

Shen-ming Chen

List of Publications by Year in descending order

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767
papers

28,627
citations

8749

75
h-index

24232

110
g-index

769
all docs

769
docs citations

769
times ranked

19646
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | A Single-Atom Nanozyme for Wound Disinfection Applications. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4911-4916. | 7.2 | 607 |
| 2 | A Review on the Electrochemical Sensors and Biosensors Composed of Nanowires as Sensing Material. <i>Sensors</i> , 2008, 8, 290-313. | 2.1 | 425 |
| 3 | 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 |
| 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 | Performing enzyme-free H ₂ O ₂ 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 |
| 6 | Honeycomb-like Porous Carbon-Cobalt Oxide Nanocomposite for High-Performance Enzymeless Glucose Sensor and Supercapacitor Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15812-15820. | 4.0 | 216 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 & Interfaces</i> , 2017, 9, 6547-6559. | 4.0 | 170 |
| 12 | 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 |
| 13 | Palladium Nanoparticle Incorporated Porous Activated Carbon: Electrochemical Detection of Toxic Metal Ions. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1319-1326. | 4.0 | 164 |
| 14 | Solvent-free mechanochemical synthesis of graphene oxide and Fe ₃ O ₄ -reduced graphene oxide nanocomposites for sensitive detection of nitrite. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15529-15539. | 5.2 | 163 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | Fabrication of potato-like silver molybdate microstructures for photocatalytic degradation of chronic toxicity ciprofloxacin and highly selective electrochemical detection of H ₂ O ₂ . <i>Scientific Reports</i> , 2016, 6, 34149. | 1.6 | 134 |
| 24 | 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 |
| 25 | 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 |
| 26 | Modern Approach to the Synthesis of Ni(OH) ₂ Decorated Sulfur Doped Carbon Nanoparticles for the Nonenzymatic Glucose Sensor. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22545-22553. | 4.0 | 126 |
| 27 | Manganese doped Co ₃ O ₄ mesoporous nanoneedle array for long cycle-stable supercapacitors. <i>Applied Surface Science</i> , 2019, 469, 941-950. | 3.1 | 124 |
| 28 | Electroanalysis of NADH Using Conducting and Redox Active Polymer/Carbon Nanotubes Modified Electrodes-A Review. <i>Sensors</i> , 2008, 8, 739-766. | 2.1 | 123 |
| 29 | 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 |
| 30 | 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 |
| 31 | Construction of novel Pd/CeO ₂ /g-C ₃ N ₄ 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 |
| 32 | Nickel Nanoparticle-Decorated Porous Carbons for Highly Active Catalytic Reduction of Organic Dyes and Sensitive Detection of Hg(II) Ions. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24810-24821. | 4.0 | 120 |
| 33 | In situ synthesis of Ag ₃ PO ₄ /C ₃ N ₅ Z-scheme heterojunctions with enhanced visible-light-responsive photocatalytic performance for antibiotics removal. <i>Science of the Total Environment</i> , 2021, 754, 141926. | 3.9 | 119 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | 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 |
| 38 | Innovative Strategy Based on a Novel Carbon-Black [®] -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 |
| 39 | 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 |
| 40 | Hierarchical CdIn ₂ S ₄ microspheres wrapped by mesoporous g-C ₃ N ₄ ultrathin nanosheets with enhanced visible light driven photocatalytic reduction activity. <i>Journal of Hazardous Materials</i> , 2016, 320, 529-538. | 6.5 | 102 |
| 41 | Green synthesis of reduced graphene oxide supported TiO ₂ /Co ₃ O ₄ nanocomposite for photocatalytic degradation of methylene blue and crystal violet. <i>Ceramics International</i> , 2019, 45, 12926-12933. | 2.3 | 102 |
| 42 | Electrochemical detection of 4-nitrophenol based on biomass derived activated carbons. <i>Analytical Methods</i> , 2014, 6, 5274. | 1.3 | 101 |
| 43 | 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 |
| 44 | 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 |
| 45 | Environmentally friendly synthesis of CeO ₂ 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | A Single-Atom Nanozyme for Wound Disinfection Applications. <i>Angewandte Chemie</i> , 2019, 131, 4965-4970. | 1.6 | 94 |
| 53 | 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 |
| 54 | 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 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | Oxygen vacancy mediated single unit cell Bi ₂ WO ₆ by Ti doping for ameliorated photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 276-291. | 5.0 | 88 |
| 58 | 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 |
| 59 | Synthesis and characterization of polypyrrole decorated graphene@ β -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 |
| 60 | Simplistic synthesis of ultrafine CoMnO ₃ 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 |
| 61 | 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 |
| 62 | Electrochemically synthesized Pt@MnO ₂ composite particles for simultaneous determination of catechol and hydroquinone. <i>Sensors and Actuators B: Chemical</i> , 2012, 169, 235-242. | 4.0 | 83 |
| 63 | Graphene oxide encapsulated 3D porous chalcopyrite (CuFeS ₂) 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 |
| 64 | 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 |
| 65 | Bimetallic vanadium cobalt diselenide nanosheets with additional active sites for excellent asymmetric pseudocapacitive performance: comparing the electrochemical performances with CoSe ₂ (M = Zn, Mn, and Cu). <i>Journal of Materials Chemistry A</i> , 2019, 7, 12565-12581. | 5.2 | 81 |
| 66 | A facile graphene oxide based sensor for electrochemical detection of prostate anti-cancer (anti-testosterone) drug flutamide in biological samples. <i>RSC Advances</i> , 2017, 7, 25702-25709. | 1.7 | 80 |
| 67 | 3D Flower-Like Gadolinium Molybdate Catalyst for Efficient Detection and Degradation of Organophosphate Pesticide (Fenitrothion). <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15652-15664. | 4.0 | 80 |
| 68 | A new electrochemical sensor for highly sensitive and selective detection of nitrite in food samples based on sonochemical synthesized Calcium Ferrite (CaFe ₂ O ₄) clusters modified screen printed carbon electrode. <i>Journal of Colloid and Interface Science</i> , 2018, 524, 417-426. | 5.0 | 80 |
| 69 | Detection of Pesticide Residues (Fenitrothion) in Fruit Samples Based On Niobium Carbide@Molybdenum Nanocomposite: An Electrocatalytic Approach. <i>Analytica Chimica Acta</i> , 2018, 1030, 52-60. | 2.6 | 80 |
| 70 | Simultaneous determination of catechol and hydroquinone using a Pt/ZrO ₂ -RGO/GCE composite modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2014, 125, 503-509. | 2.6 | 79 |
| 71 | Highly stable and active palladium nanoparticles supported on porous carbon for practical catalytic applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16015-16022. | 5.2 | 79 |
| 72 | Determination of 4-nitrophenol in water by use of a screen-printed carbon electrode modified with chitosan-crafted ZnO nanoneedles. <i>Journal of Colloid and Interface Science</i> , 2017, 499, 83-92. | 5.0 | 79 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Functional porous carbon@ZnO nanocomposites for high-performance biosensors and energy storage applications. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16466-16475. | 1.3 | 78 |
| 74 | Nanomolar electrochemical detection of caffeic acid in fortified wine samples based on gold/palladium nanoparticles decorated graphene flakes. <i>Journal of Colloid and Interface Science</i> , 2017, 501, 77-85. | 5.0 | 78 |
| 75 | 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. <i>Composites Part B: Engineering</i> , 2019, 162, 33-42. | 5.9 | 78 |
| 76 | Synthesis and characterization of bimetallic nickel-cobalt chalcogenides (NiCoSe ₂ , NiCo ₂ S ₄ , and) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 properties dependence on the metal-to-chalcogen composition. <i>Renewable Energy</i> , 2019, 138, 139-151. | 4.3 | 77 |
| 77 | Praseodymium Vanadate-Decorated Sulfur-Doped Carbon Nitride Hybrid Nanocomposite: The Role of a Synergistic Electrocatalyst for the Detection of Metronidazole. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7893-7905. | 4.0 | 77 |
| 78 | Preparation and characterization of gold nanoparticles decorated on graphene oxide@polydopamine composite: Application for sensitive and low potential detection of catechol. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 298-306. | 4.0 | 76 |
| 79 | Facile Solvothermal Preparation of Mn ₂ CuO ₄ Microspheres: Excellent Electrocatalyst for Real-Time Detection of H ₂ O ₂ Released from Live Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43543-43551. | 4.0 | 76 |
| 80 | Design of novel 3D flower-like neodymium molybdate: An efficient and challenging catalyst for sensing and destroying pulmonary toxicity antibiotic drug nitrofurantoin. <i>Chemical Engineering Journal</i> , 2018, 346, 11-23. | 6.6 | 75 |
| 81 | Robust and selective electrochemical detection of antibiotic residues: The case of integrated lutetium vanadate/graphene sheets architectures. <i>Journal of Hazardous Materials</i> , 2020, 384, 121304. | 6.5 | 75 |
| 82 | Palladium nanoparticles decorated on activated fullerene modified screen printed carbon electrode for enhanced electrochemical sensing of dopamine. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 251-256. | 5.0 | 74 |
| 83 | Amperometric determination of H ₂ O ₂ at nano-TiO ₂ /DNA/thionin nanocomposite modified electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 66, 266-273. | 2.5 | 73 |
| 84 | 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 |
| 85 | 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 |
| 86 | 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 |
| 87 | In Situ Synthesis, Characterization, and Catalytic Performance of Polypyrrole Polymer-Incorporated Ag ₂ MoO ₄ Nanocomposite for Detection and Degradation of Environmental Pollutants and Pharmaceutical Drugs. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38321-38335. | 4.0 | 71 |
| 88 | 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 |
| 89 | 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 |
| 90 | Low-Temperature Chemical Synthesis of CoWO ₄ Nanospheres for Sensitive Nonenzymatic Glucose Sensor. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17024-17028. | 1.5 | 69 |

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|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | Two-dimensional metal chalcogenides analogous NiSe ₂ nanosheets and its efficient electrocatalytic performance towards glucose sensing. <i>Journal of Colloid and Interface Science</i> , 2017, 507, 378-385. | 5.0 | 69 |
| 92 | Sonochemical synthesis of molybdenum oxide (MoO ₃) microspheres anchored graphitic carbon nitride (g-C ₃ N ₄) ultrathin sheets for enhanced electrochemical sensing of Furazolidone. <i>Ultrasonics Sonochemistry</i> , 2019, 50, 96-104. | 3.8 | 69 |
| 93 | Direct electrochemistry of cytochrome c immobilized on a graphene oxide/carbon nanotube composite for picomolar detection of hydrogen peroxide. <i>RSC Advances</i> , 2014, 4, 28229-28237. | 1.7 | 68 |
| 94 | A high performance quasi-solid-state supercapacitor based on CuMnO ₂ nanoparticles. <i>Journal of Power Sources</i> , 2017, 355, 53-61. | 4.0 | 68 |
| 95 | 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 |
| 96 | Microwave-assisted synthesis of Bi ₂ WO ₆ 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 |
| 97 | Silver Nanograins Incorporated PEDOT Modified Electrode for Electrocatalytic Sensing of Hydrogen Peroxide. <i>Electroanalysis</i> , 2009, 21, 1419-1423. | 1.5 | 67 |
| 98 | A novel amperometric nitrite sensor based on screen printed carbon electrode modified with graphite/β-cyclodextrin composite. <i>Journal of Electroanalytical Chemistry</i> , 2016, 760, 97-104. | 1.9 | 67 |
| 99 | Screen-printed electrode modified with a composite prepared from graphene oxide nanosheets and Mn ₃ O ₄ microcubes for ultrasensitive determination of nitrite. <i>Mikrochimica Acta</i> , 2017, 184, 3625-3634. | 2.5 | 67 |
| 100 | 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 |
| 101 | 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 |
| 102 | Hydrothermal synthesis of NiWO ₄ crystals for high performance non-enzymatic glucose biosensors. <i>Scientific Reports</i> , 2016, 6, 24128. | 1.6 | 66 |
| 103 | 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 |
| 104 | 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 |
| 105 | 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 |
| 106 | Rational Design for the Synthesis of Europium Vanadate-Encapsulated Graphene Oxide Nanocomposite: An Excellent and Efficient Catalyst for the Electrochemical Detection of Cloiquinol. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4136-4146. | 3.2 | 66 |
| 107 | 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 |
| 108 | Preparation of highly stable fullerene C ₆₀ 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 |

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|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | 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 |
| 110 | Hierarchical mesoporous NiCoP hollow nanocubes as efficient and stable electrodes for high-performance hybrid supercapacitor. <i>Applied Surface Science</i> , 2021, 536, 147751. | 3.1 | 65 |
| 111 | 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 |
| 112 | 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 |
| 113 | A novel yet simple strategy to fabricate visible light responsive C ₂ N-TiO ₂ /g-C ₃ N ₄ heterostructures with significantly enhanced photocatalytic hydrogen generation. <i>RSC Advances</i> , 2015, 5, 101214-101220. | 1.7 | 63 |
| 114 | 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 |
| 115 | Determination of oxidative stress biomarker 3-nitro-l-tyrosine using CdWO ₄ nanodots decorated reduced graphene oxide. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 274-281. | 4.0 | 62 |
| 116 | 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 |
| 117 | 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 |
| 118 | Entrapment of bimetallic CoFeSe ₂ 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 |
| 119 | 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 |
| 120 | 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 |
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