples. <i>Journal of the Electrochemical Society</i> , 2018, 165, B281-B288.   | 1.3 | 39        |
| 267 | N-doped carbon quantum dots @ hexagonal porous copper oxide decorated multiwall carbon nanotubes: A hybrid composite material for an efficient ultra-sensitive determination of caffeic acid. <i>Composites Part B: Engineering</i> , 2019, 174, 106973.   | 5.9 | 39        |
| 268 | Nitrite determination at electrochemically synthesized polydiphenylamine-Pt composite modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 887-892.   | 4.0 | 38        |
| 269 | Highly sensing graphene oxide/poly-arginine-modified electrode for the simultaneous electrochemical determination of buspirone, isoniazid and pyrazinamide drugs. <i>Ionics</i> , 2015, 21, 547-555.   | 1.2 | 38        |
| 270 | Flame synthesis of nitrogen doped carbon for the oxygen reduction reaction and non-enzymatic methyl parathion sensor. <i>RSC Advances</i> , 2016, 6, 71507-71516.  | 1.7 | 38        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 271 | Preparation and characterization of a novel hybrid hydrogel composite of chitin stabilized graphite: Application for selective and simultaneous electrochemical detection of dihydroxybenzene isomers in water. <i>Journal of Electroanalytical Chemistry</i> , 2017, 785, 40-47.                 | 1.9 | 38        |
| 272 | Simple synthesis of cobalt sulfide nanorods for efficient electrocatalytic oxidation of vanillin in food samples. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 719-726.   | 5.0 | 38        |
| 273 | Defect and Additional Active Sites on the Basal Plane of Manganese-Doped Molybdenum Diselenide for Effective Enzyme Immobilization: In Vitro and in Vivo Real-Time Analyses of Hydrogen Peroxide Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 7862-7871.                    | 4.0 | 38        |
| 274 | A novel electrochemical sensor for uric acid detection based on PCN/MWCNT. <i>Ionics</i> , 2019, 25, 4437-4445.   | 1.2 | 38        |
| 275 | Gold Nanoparticle Embedded on a Reduced Graphene Oxide/polypyrrole Nanocomposite: Voltammetric Sensing of Furazolidone and Flutamide. <i>Langmuir</i> , 2020, 36, 13949-13962.  | 1.6 | 38        |
| 276 | Ultrasonic-assisted preparation and characterization of magnetic ZnFe <sub>2</sub> O <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> nanomaterial and their applications towards electrocatalytic reduction of 4-nitrophenol. <i>Ultrasonics Sonochemistry</i> , 2020, 68, 105071.                  | 3.8 | 38        |
| 277 | Construction of strontium phosphate/graphitic-carbon nitride: A flexible and disposable strip for acetaminophen detection. <i>Journal of Hazardous Materials</i> , 2021, 410, 124542.   | 6.5 | 38        |
| 278 | Electrochemical determination of nicotinamide adenine dinucleotide and hydrogen peroxide based on poly(xanthurenic acid), flavin adenine dinucleotide and functionalized multi-walled carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2013, 184, 212-219.                            | 4.0 | 37        |
| 279 | Highly selective determination of cysteine using a composite prepared from multiwalled carbon nanotubes and gold nanoparticles stabilized with calcium crosslinked pectin. <i>Mikrochimica Acta</i> , 2015, 182, 727-735.   | 2.5 | 37        |
| 280 | Electrochemical synthesis of poly(3,4-ethylenedioxythiophene) on terbium hexacyanoferrate for sensitive determination of tartrazine. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 195-203.   | 4.0 | 37        |
| 281 | Facile synthesis of mesoporous WS <sub>2</sub> nanorods decorated N-doped RGO network modified electrode as portable electrochemical sensing platform for sensitive detection of toxic antibiotic in biological and pharmaceutical samples. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 430-436. | 3.8 | 37        |
| 282 | Nanomolar level detection of non-steroidal antiandrogen drug flutamide based on ZnMn <sub>2</sub> O <sub>4</sub> nanoparticles decorated porous reduced graphene oxide nanocomposite electrode. <i>Journal of Hazardous Materials</i> , 2021, 405, 124096.  | 6.5 | 37        |
| 283 | Multiwalled carbon nanotubes with poly(NDGACHi) biocomposite film for the electrocatalysis of epinephrine and norepinephrine. <i>Analytical Biochemistry</i> , 2009, 388, 288-295.  | 1.1 | 36        |
| 284 | Electrochemical Analysis of H <sub>2</sub> O <sub>2</sub> and Nitrite Using Copper Nanoparticles/Poly(o-phenylenediamine) Film Modified Glassy Carbon Electrode. <i>Journal of the Electrochemical Society</i> , 2009, 156, E118.   | 1.3 | 36        |
| 285 | Highly stable biomolecule supported by gold nanoparticles/graphene nanocomposite as a sensing platform for H <sub>2</sub> O <sub>2</sub> biosensor application. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6335-6343.   | 2.9 | 36        |
| 286 | Highly sensitive electrochemical detection of palmitine using a biocompatible multiwalled carbon nanotube/poly-L-lysine composite. <i>Journal of Colloid and Interface Science</i> , 2017, 498, 144-152.  | 5.0 | 36        |
| 287 | Metallated porphyrin noncovalent interaction with reduced graphene oxide modified electrode for amperometric detection of environmental pollutant hydrazine. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3703.   | 1.7 | 36        |
| 288 | Simple sonochemical synthesis of novel grass-like vanadium disulfide: A viable non-enzymatic electrochemical sensor for the detection of hydrogen peroxide. <i>Ultrasonics Sonochemistry</i> , 2018, 48, 473-481.   | 3.8 | 36        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 289 | Sonochemical synthesis of perovskite-type barium titanate nanoparticles decorated on reduced graphene oxide nanosheets as an effective electrode material for the rapid determination of ractopamine in meat samples. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 318-326.        | 3.8 | 36        |
| 290 | A novel, efficient electrochemical sensor for the detection of isoniazid based on the B/N doped mesoporous carbon modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 613-620.   | 4.0 | 36        |
| 291 | Two-dimensional binary nanosheets (Bi <sub>2</sub> Te <sub>3</sub> @g-C <sub>3</sub> N <sub>4</sub> ): Application toward the electrochemical detection of food toxic chemical. <i>Analytica Chimica Acta</i> , 2020, 1125, 220-230.   | 2.6 | 36        |
| 292 | Tailored construction of one-dimensional TiO <sub>2</sub> /Au nanofibers: Validation of an analytical assay for detection of diphenylamine in food samples. <i>Food Chemistry</i> , 2022, 380, 132052.   | 4.2 | 36        |
| 293 | An electrochemical biosensor for determination of hydrogen peroxide using nanocomposite of poly(methylene blue) and FAD hybrid film. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 202-210.  | 4.0 | 35        |
| 294 | High-performance electrochemical amperometric sensors for the sensitive determination of phenyl urea herbicides diuron and fenuron. <i>Ionics</i> , 2015, 21, 2675-2683.   | 1.2 | 35        |
| 295 | Mesoporous transition metal oxides quasi-nanospheres with enhanced electrochemical properties for supercapacitor applications. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 73-83.   | 5.0 | 35        |
| 296 | Femtomolar detection of mercuric ions using polypyrrole, pectin and graphene nanocomposites modified electrode. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 268-274.  | 5.0 | 35        |
| 297 | Evaluation of a new electrochemical sensor for selective detection of non-enzymatic hydrogen peroxide based on hierarchical nanostructures of zirconium molybdate. <i>Journal of Colloid and Interface Science</i> , 2017, 500, 44-53.   | 5.0 | 35        |
| 298 | A selective electrochemical sensor for caffeic acid and photocatalyst for metronidazole drug pollutant - A dual role by rod-like SrV <sub>2</sub> O <sub>6</sub> . <i>Scientific Reports</i> , 2017, 7, 7254.  | 1.6 | 35        |
| 299 | Eco-Friendly Synthesis of Biocompatible Pectin Stabilized Graphene Nanosheets Hydrogel and Their Application for the Simultaneous Electrochemical Determination of Dopamine and Paracetamol in Real Samples. <i>Journal of the Electrochemical Society</i> , 2018, 165, B240-B249. | 1.3 | 35        |
| 300 | Synthesis of rose like structured LaCoO <sub>3</sub> assisted functionalized carbon nanofiber nanocomposite for efficient electrochemical detection of anti-inflammatory drug 4-aminoantipyrine. <i>Electrochimica Acta</i> , 2018, 260, 571-581.                                  | 2.6 | 35        |
| 301 | Urea-based morphological engineering of ZnO; for the biosensing enhancement towards dopamine and uric acid in food and biological samples. <i>Materials Chemistry and Physics</i> , 2019, 227, 5-11.   | 2.0 | 35        |
| 302 | Nitrogen doped carbon nanofibers loaded with hierarchical vanadium tetrasulfide for the voltammetric detection of the non-steroidal anti-prostate cancer drug nilutamide. <i>Mikrochimica Acta</i> , 2019, 186, 141.   | 2.5 | 35        |
| 303 | A reliable electrochemical sensor for determination of H <sub>2</sub> O <sub>2</sub> in biological samples using platinum nanoparticles supported graphite/gelatin hydrogel. <i>Microchemical Journal</i> , 2019, 146, 673-678.  | 2.3 | 35        |
| 304 | Biocompatible chitosan-pectin polyelectrolyte complex for simultaneous electrochemical determination of metronidazole and metribuzin. <i>Carbohydrate Polymers</i> , 2019, 214, 317-327.   | 5.1 | 35        |
| 305 | Chitosan-gold collapse gel/poly (bromophenol blue) redox-active film. A perspective for selective electrochemical sensing of flutamide. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 759-770.  | 3.6 | 35        |
| 306 | Amorphous cobalt boride nanosheets anchored surface-functionalized carbon nanofiber: An bifunctional and efficient catalyst for electrochemical sensing and oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 318-331.                       | 5.0 | 35        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 307 | A novel hybrid construction of MnMoO <sub>4</sub> nanorods anchored graphene nanosheets; an efficient electrocatalyst for the picomolar detection of ecological pollutant ornidazole in water and urine samples. <i>Chemosphere</i> , 2021, 273, 129665.                     | 4.2 | 35        |
| 308 | Integrating graphene oxide with magnesium oxide nanoparticles for electrochemical detection of nitrobenzene. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106310.   | 3.3 | 35        |
| 309 | Selective Electroanalysis of Ascorbic Acid Using a Nickel Hexacyanoferrate and Poly(3,4-ethylenedioxythiophene) Hybrid Film Modified Electrode. <i>Electroanalysis</i> , 2010, 22, 1655-1662.  | 1.5 | 34        |
| 310 | Electrochemical study of PEDOT-PSS-MDB-modified electrode and its electrocatalytic sensing of hydrogen peroxide. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 1121-1128.   | 1.2 | 34        |
| 311 | High electrocatalytic performance of platinum and manganese dioxide nanoparticle decorated reduced graphene oxide sheets for methanol electro-oxidation. <i>RSC Advances</i> , 2014, 4, 41387-41397.   | 1.7 | 34        |
| 312 | A copper hexacyanocobaltate nanocubes based dopamine sensor in the presence of ascorbic acid. <i>RSC Advances</i> , 2016, 6, 48523-48529.  | 1.7 | 34        |
| 313 | Activated porous carbon supported rhenium composites as electrode materials for electrocatalytic and supercapacitor applications. <i>Electrochimica Acta</i> , 2018, 271, 433-447.   | 2.6 | 34        |
| 314 | Temperature-reversible switched antineoplastic drug 5-fluorouracil electrochemical sensor based on adaptable thermo-sensitive microgel encapsulated PEDOT. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127361.   | 4.0 | 34        |
| 315 | Sr@FeNi-S Nanoparticle/Carbon Nanotube Nanocomposite with Superior Electrocatalytic Activity for Electrochemical Detection of Toxic Mercury(II). <i>ACS Applied Electronic Materials</i> , 2020, 2, 1943-1952.   | 2.0 | 34        |
| 316 | Electropolymerization of curcumin on glassy carbon electrode and its electrocatalytic application for the voltammetric determination of epinephrine and p-acetoaminophenol. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 674-680.                              | 2.5 | 33        |
| 317 | Highly sensitive and selective determination of pyrazinamide at poly-L-methionine/reduced graphene oxide modified electrode by differential pulse voltammetry in human blood plasma and urine samples. <i>Journal of Colloid and Interface Science</i> , 2014, 418, 132-139. | 5.0 | 33        |
| 318 | Fabrication of Silver Nanoparticles Decorated on Activated Screen Printed Carbon Electrode and Its Application for Ultrasensitive Detection of Dopamine. <i>Electroanalysis</i> , 2015, 27, 1998-2006.   | 1.5 | 33        |
| 319 | Effects of annealing temperature on crystal structure and glucose sensing properties of cuprous oxide. <i>Sensors and Actuators B: Chemical</i> , 2018, 266, 655-663.  | 4.0 | 33        |
| 320 | Ultrasensitive non-enzymatic electrochemical sensing of glucose in noninvasive samples using interconnected nanosheets-like NiMnO <sub>3</sub> as a promising electrocatalyst. <i>Sensors and Actuators B: Chemical</i> , 2019, 299, 126974.                                 | 4.0 | 33        |
| 321 | Porous carbon-NiO nanocomposites for amperometric detection of hydrazine and hydrogen peroxide. <i>Mikrochimica Acta</i> , 2019, 186, 59.  | 2.5 | 33        |
| 322 | Rational construction of novel rose petals-like yttrium molybdate nanosheets: A Janus catalyst for the detection and degradation of cardioselective $\beta$ -blocker agent acebutolol. <i>Chemical Engineering Journal</i> , 2019, 359, 1472-1485.                           | 6.6 | 33        |
| 323 | Sr-Doped NiO <sub>3</sub> nanorods synthesized by a simple sonochemical method as excellent materials for voltammetric determination of quercetin. <i>New Journal of Chemistry</i> , 2020, 44, 2821-2832.  | 1.4 | 33        |
| 324 | Hierarchical construction and characterization of lanthanum molybdate nanospheres as an unassailable electrode material for electrocatalytic sensing of the antibiotic drug nitrofurantoin. <i>New Journal of Chemistry</i> , 2020, 44, 46-54.                               | 1.4 | 33        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 325 | Deep eutectic solvents synthesis of perovskite type cerium aluminate embedded carbon nitride catalyst: High-sensitive amperometric platform for sensing of glucose in biological fluids. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 102, 312-320.                     | 2.9 | 33        |
| 326 | Vitamin B12 incorporated with multiwalled carbon nanotube composite film for the determination of hydrazine. <i>Analytical Biochemistry</i> , 2011, 408, 297-303.   | 1.1 | 32        |
| 327 | Novel hydrothermal synthesis of MoS <sub>2</sub> nanocluster structure for sensitive electrochemical detection of human and environmental hazardous pollutant 4-aminophenol. <i>RSC Advances</i> , 2016, 6, 40399-40407.  | 1.7 | 32        |
| 328 | Core-shell like Cu <sub>2</sub> O nanocubes enfolded with Co(OH) <sub>2</sub> on reduced graphene oxide for the amperometric detection of caffeine. <i>Mikrochimica Acta</i> , 2016, 183, 2713-2721.  | 2.5 | 32        |
| 329 | Immobilization of hemoglobin on functionalized multi-walled carbon nanotubes-poly-L-histidine-zinc oxide nanocomposites toward the detection of bromate and H <sub>2</sub> O <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 607-617.                                | 4.0 | 32        |
| 330 | Facile synthesis of perovskite-type NdNiO <sub>3</sub> nanoparticles for an effective electrochemical non-enzymatic glucose biosensor. <i>New Journal of Chemistry</i> , 2017, 41, 11201-11207.   | 1.4 | 32        |
| 331 | Highly selective electrochemical detection of antipsychotic drug chlorpromazine in drug and human urine samples based on peas-like strontium molybdate as an electrocatalyst. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 643-655.  | 3.0 | 32        |
| 332 | An Amperometric Sensor for Low Level Detection of Antidepressant Drug Carbamazepine Based on Graphene Oxide-g-C <sub>3</sub> N <sub>4</sub> Composite Film Modified Electrode. <i>Journal of the Electrochemical Society</i> , 2018, 165, B160-B166.                                      | 1.3 | 32        |
| 333 | Hexamine cobalt(III) coordination complex grafted reduced graphene oxide composite for sensitive and selective electrochemical determination of morin in fruit samples. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1145-1155.  | 3.0 | 32        |
| 334 | In situ assembly of sulfur-doped carbon quantum dots surrounded iron(III) oxide nanocomposite; a novel electrocatalyst for highly sensitive detection of antipsychotic drug olanzapine. <i>Journal of Molecular Liquids</i> , 2018, 268, 471-480.   | 2.3 | 32        |
| 335 | A relative study on sonochemically synthesized mesoporous WS <sub>2</sub> nanorods & hydrothermally synthesized WS <sub>2</sub> nanoballs towards electrochemical sensing of psychoactive drug (Clonazepam). <i>Ultrasonics Sonochemistry</i> , 2019, 54, 79-89.                          | 3.8 | 32        |
| 336 | Facile synthesis and characterization of erbium oxide (Er <sub>2</sub> O <sub>3</sub> ) nanospheres embellished on reduced graphene oxide nanomatrix for trace-level detection of a hazardous pollutant causing Methemoglobinaemia. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 422-429. | 3.8 | 32        |
| 337 | Amperometric sensing of nitrite at nanomolar concentrations by using carboxylated multiwalled carbon nanotubes modified with titanium nitride nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 8.   | 2.5 | 32        |
| 338 | Highly porous nickel molybdate@graphene oxide nanocomposite for the ultrasensitive electrochemical detection of environmental toxic pollutant catechol. <i>Materials Chemistry and Physics</i> , 2020, 239, 121982.   | 2.0 | 32        |
| 339 | A straightforward ultrasonic-assisted synthesis of zinc sulfide for supersensitive detection of carcinogenic nitrite ions in water samples. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127387.   | 4.0 | 32        |
| 340 | Ultrafine gold nanoparticle embedded poly(diallyldimethylammonium chloride)@graphene oxide hydrogels for voltammetric determination of an antimicrobial drug (metronidazole). <i>Journal of Materials Chemistry C</i> , 2020, 8, 7575-7590.   | 2.7 | 32        |
| 341 | Rational construction of novel strontium hexaferrite decorated graphitic carbon nitrides for highly sensitive detection of neurotoxic organophosphate pesticide in fruits. <i>Electrochimica Acta</i> , 2021, 371, 137756.  | 2.6 | 32        |
| 342 | A low temperature synthesis of activated carbon from the bio waste for simultaneous electrochemical determination of hydroquinone and catechol. <i>Journal of Electroanalytical Chemistry</i> , 2014, 727, 84-90.   | 1.9 | 31        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 343 | Pumpkin stem-derived activated carbons as counter electrodes for dye-sensitized solar cells. <i>RSC Advances</i> , 2014, 4, 63917-63921.  | 1.7 | 31        |
| 344 | Design of novel WO <sub>3</sub> /CB nanohybrids: An affordable and efficient electrochemical sensor for the detection of multifunctional flavonoid rutin. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1085-1093.  | 3.0 | 31        |
| 345 | Two-Dimensional Copper Tungstate Nanosheets: Application toward the Electrochemical Detection of Mesalazine. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18279-18287.   | 3.2 | 31        |
| 346 | Electrochemical detection of toxic anti-scald agent diphenylamine using oxidized carbon nanofiber encapsulated titanium carbide electrocatalyst. <i>Journal of Hazardous Materials</i> , 2019, 368, 760-770.  | 6.5 | 31        |
| 347 | Metal-free multiporous carbon for electrochemical energy storage and electrocatalysis applications. <i>New Journal of Chemistry</i> , 2019, 43, 11653-11659.  | 1.4 | 31        |
| 348 | Developing green sonochemical approaches towards the synthesis of highly integrated and interconnected carbon nanofiber decorated with Sm <sub>2</sub> O <sub>3</sub> nanoparticles and their use in the electrochemical detection of toxic 4-nitrophenol. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104595. | 3.8 | 31        |
| 349 | Cobalt molybdenum sulfide decorated with highly conductive sulfur-doped carbon as an electrocatalyst for the enhanced activity of hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 9164-9173.   | 3.8 | 31        |
| 350 | Ultrasonication-assisted synthesis of sphere-like strontium cerate nanoparticles (SrCeO <sub>3</sub> NPs) for the selective electrochemical detection of calcium channel antagonists nifedipine. <i>Ultrasonics Sonochemistry</i> , 2019, 53, 44-54.  | 3.8 | 31        |
| 351 | A nanocomposite consisting of cuprous oxide supported on graphitic carbon nitride nanosheets for non-enzymatic electrochemical sensing of 8-hydroxy-2'-deoxyguanosine. <i>Mikrochimica Acta</i> , 2020, 187, 459.   | 2.5 | 31        |
| 352 | Preparation of a reduced graphene oxide/poly-L-glutathione nanocomposite for electrochemical detection of 4-aminophenol in orange juice samples. <i>Analytical Methods</i> , 2015, 7, 5627-5634.  | 1.3 | 30        |
| 353 | Green synthesis of gold nanoparticles and its application for the trace level determination of painter's colic. <i>RSC Advances</i> , 2015, 5, 16284-16291.   | 1.7 | 30        |
| 354 | Non-enzymatic amperometric detection of hydrogen peroxide in human blood serum samples using a modified silver nanowire electrode. <i>Journal of Colloid and Interface Science</i> , 2016, 470, 117-122.  | 5.0 | 30        |
| 355 | Novel Bifunctional Electrocatalyst for ORR Activity and Methyl Parathion Detection Based on Reduced Graphene Oxide/Palladium Tetraphenylporphyrin Nanocomposite. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14096-14107.   | 1.5 | 30        |
| 356 | One-step synthesis of reduced graphene oxide sheathed zinc oxide nanoclusters for the trace level detection of bisphenol A in tissue papers. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 699-705.  | 2.9 | 30        |
| 357 | Voltammetric determination of vitamin B <sub>2</sub> by using a highly porous carbon electrode modified with palladium-copper nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 299.   | 2.5 | 30        |
| 358 | Amoxicillin on polyglutamic acid composite three-dimensional graphene modified electrode: Reaction mechanism of amoxicillin insights by computational simulations. <i>Analytica Chimica Acta</i> , 2019, 1073, 22-29.   | 2.6 | 30        |
| 359 | A novel electrochemical sensor for the detection of oxidative stress and cancer biomarker (4-nitroquinoline N-oxide) based on iron nitride nanoparticles with multilayer reduced graphene nanosheets modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2019, 291, 120-129.                         | 4.0 | 30        |
| 360 | A simple sonochemical assisted synthesis of NiMoO <sub>4</sub> /chitosan nanocomposite for electrochemical sensing of amlodipine in pharmaceutical and serum samples. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 104827.  | 3.8 | 30        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 361 | Ultrasonic assisted fabrication of silver tungstate encrusted polypyrrole nanocomposite for effective photocatalytic and electrocatalytic applications. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 104913.   | 3.8 | 30        |
| 362 | Facile synthesis of copper ferrite nanoparticles with chitosan composite for high-performance electrochemical sensor. <i>Ultrasonics Sonochemistry</i> , 2020, 63, 104902.   | 3.8 | 30        |
| 363 | Facile Synthesis of Protonated Carbon Nitride/Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> Nanocomposite for Simultaneous Detection of Pb <sup>2+</sup> and Cd <sup>2+</sup> . <i>Journal of the Electrochemical Society</i> , 2020, 167, 067509.   | 1.3 | 30        |
| 364 | Sonochemical synthesis of samarium tungstate nanoparticles for the electrochemical detection of nilutamide. <i>Ultrasonics Sonochemistry</i> , 2020, 67, 105146.   | 3.8 | 30        |
| 365 | Electrodeposited indigotetrasulfonate film onto glutaraldehyde-cross-linked poly-L-lysine modified glassy carbon electrode for detection of dissolved oxygen. <i>Journal of Electroanalytical Chemistry</i> , 2011, 659, 69-75.                      | 1.9 | 29        |
| 366 | Voltammetric determination of catechol based on a glassy carbon electrode modified with a composite consisting of graphene oxide and polymelamine. <i>Mikrochimica Acta</i> , 2017, 184, 1051-1057.  | 2.5 | 29        |
| 367 | Optimized electrochemical synthesis of copper nanoparticles decorated reduced graphene oxide: Application for enzymeless determination of glucose in human blood. <i>Journal of Electroanalytical Chemistry</i> , 2017, 807, 128-136.                | 1.9 | 29        |
| 368 | One pot synthesis of nanospheres-like trimetallic NiFeCo nanoalloy: A superior electrocatalyst for electrochemical sensing of hydrazine in water bodies. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126620.                               | 4.0 | 29        |
| 369 | The facile co-precipitation synthesis of strontium tungstate anchored on a boron nitride (SrWO <sub>4</sub> /BN) composite as a promising electrocatalyst for pharmaceutical drug analysis. <i>New Journal of Chemistry</i> , 2020, 44, 2489-2499.   | 1.4 | 29        |
| 370 | 3D Flower-like NiCo Layered Double Hydroxides: An Efficient Electrocatalyst for Non-Enzymatic Electrochemical Biosensing of Hydrogen Peroxide in Live Cells and Glucose in Biofluids. <i>ACS Applied Bio Materials</i> , 2021, 4, 3203-3213.         | 2.3 | 29        |
| 371 | Graphene oxide template based synthesis of NiCo <sub>2</sub> O <sub>4</sub> nanosheets for high performance non-enzymatic glucose sensor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 621, 126600.               | 2.3 | 29        |
| 372 | Polyaniline and poly(flavin adenine dinucleotide) doped multi-walled carbon nanotubes for p-acetamidophenol sensor. <i>Talanta</i> , 2009, 79, 486-492.  | 2.9 | 28        |
| 373 | Simple approach for the immobilization of horseradish peroxidase on poly-L-histidine modified reduced graphene oxide for amperometric determination of dopamine and H <sub>2</sub> O <sub>2</sub> . <i>RSC Advances</i> , 2014, 4, 55867-55876.      | 1.7 | 28        |
| 374 | A promising photoelectrochemical sensor based on a ZnO particle decorated N-doped reduced graphene oxide modified electrode for simultaneous determination of catechol and hydroquinone. <i>RSC Advances</i> , 2014, 4, 48522-48534.                 | 1.7 | 28        |
| 375 | Synthesis of homogeneous one-dimensional Ni <sub>x</sub> Cd <sub>1-x</sub> S nanorods with enhanced visible-light response by ethanediamine-assisted decomposition of complex precursors. <i>Journal of Materials Science</i> , 2015, 50, 3920-3928. | 1.7 | 28        |
| 376 | Solution combustion synthesis and physico-chemical properties of ultrafine CeO <sub>2</sub> nanoparticles and their photocatalytic activity. <i>RSC Advances</i> , 2016, 6, 51238-51245.   | 1.7 | 28        |
| 377 | One pot synthesis of CeO <sub>2</sub> nanoparticles on a carbon surface for the practical determination of paracetamol content in real samples. <i>RSC Advances</i> , 2016, 6, 104227-104234.  | 1.7 | 28        |
| 378 | Chitosan Stabilized Multi-Walled Carbon Nanotubes for Electrochemical Determination of Dihydroxybenzene Isomers. <i>Journal of the Electrochemical Society</i> , 2017, 164, H958-H966.   | 1.3 | 28        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 379 | Determination of the antioxidant propyl gallate in meat by using a screen-printed electrode modified with CoSe <sub>2</sub> nanoparticles and reduced graphene oxide. <i>Mikrochimica Acta</i> , 2018, 185, 520.  | 2.5 | 28        |
| 380 | A Simple and Rapid Electrochemical Determination of L-Tryptophan Based on Functionalized Carbon Black/Poly-L-Histidine Nanocomposite. <i>Journal of the Electrochemical Society</i> , 2018, 165, B422-B430.   | 1.3 | 28        |
| 381 | Facile sonochemical synthesis of porous and hierarchical manganese(III) oxide tiny nanostructures for super sensitive electrocatalytic detection of antibiotic (chloramphenicol) in fresh milk. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104648.  | 3.8 | 28        |
| 382 | Hierarchical multi-layered molybdenum carbide encapsulated oxidized carbon nanofiber for selective electrochemical detection of antimicrobial agents: inter-connected path in multi-layered structure for efficient electron transfer. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1680-1693. | 3.0 | 28        |
| 383 | Bismuth telluride decorated on graphitic carbon nitrides based binary nanosheets: Its application in electrochemical determination of salbutamol (feed additive) in meat samples. <i>Journal of Hazardous Materials</i> , 2021, 413, 125265.  | 6.5 | 28        |
| 384 | Nanostructured perovskite type gadolinium orthoferrite decorated RGO nanocomposite for the detection of nitrofurantoin in human urine and river water samples. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 537-549.  | 5.0 | 28        |
| 385 | Sonochemical synthesis of nickel-manganous oxide nanocrumbs decorated partially reduced graphene oxide for efficient electrochemical reduction of metronidazole. <i>Ultrasonics Sonochemistry</i> , 2020, 68, 105176.   | 3.8 | 28        |
| 386 | High-performance electrochemical sensing of hazardous pesticide Paraoxon using BiVO <sub>4</sub> nano dendrites equipped catalytic strips. <i>Chemosphere</i> , 2022, 288, 132511.  | 4.2 | 28        |
| 387 | Ultrasensitive electrochemical detection of furazolidone in biological samples using 1D-2D BiVO <sub>4</sub> @MoS <sub>2</sub> hierarchical nano-heterojunction composites armed electrodes. <i>Environmental Research</i> , 2022, 205, 112515.   | 3.7 | 28        |
| 388 | Preparation and characterization of osmium hexacyanoferrate films and their electrocatalytic properties. <i>Electrochimica Acta</i> , 2004, 50, 115-125.  | 2.6 | 27        |
| 389 | A novel voltammetric p-nitrophenol sensor based on ZrO <sub>2</sub> nanoparticles incorporated into a multiwalled carbon nanotube modified glassy carbon electrode. <i>Analytical Methods</i> , 2014, 6, 4686-4691.   | 1.3 | 27        |
| 390 | An electrochemical facile fabrication of platinum nanoparticle decorated reduced graphene oxide; application for enhanced electrochemical sensing of H <sub>2</sub> O <sub>2</sub> . <i>RSC Advances</i> , 2015, 5, 105567-105573.  | 1.7 | 27        |
| 391 | A non-covalent functionalization of copper tetraphenylporphyrin/chemically reduced graphene oxide nanocomposite for the selective determination of dopamine. <i>Applied Organometallic Chemistry</i> , 2016, 30, 40-46.   | 1.7 | 27        |
| 392 | Alumina Polished Glassy Carbon Electrode as a Simple Electrode for Lower Potential Electrochemical Detection of Dopamine in its Sub-micromolar Level. <i>Electroanalysis</i> , 2016, 28, 425-430.   | 1.5 | 27        |
| 393 | Designing novel perovskite-type strontium stannate (SrSnO <sub>3</sub> ) and its potential as an electrode material for the enhanced sensing of anti-inflammatory drug mesalamine in biological samples. <i>New Journal of Chemistry</i> , 2019, 43, 12264-12274.                                 | 1.4 | 27        |
| 394 | Simple Sonochemical Synthesis of Cupric Oxide Sphere Decorated Reduced Graphene Oxide Composite for the Electrochemical Detection of Flutamide Drug in Biological Samples. <i>Journal of the Electrochemical Society</i> , 2019, 166, B68-B75.  | 1.3 | 27        |
| 395 | A sensitive sensing platform for acetaminophen based on palladium and multi-walled carbon nanotube composites and electrochemical detection mechanism. <i>Materials Chemistry and Physics</i> , 2020, 239, 121977.  | 2.0 | 27        |
| 396 | A binder-free Ni <sub>2</sub> P <sub>2</sub> O <sub>7</sub> /Co <sub>2</sub> P <sub>2</sub> O <sub>7</sub> nanoglass array as an efficient cathode for supercapacitors. <i>New Journal of Chemistry</i> , 2020, 44, 13131-13140.  | 1.4 | 27        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 397 | Electrochemical investigation of zinc tungstate nanoparticles; a robust sensor platform for the selective detection of furazolidone in biological samples. <i>Microchemical Journal</i> , 2021, 160, 105750.                                     | 2.3 | 27        |
| 398 | Electrochemical sensor for detection of tryptophan in the milk sample based on MnWO <sub>4</sub> nanoplates encapsulated RGO nanocomposite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 625, 126889.         | 2.3 | 27        |
| 399 | Ultrasonic assisted preparation of CoMoO <sub>4</sub> nanoparticles modified electrochemical sensor for chloramphenicol determination. <i>Journal of Solid State Chemistry</i> , 2021, 302, 122392.  | 1.4 | 27        |
| 400 | Ultrasonication and hydrothermal assisted synthesis of cloud-like zinc molybdate nanospheres for enhanced detection of flutamide. <i>Ultrasonics Sonochemistry</i> , 2020, 61, 104823.   | 3.8 | 27        |
| 401 | Electrochemical determination of selected antihypertensive and antituberculosis drugs at a tyrosine-modified electrode. <i>Analytical Methods</i> , 2014, 6, 6774-6782.  | 1.3 | 26        |
| 402 | Preparation of carbon nanotubes decorated with manganese dioxide nanoparticles for electrochemical determination of ferulic acid. <i>Mikrochimica Acta</i> , 2015, 182, 1103-1111.   | 2.5 | 26        |
| 403 | Novel electrochemical preparation of gold nanoparticles decorated on a reduced graphene oxide@fullerene composite for the highly sensitive electrochemical detection of nitrite. <i>RSC Advances</i> , 2016, 6, 68798-68805.                     | 1.7 | 26        |
| 404 | Sol-Gel Synthesis of Carbon-Coated LaCoO <sub>3</sub> for Effective Electrocatalytic Oxidation of Salicylic Acid. <i>ChemElectroChem</i> , 2017, 4, 935-940.   | 1.7 | 26        |
| 405 | Graphene dispersed cellulose microfibers composite for efficient immobilization of hemoglobin and selective biosensor for detection of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 175-182.                         | 4.0 | 26        |
| 406 | A simple architecture of cellulose microfiber/reduced graphene oxide nanocomposite for the electrochemical determination of nitrobenzene in sewage water. <i>Cellulose</i> , 2018, 25, 2381-2391.  | 2.4 | 26        |
| 407 | Graphene Oxide/MnO <sub>2</sub> Binary Nanosheets Based Non-Enzymatic Biosensor for Pico-Molar Level Electrochemical Detection of Biomarker (Guanine) in DNA Sample. <i>Journal of the Electrochemical Society</i> , 2018, 165, B651-B658.       | 1.3 | 26        |
| 408 | Sonochemical synthesis and fabrication of honeycomb like zirconium dioxide with chitosan modified electrode for sensitive electrochemical determination of anti-tuberculosis (TB) drug. <i>Ultrasonics Sonochemistry</i> , 2019, 59, 104718.     | 3.8 | 26        |
| 409 | A Facile Hydrothermal Synthesis and Electrochemical Properties of Manganese dioxide@graphitic Carbon Nitride Nanocomposite toward Highly Sensitive Detection of Nitrite. <i>Journal of the Electrochemical Society</i> , 2019, 166, B1245-B1250. | 1.3 | 26        |
| 410 | Surfactant-assisted synthesis of direct Z-scheme AgBr/Ag <sub>2</sub> WO <sub>4</sub> heterostructures with enhanced visible-light-driven photocatalytic activities. <i>Materials Science in Semiconductor Processing</i> , 2020, 105, 104688.   | 1.9 | 26        |
| 411 | Using cerium (III) orthovanadate as an efficient catalyst for the electrochemical sensing of anti-prostate cancer drug (flutamide) in biological fluids. <i>Microchemical Journal</i> , 2020, 159, 105509.                                       | 2.3 | 26        |
| 412 | Massive engineering of spinel cobalt tin oxide/tin oxide-based electrocatalyst for the selective voltammetric determination of antibiotic drug furaltadone in water samples. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160750.         | 2.8 | 26        |
| 413 | Fabrication of thulium metal-organic frameworks based smartphone sensor towards arsenical feed additive drug detection: Applicable in food safety analysis. <i>Electrochimica Acta</i> , 2022, 401, 139487.                                      | 2.6 | 26        |
| 414 | Direct electrochemistry and electrocatalysis of glucose oxidase based poly(L-arginine)-multi-walled carbon nanotubes. <i>RSC Advances</i> , 2014, 4, 50771-50781.  | 1.7 | 25        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 415 | Fabrication of Nickel Tetrasulfonated Phthalocyanine Functionalized Multiwalled Carbon Nanotubes on Activated Glassy Carbon Electrode for the Detection of Dopamine. <i>Electroanalysis</i> , 2015, 27, 485-493.  | 1.5 | 25        |
| 416 | Controlled electrochemical synthesis of yttrium (III) hexacyanoferrate micro flowers and their composite with multiwalled carbon nanotubes, and its application for sensing catechin in tea samples. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1103-1112.              | 1.2 | 25        |
| 417 | An electrochemical approach: Switching Structures of rare earth metal Praseodymium hexacyanoferrate and its application to sulfite sensor in Red Wine. <i>Electrochimica Acta</i> , 2015, 176, 350-358.   | 2.6 | 25        |
| 418 | Electrochemical fabrication of gold nanoparticles decorated on activated fullerene C60: an enhanced sensing platform for trace level detection of toxic hydrazine in water samples. <i>RSC Advances</i> , 2015, 5, 94591-94598.   | 1.7 | 25        |
| 419 | A Novel Cerium Tungstate Nanosheets Modified Electrode for the Effective Electrochemical Detection of Carcinogenic Nitrite Ions. <i>Electroanalysis</i> , 2017, 29, 2385-2394.  | 1.5 | 25        |
| 420 | Enhanced photovoltaic performance of dye-sensitized solar cells based on nickel oxide supported on nitrogen-doped graphene nanocomposite as a photoanode. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 570-578.   | 5.0 | 25        |
| 421 | Synthesis and characterization of nanostructured nickel phosphate as a robust electrocatalyst for the highly sensitive voltammetric determination of chlorpromazine in biological sample. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 11-20.               | 2.7 | 25        |
| 422 | Facile synthesis of copper(II) oxide nanospheres covered on functionalized multiwalled carbon nanotubes modified electrode as rapid electrochemical sensing platform for super-sensitive detection of antibiotic. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104596.                  | 3.8 | 25        |
| 423 | A high-performance fluorescent probe for dopamine detection based on g-C <sub>3</sub> N <sub>4</sub> nanofibers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 212, 300-307.   | 2.0 | 25        |
| 424 | Ingenious design and development of recyclable 2D BiOCl nanotiles attached tri-functional robust strips for high performance selective electrochemical sensing, SERS and heterogenous dip catalysis. <i>Chemical Engineering Journal</i> , 2020, 385, 123974.                           | 6.6 | 25        |
| 425 | A sensitive and high-performance electrochemical detection of nitrite in water samples based on Sonochemical synthesized Strontium Ferrite Nanochain architectures. <i>Electrochimica Acta</i> , 2020, 360, 136797.   | 2.6 | 25        |
| 426 | One-pot sonochemical synthesis of marigold flower-like structured ruthenium doped bismuth sulfide for the highly sensitive detection of antipsychotic drug thioridazine in the human serum sample. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 111, 270-282.   | 2.7 | 25        |
| 427 | Reversibly switchable ruthenium hybrid thermo-responsive electrocatalyst-based voltammetric sensor for sensitive detection of sulfamethazine in milk samples. <i>Sensors and Actuators B: Chemical</i> , 2020, 316, 128103.   | 4.0 | 25        |
| 428 | An Ultra-sensitive Electrochemical Sensor for the Detection of Oxidative Stress Biomarker 3-Nitro-l-tyrosine in Human Blood Serum and Saliva Samples Based on Reduced Graphene Oxide Entrapped Zirconium (IV) Oxide. <i>Journal of the Electrochemical Society</i> , 2020, 167, 066517. | 1.3 | 25        |
| 429 | An eco-friendly low-temperature synthetic approach towards micro-pebble-structured GO@SrTiO <sub>3</sub> nanocomposites for the detection of 2,4,6-trichlorophenol in environmental samples. <i>Mikrochimica Acta</i> , 2021, 188, 72.  | 2.5 | 25        |
| 430 | Zinc and Sulfur Codoped Iron Oxide Nanocubes Anchored on Carbon Nanotubes for the Detection of Antitubercular Drug Isoniazid. <i>ACS Applied Nano Materials</i> , 2021, 4, 4562-4575.   | 2.4 | 25        |
| 431 | Influence of Crystalline, Structural, and Electrochemical Properties of Iron Vanadate Nanostructures on Flutamide Detection. <i>ACS Applied Nano Materials</i> , 2021, 4, 5883-5894.  | 2.4 | 25        |
| 432 | Preparation of three dimensional flower-like cobalt phosphate as dual functional electrocatalyst for flavonoids sensing and supercapacitor applications. <i>Ceramics International</i> , 2021, 47, 29688-29706.   | 2.3 | 25        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 433 | Simple sonochemical synthesis of flake-ball shaped bismuth vanadate for voltammetric detection of furazolidone. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162315.  | 2.8 | 25        |
| 434 | Electrochemical synthesis of dysprosium hexacyanoferrate micro stars incorporated multi walled carbon nanotubes and its electrocatalytic applications. <i>Electrochimica Acta</i> , 2013, 105, 439-446.  | 2.6 | 24        |
| 435 | A Highly Sensitive and Selective Enzymatic Biosensor Based on Direct Electrochemistry of Hemoglobin at Zinc Oxide Nanoparticles Modified Activated Screen Printed Carbon Electrode. <i>Electroanalysis</i> , 2014, 26, 1984-1993.  | 1.5 | 24        |
| 436 | A simple electrochemical platform based on pectin stabilized gold nanoparticles for picomolar detection of biologically toxic amitrole. <i>Analyst, The</i> , 2015, 140, 5764-5771.  | 1.7 | 24        |
| 437 | Hydrothermal Synthesis of Three Dimensional Graphene-Multiwalled Carbon Nanotube Nanocomposite for Enhanced Electro Catalytic Oxidation of Caffeic Acid. <i>Electroanalysis</i> , 2017, 29, 1103-1112.   | 1.5 | 24        |
| 438 | Graphene oxide/oxidized carbon nanofiber/mineralized hydroxyapatite based hybrid composite for biomedical applications. <i>Materials Research Express</i> , 2017, 4, 124005.   | 0.8 | 24        |
| 439 | Development of electrochemical sensor for the determination of palladium ions (Pd <sup>2+</sup> ) using flexible screen printed un-modified carbon electrode. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 123-128.  | 5.0 | 24        |
| 440 | Evaluating Ternary Metal Oxide (TMO) core-shell nanocomposites for the rapid determination of the anti-neoplastic drug Chlorambucil (Leukeran®, $\Phi$ ) by electrochemical approaches. <i>Materials Science and Engineering C</i> , 2019, 103, 109724.  | 3.8 | 24        |
| 441 | Carbon fibers coated with urchin-like copper sulfide for nonenzymatic voltammetric sensing of glucose. <i>Mikrochimica Acta</i> , 2019, 186, 807.  | 2.5 | 24        |
| 442 | Ultrasound-assisted synthesis of two-dimensional layered ytterbium substituted molybdenum diselenide nanosheets with excellent electrocatalytic activity for the electrochemical detection of diphenylamine anti-scald agent in fruit extract. <i>Ultrasonics Sonochemistry</i> , 2019, 50, 265-277. | 3.8 | 24        |
| 443 | Highly Selective Voltammetric Sensor for $\gamma$ -Tryptophan Using Composite-Modified Electrode Composed of CuSn(OH) <sub>6</sub> Microsphere Decorated on Reduced Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25821-25834.   | 1.5 | 24        |
| 444 | Developing Low-Cost, High Performance, Robust and Sustainable Perovskite Electrocatalytic Materials in the Electrochemical Sensors and Energy Sectors: An Overview. <i>Catalysts</i> , 2020, 10, 938.  | 1.6 | 24        |
| 445 | Intermetallic Compound Cu <sub>2</sub> Sb Nanoparticles for Effective Electrocatalytic Oxidation of an Antibiotic Drug: Sulphadiazine. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17718-17726.  | 3.2 | 24        |
| 446 | Iron vanadate nanoparticles supported on boron nitride nanocomposite: Electrochemical detection of antipsychotic drug chlorpromazine. <i>Journal of Electroanalytical Chemistry</i> , 2021, 882, 114982.   | 1.9 | 24        |
| 447 | High-performance catalytic strips assembled with BiOBr Nano-rose architectures for electrochemical and SERS detection of theophylline. <i>Chemical Engineering Journal</i> , 2021, 425, 130616.  | 6.6 | 24        |
| 448 | Impact of gadolinium oxide with functionalized carbon nanosphere: A portable advanced electrocatalyst for pesticide detection in aqueous environmental samples. <i>Talanta</i> , 2022, 238, 123028.  | 2.9 | 24        |
| 449 | Electrocatalytic Properties of Electrodes which are Functionalized with Composite Films of f-MWCNTs Incorporated with Poly(neutral red). <i>Journal of the Electrochemical Society</i> , 2007, 154, E178.  | 1.3 | 23        |
| 450 | Immobilization of horseradish peroxidase and nile blue into the ormosil nanocomposite for the fabrication of hydrogen peroxide biosensor based on MWCNT modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2009, 141, 557-565.   | 4.0 | 23        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 451 | An enhanced direct electrochemistry of glucose oxidase at poly(aurine) modified glassy carbon electrode for glucose biosensor. <i>Analytical Methods</i> , 2014, 6, 9053-9058.   | 1.3 | 23        |
| 452 | Direct Electrochemistry of Glucose Oxidase at Reduced Graphene Oxide and $\beta$ -Cyclodextrin Composite Modified Electrode and Application for Glucose Biosensing. <i>Electroanalysis</i> , 2015, 27, 2412-2420.  | 1.5 | 23        |
| 453 | Direct electrochemistry of immobilized hemoglobin and sensing of bromate at a glassy carbon electrode modified with graphene and $\beta$ -cyclodextrin. <i>Mikrochimica Acta</i> , 2016, 183, 1953-1961.   | 2.5 | 23        |
| 454 | Rapid synthesis of ethyl cellulose supported platinum nanoparticles for the non-enzymatic determination of H <sub>2</sub> O <sub>2</sub> . <i>Carbohydrate Polymers</i> , 2017, 164, 102-108.  | 5.1 | 23        |
| 455 | Facile synthesis of orthorhombic strontium copper oxide microflowers for highly sensitive nonenzymatic detection of glucose in human blood. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 81, 182-189.                            | 2.7 | 23        |
| 456 | Functionalized Carbon Black Nanospheres Hybrid with MoS <sub>2</sub> Nanoclusters for the Effective Electrocatalytic Reduction of Chloramphenicol. <i>Electroanalysis</i> , 2018, 30, 1828-1836.   | 1.5 | 23        |
| 457 | Efficient Electrochemical Detection of Lethal Environmental Pollutant Hydroquinone Based on Functionalized Carbon Black/Polytyramine/Gold Nanoparticles Nanocomposite. <i>Journal of the Electrochemical Society</i> , 2019, 166, B680-B689.             | 1.3 | 23        |
| 458 | A novel sensitive and reliable electrochemical determination of palmitine based on CeO <sub>2</sub> /RGO/MWCNT ternary composite. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 96, 549-558.                                      | 2.7 | 23        |
| 459 | Methyl Parathion Detection Using SnS <sub>2</sub> /N, S-Co-Doped Reduced Graphene Oxide Nanocomposite. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11194-11203.  | 3.2 | 23        |
| 460 | Highly sensitive electrode materials for the voltammetric determination of nitrofurantoin based on zinc cobaltate nanosheets. <i>New Journal of Chemistry</i> , 2020, 44, 12036-12047.   | 1.4 | 23        |
| 461 | Electrocatalytic evaluation of graphene oxide warped tetragonal t-lanthanum vanadate (GO@LaVO <sub>4</sub> ) nanocomposites for the voltammetric detection of antifungal and antiprotozoal drug (clioquinol). <i>Mikrochimica Acta</i> , 2021, 188, 102. | 2.5 | 23        |
| 462 | Iodate Sensing Electrodes Based on Phosphotungstate-Doped Glutaraldehyde-Cross-Linked Polylysine Coatings. <i>Electroanalysis</i> , 2010, 22, 1812-1816.   | 1.5 | 22        |
| 463 | Poly(basic red 9) doped functionalized multi-walled carbon nanotubes as composite films for neurotransmitters biosensors. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 118, 133-139.  | 2.5 | 22        |
| 464 | A highly sensitive NADH sensor based on a mycelium-like nanocomposite using graphene oxide and multi-walled carbon nanotubes to co-immobilize poly(luminol) and poly(neutral red) hybrid films. <i>Analyst</i> , 2014, 139, 3991-3998.                   | 1.7 | 22        |
| 465 | An Ultrahigh Selective and Sensitive Enzyme-Free Hydrogen Peroxide Sensor Based on Palladium Nanoparticles and Nafion-Modified Electrode. <i>Electrocatalysis</i> , 2014, 5, 177-185.  | 1.5 | 22        |
| 466 | Simultaneous and Selective Detection of Environment Hazardous Metals in Water Samples by Using Flower and Christmas Tree Like Cerium Hexacyanoferrate Modified Electrodes. <i>Electroanalysis</i> , 2015, 27, 2629-2636.                                 | 1.5 | 22        |
| 467 | High capacity supercapacitor material based on reduced graphene oxide loading mesoporous murdochite-type Ni <sub>6</sub> MnO <sub>8</sub> nanospheres. <i>Electrochimica Acta</i> , 2016, 219, 284-294.  | 2.6 | 22        |
| 468 | Reduced graphene oxide/gold tetraphenyl porphyrin (RGO/Au-TPP) nanocomposite as an ultrasensitive amperometric sensor for environmentally toxic hydrazine. <i>RSC Advances</i> , 2016, 6, 56375-56383.   | 1.7 | 22        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 469 | Functionalization of Reduced Graphene Oxide with $\beta$ -cyclodextrin Modified Palladium Nanoparticles for the Detection of Hydrazine in Environmental Water Samples. <i>Electroanalysis</i> , 2017, 29, 587-594.  | 1.5 | 22        |
| 470 | One-step green synthesis of colloidal gold nano particles: A potential electrocatalyst towards high sensitive electrochemical detection of methyl parathion in food samples. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 87, 83-90.  | 2.7 | 22        |
| 471 | A highly conducting flower like Au nanoparticles interconnected functionalized CNFs and its enhanced electrocatalytic activity towards hydrazine through direct electron transfer. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 82, 64-74.  | 2.7 | 22        |
| 472 | Simultaneous voltammetric determination of acetaminophen, naproxen, and theophylline using an in-situ polymerized poly(acrylic acid) nanogel covalently grafted onto a carbon black/La <sub>2</sub> O <sub>3</sub> composite. <i>Mikrochimica Acta</i> , 2019, 186, 651.  | 2.5 | 22        |
| 473 | One-pot sonochemical synthesis of Bi <sub>2</sub> WO <sub>6</sub> nanospheres with multilayer reduced graphene nanosheets modified electrode as rapid electrochemical sensing platform for high sensitive detection of oxidative stress biomarker in biological sample. <i>Ultrasonics Sonochemistry</i> , 2019, 57, 233-241. | 3.8 | 22        |
| 474 | A sonochemical assisted synthesis of hollow sphere structured tin (IV) oxide on graphene oxide sheets for the low-level detection of environmental pollutant mercury in biological samples and foodstuffs. <i>Ultrasonics Sonochemistry</i> , 2020, 67, 105164.   | 3.8 | 22        |
| 475 | Sonochemical synthesis and fabrication of perovskite type calcium titanate interfacial nanostructure supported on graphene oxide sheets as a highly efficient electrocatalyst for electrochemical detection of chemotherapeutic drug. <i>Ultrasonics Sonochemistry</i> , 2020, 69, 105242.                                    | 3.8 | 22        |
| 476 | Facile Synthesis of $\text{Sm}_2\text{S}_3/\text{MoS}_2$ Bimetallic Sulfide as a High-Performance Electrochemical Sensor for the Detection of Antineoplastic Drug 5-Fluorouracil in a Biological Samples. <i>Journal of the Electrochemical Society</i> , 2020, 167, 117506.  | 1.3 | 22        |
| 477 | Sonochemical synthesis of copper vanadate nanoparticles for the highly selective voltammetric detection of antibiotic drug ornidazole. <i>Journal of Alloys and Compounds</i> , 2021, 867, 159019.  | 2.8 | 22        |
| 478 | Designing hybrid barium tungstate on functionalized carbon black as electrode modifier for low potential detection of antihistamine drug promethazine hydrochloride. <i>Composites Part B: Engineering</i> , 2021, 215, 108789.   | 5.9 | 22        |
| 479 | A novel electrochemical sensor for the detection of enrofloxacin based on a 3D flower-like metal tungstate-incorporated reduced graphene oxide nanocomposite. <i>Nanoscale</i> , 2022, 14, 1250-1263.   | 2.8 | 22        |
| 480 | Electrochemical Preparation of Poly(Malachite Green) Film Modified Nafion-Coated Glassy Carbon Electrode and Its Electrocatalytic Behavior Towards NADH, Dopamine and Ascorbic Acid. <i>Electroanalysis</i> , 2007, 19, 1531-1538.  | 1.5 | 21        |
| 481 | A facile electrochemical synthesis strategy for Cu <sub>2</sub> O (cubes, sheets and flowers) microstructured materials for sensitive detection of 4-nitrophenol. <i>Analytical Methods</i> , 2016, 8, 5906-5910.   | 1.3 | 21        |
| 482 | Low-Temperature Chemical Synthesis of Three-Dimensional Hierarchical Ni(OH) <sub>2</sub> -Coated Ni Microflowers for High-Performance Enzyme-Free Glucose Sensor. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25752-25759.  | 1.5 | 21        |
| 483 | Highly Sensitive Electrochemical Detection of Nitrite Ions in Food Samples via $\beta$ -Cyclodextrin Capped Gold Nanoparticles Film Modified Glassy Carbon Electrode. <i>Journal of the Electrochemical Society</i> , 2017, 164, B715-B722.   | 1.3 | 21        |
| 484 | Functionalized-Carbon Black as a Conductive Matrix for Nickel Sulfide Nanospheres and Its Application to Non-Enzymatic Glucose Sensor. <i>Journal of the Electrochemical Society</i> , 2018, 165, B96-B102.   | 1.3 | 21        |
| 485 | Electrochemical Synthesis of Lutetium (III) Hexacyanoferrate/poly(taurine) Modified Glassy Carbon Electrode for the Sensitive Detection of Sulfite in Tap Water. <i>Journal of the Electrochemical Society</i> , 2018, 165, B469-B474.  | 1.3 | 21        |
| 486 | Electrochemical sensing of free radical antioxidant diphenylamine cations (DPAH <sup>+</sup> ) with carbon interlaced nanoflake-assembled Mg <sub>x</sub> Ni <sub>9</sub> S <sub>8</sub> microspheres. <i>CrystEngComm</i> , 2019, 21, 724-735.   | 1.3 | 21        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 487 | Enzyme-free electrocatalytic sensing of hydrogen peroxide using a glassy carbon electrode modified with cobalt nanoparticle-decorated tungsten carbide. <i>Mikrochimica Acta</i> , 2019, 186, 265.   | 2.5 | 21        |
| 488 | Evaluating an effective electrocatalyst for the rapid determination of triptan drug (Maxalt <sup>®</sup> , $\text{C}_{17}\text{H}_{17}\text{N}_3$ ) from (mono and binary) transition metal (Co, Mn, CoMn, MnCo) oxides via electrochemical approaches. <i>New Journal of Chemistry</i> , 2020, 44, 605-613. | 1.4 | 21        |
| 489 | Ultrafine Bi-Sn nanoparticles decorated on carbon aerogels for electrochemical simultaneous determination of dopamine (neurotransmitter) and clozapine (antipsychotic drug). <i>Nanoscale</i> , 2020, 12, 22217-22233.   | 2.8 | 21        |
| 490 | Cobalt-tungsten diselenide-supported nickel foam as a battery-type positive electrode for an asymmetric supercapacitor device: comparison with various $\text{MWSn}_2$ (M = Ni, Cu, Zn, and) <i>TJ ETQq0 0.8gBT / Overlock 10</i>  | 2.8 | 21        |
| 491 | Sonochemical preparation of bismuth oxide nanotiles decorated exfoliated graphite for the electrochemical detection of imipramine. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 105014.  | 3.8 | 21        |
| 492 | In situ formation of $\text{Co}_3\text{O}_4$ nanoparticles embedded N-doped porous carbon nanocomposite: a robust material for electrocatalytic detection of anticancer drug flutamide and supercapacitor application. <i>Mikrochimica Acta</i> , 2021, 188, 196.  | 2.5 | 21        |
| 493 | Preparation of $\text{K}^+$ intercalated $\text{MnO}_2$ -rGO composite for the electrochemical detection of nitroaniline in industrial wastewater. <i>Journal of Hazardous Materials</i> , 2021, 411, 125054.  | 6.5 | 21        |
| 494 | Label-free electrochemical immunosensor based on L-cysteine-functionalized AuNP on reduced graphene oxide for the detection of dengue virus E-protein in dengue blood serum. <i>Composites Part B: Engineering</i> , 2022, 238, 109876.  | 5.9 | 21        |
| 495 | Electrochemical fabrication of Rh-Pd particles and electrocatalytic applications. <i>Journal of Applied Electrochemistry</i> , 2011, 41, 663-668.  | 1.5 | 20        |
| 496 | Electrochemical synthesis of mixed-valence manganese/copper hybrid composite using graphene oxide and multi-walled carbon nanotubes for nonenzymatic glucose sensor. <i>Journal of Electroanalytical Chemistry</i> , 2014, 735, 36-42.   | 1.9 | 20        |
| 497 | Influence of Poly( <i>N</i> -vinylcarbazole) as a Photoanode Component in Enhancing the Performance of a Dye-Sensitized Solar Cell. <i>Journal of Physical Chemistry C</i> , 2015, 119, 23830-23838.   | 1.5 | 20        |
| 498 | Facile, low-temperature synthesis of tungsten carbide (WC) flakes for the sensitive and selective electrocatalytic detection of dopamine in biological samples. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2024-2034.   | 3.0 | 20        |
| 499 | A Single-Step Electrochemical Preparation of Cadmium Sulfide Anchored ERGO/ $\beta$ -CD Modified Screen-Printed Carbon Electrode for Sensitive and Selective Detection of Nitrite. <i>Journal of the Electrochemical Society</i> , 2019, 166, B690-B696.   | 1.3 | 20        |
| 500 | Ultrasound-assisted synthesis of $\beta$ -MnS (alabandite) nanoparticles decorated reduced graphene oxide hybrids: Enhanced electrocatalyst for electrochemical detection of Parkinson's disease biomarker. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 378-385.  | 3.8 | 20        |
| 501 | Bifunctional bimetallic heterojunction material based on $\text{Al}_2\text{O}_3/\text{ZnO}$ micro flowers for electrochemical sensing and catalysis. <i>Ecotoxicology and Environmental Safety</i> , 2019, 176, 250-257.   | 2.9 | 20        |
| 502 | Ultrasonication assisted synthesis of NiO nanoparticles anchored on graphene oxide: an enzyme-free glucose sensor with ultrahigh sensitivity. <i>New Journal of Chemistry</i> , 2020, 44, 15071-15080.   | 1.4 | 20        |
| 503 | Ni-Doped $\text{ZrO}_2$ nanoparticles decorated MW-CNT nanocomposite for the highly sensitive electrochemical detection of 5-amino salicylic acid. <i>Analyst</i> , The, 2021, 146, 664-673.   | 1.7 | 20        |
| 504 | Additive-free synthesis of $\text{BiVO}_4$ microspheres as an electrochemical sensor for determination of antituberculosis drug rifampicin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 624, 126849.   | 2.3 | 20        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 505 | Highly sensitive electrochemical sensor based on carbon-rich graphitic carbon nitride as an electrocatalyst for the detection of diphenylamine. <i>Microchemical Journal</i> , 2020, 159, 105587.  | 2.3 | 20        |
| 506 | Spinel CoMn <sub>2</sub> O <sub>4</sub> nano-/micro-spheres embedded RGO nanosheets modified disposable electrode for the highly sensitive electrochemical detection of metol. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 106, 287-296.      | 2.9 | 20        |
| 507 | Electrochemical sensor based on cobalt ruthenium sulfide nanoparticles embedded on boron nitrogen co-doped reduced graphene oxide for the determination of nitrite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 637, 128271. | 2.3 | 20        |
| 508 | Zinc Oxide/Zinc Hexacyanoferrate Hybrid Film-Modified Electrodes for Guanine Detection. <i>Electroanalysis</i> , 2007, 19, 1944-1951.  | 1.5 | 19        |
| 509 | Electrochemical oxidation and determination of norepinephrine in the presence of acetaminophen using MnO <sub>2</sub> nanoparticle decorated reduced graphene oxide sheets. <i>Analytical Methods</i> , 2014, 6, 6504-6513.                                      | 1.3 | 19        |
| 510 | Selective and Simultaneous Determination of Dihydroxybenzene Isomers Based on Green Synthesized Gold Nanoparticles Decorated Reduced Graphene Oxide. <i>Electroanalysis</i> , 2015, 27, 1144-1151.   | 1.5 | 19        |
| 511 | Electrochemical Activation of Graphite Nanosheets Decorated with Palladium Nanoparticles for High Performance Amperometric Hydrazine Sensor. <i>Electroanalysis</i> , 2016, 28, 808-816.   | 1.5 | 19        |
| 512 | A robust nitrobenzene electrochemical sensor based on chitin hydrogel entrapped graphite composite. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 663-668.  | 2.7 | 19        |
| 513 | Ecofriendly preparation of graphene sheets decorated with an ethylenediamine copper complex composite modified electrode for the selective detection of hydroquinone in water. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 490-500.                          | 3.0 | 19        |
| 514 | Exploring the Electrocatalytic Edge Plane Activity of Screen Printed Carbon Electrode and Various Carbonaceous Materials towards the Catecholic Derivatives. <i>Journal of the Electrochemical Society</i> , 2018, 165, H969-H978.                               | 1.3 | 19        |
| 515 | Synergistic activity of single crystalline bismuth sulfide and sulfur doped graphene towards the electrocatalysis of tryptophan. <i>Journal of Catalysis</i> , 2018, 367, 252-263.   | 3.1 | 19        |
| 516 | Ethylcellulose assisted exfoliation of graphite by the ultrasound emulsification: An application in electrochemical acebutolol sensor. <i>Ultrasonics Sonochemistry</i> , 2019, 59, 104720.  | 3.8 | 19        |
| 517 | Binder-Free Modification of a Glassy Carbon Electrode by Using Porous Carbon for Voltammetric Determination of Nitro Isomers. <i>ACS Omega</i> , 2019, 4, 8907-8918.   | 1.6 | 19        |
| 518 | Ultrasound-promoted covalent functionalization of CNFs with thermo-sensitive PNIPAM via "grafting-from" strategy for on/off switchable electrochemical determination of clothianidin. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 200-212.                      | 3.8 | 19        |
| 519 | Facile sonochemical synthesis of rutile-type titanium dioxide microspheres decorated graphene oxide composite for efficient electrochemical sensor. <i>Ultrasonics Sonochemistry</i> , 2020, 62, 104872.   | 3.8 | 19        |
| 520 | Electrochemical reduction of Procardia drug with aid of silver phosphate/strontium phosphate nanoparticles (AgP/SrP NPs) modified glassy carbon electrode. <i>Microchemical Journal</i> , 2020, 159, 105565.   | 2.3 | 19        |
| 521 | Simple synthesis of CoSn(OH) <sub>6</sub> nanocubes for the rapid electrochemical determination of rutin in the presence of quercetin and acetaminophen. <i>New Journal of Chemistry</i> , 2020, 44, 11271-11281.  | 1.4 | 19        |
| 522 | Synthesis of highly electroactive nanoflowers like manganesetin oxide and electroanalytical application for chloramphenicol determination in milk and honey samples. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114914.                          | 1.9 | 19        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 523 | Tailoring of bismuth vanadate impregnated on molybdenum/graphene oxide sheets for sensitive detection of environmental pollutants 2, 4, 6 trichlorophenol. <i>Ecotoxicology and Environmental Safety</i> , 2021, 211, 111934.  | 2.9 | 19        |
| 524 | Highly selective simultaneous electrochemical detection of trace level of heavy metals in water samples based on the single-crystalline Co <sub>3</sub> O <sub>4</sub> nanocubes modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2021, 887, 115159.                  | 1.9 | 19        |
| 525 | Facile synthesis of single-crystalline Fe-doped copper vanadate nanoparticles for the voltammetric monitoring of lethal hazardous fungicide carbendazim. <i>Mikrochimica Acta</i> , 2021, 188, 277.  | 2.5 | 19        |
| 526 | Preparation, characterization and electrocatalytic behavior of zinc oxide/zinc hexacyanoferrate and ruthenium oxide hexacyanoferrate hybrid film-modified electrodes. <i>Electrochimica Acta</i> , 2008, 53, 2862-2869.  | 2.6 | 18        |
| 527 | Nickel, copper and manganese hexacyanoferrate with poly(3,4-ethylenedioxythiophene) hybrid film modified electrode for selectively determination of ascorbic acid. <i>Russian Journal of Electrochemistry</i> , 2012, 48, 291-301.   | 0.3 | 18        |
| 528 | A simple and sensitive electroanalytical determination of anxiolytic buspirone hydrochloride drug based on multiwalled carbon nanotubes modified electrode. <i>Journal of Applied Electrochemistry</i> , 2014, 44, 317-323.  | 1.5 | 18        |
| 529 | Electrochemical Synthesis of $\beta$ -Cyclodextrin Functionalized Silver Nanoparticles and Reduced Graphene Oxide Composite for the Determination of Hydrazine. <i>Electroanalysis</i> , 2016, 28, 1970-1976.  | 1.5 | 18        |
| 530 | Electrochemical preparation of biomolecule stabilized copper nanoparticles decorated reduced graphene oxide for the sensitive and selective determination of hydrogen peroxide. <i>Electrochimica Acta</i> , 2016, 191, 55-61.   | 2.6 | 18        |
| 531 | Developing the photovoltaic performance of dye-sensitized solar cells (DSSCs) using a SnO <sub>2</sub> -doped graphene oxide hybrid nanocomposite as a photo-anode. <i>Optical Materials</i> , 2018, 79, 345-352.  | 1.7 | 18        |
| 532 | One pot synthesis of $\beta$ -AgVO <sub>3</sub> /palygorskite nanocomposites with enhanced photocatalytic activity using triple roles of palygorskite: supporter, dispersant and growth-directing agent. <i>Dalton Transactions</i> , 2018, 47, 16855-16861.                             | 1.6 | 18        |
| 533 | A Green Approach to the Synthesis of Well-Structured Prussian Blue Cubes for the Effective Electrocatalytic Reduction of Antiprotozoal Agent Coccidiostat Nicarbazin. <i>Electroanalysis</i> , 2018, 30, 1669-1677.  | 1.5 | 18        |
| 534 | Synthesis, characterization and catalytic performance of nanostructured dysprosium molybdate catalyst for selective biomolecule detection in biological and pharmaceutical samples. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5065-5077.  | 2.9 | 18        |
| 535 | A sensitive electrochemical determination of chemotherapy agent using graphitic carbon nitride covered vanadium oxide nanocomposite; sonochemical approach. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104664.   | 3.8 | 18        |
| 536 | Highly Sensitive Detection of Gallic Acid in Food Samples by Using Robust NiAl <sub>2</sub> O <sub>4</sub> Nanocomposite Materials. <i>Journal of the Electrochemical Society</i> , 2019, 166, B29-B34.  | 1.3 | 18        |
| 537 | Microwave-assisted synthesis of gadolinium(III) oxide decorated reduced graphene oxide nanocomposite for detection of hydrogen peroxide in biological and clinical samples. <i>Journal of Electroanalytical Chemistry</i> , 2019, 837, 167-174.  | 1.9 | 18        |
| 538 | A La <sup>3+</sup> -doped TiO <sub>2</sub> nanoparticle decorated functionalized-MWCNT catalyst: novel electrochemical non-enzymatic sensing of paraoxon-ethyl. <i>Nanoscale Advances</i> , 2020, 2, 3033-3049.  | 2.2 | 18        |
| 539 | Construction of novel binary metal oxides: Copper oxide-tin oxide nanoparticles regulated for selective and nanomolar level electrochemical detection of anti-psychotic drug. <i>Electrochimica Acta</i> , 2021, 386, 138482.  | 2.6 | 18        |
| 540 | Synthesis and characterization of iron-cobalt oxide/polypyrrole nanocomposite: An electrochemical sensing platform of anti-prostate cancer drug flutamide in human urine and serum samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127367. | 2.3 | 18        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 541 | Synthesis and characterizations of iron antimony oxide nanoparticles and its applications in electrochemical detection of carbendazim in apple juice and paddy water samples. <i>Food Chemistry</i> , 2022, 373, 131569.  | 4.2 | 18        |
| 542 | Synergetic combination of nano hexagons SnS <sub>2</sub> /Sulfur substituted graphitic carbon nitride: Evaluation of electrochemical sensor for the agricultural pollutant in environmental samples. <i>Chemical Engineering Journal</i> , 2022, 431, 134174.   | 6.6 | 18        |
| 543 | Hydrothermally constructed AgWO <sub>4</sub> -rGO nanocomposites as an electrode enhancer for ultrasensitive electrochemical detection of hazardous herbicide crisquat. <i>Chemosphere</i> , 2022, 299, 134434.   | 4.2 | 18        |
| 544 | Single step electrochemical fabrication of highly loaded palladium nanoparticles decorated chemically reduced graphene oxide and its electrocatalytic applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 452, 39-45. | 2.3 | 17        |
| 545 | An Amperometric Biological Toxic Hydrazine Sensor Based on Multiwalled Carbon Nanotubes and Iron Tetrasulfonated Phthalocyanine Composite Modified Electrode. <i>Electroanalysis</i> , 2015, 27, 1403-1410.   | 1.5 | 17        |
| 546 | One-step synthesis of porous copper oxide for electrochemical sensing of acetylsalicylic acid in the real sample. <i>Journal of Colloid and Interface Science</i> , 2017, 501, 350-356.   | 5.0 | 17        |
| 547 | One-pot synthesis of three-dimensional Mn <sub>3</sub> O <sub>4</sub> microcubes for high-level sensitive detection of head and neck cancer drug nimorazole. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 1193-1201.                            | 5.0 | 17        |
| 548 | f-MWCNTs-PIN/Ti <sub>2</sub> O <sub>3</sub> nanocomposite: Preparation, characterization and nanomolar detection of Lipoic acid in vegetables. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 217-225.   | 4.0 | 17        |
| 549 | A feasible sonochemical approach to synthesize CuO@CeO <sub>2</sub> nanomaterial and their enhanced non-enzymatic sensor performance towards neurotransmitter. <i>Ultrasonics Sonochemistry</i> , 2020, 63, 104903.   | 3.8 | 17        |
| 550 | One-pot engineering of novel cashew like cobalt tungstate; dynamic electrocatalyst for the selective detection of promethazine hydrochloride. <i>Microchemical Journal</i> , 2020, 159, 105381.   | 2.3 | 17        |
| 551 | Ultrasound supported synthesis of tantalum carbide integrated functionalized carbon composite for the voltammetric determination of the Antibacterial drug nitrofurantoin in pharmaceutical samples. <i>Mikrochimica Acta</i> , 2020, 187, 342.                 | 2.5 | 17        |
| 552 | Ultrasonic preparation and nanosheets supported binary metal oxide nanocomposite for the effective application towards the electrochemical sensor. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 105007.   | 3.8 | 17        |
| 553 | Thermo-regulated synthesis of NiMn layered double hydroxides for real-time determination of hydrogen peroxide in living cells and oxidase activity. <i>Applied Surface Science</i> , 2021, 539, 148256.   | 3.1 | 17        |
| 554 | Development of an electrochemical sensor based on a cobalt oxide/tin oxide composite for determination of antibiotic drug ornidazole. <i>New Journal of Chemistry</i> , 2021, 45, 12593-12605.  | 1.4 | 17        |
| 555 | Samarium vanadate nanospheres integrated carbon nanofiber composite as an efficient electrocatalyst for antituberculosis drug detection in real samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 617, 126385.           | 2.3 | 17        |
| 556 | 2D-Titanium carbide MXene/RGO composite modified electrode for selective detection of carcinogenic residue furazolidone in food and biological samples. <i>Materials Letters</i> , 2021, 297, 129979.   | 1.3 | 17        |
| 557 | Simultaneous electrochemical determination of nitrofurantoin and nifedipine with assistance of needle-shaped perovskite structure: barium stannate fabricated glassy carbon electrode. <i>Mikrochimica Acta</i> , 2021, 188, 19.                                | 2.5 | 17        |
| 558 | A highly sensitive and selective electrochemical determination of Hg(II) based on an electrochemically activated graphite modified screen-printed carbon electrode. <i>Analytical Methods</i> , 2014, 6, 8368-8373.   | 1.3 | 16        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 559 | Electrochemical Preparation of Yttrium Hexacyanoferrate on Reduced Graphene Oxide and Its Application to Analgesic Drug Sensor. <i>Electroanalysis</i> , 2014, 26, 1712-1720.  | 1.5 | 16        |
| 560 | Enzymatic glucose biosensor based on bismuth nanoribbons electrochemically deposited on reduced graphene oxide. <i>Mikrochimica Acta</i> , 2015, 182, 2165-2172.   | 2.5 | 16        |
| 561 | A Facile Chemical Synthesis of Cu <sub>2</sub> O Nanocubes Covered with Co <sub>3</sub> O <sub>4</sub> Nanohexagons for the Sensitive Detection of Glucose. <i>Electroanalysis</i> , 2016, 28, 1547-1552.  | 1.5 | 16        |
| 562 | Design and investigation of ytterbium tungstate nanoparticles: An efficient catalyst for the sensitive and selective electrochemical detection of antipsychotic drug chlorpromazine. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 96, 509-519. | 2.7 | 16        |
| 563 | Highly sensitive and selective electrochemical detection of antipsychotic drug chlorpromazine in biological samples based on poly-N-isopropylacrylamide microgel. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 96, 599-609.                    | 2.7 | 16        |
| 564 | Graphene and Perovskite-Based Nanocomposite for Both Electrochemical and Gas Sensor Applications: An Overview. <i>Sensors</i> , 2020, 20, 6755.  | 2.1 | 16        |
| 565 | Facile synthesis of ultrathin NiSnO <sub>3</sub> nanoparticles for enhanced electrochemical detection of an antibiotic drug in water bodies and biological samples. <i>New Journal of Chemistry</i> , 2020, 44, 10604-10612.   | 1.4 | 16        |
| 566 | Electroactive polypyrrole-molybdenum disulfide nanocomposite for ultrasensitive detection of berberine in rat plasma. <i>Analytica Chimica Acta</i> , 2020, 1125, 210-219.   | 2.6 | 16        |
| 567 | Bismuth molybdate incorporated functionalized carbon nanofiber as an electrocatalytic tool for the pinpoint detection of organic pollutant in life samples. <i>Ecotoxicology and Environmental Safety</i> , 2021, 209, 111828.   | 2.9 | 16        |
| 568 | Interfacial Influence of Strontium Niobium Engulfed Reduced Graphene Oxide Composite for Sulfamethazine Detection: Employing an Electrochemical Route in Real Samples. <i>Journal of the Electrochemical Society</i> , 2021, 168, 057512.                              | 1.3 | 16        |
| 569 | Deep eutectic solvent synthesis of iron vanadate-decorated sulfur-doped carbon nanofiber nanocomposite: electrochemical sensing tool for doxorubicin. <i>Mikrochimica Acta</i> , 2021, 188, 303.   | 2.5 | 16        |
| 570 | Simple strategy synthesis of manganese cobalt oxide anchored on graphene oxide composite as an efficient electrocatalyst for hazardous 4-nitrophenol detection in toxic tannery waste. <i>Microchemical Journal</i> , 2021, 168, 106514.                               | 2.3 | 16        |
| 571 | Fe doped NiO incorporated porous carbon hybrid electrocatalyst: A state of the art analysis for the selective sensing of acetaminophen in biological and pharmaceutical samples. <i>Journal of Alloys and Compounds</i> , 2021, 876, 160215.                           | 2.8 | 16        |
| 572 | Porous-coral-like cerium doped tungsten oxide/graphene oxide micro balls: A robust electrochemical sensing platform for the detection of antibiotic residue. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127275.              | 2.3 | 16        |
| 573 | A portable advanced electrocatalyst for polyphenolic chlorogenic acid evaluation in food samples. <i>Chemical Engineering Journal</i> , 2022, 435, 134796.   | 6.6 | 16        |
| 574 | Economically applicable Ti <sub>2</sub> O <sub>3</sub> decorated m-aminophenol-formaldehyde resin microspheres for dye-sensitized solar cells (DSSCs). <i>Journal of Colloid and Interface Science</i> , 2017, 494, 82-91.   | 5.0 | 15        |
| 575 | Multiwalled carbon nanotube supported Schiff base copper complex inorganic nanocomposite for enhanced electrochemical detection of dopamine. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 809-819.  | 3.0 | 15        |
| 576 | A facile low-temperature synthesis of V <sub>2</sub> O <sub>5</sub> flakes for electrochemical detection of hydrogen peroxide sensor. <i>Ionics</i> , 2017, 23, 2193-2200.   | 1.2 | 15        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 577 | Highly Sensitive and Selective Detection of Phenolic Compound in River and Drinking Water Samples Using One-pot Synthesized 3D Cobalt Oxide Polyhedrons. <i>Journal of the Electrochemical Society</i> , 2017, 164, B463-B469.  | 1.3 | 15        |
| 578 | A Facile Synthesis of Cd(OH) <sub>2</sub> •rGO Nanocomposites for the Practical Electrochemical Detection of Acetaminophen. <i>Electroanalysis</i> , 2017, 29, 280-286.   | 1.5 | 15        |
| 579 | Hydrothermal Synthesis of Cr <sub>2</sub> Se <sub>3</sub> Hexagons for Sensitive and Low-level Detection of 4-Nitrophenol in Water. <i>Scientific Reports</i> , 2018, 8, 4839.  | 1.6 | 15        |
| 580 | Polystyrene-β-Cyclodextrin Inclusion Complex-Supported Y <sub>2</sub> O <sub>3</sub> -Based Electrochemical Sensor: Effective and Simultaneous Determination of 4-Aminoantipyrine and Acyclovir Drugs. <i>Journal of Physical Chemistry C</i> , 2019, 123, 12211-12222. | 1.5 | 15        |
| 581 | High-Efficiency of Bi-Functional-Based Perovskite Nanocomposite for Oxygen Evolution and Oxygen Reduction Reaction: An Overview. <i>Materials</i> , 2021, 14, 2976.   | 1.3 | 15        |
| 582 | Investigation on microstructural impacts to electrochemical performances of strontium tungstate as efficient bifunctional catalyst for hydrogen and oxygen evolution reactions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 126, 145-153.      | 2.7 | 15        |
| 583 | Nanolayers of carbon protected copper oxide nanocomposite for high performance energy storage and non-enzymatic glucose sensor. <i>Journal of Alloys and Compounds</i> , 2021, 875, 160063.   | 2.8 | 15        |
| 584 | Cadmium sulfide quantum dots anchored on reduced graphene oxide for the electrochemical detection of metronidazole. <i>New Journal of Chemistry</i> , 2021, 45, 3022-3033.  | 1.4 | 15        |
| 585 | Improving sensitivity of antimicrobial drug nitrofurazone detection in food and biological samples based on nanostructured anatase-titania sheathed reduced graphene oxide. <i>Nanotechnology</i> , 2020, 31, 445502.   | 1.3 | 15        |
| 586 | Sonochemically Recovered Aluminum Oxide Nanoparticles from Domestic Aluminum Wastes as a Highly Stable Electrocatalyst for Proton-Pump Inhibitor (Omeprazole) Detection. <i>Journal of the Electrochemical Society</i> , 2020, 167, 027544.                             | 1.3 | 15        |
| 587 | Electrochemical Preparation of a Reduced Graphene Oxide/Ruthenium Oxide Modified Electrode and Its Application to the Simultaneous Determination of Serotonin and Melatonin. <i>Science of Advanced Materials</i> , 2015, 7, 654-662.                                   | 0.1 | 15        |
| 588 | In-situ fabrication of polypyrrole composite with MoO <sub>3</sub> : An effective interfacial charge transfers and electrode materials for degradation and determination of acetaminophen. <i>Chemosphere</i> , 2022, 291, 132977.                                      | 4.2 | 15        |
| 589 | Silicomolybdate-incorporated Glutaraldehyde-Crosslinked Poly-L-lysine Film Modified Glassy Carbon Electrode as Amperometric Sensor for Bromate Determination. <i>Electroanalysis</i> , 2009, 21, 1655-1658.   | 1.5 | 14        |
| 590 | Simultaneous determination of ascorbic acid, dopamine, uric acid and hydrogen peroxide based on co-immobilization of PEDOT and FAD using multi-walled carbon nanotubes. <i>Analytical Methods</i> , 2014, 6, 8321-8327.   | 1.3 | 14        |
| 591 | Electro-oxidative determination of aromatic amine (o-phenylenediamine) using organic-inorganic hybrid composite. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 149-157.  | 5.0 | 14        |
| 592 | Electrochemical sensing of anti-inflammatory agent in paramedical sample based on FeMoSe <sub>2</sub> modified SPCE: Comparison of various preparation methods and morphological effects. <i>Analytica Chimica Acta</i> , 2019, 1083, 88-100.                           | 2.6 | 14        |
| 593 | A novel nanocomposite with superior electrocatalytic activity: A magnetic property based ZnFe <sub>2</sub> O <sub>4</sub> nanocubes embellished with reduced graphene oxide by facile ultrasonic approach. <i>Ultrasonics Sonochemistry</i> , 2019, 57, 116-124.        | 3.8 | 14        |
| 594 | Ultrasound-induced radicals initiated the formation of inorganic-organic Pr <sub>2</sub> O <sub>3</sub> /polystyrene hybrid composite for electro-oxidative determination of chemotherapeutic drug methotrexate. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 410-421.  | 3.8 | 14        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 595 | High-performance SERS detection of pesticides using BiOCl-BiOBr@Pt/Au hybrid nanostructures on styrofoams as 3D functional substrate. <i>Mikrochimica Acta</i> , 2020, 187, 580.  | 2.5 | 14        |
| 596 | Copper sulfide nano-globules reinforced electrodes for high-performance electrochemical determination of toxic pollutant hydroquinone. <i>New Journal of Chemistry</i> , 2021, 45, 3215-3223.   | 1.4 | 14        |
| 597 | 3D Honey-Comb like Nitrogen Self-Doped Porous Carbon Networks for High-Performance Electrochemical Detection of Antibiotic Drug Furazolidone. <i>Journal of the Electrochemical Society</i> , 2021, 168, 047503.  | 1.3 | 14        |
| 598 | Polyol-assisted synthesis of spinel-type magnesium cobalt oxide nanochains for voltammetric determination of the antipsychotic drug thioridazine. <i>Journal of Electroanalytical Chemistry</i> , 2021, 898, 115600.  | 1.9 | 14        |
| 599 | Simple hydrothermal synthesis of defective CeMoSe <sub>2</sub> dendrites as an effective electrocatalyst for the electrochemical sensing of 4-nitrophenol in water samples. <i>New Journal of Chemistry</i> , 2019, 43, 17200-17210.  | 1.4 | 14        |
| 600 | A novel high-performance electrocatalytic determination platform for voltammetric sensing of eugenol in acidic media using pyrochlore structured lanthanum stannate nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 106, 103-112.                     | 2.9 | 14        |
| 601 | Fabricating BiOI nanostructures armed catalytic strips for selective electrochemical and SERS detection of pesticide in polluted water. <i>Environmental Pollution</i> , 2022, 296, 118754.   | 3.7 | 14        |
| 602 | Electropolymerization of polymerized fuchsin acid films enhanced by Nafion® and their electrocatalytic properties with melatonin and 3,4-dihydroxyphenylalanine. <i>Journal of Electroanalytical Chemistry</i> , 2005, 575, 125-137.  | 1.9 | 13        |
| 603 | Controlled electrochemical synthesis of new rare earth metal lutetium hexacyanoferrate on reduced graphene oxide and its application as a salicylic acid sensor. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7515-7523.  | 2.9 | 13        |
| 604 | A non-covalent interaction of Schiff base copper alanine complex with green synthesized reduced graphene oxide for highly selective electrochemical detection of nitrite. <i>RSC Advances</i> , 2016, 6, 107416-107425.   | 1.7 | 13        |
| 605 | Synthesis and characterization of manganese diselenide nanoparticles (MnSeNPs): Determination of capsaicin by using MnSeNP-modified glassy carbon electrode. <i>Mikrochimica Acta</i> , 2018, 185, 313.   | 2.5 | 13        |
| 606 | One pot controllable synthesis of palygorskite/bismuth oxyiodide hierarchical microspheres for improved visible-light photocatalytic performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 578, 123573.                                      | 2.3 | 13        |
| 607 | Rapid sonochemical synthesis of silver nano-leaves encapsulated on iron pyrite nanocomposite: An excellent catalytic application in the electrochemical detection of herbicide (Acifluorfen). <i>Ultrasonics Sonochemistry</i> , 2019, 54, 90-98.                                   | 3.8 | 13        |
| 608 | Ultrasound assisted synthesis of praseodymium tungstate nanoparticles for the electrochemical detection of cardioselective $\beta$ -blocker drug. <i>Microchemical Journal</i> , 2020, 159, 105420.   | 2.3 | 13        |
| 609 | Platelet-structured strontium titanate perovskite decorated on graphene oxide as a nanocatalyst for electrochemical determination of neurotransmitter dopamine. <i>New Journal of Chemistry</i> , 2020, 44, 18431-18441.  | 1.4 | 13        |
| 610 | Synergistic activity of binary metal sulphide WS <sub>2</sub> @RuS <sub>2</sub> nanospheres for the electrochemical detection of the antipsychotic drug promazine. <i>New Journal of Chemistry</i> , 2020, 44, 4621-4630.   | 1.4 | 13        |
| 611 | Simultaneous and sensitive detection of dopamine and uric acid based on cobalt oxide-decorated graphene oxide composite. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 12595-12607.   | 1.1 | 13        |
| 612 | Temperature-responsive voltammetric sensor based on stimuli-sensitive semi-interpenetrating polymer network conductive microgels for reversible switch detection of nitrogen mustard analog chlorambucil (Leukeran®, $\text{Cl}$ ). <i>Electrochimica Acta</i> , 2021, 374, 137866. | 2.6 | 13        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 613 | Facile one-step synthesis of Ni@CeO <sub>2</sub> nanoparticles towards high performance voltammetric sensing of antipsychotic drug trifluoperazine. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160682.  | 2.8 | 13        |
| 614 | Temperature-enabled reversible "On/Off" switch-like hazardous herbicide picloram voltammetric sensor in agricultural and environmental samples based on thermo-responsive PVCL-tethered MWCNT@Au catalyst. <i>Journal of Hazardous Materials</i> , 2021, 402, 123672.  | 6.5 | 13        |
| 615 | Heterostructures of mixed metal oxides (ZnMnO <sub>3</sub> /ZnO) synthesized by a wet-chemical approach and their application for the electrochemical detection of the drug chlorpromazine. <i>Composites Part B: Engineering</i> , 2022, 236, 109822.   | 5.9 | 13        |
| 616 | A portable Ru-decorated cobalt phosphide on graphitic carbon nitride sensor: An effective electrochemical evaluation method for vitamin B <sub>2</sub> in the environment and biological samples. <i>Chemical Engineering Journal</i> , 2022, 446, 136909.   | 6.6 | 13        |
| 617 | Investigation of morphologies and characterization of rare earth metal samarium hexacyanoferrate and its composite with surfactant intercalated graphene oxide for sensor applications. <i>RSC Advances</i> , 2014, 4, 45895-45902.  | 1.7 | 12        |
| 618 | Detection of real sample DNA at a cadmium sulfide " chitosan/gelatin modified electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 113, 85-91.   | 2.5 | 12        |
| 619 | The electrochemical synthesis of Pt particles on ZrO <sub>2</sub> " ERGO modified electrodes with high electrocatalytic performance for methanol oxidation. <i>New Journal of Chemistry</i> , 2015, 39, 953-961.   | 1.4 | 12        |
| 620 | A Graphene/Gelatin Composite Material for the Entrapment of Hemoglobin for Bioelectrochemical Sensing Applications. <i>Journal of the Electrochemical Society</i> , 2016, 163, B265-B271.  | 1.3 | 12        |
| 621 | Enhanced photocatalytic degradation of atrazine by platinumized titanium dioxide under 352 nm irradiation. <i>Water Science and Technology</i> , 2017, 75, 1128-1137.  | 1.2 | 12        |
| 622 | Electrochemical Determination of Isoniazid Using Gallic Acid Supported Reduced Graphene Oxide. <i>Journal of the Electrochemical Society</i> , 2017, 164, H503-H508.   | 1.3 | 12        |
| 623 | Carboxylic acid-functionalized multi-walled carbon nanotubes-polyindole/TiO <sub>2</sub> : A novel hybrid nanocomposite as highly efficient photo-anode for dye-sensitized solar cells (DSSCs). <i>Applied Surface Science</i> , 2017, 423, 147-153.   | 3.1 | 12        |
| 624 | A novel approach to iron oxide separation from e-waste and bisphenol A detection in thermal paper receipts using recovered nanocomposites. <i>RSC Advances</i> , 2018, 8, 39870-39878.   | 1.7 | 12        |
| 625 | A Novel Synthetic approach to tungsten carbide polyhedrons; An effective electrocatalyst for the detection of organophosphate pesticide (fenitrothion) residues in environmental samples. <i>Materials Chemistry and Physics</i> , 2019, 233, 52-59.   | 2.0 | 12        |
| 626 | FeMn layered double hydroxides: an efficient bifunctional electrocatalyst for real-time tracking of cysteine in whole blood and dopamine in biological samples. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8249-8260.  | 2.9 | 12        |
| 627 | An Ultra-Sensitive Electrochemical Sensor for the Detection of Carcinogen Oxidative Stress 4-Nitroquinoline N-Oxide in Biologic Matrices Based on Hierarchical Spinel Structured NiCo <sub>2</sub> O <sub>4</sub> and NiCo <sub>2</sub> S <sub>4</sub> ; A Comparative Study. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3273. | 1.8 | 12        |
| 628 | Green sonochemical synthesis and fabrication of cubic MnFe <sub>2</sub> O <sub>4</sub> electrocatalyst decorated carbon nitride nano hybrid for neurotransmitter detection in serum samples. <i>Ultrasonics Sonochemistry</i> , 2021, 70, 105305.  | 3.8 | 12        |
| 629 | Highly sensitive manganese oxide/hexagonal boron nitride nanocomposite: An efficient electrocatalyst for the detection of anti-cancer drug flutamide. <i>Microchemical Journal</i> , 2021, 163, 105906.  | 2.3 | 12        |
| 630 | An electrochemical assay for the detection of nitrofurantoin based on bismuth titanate enclosed carbon nanofiber in environmental and biological samples. <i>Journal of Electroanalytical Chemistry</i> , 2021, 887, 115152.   | 1.9 | 12        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 631 | Novel electrochemical method for detection of cytotoxic Tinidazole in aqueous media. <i>Chemical Engineering Research and Design</i> , 2021, 148, 992-1005.   | 2.7 | 12        |
| 632 | Electrochemical evaluation of organic pollutant estradiol in industrial effluents. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105723.  | 3.3 | 12        |
| 633 | Designing and construction of a cobalt-metal-organic framework/heteroatoms co-doped reduced graphene oxide mesoporous nanocomposite based efficient electrocatalyst for chlorogenic acid detection. <i>Journal of Alloys and Compounds</i> , 2022, 898, 163028.   | 2.8 | 12        |
| 634 | Vanadium carbide and nitrogen-doped graphene nanosheets based layered architecture for electrochemical evaluation of cloquinol detection and energy storage application. <i>Electrochimica Acta</i> , 2022, 408, 139930.  | 2.6 | 12        |
| 635 | Bismuth sulfide/zinc-doped graphitic carbon nitride nanocomposite for electrochemical detection of hazardous nitric oxide. <i>Journal of Electroanalytical Chemistry</i> , 2022, 910, 116174.   | 1.9 | 12        |
| 636 | Preparation of Thallium Hexacyanoferrate Film and Mixed-Film Modified Electrodes with Cobalt(II) Hexacyanoferrate. <i>Electroanalysis</i> , 2005, 17, 319-326.  | 1.5 | 11        |
| 637 | A sensitive amperometric detection of dopamine agonist drug pramipexole at functionalized multi-walled carbon nanotubes (f-MWCNTs) modified electrode. <i>Ionics</i> , 2014, 20, 1599-1606.   | 1.2 | 11        |
| 638 | Non-enzymatic sensing of hydrogen peroxide using a glassy carbon electrode modified with a composite consisting of chitosan-encapsulated graphite and platinum nanoparticles. <i>Mikrochimica Acta</i> , 2016, 183, 2861-2869.                                    | 2.5 | 11        |
| 639 | Selective and High-Performance Electrochemical Sensor for Cadmium Ions Based on Intimate Binary Spinel CoMn <sub>2</sub> O <sub>4</sub> Nanostructures. <i>ChemistrySelect</i> , 2019, 4, 13123-13130.  | 0.7 | 11        |
| 640 | Sonochemical synthesis and fabrication of neodymium sesquioxide entrapped with graphene oxide based hierarchical nanocomposite for highly sensitive electrochemical sensor of anti-cancer (raloxifene) drug. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 104717. | 3.8 | 11        |
| 641 | Sonochemical synthesis of graphitic carbon nitrides-wrapped bimetal oxide nanoparticles hybrid materials and their electrocatalytic activity for xanthine electro-oxidation. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 105006.                                 | 3.8 | 11        |
| 642 | Facile synthesis of hexagonal-shaped zinc doped cobalt oxide: Application for electroanalytical determination of antibacterial drug ofloxacin in urine samples. <i>Journal of Electroanalytical Chemistry</i> , 2021, 885, 115101.                                | 1.9 | 11        |
| 643 | Polyol mediated synthesis of hexagonal manganese cobaltate nanoparticles for voltammetric determination of thioridazine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 621, 126625.   | 2.3 | 11        |
| 644 | Rationally designed f-MWCNT-coated bismuth molybdate (f-MWCNT@BMO) nanocomposites for the voltammetric detection of biomolecule dopamine in biological samples. <i>Mikrochimica Acta</i> , 2021, 188, 315.  | 2.5 | 11        |
| 645 | Electrochemical evaluation of naproxen through Au@f-CNT/GO nanocomposite in environmental water and biological samples. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 104, 32-42.  | 2.9 | 11        |
| 646 | Facile synthesis of alpha-phase strontium pyrophosphate incorporated with polypyrrole composite for the electrochemical detection of antipsychotic drug chlorpromazine. <i>Journal of Alloys and Compounds</i> , 2021, 888, 161537.                               | 2.8 | 11        |
| 647 | Facile synthesis of neodymium stannate nanoparticles an effective electrocatalyst for the selective detection of dimetridazole in biological samples. <i>Analytica Chimica Acta</i> , 2022, 1190, 339234.   | 2.6 | 11        |
| 648 | Disposable cerium oxide/graphene nanosheets based sensor for monitoring acebutolol in environmental samples and bio-fluids. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107182.  | 3.3 | 11        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 649 | Electrocatalytic Studies of Coral-Shaped Samarium Stannate Nanoparticles for Selective Detection of Azathioprine in Biological Samples. <i>ACS Applied Nano Materials</i> , 2021, 4, 13048-13059.  | 2.4 | 11        |
| 650 | NiO/ZnO binary metal oxide based electrochemical sensor for the evaluation of hazardous flavonoid in biological and vegetable samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 129077.                                    | 2.3 | 11        |
| 651 | Preparation of Bilayer Platinum and Copper Hexacyanoferrate Hybrid Film Modified Electrode and Its Electrocatalytic Properties. <i>Journal of the Electrochemical Society</i> , 2007, 154, E123.   | 1.3 | 10        |
| 652 | Fe(CN) <sub>6</sub> <sup>4-</sup> Doped Glutaraldehyde Cross-Linked Poly-L-lysine Film Electrode. Part 2: Stability Improvement and Selective Detection of Dopamine in the Presence of Ascorbic Acid. <i>Electroanalysis</i> , 2009, 21, 994-998.                      | 1.5 | 10        |
| 653 | Electrochemical Sensing of H <sub>2</sub> O <sub>2</sub> at Flavin Adenine Dinucleotide/Chitosan/CNT Nanocomposite Modified Electrode. <i>Electrochemical and Solid-State Letters</i> , 2010, 13, K83.   | 2.2 | 10        |
| 654 | Electropolymerized Diphenylamine on Functionalized Multiwalled Carbon Nanotube Composite Film and Its Application to Develop a Multifunctional Biosensor. <i>Electroanalysis</i> , 2014, 26, 399-408.  | 1.5 | 10        |
| 655 | Using multi-walled carbon nanotubes to enhance coimmobilization of poly(azure A) and poly(neutral) Tj ETQq1 1 0.784314 rgBT /Over 2014, 4, 45566-45574.  | 1.7 | 10        |
| 656 | Particle Size and Dispersity Control by Means of Gelatin for High-Yield Mesoporous Silica Nanospheres. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 12580-12586.   | 1.8 | 10        |
| 657 | Electrocodeposition of silver and silicomolybdate hybrid nanocomposite for nonenzymatic hydrogen peroxide sensor. <i>RSC Advances</i> , 2015, 5, 41224-41229.  | 1.7 | 10        |
| 658 | Facile preparation of a highly sensitive nonenzymatic glucose sensor based on multi-walled carbon nanotubes decorated with electrodeposited metals. <i>RSC Advances</i> , 2015, 5, 2806-2812.  | 1.7 | 10        |
| 659 | Polyisothianaphthene/graphene nanocomposite as a new counter electrode material for high performance dye sensitized solar cell. <i>Synthetic Metals</i> , 2017, 230, 58-64.  | 2.1 | 10        |
| 660 | Fabrication of p-n Junction (Ni/Zn)O and Reduced Graphene Oxide (rGO) Nanocomposites for the Electrocatalysis of Analgesic Drug (Acetaminophen) Detection in Pharmaceutical and Biological Samples. <i>Journal of the Electrochemical Society</i> , 2021, 168, 036501. | 1.3 | 10        |
| 661 | Highly selective voltammetric detection of antipsychotic drug thioridazine hydrochloride based on NiO@Gd <sub>2</sub> O <sub>3</sub> modified screen printed carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115535.                      | 1.9 | 10        |
| 662 | Amperometric determination of ecotoxic N-methyl-p-aminophenol sulfate in photographic solution and river water samples based on graphene oxide/CeNbO <sub>4</sub> nanocomposite catalyst. <i>Ecotoxicology and Environmental Safety</i> , 2021, 220, 112373.           | 2.9 | 10        |
| 663 | Solvothermal synthesis of carbon incorporated MnS <sub>2</sub> Spheres; high sensing performance towards the detection of furazolidone in bio-fluids. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160744.  | 2.8 | 10        |
| 664 | Floret-like manganese doped tin oxide anchored reduced graphene oxide for electrochemical detection of dimetridazole in milk and egg samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 631, 127733.                             | 2.3 | 10        |
| 665 | Coherent design of indium doped copper bismuthate-encapsulated graphene nanocomposite for sensitive electrochemical detection of Rutin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 643, 128740.                                   | 2.3 | 10        |
| 666 | Nanoarchitected nickel phosphate integrated with graphene oxide for the toxicant diphenylamine detection in food samples. <i>Journal of Food Composition and Analysis</i> , 2022, 111, 104628.   | 1.9 | 10        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 667 | Graphene impregnated with horseradish peroxidase multimer for the determination of hydrogen peroxide. <i>Analytical Methods</i> , 2012, 4, 3653.  | 1.3 | 9         |
| 668 | Enhancing electro-codeposition and electrocatalytic properties of poly(neutral red) and FAD to determine NADH and H <sub>2</sub> O <sub>2</sub> using amino-functionalized multi-walled carbon nanotubes. <i>RSC Advances</i> , 2013, 3, 25727.                           | 1.7 | 9         |
| 669 | TiO <sub>2</sub> /polyisothianaphthene-A novel hybrid nanocomposite as highly efficient photoanode in dye sensitized solar cell. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 329, 96-104.  | 2.0 | 9         |
| 670 | Facile preparation of a cellulose microfibrils-exfoliated graphite composite: a robust sensor for determining dopamine in biological samples. <i>Cellulose</i> , 2017, 24, 4291-4302.   | 2.4 | 9         |
| 671 | Functionalization of a carbon nanofiber with a tetrasulfonatophenyl ruthenium(II)porphine complex for real-time amperometric sensing of chlorpromazine. <i>Mikrochimica Acta</i> , 2019, 186, 285.  | 2.5 | 9         |
| 672 | Electrosynthesis of carbon aerogel-modified AuNPs@quercetin via an environmentally benign method for hydrazine (HZ) and hydroxylamine (HA) detection. <i>New Journal of Chemistry</i> , 2020, 44, 586-595.  | 1.4 | 9         |
| 673 | The copper oxide nanoflakes modified electrodes for selective and real time electrochemical sensing of caffeine. <i>Inorganic Chemistry Communication</i> , 2020, 118, 108014.  | 1.8 | 9         |
| 674 | Novel construction of carbon nanofiber/CuCrO <sub>2</sub> composite for selective determination of 4-nitrophenol in environmental samples and for supercapacitor application. <i>RSC Advances</i> , 2021, 11, 15856-15870.  | 1.7 | 9         |
| 675 | Sustainable one-pot synthesis of strontium phosphate nanoparticles with effective charge carriers for the photocatalytic degradation of carcinogenic naphthylamine derivative. <i>New Journal of Chemistry</i> , 2021, 45, 15437-15447.                                   | 1.4 | 9         |
| 676 | Graphitic carbon nitride nanosheets incorporated with polypyrrole nanocomposite: A sensitive metal-free electrocatalyst for determination of antibiotic drug nitrofurantoin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127433. | 2.3 | 9         |
| 677 | An electrochemical platform for the selective detection of azathioprine utilizing a screen-printed carbon electrode modified with manganese oxide/reduced graphene oxide. <i>New Journal of Chemistry</i> , 2021, 45, 3640-3651.  | 1.4 | 9         |
| 678 | Ultrafine ruthenium nanoparticles decorated on functionalized carbon nanotubes for the simultaneous determination of antibiotic (nitrofurantoin) and anti-testosterone (flutamide) drugs. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15949-15966.                 | 2.7 | 9         |
| 679 | Electrocatalytic detection of noxious antioxidant diphenylamine in fruit samples with support of Cu@nanoporous carbon modified sensor. <i>Chemosphere</i> , 2022, 292, 133400.  | 4.2 | 9         |
| 680 | Surface engineering of gadolinium oxide nanoseeds with nitrogen-doped carbon quantum dots: an efficient nanocomposite for precise detection of antibiotic drug cloiquinol. <i>New Journal of Chemistry</i> , 2022, 46, 4090-4102.   | 1.4 | 9         |
| 681 | Rational synthesis of rare-earth lanthanum molybdate covered reduced graphene oxide nanocomposites for the voltammetric detection of Moxifloxacin hydrochloride. <i>Bioelectrochemistry</i> , 2022, 146, 108145.  | 2.4 | 9         |
| 682 | Effect of Electrostatic Interaction on Electrodeposition of Nickel Hexacyanoferrate with Functional MWCNTs and Their Application for the Determination of Persulfate and Tannic Acid. <i>Electroanalysis</i> , 2014, 26, 971-979.   | 1.5 | 8         |
| 683 | Potentiostatic Electrochemical Preparation of Bismuth Nanoribbons and its Application in Biologically Poisoning Lead and Cadmium Heavy Metal Ions Detection. <i>Electroanalysis</i> , 2015, 27, 2341-2346.  | 1.5 | 8         |
| 684 | Light-Controlled Photochemical Synthesis of Gelatin-Capped Gold Nanoparticles for Spectral Activity and Electro-oxidation of Quercetin. <i>ChemElectroChem</i> , 2017, 4, 2842-2851.  | 1.7 | 8         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 685 | Highly sensitivity electrochemical sensor based on ErGO/MWCNTs nanohybrid for 2,4-dinitroanisole electroanalysis. <i>Microchemical Journal</i> , 2019, 151, 104226.  | 2.3 | 8         |
| 686 | Gd <sub>2</sub> Te <sub>3</sub> : an antiferromagnetic semimetal. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 285802.   | 0.7 | 8         |
| 687 | Nitrogen and high oxygen-containing metal-free porous carbon nanosheets for supercapacitor and oxygen reduction reaction applications. <i>Nano Express</i> , 2020, 1, 010036.  | 1.2 | 8         |
| 688 | Efficient and green synthesis of silver nanocomposite using guar gum for voltammetric determination of diphenylamine. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 1289-1302.   | 1.1 | 8         |
| 689 | Electrochemical sensors for $\hat{I}^2$ -adrenoceptor agonist isoprenaline analysis in human urine and serum samples using manganese cobalt oxide-modified glassy carbon electrode. <i>New Journal of Chemistry</i> , 2021, 45, 9084-9095.                                       | 1.4 | 8         |
| 690 | Sonochemical-assisted synthesis of zinc vanadate microstructure for electrochemical determination of metronidazole. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 9377-9391.   | 1.1 | 8         |
| 691 | Facile solvothermal synthesis of ultrathin spinel ZnMn <sub>2</sub> O <sub>4</sub> nanospheres: An efficient electrocatalyst for in vivo and in vitro real time monitoring of H <sub>2</sub> O <sub>2</sub> . <i>Journal of Electroanalytical Chemistry</i> , 2021, 900, 115674. | 1.9 | 8         |
| 692 | Hydrothermal synthesis of iron vanadate nanoparticles for voltammetric detection of antipsychotic drug thioridazine. <i>Journal of Alloys and Compounds</i> , 2021, 885, 160880.   | 2.8 | 8         |
| 693 | Simple construction of GdBiVO <sub>4</sub> assembled on reduced graphene oxide for selective and sensitive electrochemical detection of chloramphenicol in food samples. <i>New Journal of Chemistry</i> , 2022, 46, 1577-1587.  | 1.4 | 8         |
| 694 | Rational design of manganese oxide/tin oxide hybrid nanocomposite based electrochemical sensor for detection of prochlorperazine (Antipsychotic drug). <i>Microchemical Journal</i> , 2022, 175, 107082.   | 2.3 | 8         |
| 695 | Facile hydrothermal synthesis of manganese sulfide nanoelectrocatalyst for high sensitive detection of Bisphenol A in food and eco-samples. <i>Food Chemistry</i> , 2022, 393, 133316.   | 4.2 | 8         |
| 696 | Phosphorus-doped graphitic carbon nitride: A metal-free electrocatalyst for quercetin sensing in fruit samples. <i>Electrochimica Acta</i> , 2022, 426, 140759.  | 2.6 | 8         |
| 697 | Synergistic formation of samarium oxide/graphene nanocomposite: A functional electrocatalyst for carbendazim detection. <i>Chemosphere</i> , 2022, 307, 135711.  | 4.2 | 8         |
| 698 | Characterization of MWCNTs-PMel Composite Film and Its Application in Simultaneous Determination of DOPA and Serotonin. <i>Journal of the Electrochemical Society</i> , 2010, 157, K187.   | 1.3 | 7         |
| 699 | One-pot electrochemical preparation of copper species immobilized poly(o-aminophenol)/MWCNT composite with excellent electrocatalytic activity for use as an H <sub>2</sub> O <sub>2</sub> sensor. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1356-1364.                    | 3.0 | 7         |
| 700 | Charge Based Electrochemical Determination of Sulfide Ions in Water Samples Using Poly-L-Lysine Modified Electrode. <i>Journal of the Electrochemical Society</i> , 2018, 165, B268-B274.  | 1.3 | 7         |
| 701 | Influence of GeP precipitates on the thermoelectric properties of P-type GeTe and Ge <sub>0.9</sub> $\hat{x}$ P <sub>x</sub> Sb <sub>0.1</sub> Te compounds. <i>CrystEngComm</i> , 2018, 20, 6449-6457.  | 1.3 | 7         |
| 702 | Citrate stabilized gold nanoparticles on graphenic carbon spheres for the selective detection of hydrazine. <i>Microchemical Journal</i> , 2019, 151, 104234.  | 2.3 | 7         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 703 | Synthesis of BixMoyOz/BiaWbOc nanocomposite by pH tuning with high electrochemical performance. <i>Journal of Electroanalytical Chemistry</i> , 2019, 832, 303-310.  | 1.9 | 7         |
| 704 | Exploring the electrocatalytic application of two-dimensional samarium molybdate ( $\text{Sm}_3\text{O}_4$ ) nanoplatelets for the selective sensing of the organophosphate insecticide oxyparathion. <i>New Journal of Chemistry</i> , 2020, 44, 4285-4294.   | 1.4 | 7         |
| 705 | A Neoteric Double Perovskite $\text{Gd}_2\text{NiMnO}_6$ Nanostructure Electrocatalyst for Augmented Detection of Ecological Pollutant 2, 4, 6 Trichlorophenol. <i>Journal of the Electrochemical Society</i> , 2021, 168, 077515.   | 1.3 | 7         |
| 706 | Scalable and sustainable synthetic assessment between solid-state metathesis and sonochemically derived electrocatalysts (strontium molybdate) for the precise anti-androgen bicalutamide (Casodex <sup>®</sup> ) detection. <i>Microchemical Journal</i> , 2021, 168, 106465.                         | 2.3 | 7         |
| 707 | Electrochemical sensor based on cerium niobium oxide nanoparticles modified electrode for sensing of environmental toxicity in water samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 637, 128277.   | 2.3 | 7         |
| 708 | Hybrid ternary nanocomposite of N-doped carbon quantum dots@SnO <sub>2</sub> /multiwall carbon nanotubes: A robust and sensitive electrocatalyst for the detection of antineoplastic agent gallic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128544.   | 2.3 | 7         |
| 709 | Synthesis of nickel-doped ceria nanospheres for in situ profiling of Warfarin sodium in biological media. <i>Bioelectrochemistry</i> , 2022, 146, 108166.  | 2.4 | 7         |
| 710 | Synthesis of Flower-Like Iron Oxide Capped Tripolyphosphate for Electrochemical Detection of Carbadox Drugs in Meat. <i>Journal of the Electrochemical Society</i> , 2019, 166, B555-B561.   | 1.3 | 6         |
| 711 | Sonochemical synthesis of novel thermo-responsive polymer and tungsten dioxide composite for the temperature-controlled reversible on-off electrochemical detection of $\beta$ -Blocker metoprolol. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 105008.   | 3.8 | 6         |
| 712 | Sonochemical preparation of carbon nanosheets supporting cuprous oxide architecture for high performance and non-enzymatic electrochemical sensor in biological samples. <i>Ultrasonics Sonochemistry</i> , 2020, 66, 105072.  | 3.8 | 6         |
| 713 | Selective electrochemical detection of antidepressant drug imipramine in blood serum and urine samples using an antimony telluride-graphite nanofiber electrode. <i>Mikrochimica Acta</i> , 2021, 188, 60.   | 2.5 | 6         |
| 714 | Dual-mode electrochemical evaluation of 8-hydroxy-5-nitroquinoline in industrial sewage. <i>Surfaces and Interfaces</i> , 2021, 23, 101019.  | 1.5 | 6         |
| 715 | Efficient Electrocatalyst for Hydrogen Evolution Reaction based on N-rGO-MWCNT/CuAlO <sub>2</sub> Nanocomposite in Acidic Media. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 045011.  | 0.9 | 6         |
| 716 | Pr-TiO <sub>2</sub> Decorated Functionalized-Carbon Nano Tubes for Highly Selective Detection of Tryptophan in Pharmaceutical Samples for Neurotransmitter Treatment. <i>Journal of the Electrochemical Society</i> , 2021, 168, 057532.   | 1.3 | 6         |
| 717 | Simultaneous electrochemical determination of nitroaniline and flutamide based on iron vanadate and lanthanum vanadate nanocomposite modified electrode by voltammetric technique. <i>Journal of Electroanalytical Chemistry</i> , 2021, 901, 115772.  | 1.9 | 6         |
| 718 | Fabrication of a Selective Sensor Amplification Probe Modified with Multi-Component Zn <sub>2</sub> SnO <sub>4</sub> /SnO <sub>2</sub> Heterostructured Microparticles as a Robust Electrocatalyst for Electrochemical Detection of Antibacterial Drug Secnidazole. <i>Materials</i> , 2021, 14, 6700. | 1.3 | 6         |
| 719 | 2D Bismuth nanosheet arrays as efficient alkaline hydrogen evolution electrocatalysts. <i>New Journal of Chemistry</i> , 2021, 45, 22758-22766.  | 1.4 | 6         |
| 720 | Protein-assisted biomimetic synthesis of nanoscale gadolinium-integrated polypyrrole for synergetic and ultrasensitive electrochemical assays of nifedipine in biological samples. <i>Analytica Chimica Acta</i> , 2022, 1199, 339567.   | 2.6 | 6         |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 721 | 3D-nanocubes of N-doped carbon quantum dots adorned manganese oxide: A functional electrocatalyst for the sensitive detection of sulfadiazine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129141.                                | 2.3 | 6         |
| 722 | Fabrication of gadolinium zinc oxide anchored with functionalized-SWCNT planted on glassy carbon electrode: Potential detection of psychotropic drug (phenothiazine) in biotic sample. <i>Journal of Electroanalytical Chemistry</i> , 2022, 918, 116521.                  | 1.9 | 6         |
| 723 | Novel poly-L-lysine/carboxyl-group enriched graphene oxide/modified electrode preparation, characterization and applications for the electrochemical determination of meloxicam in pharmaceutical tablets and blood serum. <i>Analytical Methods</i> , 2014, 6, 8426-8434. | 1.3 | 5         |
| 724 | Preparation, Characterization, and Bioelectrocatalytic Properties of Hemoglobin Incorporated Multiwalled Carbon Nanotubes-Poly-L-lysine Composite Film Modified Electrodes Towards Bromate. <i>Electroanalysis</i> , 2014, 26, 996-1003.                                   | 1.5 | 5         |
| 725 | A highly sensitive persulfate sensor based on a hybrid nanocomposite with silicomolybdate doping poly(3,4-ethylenedioxythiophene) on multi-walled carbon nanotubes. <i>RSC Advances</i> , 2015, 5, 59946-59952.  | 1.7 | 5         |
| 726 | Highly Sensitive Amperometric Sensor for the Determination of Glucose at Histidine Stabilized Copper Nanospheres Decorated Multi-Walled Carbon Nanotubes. <i>International Journal of Electrochemical Science</i> , 2016, 11, 5416-5426.                                   | 0.5 | 5         |
| 727 | Facile Synthesis of Graphene/Cobalt Oxide Nanohexagons for the Selective Detection of Dopamine. <i>Electroanalysis</i> , 2017, 29, 923-928.  | 1.5 | 5         |
| 728 | Elucidating $\pi$ - $\pi$ interaction-induced extension effect in sandwich phthalocyaninato compounds. <i>RSC Advances</i> , 2020, 10, 317-322.  | 1.7 | 5         |
| 729 | Sonochemical approach to the synthesis of metal tungstate/nafion composite with electrocatalytic properties and its electrochemical sensing performance. <i>Ultrasonics Sonochemistry</i> , 2020, 66, 104901.  | 3.8 | 5         |
| 730 | A disposable electrochemical sensor based on iron molybdate for the analysis of dopamine in biological samples. <i>New Journal of Chemistry</i> , 0, , .   | 1.4 | 5         |
| 731 | Temperature abetted synthesis of novel magnesium stannate nanoparticles assisted for nanomolar level detection of hazardous flavonoid in biological samples. <i>Food Chemistry</i> , 2021, 361, 130162.  | 4.2 | 5         |
| 732 | Thermoreversible Switchlike Electrocatalytic Reduction of Tizanidine Based on a Graphene Oxide Tethered Stimuli-Responsive Smart Surface Supported Pd Catalyst. <i>Analytical Chemistry</i> , 2020, 92, 8965-8973.   | 3.2 | 5         |
| 733 | A disposable electrode modified with metal orthovanadate and sulfur-reduced graphene oxide for electrochemical detection of anti-rheumatic drug. <i>New Journal of Chemistry</i> , 2021, 45, 19858-19867.  | 1.4 | 5         |
| 734 | Designing of cerium-doped bismuth vanadate nanorods/functionalized-MWCNT nanocomposite for the high toxicity of 4-cyanophenol herbicide detection in human urine sample. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 639, 128371.      | 2.3 | 5         |
| 735 | Carbon supported olivine type phosphate framework: a promising electrocatalyst for sensitive detection of dopamine. <i>RSC Advances</i> , 2018, 8, 27775-27785.  | 1.7 | 4         |
| 736 | The electrochemical determination of hazardous 4-hydroxynitrobenzene using NiS <sub>2</sub> decorated graphene oxide nanocomposite in the river water sample. <i>Microchemical Journal</i> , 2020, 153, 104502.  | 2.3 | 4         |
| 737 | Facile synthesis of Co(II)-doped cobalt oxide nanostructures: their application in the sensitive determination of the prophylactic drug furazolidone. <i>New Journal of Chemistry</i> , 2021, 45, 12738-12749.   | 1.4 | 4         |
| 738 | Synthesis of Poly-Aniline/Graphene Nano-Composite Film for the Determination of Non-Steroidal Anti-Inflammatory Drug (NSAIDs) Diclofenac in Blood Serum. <i>Science of Advanced Materials</i> , 2014, 6, 1760-1768.  | 0.1 | 4         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 739 | One-pot synthesis of antimony oxide and bismuth oxide nanocomposites for the selective electrochemical determination of the anticancer drug methotrexate in biomedical samples. <i>Ceramics International</i> , 2022, 48, 2369-2376.                                       | 2.3 | 4         |
| 740 | Synthesis of B-RGO-MWCNT/CuFeO <sub>2</sub> Composite for Efficient Hydrogen Evolution Reaction. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 111001.  | 0.9 | 4         |
| 741 | Manganese Molybdenum Oxide Micro Rods Adorned Porous Carbon Hybrid Electrocatalyst for Electrochemical Determination of Furazolidone in Environmental Fluids. <i>Catalysts</i> , 2021, 11, 1397.   | 1.6 | 4         |
| 742 | Electrochemical determination of glucose in blood serum and sweat samples by the strontium doped Co <sub>3</sub> O <sub>4</sub> . <i>Journal of Electroanalytical Chemistry</i> , 2022, 905, 115978.   | 1.9 | 4         |
| 743 | Ceria-doped zinc oxide nanorods assembled into microflower architectures as electrocatalysts for sensing of piroxicam in urine sample. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 642, 128697.  | 2.3 | 4         |
| 744 | Hexagonal plate-like NiO/ZnO for highly selective detection of antibiotic drugs in food and biological samples. <i>FlatChem</i> , 2022, 34, 100391.  | 2.8 | 4         |
| 745 | A novel ammonium zinc molybdate layered double hydroxide nanoflakes/vapor grown carbon fibers nanomaterials based electrocatalyst for the monitoring of dimetridazole drug in real samples. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108227.       | 3.3 | 4         |
| 746 | A chitosan grafted mesoporous carbon aerogel for ultra-sensitive voltammetric determination of isoniazid. <i>Mikrochimica Acta</i> , 2019, 186, 419.   | 2.5 | 3         |
| 747 | Potentiostatic oxidation of N-doped algae-derived carbon for P-nitrophenol sensitive determination. <i>Journal of Electroanalytical Chemistry</i> , 2020, 876, 114736.   | 1.9 | 3         |
| 748 | A Highly Selective Enzyme-Free Amperometric Detection of Glucose using Perovskite-Type Lanthanum Cobaltite (LaCoO <sub>3</sub> ). <i>Journal of the Electrochemical Society</i> , 2021, 168, 086501.   | 1.3 | 3         |
| 749 | Simultaneously Determination of Procaine and Catechol at Functionalized Multi-Walled Carbon Nanotube with Poly-Glutamic Acid Modified Electrode. <i>Journal of Biobased Materials and Bioenergy</i> , 2014, 8, 149-157.  | 0.1 | 3         |
| 750 | Bifunctional Nanocomposites Based on SiO <sub>2</sub> /NiS <sub>2</sub> Combination for Electrochemical Sensing and Environmental Catalysis. <i>Electroanalysis</i> , 2022, 34, 111-121.   | 1.5 | 3         |
| 751 | The design of praseodymium galena nanospheres: An effective photocatalyst for the remediation of carcinogenic phenothiazine and chromium contaminants. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 165, 110660.  | 1.9 | 3         |
| 752 | A highly sensitive methanol sensor using amino-functionalized multi-walled carbon nanotubes as templates to load nickel and copper nanoparticles. <i>Analytical Methods</i> , 2013, 5, 6722.   | 1.3 | 2         |
| 753 | Comparative analysis of cp genome of <i>Fagonia indica</i> growing in desert and its implications in pattern of similarity and variations. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 229-232.  | 1.8 | 2         |
| 754 | Engineering Layered Nanostructures of Two-Dimensional Transition Metal Dichalcogenides with CeO <sub>2</sub> for Nano-Level Detection of Promethazine Hydrochloride. <i>Journal of the Electrochemical Society</i> , 2021, 168, 077503.                                    | 1.3 | 2         |
| 755 | In-situ synthesis of bimetallic chalcogenide SrS/Bi <sub>2</sub> S <sub>3</sub> nanocomposites as an efficient electrocatalyst for the selective voltammetric sensing of maleic hydrazide herbicide. <i>Chemical Engineering Research and Design</i> , 2022, 165, 151-160. | 2.7 | 2         |
| 756 | Ultrasonic-assisted synthesis of nickel tungstate nanoparticles on poly (3,4-ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (dioxy Materials Today Communications, 2021, 26, 101833.   | 0.9 | 1         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 757 | Ultrasound assisted synthesis of silver titanate for the differential pulse voltammetric determination of antibiotic drug metronidazole. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 134, 114865. | 1.3 | 1         |
| 758 | Facile Hydrothermal Synthesis of Tin Doped Copper Bismuthate for the Real Time Electrochemical Determination of Chloramphenicol in Real Samples. <i>Journal of the Electrochemical Society</i> , 2022, 169, 057506.        | 1.3 | 1         |
| 759 | Bionanotechnology approach for FAD-dependent enzymes with nanomaterials sensor. <i>Saudi Journal of Biological Sciences</i> , 2012, 19, 465-471.   | 1.8 | 0         |