

Mohammed M Rahman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8508925/publications.pdf>

Version: 2024-02-01

463
papers

18,939
citations

13068

68
h-index

24915

109
g-index

470
all docs

470
docs citations

470
times ranked

11802
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Heavy metals contamination and associated health risks in food webs—a review focuses on food safety and environmental sustainability in Bangladesh. <i>Environmental Science and Pollution Research</i> , 2022, 29, 3230-3245. | 2.7 | 49 |
| 2 | Sensitive detection of Penicillin-G chemical using SnO ₂ .YbO nanomaterials by electrochemical approach. <i>Journal of Saudi Chemical Society</i> , 2022, 26, 101392. | 2.4 | 3 |
| 3 | Studies of methanol electro-oxidation with ternary wet-chemically prepared ZCSO hexagonal nanodiscs with electrochemical approach. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 106, 503-511. | 2.9 | 4 |
| 4 | Selective 1,4-dioxane chemical sensor development with doped ZnO/GO nanocomposites by electrochemical approach. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 4360-4374. | 1.1 | 5 |
| 5 | Erosion characteristics of stainless steels under different percentage of SiC- Al ₂ O ₃ -Fe ₂ O ₃ solid particles. <i>Tribology International</i> , 2022, 167, 107403. | 3.0 | 12 |
| 6 | Facile fabrication of GCE/Nafion/Ni composite, a robust platform to detect hydrogen peroxide in basic medium via oxidation reaction. <i>Talanta</i> , 2022, 240, 123202. | 2.9 | 15 |
| 7 | Modeling Fracture Formation, Behavior and Mechanics of Polymeric Materials: A Biomedical Implant Perspective. <i>Journal of Composites Science</i> , 2022, 6, 31. | 1.4 | 7 |
| 8 | Development of a L-cysteine Sensor Based on Thallium Oxide Coupled Multi-walled Carbon Nanotube Nanocomposites with Electrochemical Approach. <i>Chemistry - an Asian Journal</i> , 2022, 17, . | 1.7 | 7 |
| 9 | Ultraviolet and Infrared Irradiations Sensing of Gel-Orange Dye Composite-Based Flexible Electrochemical Cells. <i>Gels</i> , 2022, 8, 83. | 2.1 | 1 |
| 10 | Effect of Humidity and Temperature on the Impedances and Voltage of Al/Gr-Jelly/Cu-Rubber Composite-Based Flexible Electrochemical Sensors. <i>Gels</i> , 2022, 8, 73. | 2.1 | 3 |
| 11 | Biomass Lignin Integrated Polymeric Carbon Nitride for Boosted Photocatalytic Hydrogen and Oxygen Evolution Reactions. <i>Molecular Catalysis</i> , 2022, 518, 112064. | 1.0 | 23 |
| 12 | Catalytic Reduction of Environmental Pollutants with Biopolymer Hydrogel Cross-Linked Gelatin Conjugated Tin-Doped Gadolinium Oxide Nanocomposites. <i>Gels</i> , 2022, 8, 86. | 2.1 | 8 |
| 13 | Statistical Optimization and Modeling Approach for Fenton-like Discoloration of Methyl Orange using Green Zero-valent Iron Nanoparticle Catalysts. <i>ChemistrySelect</i> , 2022, 7, . | 0.7 | 1 |
| 14 | Electrocatalytic oxidation of catechol using IrOx-ITO electrode in aqueous medium. <i>Journal of Electroanalytical Chemistry</i> , 2022, 907, 116031. | 1.9 | 7 |
| 15 | Sunlight assisted photocatalytic dye degradation using zinc and iron based mixed metal-oxides nanopowders. <i>Journal of King Saud University - Science</i> , 2022, 34, 101841. | 1.6 | 8 |
| 16 | Ultra-sensitive, selective, and rapid carcinogenic 1,2-diaminobenzene chemical determination using sol-gel coating low-dimensional facile CuS modified-CNT nanocomposites by electrochemical approach. <i>Microchemical Journal</i> , 2022, 175, 107230. | 2.3 | 10 |
| 17 | Metal-Organic Frameworks Derived Electrocatalysts for Oxygen and Carbon Dioxide Reduction Reaction. <i>Chemical Record</i> , 2022, 22, e202100329. | 2.9 | 26 |
| 18 | Ultra-sensitive, selective and rapid carcinogenic Bisphenol A contaminant determination using low-dimensional facile binary Mg-SnO ₂ doped microcube by potential electro-analytical technique for the safety of environment. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 109, 147-154. | 2.9 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Recent Development in Metallic Nanoparticles for Breast Cancer Therapy and Diagnosis. Chemical Record, 2022, 22, e202100331. | 2.9 | 13 |
| 20 | Recent Advancement of the Current Aspects of $\text{g}\hat{\text{C}}\text{C}^{\text{3}}\text{N}^{\text{4}}$ for its Photocatalytic Applications in Sustainable Energy System. Chemical Record, 2022, 22, e202100310. | 2.9 | 32 |
| 21 | Piezoelectric ceramics: Advanced applications in electrochemical and electronic fields. , 2022, , 167-179. | | 0 |
| 22 | Synthesis, Characterization and Bio-Potential Activities of Co(II) and Ni(II) Complexes with O and N Donor Mixed Ligands. Crystals, 2022, 12, 326. | 1.0 | 5 |
| 23 | Nanostructured Carbons: Towards Soft Bioelectronics, Biosensing and Therapeutic Applications. Chemical Record, 2022, 22, e202100319. | 2.9 | 7 |
| 24 | Development of 4-aminophenol sensor probe based on $\text{Co}(\text{0.8-x})\text{ZrxNa0.2Fe2O4}$ nanocomposites for monitoring environmental toxins. Emergent Materials, 2022, 5, 431-443. | 3.2 | 2 |
| 25 | Comprehensive Studies of Different Cancer Diseases among Less-Developed Countries. Healthcare (Switzerland), 2022, 10, 424. | 1.0 | 4 |
| 26 | Mixed Micellization, Thermodynamic and Adsorption Behavior of Tetracaine Hydrochloride in the Presence of Cationic Gemini/Conventional Surfactants. Gels, 2022, 8, 128. | 2.1 | 7 |
| 27 | Sol-Gel Synthesis and Characterization of Highly Selective Poly(N-methyl pyrrole) Stannous(II) Tungstate Nano Composite for Mercury (Hg(II)) Detection. Crystals, 2022, 12, 371. | 1.0 | 3 |
| 28 | Effect of Vibrations, Displacement, Pressure, Temperature and Humidity on the Resistance and Impedance of the Shockproof Resistors Based on Rubber and Jelly (NiPcCNT Oil) Composites. Gels, 2022, 8, 226. | 2.1 | 0 |
| 29 | Glassy Carbon Electrodes Decorated with HgO/CNT Nanocomposite and Modified with a Conducting Polymer Matrix for Enzyme-Free Ascorbic Acid Detection. ChemistrySelect, 2022, 7, . | 0.7 | 2 |
| 30 | Optimisation and Stability of Rh Particles on Noble Metal Films Immobilised on $\text{H}^{\text{+}}$ Conducting Solid Polymer Electrolyte in Attaining Efficient Nitrate Removal. Chemistry - an Asian Journal, 2022, 17, e202200150. | 1.7 | 5 |
| 31 | Synthesis, characterization, In-silico and In-vitro investigation of sulfonamide based esters. Journal of Molecular Structure, 2022, 1259, 132711. | 1.8 | 0 |
| 32 | Recent Advances in Synthesis and Applications of Single-Atom Catalysts for Rechargeable Batteries. Chemical Record, 2022, 22, . | 2.9 | 14 |
| 33 | Physical, thermal, and mechanical properties of $\text{Al}_2\text{O}_3/\text{SiO}_2$ infused jute/glass fiber resin composite materials in relation to viscosity. Polymer Composites, 2022, 43, 3971-3982. | 2.3 | 9 |
| 34 | Improvement of Mechanical, Thermal, and Physical Behaviors of Jute/Cotton Biocomposites Reinforced by Spent Tea Leaf Particles. Journal of Composites Science, 2022, 6, 145. | 1.4 | 1 |
| 35 | Investigation on In Situ Carbon-Coated ZnFe_2O_4 as Advanced Anode Material for Li-Ion Batteries. Gels, 2022, 8, 305. | 2.1 | 1 |
| 36 | Energy Harvesting by Mesoporous Reduced Graphene Oxide Enhanced the Mediator-Free Glucose-Powered Enzymatic Biofuel Cell for Biomedical Applications. ACS Applied Materials & Interfaces, 2022, 14, 24229-24244. | 4.0 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Development of 4-aminophenol sensor based on Co-MoS ₂ nanomaterials decorated on glassy carbon electrode using electrochemical technique. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 282, 115778. | 1.7 | 6 |
| 38 | An Efficient Enzyme-Less Uric Acid Sensor Development Based on PbO-Doped NiO Nanocomposites. <i>Biosensors</i> , 2022, 12, 381. | 2.3 | 2 |
| 39 | Detection of L-Aspartic Acid with Ag-Doped ZnO Nanosheets Using Differential Pulse Voltammetry. <i>Biosensors</i> , 2022, 12, 379. | 2.3 | 9 |
| 40 | Detection of Acetylcholine in an Enzyme-Free System Based on a GCE/V ₂ O ₅ NRs/BPM Modified Sensor. <i>ChemistrySelect</i> , 2022, 7, . | 0.7 | 1 |
| 41 | Mapping the Progress in Natural Dye-Sensitized Solar Cells: Materials, Parameters and Durability. <i>ChemistrySelect</i> , 2022, 7, . | 0.7 | 5 |
| 42 | Fabrication of highly sensitive 4-Nitrophenol sensor and photocatalytic performance of multifunctional Ba _{0.5} Sr _{0.5} CoxHfxFe _{12-2x} O ₁₉ Ferrite. <i>Materials Chemistry and Physics</i> , 2022, 288, 126396. | 2.0 | 5 |
| 43 | Electrocatalysis of 2,6-Dinitrophenol Based on Wet-Chemically Synthesized PbO-ZnO Microstructures. <i>Catalysts</i> , 2022, 12, 727. | 1.6 | 3 |
| 44 | UV-blocking cotton fabric design for comfortable summer wears: factors, durability and nanomaterials. <i>Cellulose</i> , 2022, 29, 7555-7585. | 2.4 | 18 |
| 45 | Electrocatalytic oxidation of ascorbic acid in the basic medium over electrochemically functionalized glassy carbon surface. <i>Surfaces and Interfaces</i> , 2022, 33, 102200. | 1.5 | 6 |
| 46 | rGO-diaminobutane surfaces with optimized N doping and hydrodynamics as dual proton-electron conductors and carbon photocatalysts. <i>New Journal of Chemistry</i> , 2021, 45, 383-393. | 1.4 | 7 |
| 47 | Efficient electro-chemical sensor for sensitive Cd ²⁺ detection based on novel in-situ synthesized hydrazoneyl bromide (HB). <i>Journal of Molecular Structure</i> , 2021, 1231, 129690. | 1.8 | 11 |
| 48 | Photocatalytic, anti-bacterial performance and development of 2,4-diaminophenylhydrazine chemical sensor probe based on ternary doped Ag ₃ SrSnO ₃ nanorods. <i>New Journal of Chemistry</i> , 2021, 45, 1634-1650. | 1.4 | 5 |
| 49 | A reliable electrochemical approach for detection of testosterone with CuO-doped CeO ₂ nanocomposites-coated glassy carbon electrode. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 5259-5273. | 1.1 | 10 |
| 50 | Photocatalytic performance, anti-bacterial activities and 3-chlorophenol sensor fabrication using MnAl ₂ O ₄ ·ZnAl ₂ O ₄ nanomaterials. <i>Nanoscale Advances</i> , 2021, 3, 5872-5889. | 2.2 | 8 |
| 51 | An enzyme free simultaneous detection of ¹³ C-amino-butyric acid and testosterone based on copper oxide nanoparticles. <i>RSC Advances</i> , 2021, 11, 20794-20805. | 1.7 | 7 |
| 52 | Water-stable metal-organic framework for environmental remediation. , 2021, , 585-621. | | 3 |
| 53 | Nanoagriculture: A Holistic Approach for Sustainable Development of Agriculture. , 2021, , 2587-2602. | | 1 |
| 54 | Metal-Organic Framework-Derived Catalysts for Zn-Air Batteries. , 2021, , 2475-2489. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | A reliable electrochemical sensor developed based on ZnO/SnO ₂ , nanoparticles modified glassy carbon electrode. <i>Advances in Biochips</i> , 2021, 2, 24-34. | 0.5 | 2 |
| 56 | Development of a 4-Nitrophenylhydrazine Sensor Based on MgTi ₂ O ₄ ·TiO ₂ ·Zn ₂ TiO ₄ Nanomaterials. <i>ChemistrySelect</i> , 2021, 6, 323-331. | 0.7 | 0 |
| 57 | Rapid and sensitive detection of selective 1,2-diaminobenzene based on facile hydrothermally prepared doped Co ₃ O ₄ /Yb ₂ O ₃ nanoparticles. <i>PLoS ONE</i> , 2021, 16, e0246756. | 1.1 | 1 |
| 58 | Environmental Contamination, Toxicology, and Safety by Nanocatalysts. <i>Current Analytical Chemistry</i> , 2021, 17, 124-125. | 0.6 | 0 |
| 59 | Structure based pharmacophore modeling, virtual screening, molecular docking and ADMET approaches for identification of natural anti-cancer agents targeting XIAP protein. <i>Scientific Reports</i> , 2021, 11, 4049. | 1.6 | 115 |
| 60 | Engineering tunable conductivity, p-n junction and light-harvesting semi-conductivity of graphene oxide by fixing reduction mood only. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 120, 325-335. | 2.7 | 6 |
| 61 | Electric properties of flexible rubber-based CNT/CNT-OD/Al cells fabricated by rubbing-in technology. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1. | 1.1 | 6 |
| 62 | In-situ phenylhydrazine chemical detection based on facile Zr-doped MoS ₂ nanocomposites (NCs) for environmental safety. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 120, 267-277. | 2.7 | 10 |
| 63 | Synthesis, structural analysis, electrochemical and antimicrobial activities of copper magnesium zirconosilicate (Cu ₂₀ Mg ₁₀ Si ₄₀ Zr _(30-x) O _(x=0,5,7,10) Ni ₂₊) nanocrystals. <i>Microchemical Journal</i> , 2021, 163, 105881. | 2.3 | 25 |
| 64 | Dye-sensitized solar cell with plasmonic gold nanoparticles modified photoanode. <i>Nano Structures Nano Objects</i> , 2021, 26, 100698. | 1.9 | 18 |
| 65 | Electrochemical Detection of 2-Nitrophenol Using a Glassy Carbon Electrode Modified with BaO Nanorods. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1475-1485. | 1.7 | 14 |
| 66 | Novel Mn-/Co-N_x Moieties Captured in N-Doped Carbon Nanotubes for Enhanced Oxygen Reduction Activity and Stability in Acidic and Alkaline Media. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23191-23200. | 4.0 | 57 |
| 67 | Recent Progress in Electrochemical Detection of Human Papillomavirus (HPV) via Graphene-Based Nanosensors. <i>Journal of Sensors</i> , 2021, 2021, 1-15. | 0.6 | 9 |
| 68 | Assessment of Melamine in Different Water Samples with ZnO-doped Co ₃ O ₄ Nanoparticles on a Glassy Carbon Electrode by Differential Pulse Voltammetry. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1820-1831. | 1.7 | 10 |
| 69 | Wet-chemically synthesis of SnO ₂ -doped Ag ₂ O nanostructured materials for sensitive detection of choline by an alternative electrochemical approach. <i>Microchemical Journal</i> , 2021, 165, 106092. | 2.3 | 16 |
| 70 | Impedimetric multifunctional Sensor Based on Rubber-CNTs-orange Dye Nanocomposite Fabricated by Rubbing-in Technology. <i>International Journal of Electrochemical Science</i> , 2021, 16, 210712. | 0.5 | 2 |
| 71 | Nanoremediation technologies for sustainable remediation of contaminated environments: Recent advances and challenges. <i>Chemosphere</i> , 2021, 275, 130065. | 4.2 | 81 |
| 72 | Electrocatalytic oxidation of ammonia in the neutral medium using Cu ₂ O·CuO film immobilized on glassy carbon surface. <i>Journal of Electroanalytical Chemistry</i> , 2021, 897, 115592. | 1.9 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 73 | Salt-assisted gas-liquid interfacial fluorine doping: Metal-free defect-induced electrocatalyst for oxygen reduction reaction. <i>Molecular Catalysis</i> , 2021, 514, 111878. | 1.0 | 14 |
| 74 | Nanocomposite Based on CNT embedded in Water Soluble Conjugated Polyelectrolyte for the Electrochemical Sensing Barium(II) ion. <i>International Journal of Electrochemical Science</i> , 2021, 16, 21092. | 0.5 | 0 |
| 75 | Fabrication of IrOx immobilized glassy carbon surface for attaining electrocatalytic ascorbic acid oxidation reactions. <i>Electrochimica Acta</i> , 2021, 392, 138999. | 2.6 | 13 |
| 76 | Fabrication of Novel and Potential Selective 4-Cyanophenol Chemical Sensor Probe Based on Cu-Doped Gd ₂ O ₃ Nanofiber Materials Modified PEDOT:PSS Polymer Mixtures with Au/ μ -Chip for Effective Monitoring of Environmental Contaminants from Various Water Samples. <i>Polymers</i> , 2021, 13, 3379. | 2.0 | 6 |
| 77 | Chemical and Mineralogical Composition Analysis of Different Nigerian Metakaolins. <i>Journal of Applied Science & Process Engineering</i> , 2021, 8, 953-964. | 0.0 | 0 |
| 78 | Bacillus-Mediated Silver Nanoparticle Synthesis and Its Antagonistic Activity against Bacterial and Fungal Pathogens. <i>Antibiotics</i> , 2021, 10, 1334. | 1.5 | 15 |
| 79 | Development of Methanol Sensor Based on Sol-Gel Drop-Coating Co ₃ O ₄ -CdO-ZnO Nanoparticles Modified Gold-Coated μ -Chip by Electro-Oxidation Process. <i>Gels</i> , 2021, 7, 235. | 2.1 | 7 |
| 80 | Sensitive Detection of Thiourea Hazardous Toxin with Sandwich-Type Nafion/CuO/ZnO Nanospikes/Glassy Carbon Composite Electrodes. <i>Polymers</i> , 2021, 13, 3998. | 2.0 | 12 |
| 81 | Design, synthesis, crystal structure, <i>in vitro</i> cytotoxicity evaluation, density functional theory calculations and docking studies of 2-(benzamido) benzohydrazide derivatives as potent AChE and BChE inhibitors. <i>RSC Advances</i> , 2021, 12, 154-167. | 1.7 | 10 |
| 82 | Cytotoxicity Study of Cadmium-Selenium Quantum Dots (CdSe QDs) for Destroying the Human HepG2 Liver Cancer Cell. <i>Journal of Biomedical Nanotechnology</i> , 2021, 17, 2153-2164. | 0.5 | 10 |
| 83 | NIR red luminescent doped Ag-(Y _{0.95} Eu _{0.05}) ₂ O ₃ nanocomposite for 3-Chlorophenol sensor probe and anti-MDR bacterial application. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106881. | 3.3 | 2 |
| 84 | Efficient Hg(II) ionic probe development based on one-step synthesized diethyl thieno[2,3-b]thiophene-2,5-dicarboxylate (DETDC2) onto glassy carbon electrode. <i>Microchemical Journal</i> , 2020, 152, 104291. | 2.3 | 66 |
| 85 | Structural, spectroscopic and nonlinear optical properties of sulfonamide derivatives; experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2020, 1202, 127393. | 1.8 | 22 |
| 86 | Optimization of an innovative composited material for effective monitoring and removal of cobalt(II) from wastewater. <i>Journal of Molecular Liquids</i> , 2020, 298, 112035. | 2.3 | 194 |
| 87 | Fabrication of hybrid PVA-PVC/SnZnO _x /SWCNTs nanocomposites as Sn ²⁺ ionic probe for environmental safety. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 642-657. | 0.6 | 8 |
| 88 | Naked-eye lead(II) capturing from contaminated water using innovative large-pore facial composite materials. <i>Microchemical Journal</i> , 2020, 154, 104585. | 2.3 | 195 |
| 89 | Electrochemical detection of 2-nitrophenol using a heterostructure ZnO/RuO ₂ nanoparticle modified glassy carbon electrode. <i>RSC Advances</i> , 2020, 10, 122-132. | 1.7 | 43 |
| 90 | Recent advances on oxygen reduction electrocatalysis: Correlating the characteristic properties of metal organic frameworks and the derived nanomaterials. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118570. | 10.8 | 147 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Enzymeless Electrocatalytic Detection of Uric Acid Using Polydopamine/Polypyrrole Copolymeric film. ChemistrySelect, 2020, 5, 156-164. | 0.7 | 48 |
| 92 | Mixed oxides CuO-NiO fabricated for selective detection of 2-Aminophenol by electrochemical approach. Journal of Materials Research and Technology, 2020, 9, 1457-1467. | 2.6 | 45 |
| 93 | Efficient formaldehyde sensor development based on Cu-codoped ZnO nanomaterial by an electrochemical approach. Sensors and Actuators B: Chemical, 2020, 305, 127541. | 4.0 | 72 |
| 94 | Ligand based sustainable composite material for sensitive nickel(II) capturing in aqueous media. Journal of Environmental Chemical Engineering, 2020, 8, 103591. | 3.3 | 161 |
| 95 | Photocatalysis, photoinduced enhanced anti-bacterial functions and development of a selective <i>m</i> -tolyl hydrazine sensor based on mixed Ag ₂ NiMn ₂ O ₄ nanomaterials. RSC Advances, 2020, 10, 30603-30619. | 1.7 | 8 |
| 96 | Development of highly efficient non-enzymatic nitrite sensor using La ₂ CuO ₄ nanoparticles. Microchemical Journal, 2020, 159, 105527. | 2.3 | 21 |
| 97 | Insights of temperature dependent catalysis and kinetics of electro-oxidation of nitrite ions on a glassy carbon electrode. Electrochimica Acta, 2020, 362, 137102. | 2.6 | 17 |
| 98 | Fabrication of selective and sensitive chemical sensor development based on flower-flake La ₂ ZnO ₄ nanocomposite for effective non-enzymatic sensing of hydrogen peroxide by electrochemical method. Microchemical Journal, 2020, 159, 105536. | 2.3 | 18 |
| 99 | Bifunctional electron conductive solid electrolyte and dye degrading photocatalyst from rGO-aminoalkane non-metallic origin. Journal of the Taiwan Institute of Chemical Engineers, 2020, 112, 87-96. | 2.7 | 8 |
| 100 | Development of L-glutamic acid biosensor with ternary ZnO/NiO/Al ₂ O ₃ nanoparticles. Journal of Luminescence, 2020, 227, 117528. | 1.5 | 21 |
| 101 | Nanocomposite cross-linked conjugated polyelectrolyte/MWCNT/poly(pyrrole) for enhanced Mg ²⁺ ion sensing and environmental remediation in real samples. Journal of Materials Research and Technology, 2020, 9, 9667-9674. | 2.6 | 11 |
| 102 | Synthesis, characterization, and crystal structure of (E)-N ¹ -(4-Bromobenzylidene)-benzenesulfonylhydrazide and its application as a sensor of chromium ion detection from environmental samples. Journal of Molecular Structure, 2020, 1207, 127810. | 1.8 | 20 |
| 103 | Fabrication of selective and sensitive chemical sensor probe based on ternary nano-formulated CuO/MnO ₂ /Gd ₂ O ₃ spikes by hydrothermal approach. Scientific Reports, 2020, 10, 20248. | 1.6 | 17 |
| 104 | Non-enzymatic simultaneous detection of acetylcholine and ascorbic acid using ZnO-CuO nanoleaves: Real sample analysis. Microchemical Journal, 2020, 159, 105534. | 2.3 | 31 |
| 105 | Development of an ultra-sensitive <i>p</i> -nitrophenol sensor using tri-metallic oxide MoO ₂ -Fe ₃ O ₄ -CuO nanocomposites. Materials Advances, 2020, 1, 2831-2839. | 2.6 | 26 |
| 106 | Preparation and evaluation of composite hybrid nanomaterials for rare-earth elements separation and recovery. Separation and Purification Technology, 2020, 253, 117515. | 3.9 | 67 |
| 107 | An enzyme free detection of L-Glutamic acid using deposited CuO.GdO nanospikes on a flat glassy carbon electrode. Surfaces and Interfaces, 2020, 20, 100617. | 1.5 | 13 |
| 108 | Fabrication of dopamine sensor based on ternary AlMn _{0.645} Cr _{1.76} O _{7.47} nanoparticles. Materials Chemistry and Physics, 2020, 244, 122740. | 2.0 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Fabrication of ascorbic sensor acid with Co ₃ O ₄ .Fe ₂ O ₃ nanosphere materials by electrochemical technique. <i>Surfaces and Interfaces</i> , 2020, 20, 100607. | 1.5 | 12 |
| 110 | Fabrication of a hydrazine chemical sensor based on facile synthesis of doped NZO nanostructure materials. <i>New Journal of Chemistry</i> , 2020, 44, 13018-13029. | 1.4 | 25 |
| 111 | Detection of thiourea with ternary Ag ₂ O/TiO ₂ /ZrO ₂ nanoparticles by electrochemical approach. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 15422-15433. | 1.1 | 6 |
| 112 | Heterogeneous Kinetics of Thiourea Electro-catalytic Oxidation Reactions on Palladium Surface in Aqueous Medium. <i>Chemistry - an Asian Journal</i> , 2020, 15, 4327-4338. | 1.7 | 11 |
| 113 | A reliable alternative approach for the ultra-sensitive detection of l-glutathione with wet chemically synthesized Co ₃ O ₄ -doped SnO ₂ nanoparticles decorated on a glassy carbon electrode. <i>New Journal of Chemistry</i> , 2020, 44, 16020-16030. | 1.4 | 10 |
| 114 | A novel highly selective electrochemical chlorobenzene sensor based on ternary oxide RuO ₂ /ZnO/TiO ₂ nanocomposites. <i>RSC Advances</i> , 2020, 10, 32532-32547. | 1.7 | 19 |
| 115 | Facile SrO nanorods: an efficient and alternate detection approach for the selective removal of 4-aminophenol towards environmental safety. <i>New Journal of Chemistry</i> , 2020, 44, 15507-15514. | 1.4 | 6 |
| 116 | An Electrochemical Approach for the Selective Detection of Cancer Metabolic Creatine Biomarker with Porous Nano-Formulated CMNO Materials Decorated Glassy Carbon Electrode. <i>Sensors</i> , 2020, 20, 7060. | 2.1 | 3 |
| 117 | An alternative electrochemical approach for toluene detection with ZnO/MgO/Cr ₂ O ₃ nanofibers on a glassy carbon electrode for environmental monitoring. <i>RSC Advances</i> , 2020, 10, 44641-44653. | 1.7 | 10 |
| 118 | Selective detection of ascorbic acid with wet-chemically prepared CdO/SnO ₂ /V ₂ O ₅ micro-sheets by electrochemical approach. <i>SN Applied Sciences</i> , 2020, 2, 1. | 1.5 | 9 |
| 119 | Enzyme-free detection of uric acid using hydrothermally prepared CuO-Fe ₂ O ₃ nanocrystals. <i>New Journal of Chemistry</i> , 2020, 44, 19581-19590. | 1.4 | 15 |
| 120 | Assessment of environmentally unsafe pollutants using facile wet-chemically prepared CeO ₂ -ZrO ₂ nanocomposites by the electrochemical approach. <i>New Journal of Chemistry</i> , 2020, 44, 20285-20293. | 1.4 | 4 |
| 121 | Selective Hg ²⁺ sensor performance based various carbon-nanofillers into CuO-PMMA nanocomposites. <i>Polymers for Advanced Technologies</i> , 2020, 31, 1946-1962. | 1.6 | 17 |
| 122 | A non-enzymatic electrochemical approach for l-lactic acid sensor development based on CuO-MWCNT nanocomposites modified with a Nafion matrix. <i>New Journal of Chemistry</i> , 2020, 44, 9775-9787. | 1.4 | 24 |
| 123 | The fabrication of a chemical sensor with PANI-TiO ₂ nanocomposites. <i>RSC Advances</i> , 2020, 10, 12224-12233. | 1.7 | 23 |
| 124 | Simultaneous detection of l-aspartic acid and glycine using wet-chemically prepared Fe ₃ O ₄ @ZnO nanoparticles: real sample analysis. <i>RSC Advances</i> , 2020, 10, 19276-19289. | 1.7 | 18 |
| 125 | Fabrication of sensitive D-fructose sensor based on facile ternary mixed ZnO/CdO/SnO ₂ nanocomposites by electrochemical approach. <i>Surfaces and Interfaces</i> , 2020, 19, 100540. | 1.5 | 12 |
| 126 | Influence of Additives and Temperature on the Interaction of Acid Red 151 Dye with Cetyltrimethylammonium Bromide: A Conductometric Study. <i>Journal of Surfactants and Detergents</i> , 2020, 23, 903. | 1.0 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Photocatalysis, enhanced anti-bacterial performance and discerning thiourea sensing of Ag ₂ O-SnO ₂ -TiO ₂ hetero-structure. Journal of Environmental Chemical Engineering, 2020, 8, 104051. | 3.3 | 26 |
| 128 | Selective and sensitive 4-Aminophenol chemical sensor development based on low-dimensional Ge-doped ZnO nanocomposites by electrochemical method. Microchemical Journal, 2020, 157, 104945. | 2.3 | 21 |
| 129 | The Performance of Various SWCNT Loading into CuO-PMMA Nanocomposites Towards the Detection of Mn ²⁺ Ions. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 5024-5041. | 1.9 | 12 |
| 130 | Fabrication of an ultra-sensitive <i>para</i> -nitrophenol sensor based on facile Zn-doped Er ₂ O ₃ nanocomposites via an electrochemical approach. Analytical Methods, 2020, 12, 3470-3483. | 1.3 | 16 |
| 131 | Enhanced visible light-mediated photocatalysis, antibacterial functions and fabrication of a 3-chlorophenol sensor based on ternary Ag ₂ O-SrO-CaO. RSC Advances, 2020, 10, 11274-11291. | 1.7 | 39 |
| 132 | Electro-kinetics of conversion of NO ₃ ⁻ into NO ₂ ⁻ and sensing of nitrate ions via reduction reactions at copper immobilized platinum surface in the neutral medium. Electrochimica Acta, 2020, 346, 135994. | 2.6 | 41 |
| 133 | Applications of chitosan (CHI)-reduced graphene oxide (rGO)-polyaniline (PAni) conducting composite electrode for energy generation in glucose biofuel cell. Scientific Reports, 2020, 10, 10428. | 1.6 | 61 |
| 134 | A New Cr ³⁺ Electrochemical Sensor Based on ATNA/Nafion/Glassy Carbon Electrode. Materials, 2020, 13, 2695. | 1.3 | 13 |
| 135 | A potent synthesis and supramolecular synthon hierarchy percipience of (E)-N ¹ -(Naphthalen-1-yl-methylene)-benzenesulfonohydrazide and 1-Napthaldehyde: A combined experimental and DFT studies. Journal of Molecular Structure, 2020, 1221, 128797. | 1.8 | 19 |
| 136 | In-situ preparation of cadmium sulphide nanostructure decorated CNT composite materials for the development of selective benzaldehyde chemical sensor probe to remove the water contaminant by electrochemical method for environmental remediation. Materials Chemistry and Physics, 2020, 245, 122788. | 2.0 | 12 |
| 137 | One-step facile synthesis of SnO ₂ @Nd ₂ O ₃ nanocomposites for selective amidol detection in aqueous phase. New Journal of Chemistry, 2020, 44, 4952-4959. | 1.4 | 41 |
| 138 | The synthesis and application of (E)-N-(benzo[dioxol-5-ylmethylene)-4-methyl-benzenesulfonohydrazide for the detection of carcinogenic lead. RSC Advances, 2020, 10, 5316-5327. | 1.7 | 19 |
| 139 | Branched Alkylamine-Reduced Graphene Oxide Hybrids as a Dual Proton-Electron Conductor and Organic-Only Water-Splitting Photocatalyst. ACS Applied Materials & Interfaces, 2020, 12, 10829-10838. | 4.0 | 40 |
| 140 | Fabrication of phenylhydrazine sensor with V ₂ O ₅ doped ZnO nanocomposites. Materials Chemistry and Physics, 2020, 243, 122658. | 2.0 | 38 |
| 141 | 3-Methoxyphenol chemical sensor fabrication with Ag ₂ O/CB nanocomposites. New Journal of Chemistry, 2020, 44, 2001-2010. | 1.4 | 9 |
| 142 | Facile and efficient 3-chlorophenol sensor development based on photoluminescent core-shell CdSe/ZnS quantum dots. Scientific Reports, 2020, 10, 557. | 1.6 | 33 |
| 143 | Homopolymerization of 3-aminobenzoic acid for enzyme-free electrocatalytic assay of nitrite ions. New Journal of Chemistry, 2020, 44, 2022-2032. | 1.4 | 31 |
| 144 | Hybrid poly(ether-arylidene-ether-sulphone)s derivatives for divalent cobalt ion detection. SN Applied Sciences, 2020, 2, 1. | 1.5 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | N-Trifluoroacetylated pyrazolines: Synthesis, characterization and antimicrobial studies. <i>Bioorganic Chemistry</i> , 2020, 99, 103842. | 2.0 | 23 |
| 146 | Designed network of ternary core-shell PPCOT/NiFe ₂ O ₄ /C-SWCNTs nanocomposites. A Selective Fe ³⁺ ionic sensor. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155020. | 2.8 | 31 |
| 147 | Fabrication of selective l-glutamic acid sensor in electrochemical technique from wet-chemically prepared RuO ₂ doped ZnO nanoparticles. <i>Materials Chemistry and Physics</i> , 2020, 251, 123029. | 2.0 | 70 |
| 148 | Detection of 3,4-diaminotoluene based on Sr _{0.3} Pb _{0.7} TiO ₃ /CoFe ₂ O ₄ core/shell nanocomposite via an electrochemical approach. <i>New Journal of Chemistry</i> , 2020, 44, 7941-7953. | 1.4 | 32 |
| 149 | Development of reproducible thiourea sensor with binary SnO ₂ /V ₂ O ₅ nanomaterials by electrochemical method. <i>Arabian Journal of Chemistry</i> , 2020, 13, 5406-5416. | 2.3 | 14 |
| 150 | Synthesis, characterization, and physicochemical studies of the synthesized dimethoxy-N ¹ -(phenylsulfonyl)-benzenesulfonohydrazide derivatives and used as a probe for calcium ion capturing: Natural sample analysis. <i>Journal of Molecular Structure</i> , 2020, 1214, 128243. | 1.8 | 8 |
| 151 | Termination of Structural Deformation and Proton-Induced Electron Conductive Inflection of Graphene Oxide in Six Years. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1304-1312. | 2.0 | 14 |
| 152 | Fabrication of enzyme-less folic acid sensor probe based on facile ternary doped Fe ₂ O ₃ /NiO/Mn ₂ O ₃ nanoparticles. <i>Current Research in Biotechnology</i> , 2020, 2, 176-186. | 1.9 | 14 |
| 153 | Detection of L-Tyrosine by electrochemical method based on binary mixed CdO/SnO ₂ nanoparticles. Measurement: <i>Journal of the International Measurement Confederation</i> , 2020, 163, 107990. | 2.5 | 23 |
| 154 | Efficient hydroquinone sensor development based on Co ₃ O ₄ nanoparticle. <i>Microchemical Journal</i> , 2020, 157, 104972. | 2.3 | 24 |
| 155 | Nanoagriculture: A Holistic Approach for Sustainable Development of Agriculture. , 2020, , 1-16. | | 2 |
| 156 | Metal-Organic Framework-Derived Catalysts for Zn-Air Batteries. , 2020, , 1-15. | | 2 |
| 157 | Synthesis of novel pyrazole incorporating a coumarin moiety (PC) for selective and sensitive Co ²⁺ detection. <i>New Journal of Chemistry</i> , 2019, 43, 12331-12339. | 1.4 | 18 |
| 158 | Ternary nanocomposite based poly(pyrrole-co-O-toluidine), cobalt ferrite and decorated chitosan as a selective Co ²⁺ cationic sensor. <i>Composites Part B: Engineering</i> , 2019, 175, 107175. | 5.9 | 47 |
| 159 | Selective Fabrication of an Electrochemical Sensor for Pb ²⁺ Based on Poly(pyrrole-co-O-toluidine)/CoFe ₂ O ₄ Nanocomposites. <i>ChemistrySelect</i> , 2019, 4, 10609-10619. | 0.7 | 26 |
| 160 | Functionalized magnetic nanoparticle-reduced graphene oxide nanocomposite for enzymatic biofuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28294-28304. | 3.8 | 43 |
| 161 | A Thallium Ion Sensor Development Based on the Synthesized (E)-N ¹ -(Methoxybenzylidene)-N ⁴ -Methylbenzenesulfonohydrazide Derivatives: Environmental Sample Analysis. <i>ChemistrySelect</i> , 2019, 4, 10543-10549. | 0.7 | 10 |
| 162 | Physico-chemical elimination of unwanted CO ₂ , H ₂ S and H ₂ O fractions from biomethane. <i>Sustainable Energy and Fuels</i> , 2019, 3, 166-172. | 2.5 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Development of an efficient phenolic sensor based on facile Ag ₂ O/Sb ₂ O ₃ nanoparticles for environmental safety. <i>Nanoscale Advances</i> , 2019, 1, 696-705. | 2.2 | 43 |
| 164 | Assessment of enhanced nitrite removal and monitoring using ligand modified stable conjugate materials. <i>Chemical Engineering Journal</i> , 2019, 363, 64-72. | 6.6 | 181 |
| 165 | Ultrasonic-assisted fabrication of polyvinyl chloride/mixed graphene-carbon nanotube nanocomposites as a selective Ag ⁺ ionic sensor. <i>Journal of Composite Materials</i> , 2019, 53, 2271-2284. | 1.2 | 20 |
| 166 | Detection of uric acid based on doped ZnO/Ag ₂ O/Co ₃ O ₄ nanoparticle loaded glassy carbon electrode. <i>New Journal of Chemistry</i> , 2019, 43, 8651-8659. | 1.4 | 148 |
| 167 | Electrocatalytic reduction of hydroxylamine on copper immobilized platinum surface: Heterogeneous kinetics and sensing performance. <i>Electrochimica Acta</i> , 2019, 318, 486-495. | 2.6 | 26 |
| 168 | Surfactant-assisted graphene oxide/methylaniline nanocomposites for lead ionic sensor development for the environmental remediation in real sample matrices. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 8461-8470. | 1.8 | 22 |
| 169 | Efficient selective 4-aminophenol sensing and antibacterial activity of ternary Ag ₂ O/Sb ₂ O ₃ -SnO ₂ -Cr ₂ O ₃ nanoparticles. <i>New Journal of Chemistry</i> , 2019, 43, 10352-10365. | 1.4 | 33 |
| 170 | Sensitive and selective m-tolyl hydrazine chemical sensor development based on CdO nanomaterial decorated multi-walled carbon nanotubes. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 77, 309-316. | 2.9 | 44 |
| 171 | One-step facile synthesis of Nd ₂ O ₃ /ZnO nanostructures for an efficient selective 2,4-dinitrophenol sensor probe. <i>Applied Surface Science</i> , 2019, 487, 1253-1261. | 3.1 | 48 |
| 172 | Arsenic sensor development based on modification with (E)-N-(2-nitrobenzylidene)-benzenesulfonohydrazide: a real sample analysis. <i>New Journal of Chemistry</i> , 2019, 43, 9066-9075. | 1.4 | 148 |
| 173 | The synthesis and characterization of carbon dots and their application in dye sensitized solar cell. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 14580-14587. | 3.8 | 42 |
| 174 | Cleaning the arsenic(V) contaminated water for safe-guarding the public health using novel composite material. <i>Composites Part B: Engineering</i> , 2019, 171, 294-301. | 5.9 | 228 |
| 175 | Offering an innovative composited material for effective lead(II) monitoring and removal from polluted water. <i>Journal of Cleaner Production</i> , 2019, 231, 214-223. | 4.6 | 231 |
| 176 | Introducing an amine functionalized novel conjugate material for toxic nitrite detection and adsorption from wastewater. <i>Journal of Cleaner Production</i> , 2019, 228, 778-785. | 4.6 | 223 |
| 177 | Novel optical composite material for efficient vanadium(III) capturing from wastewater. <i>Journal of Molecular Liquids</i> , 2019, 283, 704-712. | 2.3 | 182 |
| 178 | Introducing an alternate conjugated material for enhanced lead(II) capturing from wastewater. <i>Journal of Cleaner Production</i> , 2019, 224, 920-929. | 4.6 | 211 |
| 179 | Novel composite material for selective copper(II) detection and removal from aqueous media. <i>Journal of Molecular Liquids</i> , 2019, 283, 772-780. | 2.3 | 245 |
| 180 | Fabrication of selective and sensitive Pb ²⁺ detection by 2,2'-(1,2-phenylenebis(azaneylylidene))bis(methaneylylidene)diphenol by electrochemical approach for environmental remediation. <i>Journal of Molecular Liquids</i> , 2019, 281, 401-406. | 2.3 | 28 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Enhanced electrocatalytic effects of Pd particles immobilized on GC surface on the nitrite oxidation reactions. <i>Journal of Electroanalytical Chemistry</i> , 2019, 839, 1-8. | 1.9 | 16 |
| 182 | One-step wet-chemical synthesis of ternary ZnO/CuO/Co ₃ O ₄ nanoparticles for sensitive and selective melamine sensor development. <i>New Journal of Chemistry</i> , 2019, 43, 4849-4858. | 1.4 | 149 |
| 183 | Development of 3-methoxyaniline sensor probe based on thin Ag ₂ O@La ₂ O ₃ nanosheets for environmental safety. <i>New Journal of Chemistry</i> , 2019, 43, 4620-4632. | 1.4 | 130 |
| 184 | Development of highly sensitive 1,4-dioxane sensor with semiconductor NiO-doped Nd ₂ O ₃ nanostructures by electrochemical approach. <i>New Journal of Chemistry</i> , 2019, 43, 17395-17402. | 1.4 | 16 |
| 185 | Selective capturing of phenolic derivative by a binary metal oxide microcubes for its detection. <i>Scientific Reports</i> , 2019, 9, 19234. | 1.6 | 32 |
| 186 | Removal of a melamine contaminant with Ag-doped ZnO nanocomposite materials. <i>New Journal of Chemistry</i> , 2019, 43, 18848-18859. | 1.4 | 28 |
| 187 | Selective bilirubin sensor fabrication based on doped IAO nanorods for environmental remediation. <i>New Journal of Chemistry</i> , 2019, 43, 19298-19307. | 1.4 | 22 |
| 188 | Fabrication of a 3,4-Diaminotoluene Sensor Based on a TiO ₂ /Al ₂ O ₃ Nanocomposite Synthesized by a Fast and Facile Microwave Irradiation Method. <i>ChemistrySelect</i> , 2019, 4, 12592-12600. | 0.7 | 13 |
| 189 | Poly(pyrrole-co-toluidine) wrapped CoFe ₂ O ₄ /R(GO@OXSWCNTs) ternary composite material for Ga ³⁺ sensing ability. <i>RSC Advances</i> , 2019, 9, 33052-33070. | 1.7 | 29 |
| 190 | Glucose sensor based on ZnO/V ₂ O ₅ NRs by an enzyme-free electrochemical approach. <i>RSC Advances</i> , 2019, 9, 31670-31682. | 1.7 | 32 |
| 191 | Detection of toxic choline based on Mn ₂ O ₃ /NiO nanomaterials by an electrochemical method. <i>RSC Advances</i> , 2019, 9, 35146-35157. | 1.7 | 36 |
| 192 | Potential application of mixed metal oxide nanoparticle-embedded glassy carbon electrode as a selective 1,4-dioxane chemical sensor probe by an electrochemical approach. <i>RSC Advances</i> , 2019, 9, 42050-42061. | 1.7 | 23 |
| 193 | Functionalized polyethersulfone as PES-NH ₂ -metal oxide nanofilers for the detection of Y ³⁺ . <i>Polymer Bulletin</i> , 2019, 76, 4485-4506. | 1.7 | 7 |
| 194 | Fabrication of 1,2-dichlorobenzene sensor based on mesoporous MCM-41 material. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 562, 161-169. | 2.3 | 49 |
| 195 | Synthesis and Characterization of Reduced Graphene Oxide and Their Application in Dye-Sensitized Solar Cells. <i>ChemEngineering</i> , 2019, 3, 7. | 1.0 | 33 |
| 196 | In-situ synthesis of gold nanocrystals anchored graphene oxide and its application in biosensor and chemical sensor. <i>Journal of Electroanalytical Chemistry</i> , 2019, 835, 329-337. | 1.9 | 30 |
| 197 | Electrocatalytic Oxidation of 4-Aminophenol Molecules at the Surface of an FeS ₂ /Carbon Nanotube Modified Glassy Carbon Electrode in Aqueous Medium. <i>ChemPlusChem</i> , 2019, 84, 175-182. | 1.3 | 54 |
| 198 | Nanocomposite Containing Cross-Linked Poly(Methyl Methacrylate)/Multiwall Carbon Nanotube as a Selective Y ³⁺ Sensor Probe. <i>Polymer Composites</i> , 2019, 40, E1673. | 2.3 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | Fabrication of 1,4-dioxane sensor based on microwave assisted PAni-SiO ₂ nanocomposites. <i>Talanta</i> , 2019, 193, 64-69. | 2.9 | 53 |
| 200 | SDBS-functionalized MWCNT/poly(o-toluidine) nanowires modified glassy carbon electrode as a selective sensing platform for Ce ³⁺ in real samples. <i>Journal of Molecular Liquids</i> , 2019, 279, 392-399. | 2.3 | 27 |
| 201 | Development of selective Co ²⁺ ionic sensor based on various derivatives of benzenesulfonohydrazide (BSH) compound: An electrochemical approach. <i>Chemical Engineering Journal</i> , 2018, 339, 133-143. | 6.6 | 44 |
| 202 | Comparative performances of phenolic sensors based on various CeO ₂ -carbon material nanocomposites for environmental safety. <i>Sensor Review</i> , 2018, 38, 467-477. | 1.0 | 4 |
| 203 | Electrochemical oxidation of As(III) on Pd immobilized Pt surface: kinetics and sensing performance. <i>RSC Advances</i> , 2018, 8, 8071-8079. | 1.7 | 26 |
| 204 | Efficient detection and adsorption of cadmium(II) ions using innovative nano-composite materials. <i>Chemical Engineering Journal</i> , 2018, 343, 118-127. | 6.6 | 363 |
| 205 | Sensitive and selective heavy metal ion, Mn ²⁺ sensor development based on the synthesized (E)-N ² -chlorobenzylidene-benzenesulfonohydrazide (CBBSH) molecules modified with nafion matrix. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 63, 312-321. | 2.9 | 28 |
| 206 | Label-free Kanamycin sensor development based on CuO NiO hollow-spheres: Food samples analyses. <i>Sensors and Actuators B: Chemical</i> , 2018, 264, 84-91. | 4.0 | 32 |
| 207 | Hydrothermally prepared Ag ₂ O/CuO nanomaterial for an efficient chemical sensor development for environmental remediation. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018, 10, 1-9. | 1.7 | 40 |
| 208 | Wet-chemically prepared low-dimensional ZnO/Al ₂ O ₃ /Cr ₂ O ₃ nanoparticles for xanthine sensor development using an electrochemical method. <i>RSC Advances</i> , 2018, 8, 12562-12572. | 1.7 | 56 |
| 209 | Development of Bis-Phenol A sensor based on Fe ₂ MoO ₄ ·Fe ₃ O ₄ ·ZnO nanoparticles for sustainable environment. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1396-1403. | 3.3 | 30 |
| 210 | Sensitive 1,2-dichlorobenzene chemi-sensor development based on solvothermally prepared FeO/CdO nanocubes for environmental safety. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 62, 392-400. | 2.9 | 51 |
| 211 | Sensitive 3-chlorophenol sensor development based on facile Er ₂ O ₃ /CuO nanomaterials for environmental safety. <i>New Journal of Chemistry</i> , 2018, 42, 3936-3946. | 1.4 | 31 |
| 212 | Neodymium cobalt oxide as a chemical sensor. <i>Results in Physics</i> , 2018, 8, 578-583. | 2.0 | 18 |
| 213 | A Ce ²⁺ sensor based on naphthalen-1-yl-methylene-benzenesulfonohydrazide (NMBSH) molecules: ecological sample analysis. <i>New Journal of Chemistry</i> , 2018, 42, 4465-4473. | 1.4 | 21 |
| 214 | Synthesis of Fe- or Ag-doped TiO ₂ /MWCNT nanocomposite thin films and their visible-light-induced catalysis of dye degradation and antibacterial activity. <i>Research on Chemical Intermediates</i> , 2018, 44, 2667-2683. | 1.3 | 47 |
| 215 | Cu-loaded ZSM-5 zeolites: An ultra-sensitive phenolic sensor development for environmental safety. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 61, 304-313. | 2.9 | 11 |
| 216 | 2-Nitrophenol sensor-based wet-chemically prepared binary doped Co ₃ O ₄ /Al ₂ O ₃ nanosheets by an electrochemical approach. <i>RSC Advances</i> , 2018, 8, 960-970. | 1.7 | 46 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | Synthesis, spectroscopic characterization, crystal structure, and anti-bacterial activity of diorganotin(IV) complexes with 5-bromo-2-hydroxybenzaldehyde-N(4)-ethylthiosemicarbazone. Journal of Coordination Chemistry, 2018, 71, 1593-1605. | 0.8 | 7 |
| 218 | Toward Facile Preparation and Design of Mulberry-Shaped Poly(2-methylaniline)-Ce ₂ (WO ₄) ₃ @CNT Nanocomposite and Its Application for Electrochemical Cd ²⁺ Ion Detection for Environment Remediation. Polymer-Plastics Technology and Engineering, 2018, 57, 335-345. | 1.9 | 20 |
| 219 | Chemical Sensor Development and Antibacterial Activities Based on Polyaniline/Gemini Surfactants for Environmental Safety. Journal of Polymers and the Environment, 2018, 26, 1673-1684. | 2.4 | 20 |
| 220 | Preparation and characterization of PANI@G/CWO nanocomposite for enhanced 2-nitrophenol sensing. Applied Surface Science, 2018, 433, 696-704. | 3.1 | 59 |
| 221 | Efficient hydroquinone sensor based on zinc, strontium and nickel based ternary metal oxide (TMO) composites by differential pulse voltammetry. Sensors and Actuators B: Chemical, 2018, 256, 383-392. | 4.0 | 73 |
| 222 | Polyaniline/graphene/carbon nanotubes nanocomposites for sensing environmentally hazardous 4-aminophenol. Nano Structures Nano Objects, 2018, 15, 63-74. | 1.9 | 61 |
| 223 | Fabrication of a 2,4-dinitrophenol sensor based on Fe ₃ O ₄ @Ag@Ni nanomaterials and studies on their antibacterial properties. New Journal of Chemistry, 2018, 42, 872-881. | 1.4 | 46 |
| 224 | Fabrication of a Ga ³⁺ sensor probe based on methoxybenzylidenebenzenesulfonohydrazide (MBBSH) by an electrochemical approach. New Journal of Chemistry, 2018, 42, 1169-1180. | 1.4 | 36 |
| 225 | Cd-doped Sb ₂ O ₄ nanostructures modified glassy carbon electrode for efficient detection of melamine by electrochemical approach. Biosensors and Bioelectronics, 2018, 102, 631-636. | 5.3 | 74 |
| 226 | Sulfonamides containing curcumin scaffold: Synthesis, characterization, carbonic anhydrase inhibition and molecular docking studies. Bioorganic Chemistry, 2018, 76, 218-227. | 2.0 | 38 |
| 227 | Novel Facial Conducting Polyamide-Based Dithiophenylidene Cyclohexanone Moiety Utilized for Selective Cu ²⁺ Sensing. Polymer-Plastics Technology and Engineering, 2018, 57, 812-825. | 1.9 | 6 |
| 228 | 3,4-Diaminotoluene sensor development based on hydrothermally prepared MnCo _x O _y nanoparticles. Talanta, 2018, 176, 17-25. | 2.9 | 51 |
| 229 | Thiourea sensor development based on hydrothermally prepared CMO nanoparticles for environmental safety. Biosensors and Bioelectronics, 2018, 99, 586-592. | 5.3 | 46 |
| 230 | Nanocomposite based functionalized Polyethersulfone and conjugated ternary ZnYCdO nanomaterials for the fabrication of selective Cd ²⁺ sensor probe. Journal of Polymer Research, 2018, 25, 1. | 1.2 | 32 |
| 231 | Nanocomposites based nitrated polyethersulfone and doped ZnYNiO for selective As ³⁺ sensor application. Advances in Polymer Technology, 2018, 37, 3689-3700. | 0.8 | 16 |
| 232 | Semiconductor Fe ₂ O ₃ Hematite Fabricated Electrode for Sensitive Detection of Phenolic Pollutants. ChemistrySelect, 2018, 3, 12169-12174. | 0.7 | 4 |
| 233 | Enhanced photocatalytic activity and ultra-sensitive benzaldehyde sensing performance of a SnO ₂ ·ZnO·TiO ₂ nanomaterial. RSC Advances, 2018, 8, 33048-33058. | 1.7 | 32 |
| 234 | In-situ Glycine Sensor Development Based ZnO/Al ₂ O ₃ /Cr ₂ O ₃ Nanoparticles. ChemistrySelect, 2018, 3, 11460-11468. | 0.7 | 33 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Carbon black co-adsorbed ZnO nanocomposites for selective benzaldehyde sensor development by electrochemical approach for environmental safety. Journal of Industrial and Engineering Chemistry, 2018, 65, 300-308. | 2.9 | 69 |
| 236 | Selective hydrazine sensor fabrication with facile low-dimensional Fe ₂ O ₃ /CeO ₂ nanocubes. New Journal of Chemistry, 2018, 42, 10263-10270. | 1.4 | 68 |
| 237 | Synthesis, spectroscopic, single crystal diffraction and potential nonlinear optical properties of novel pyrazoline derivatives: Interplay of experimental and computational analyses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 202, 146-158. | 2.0 | 18 |
| 238 | Thermally stable hybrid polyarylidene(azomethine-ether)s polymers (PAAP): an ultrasensitive arsenic(III) sensor approach. Designed Monomers and Polymers, 2018, 21, 82-98. | 0.7 | 15 |
| 239 | Fabrication of Sb ³⁺ sensor based on 1,1'-bis(2,3-dihydro-1,4-benzodioxin-5-yl)ethane-2,2'-diylbis(methanylylidene))bis(naphthalen-2-yl)nafion/glassy carbon electrode assembly by electrochemical approach. RSC Advances, 2018, 8, 19754-19764. | 1.7 | 12 |
| 240 | Development of Cd ²⁺ sensor based on BZNA/Nafion/Glassy carbon electrode by electrochemical approach. Chemical Engineering Journal, 2018, 352, 225-231. | 6.6 | 53 |
| 241 | 4-Hexylresorcinol sensor development based on wet-chemically prepared Co ₃ O ₄ @Er ₂ O ₃ nanorods: A practical approach. Journal of Industrial and Engineering Chemistry, 2018, 66, 446-455. | 2.9 | 140 |
| 242 | Chemical sensing platform for the Zn ²⁺ ions based on poly(o-anisidine-co-methyl anthranilate) copolymer composites and their environmental remediation in real samples. Environmental Science and Pollution Research, 2018, 25, 27899-27911. | 2.7 | 17 |
| 243 | Development of a selective and sensitive Ga ³⁺ sensor for environmental safety: a comparative study of cyclohexyl and aromatic bis-sulphonamide fabricated glassy carbon electrodes. New Journal of Chemistry, 2018, 42, 13589-13601. | 1.4 | 9 |
| 244 | Efficient 4-Nitrophenol sensor development based on facile Ag@Nd ₂ O ₃ nanoparticles. Materials Today Communications, 2018, 16, 307-313. | 0.9 | 48 |
| 245 | Fabrication of an efficient Isopropyl alcohol sensor based on facile Co ₃ O ₄ @Nd ₂ O ₃ nanocomposites for environmental safety. Environmental Nanotechnology, Monitoring and Management, 2018, 10, 314-321. | 1.7 | 4 |
| 246 | Hybride ZnCdCrO embedded aminated polyethersulfone nanocomposites for the development of Hg ²⁺ ionic sensor. Materials Research Express, 2018, 5, 065019. | 0.8 | 27 |
| 247 | Ultrasensitive and selective 4-aminophenol chemical sensor development based on nickel oxide nanoparticles decorated carbon nanotube nanocomposites for green environment. Journal of Environmental Sciences, 2017, 53, 27-38. | 3.2 | 100 |
| 248 | Sensor development of 1,2 Dichlorobenzene based on polypyrrole/Cu-doped ZnO (PPY/CZO) nanocomposite embedded silver electrode and their antimicrobial studies. International Journal of Biological Macromolecules, 2017, 98, 256-267. | 3.6 | 47 |
| 249 | Ultra-sensitive 2-nitrophenol detection based on reduced graphene oxide/ZnO nanocomposites. Journal of Electroanalytical Chemistry, 2017, 788, 66-73. | 1.9 | 72 |
| 250 | Hg ²⁺ Sensor Development Based on (E)-N-(2-Nitrobenzylidene)Benzenesulfonohydrazide (NBBSH) Derivatives Fabricated on a Glassy Carbon Electrode with a Nafion Matrix. ACS Omega, 2017, 2, 420-431. | 1.6 | 58 |
| 251 | Fabrication of selective chemical sensor with ternary ZnO/SnO ₂ /Yb ₂ O ₃ nanoparticles. Talanta, 2017, 170, 215-223. | 2.9 | 76 |
| 252 | Ultrasensitive hydrazine sensor fabrication based on Co-doped ZSM-5 zeolites for environmental safety. RSC Advances, 2017, 7, 21164-21174. | 1.7 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 253 | Trace electrochemical detection of Ni ²⁺ ions with bidentate N,N-bis-(ethane-1,2-diyl)bis(3,4-dimethoxybenzenesulfonamide) [EDBDMBS] as a chelating agent. <i>Inorganica Chimica Acta</i> , 2017, 464, 157-166. | 1.2 | 135 |
| 254 | Inorganic-organic based novel nano-conjugate material for effective cobalt(II) ions capturing from wastewater. <i>Chemical Engineering Journal</i> , 2017, 324, 130-139. | 6.6 | 265 |
| 255 | A comparative study on 4-aminophenol sensor development with various CdO nanocomposites. <i>Nano Structures Nano Objects</i> , 2017, 10, 141-150. | 1.9 | 12 |
| 256 | Highly sensitive and selective detection of Bis-phenol A based on hydroxyapatite decorated reduced graphene oxide nanocomposites. <i>Electrochimica Acta</i> , 2017, 241, 353-361. | 2.6 | 52 |
| 257 | Synthesis, molecular structure, quantum mechanical studies and urease inhibition assay of two new isatin derived sulfonylhydrazides. <i>Journal of Molecular Structure</i> , 2017, 1133, 80-89. | 1.8 | 26 |
| 258 | Efficient Bisphenol-A detection based on the ternary metal oxide (TMO) composite by electrochemical approaches. <i>Electrochimica Acta</i> , 2017, 246, 597-605. | 2.6 | 59 |
| 259 | Ethanol sensor development based on ternary-doped metal oxides (CdO/ZnO/Yb ₂ O ₃) nanosheets for environmental safety. <i>RSC Advances</i> , 2017, 7, 22627-22639. | 1.7 | 77 |
| 260 | Structural study, photoluminescence and photocatalytic properties of La ₂ O ₃ @ Fe ₃ O ₄ @ ZnO, AgO @ NiO @ ZnO and La ₂ O ₃ @ AgO @ ZnO nanocomposites. <i>Nano Structures Nano Objects</i> , 2017, 10, 30-41. | 1.9 | 62 |
| 261 | Xanthine sensor development based on ZnO@CNT, ZnO@CB, ZnO@GO and ZnO nanoparticles: an electrochemical approach. <i>New Journal of Chemistry</i> , 2017, 41, 6262-6271. | 1.4 | 12 |
| 262 | Ultra-sensitive p-nitrophenol sensing performances based on various Ag ₂ O conjugated carbon material composites. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2017, 8, 73-82. | 1.7 | 17 |
| 263 | Enhanced photocatalytic activity and chemical sensor development based on ternary B ₂ O ₃ ·Zn ₆ Al ₂ O ₉ ·ZnO nanomaterials for environmental safety. <i>New Journal of Chemistry</i> , 2017, 41, 7220-7231. | 1.4 | 17 |
| 264 | A glassy carbon electrode modified with ¹³ Ce ₂ S ₃ -decorated CNT nanocomposites for uric acid sensor development: a real sample analysis. <i>RSC Advances</i> , 2017, 7, 14649-14659. | 1.7 | 51 |
| 265 | Hydrazine sensors development based on a glassy carbon electrode modified with a nanostructured TiO ₂ films by electrochemical approach. <i>Mikrochimica Acta</i> , 2017, 184, 2123-2129. | 2.5 | 53 |
| 266 | Synthesis, crystal structures, spectroscopic and nonlinear optical properties of chalcone derivatives: A combined experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2017, 1141, 142-156. | 1.8 | 96 |
| 267 | Ligand field effect for Dysprosium(III) and Lutetium(III) adsorption and EXAFS coordination with novel composite nanomaterials. <i>Chemical Engineering Journal</i> , 2017, 320, 427-435. | 6.6 | 256 |
| 268 | Fabrication of hydrazine sensor based on silica-coated Fe ₂ O ₃ magnetic nanoparticles prepared by a rapid microwave irradiation method. <i>Journal of Alloys and Compounds</i> , 2017, 698, 921-929. | 2.8 | 37 |
| 269 | Phenolic sensor development based on chromium oxide-decorated carbon nanotubes for environmental safety. <i>Journal of Environmental Management</i> , 2017, 188, 228-237. | 3.8 | 43 |
| 270 | Bilirubin sensor based on CuO-CdO composites deposited in a nafion/glassy carbon electrode matrixes. <i>Progress in Natural Science: Materials International</i> , 2017, 27, 566-573. | 1.8 | 52 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 271 | Crystal structure of Nâ€²-[(E)-(2-hydroxynaphthalen-1-yl) methylidene] benzenesulfonylhydrazide (HNMBSH) and its application as Pb ²⁺ ion sensor by its fabrication onto glassy carbon electrode. <i>Inorganica Chimica Acta</i> , 2017, 467, 297-306. | 1.2 | 30 |
| 272 | Electrochemical Detection of Ni ²⁺ Ions Using Synthesized (E)-Nâ€²-Chlorobenzylidene-4-methylbenzenesulfonylhydrazide Derivatives Modified with a Nafion Matrix. <i>ChemistrySelect</i> , 2017, 2, 7455-7464. | 0.7 | 23 |
| 273 | Ultrasensitive and label-free detection of creatine based on CdO nanoparticles: a real sample approach. <i>New Journal of Chemistry</i> , 2017, 41, 6667-6677. | 1.4 | 32 |
| 274 | Fabrication of 4-aminophenol sensor based on hydrothermally prepared ZnO/Yb ₂ O ₃ nanosheets. <i>New Journal of Chemistry</i> , 2017, 41, 9159-9169. | 1.4 | 139 |
| 275 | Trivalent Y ³⁺ ionic sensor development based on (E)-Methyl-Nâ€²-nitrobenzylidene-benzenesulfonylhydrazide (MNBBSH) derivatives modified with nafion matrix. <i>Scientific Reports</i> , 2017, 7, 5832. | 1.6 | 35 |
| 276 | Fabrication of an acetone sensor based on facile ternary MnO ₂ /Gd ₂ O ₃ /SnO ₂ nanosheets for environmental safety. <i>New Journal of Chemistry</i> , 2017, 41, 9938-9946. | 1.4 | 54 |
| 277 | Fabrication of an l-glutathione sensor based on PEG-conjugated functionalized CNT nanocomposites: a real sample analysis. <i>New Journal of Chemistry</i> , 2017, 41, 10761-10772. | 1.4 | 18 |
| 278 | Development of Creatine sensor based on antimony-doped tin oxide (ATO) nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 167-175. | 4.0 | 45 |
| 279 | Fabrication of cadmium ionic sensor based on (E)-4-Methyl-Nâ€²-(1-(pyridin-2-yl)ethylidene)benzenesulfonylhydrazide (MPEBSH) by electrochemical approach. <i>Journal of Organometallic Chemistry</i> , 2017, 827, 49-55. | 0.8 | 134 |
| 280 | Comparative performance of hydrazine sensors developed with Mn ₃ O ₄ /carbon-nanotubes, Mn ₃ O ₄ /graphene-oxides and Mn ₃ O ₄ /carbon-black nanocomposites. <i>Materials Express</i> , 2017, 7, 169-179. | 0.2 | 16 |
| 281 | Ultra-sensitive xanthine sensor development based on wet-chemically prepared Co/ZnO nanoparticles. <i>Materials Express</i> , 2017, 7, 93-103. | 0.2 | 7 |
| 282 | Fabrication of 3-methoxyphenol sensor based on Fe ₃ O ₄ decorated carbon nanotube nanocomposites for environmental safety: Real sample analyses. <i>PLoS ONE</i> , 2017, 12, e0177817. | 1.1 | 47 |
| 283 | Introductory Chapter: Overview of Nanofibers. , 2016, , . | | 3 |
| 284 | One Pot Selective Arylation of 2-Bromo-5-Chloro Thiophene; Molecular Structure Investigation via Density Functional Theory (DFT), X-ray Analysis, and Their Biological Activities. <i>International Journal of Molecular Sciences</i> , 2016, 17, 912. | 1.8 | 19 |
| 285 | Silica-gel Particles Loaded with an Ionic Liquid for Separation of Zr(IV) Prior to Its Determination by ICP-OES. <i>Sensors</i> , 2016, 16, 1001. | 2.1 | 4 |
| 286 | Efficient 2-Nitrophenol Chemical Sensor Development Based on Ce ₂ O ₃ Nanoparticles Decorated CNT Nanocomposites for Environmental Safety. <i>PLoS ONE</i> , 2016, 11, e0166265. | 1.1 | 45 |
| 287 | Hydrazine sensor based on silver nanoparticle-decorated polyaniline tungstophosphate nanocomposite for use in environmental remediation. <i>Mikrochimica Acta</i> , 2016, 183, 1787-1796. | 2.5 | 49 |
| 288 | Sensitive and selective Cu ²⁺ sensor based on 4-(3-(thiophen-2-yl)-9H-carbazol-9-yl)benzaldehyde (TPCBZ) conjugated copper-complex. <i>Journal of Organometallic Chemistry</i> , 2016, 817, 43-49. | 0.8 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 289 | A gold electrode modified with silver oxide nanoparticle decorated carbon nanotubes for electrochemical sensing of dissolved ammonia. <i>Mikrochimica Acta</i> , 2016, 183, 1677-1685. | 2.5 | 26 |
| 290 | Fabrication of a selective 4-amino phenol sensor based on H-ZSM-5 zeolites deposited silver electrodes. <i>RSC Advances</i> , 2016, 6, 48435-48444. | 1.7 | 31 |
| 291 | Development of 4-methoxyphenol chemical sensor based on NiS ₂ -CNT nanocomposites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 64, 157-165. | 2.7 | 50 |
| 292 | Lead sensors development and antimicrobial activities based on graphene oxide/carbon nanotube/poly(O-toluidine) nanocomposite. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 198-205. | 3.6 | 67 |
| 293 | Catalytic activation and application of micro-spherical carbon derived from hydrothermal carbonization of lignocellulosic biomass: statistical analysis using Box-Behnken design. <i>RSC Advances</i> , 2016, 6, 102680-102694. | 1.7 | 31 |
| 294 | Development of highly-sensitive hydrazine sensor based on facile CoS ₂ -CNT nanocomposites. <i>RSC Advances</i> , 2016, 6, 90470-90479. | 1.7 | 50 |
| 295 | Origin of high open-circuit voltage in solid state dye-sensitized solar cells employing polymer electrolyte. <i>Nano Energy</i> , 2016, 28, 455-461. | 8.2 | 24 |
| 296 | La-Sn oxide nanocatalyst: Efficient materials for the synthesis of cyclohexanones. <i>Journal of Molecular Liquids</i> , 2016, 224, 359-365. | 2.3 | 4 |
| 297 | Non-enzymatic simultaneous detection of L-glutamic acid and uric acid using mesoporous Co ₃ O ₄ nanosheets. <i>RSC Advances</i> , 2016, 6, 80511-80521. | 1.7 | 148 |
| 298 | Development of highly efficient Co ²⁺ ions sensor based on N,N'-bis(2,5-dimethoxybenzenesulfonamide) (EBDMBS) fabricated glassy carbon electrode. <i>Journal of Organometallic Chemistry</i> , 2016, 822, 53-61. | 0.8 | 15 |
| 299 | Development of selective chloroform sensor with transition metal oxide nanoparticle/multi-walled carbon nanotube nanocomposites by modified glassy carbon electrode. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 66, 336-346. | 2.7 | 21 |
| 300 | Sensitive L-leucine sensor based on a glassy carbon electrode modified with SrO nanorods. <i>Mikrochimica Acta</i> , 2016, 183, 3265-3273. | 2.5 | 46 |
| 301 | A glutathione biosensor based on a glassy carbon electrode modified with CdO nanoparticle-decorated carbon nanotubes in a nafion matrix. <i>Mikrochimica Acta</i> , 2016, 183, 3255-3263. | 2.5 | 42 |
| 302 | Effect of Ce doping into ZnO nanostructures to enhance the phenolic sensor performance. <i>RSC Advances</i> , 2016, 6, 58236-58246. | 1.7 | 31 |
| 303 | Photocatalytic degradation of remazol brilliant orange 3R using wet-chemically prepared CdO-ZnO nanofibers for environmental remediation. <i>Materials Express</i> , 2016, 6, 137-148. | 0.2 | 29 |
| 304 | A novel approach towards hydrazine sensor development using SrO-CNT nanocomposites. <i>RSC Advances</i> , 2016, 6, 65338-65348. | 1.7 | 74 |
| 305 | Mechanistic Investigation of Osmium(VIII) Catalyzed Oxidation of Glutamic Acid With Sodium Salt of N-Chloro 4-Methylbenzenesulfonamide in Aqueous Media: A Practical Approach. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 10-18. | 0.6 | 4 |
| 306 | High performance polyaniline/vanadyl phosphate (PANI-VOPO ₄) nano composite sheets prepared by exfoliation/intercalation method for sensing applications. <i>European Polymer Journal</i> , 2016, 75, 388-398. | 2.6 | 43 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 307 | Inverse effects of supporting electrolytes on the electrocatalytic nitrate reduction activities in a Pt Nafion Pt-Cu-type reactor assembly. RSC Advances, 2016, 6, 11609-11617. | 1.7 | 14 |
| 308 | Amine modified tannin gel for adsorptive removal of Brilliant Green dye. Journal of Environmental Chemical Engineering, 2016, 4, 1231-1241. | 3.3 | 67 |
| 309 | Room temperature stable ClPrNTf ₂ ionic liquid utilizing for chemical sensor development. Journal of Organometallic Chemistry, 2016, 811, 74-80. | 0.8 | 4 |
| 310 | Ultrasensitive and selective hydrazine sensor development based on Sn/ZnO nanoparticles. RSC Advances, 2016, 6, 29342-29352. | 1.7 | 64 |
| 311 | Magnetic and liquid crystalline property of long-alkyl chain appended iron (II) imidazole complexes. Journal of Organometallic Chemistry, 2016, 808, 42-47. | 0.8 | 5 |
| 312 | Facile mercury detection and removal from aqueous media involving ligand impregnated conjugate nanomaterials. Chemical Engineering Journal, 2016, 290, 243-251. | 6.6 | 320 |
| 313 | Sensitive methanol sensor based on PMMA-G-CNTs nanocomposites deposited onto glassy carbon electrodes. Talanta, 2016, 150, 71-80. | 2.9 | 54 |
| 314 | Conventional surfactant-doped poly (o-anisidine)/GO nanocomposites for benzaldehyde chemical sensor development. Journal of Sol-Gel Science and Technology, 2016, 77, 361-370. | 1.1 | 37 |
| 315 | Methane enrichment of biogas by carbon dioxide fixation with calcium hydroxide and activated carbon. Journal of the Taiwan Institute of Chemical Engineers, 2016, 58, 476-481. | 2.7 | 37 |
| 316 | Composite Noble-Metal Films/H ⁺ -Conducting Solid-Polymer Electrolyte Assemblies: The Nitrate-Reduction Activity in an Asymmetric Sandwich-Type Reactor. ChemPlusChem, 2015, 80, 1634-1641. | 1.3 | 5 |
| 317 | Photocatalytic and antibacterial activity of B/N/Ag co-doped CNT-TiO ₂ composite films. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2015, 82, 229-234. | 0.9 | 20 |
| 318 | Fluorescence Quenching of Perylene DBPI Dye by Colloidal Low-Dimensional Gold Nanoparticles. Journal of Fluorescence, 2015, 25, 973-978. | 1.3 | 15 |
| 319 | Preparation of polyaniline grafted graphene oxide-WO ₃ nanocomposite and its application as a chromium(III) chemi-sensor. RSC Advances, 2015, 5, 105169-105178. | 1.7 | 37 |
| 320 | Development of ionic-sensor based on sono-chemically prepared low-dimensional Fe ²⁺ -Fe ₂ O ₃ nanoparticles onto flat-gold electrodes by an electrochemical approach. Sensing and Bio-Sensing Research, 2015, 4, 109-117. | 2.2 | 27 |
| 321 | Synthesis, crystal structure, spectroscopic and density functional theory (DFT) study of N-[3-anthracen-9-yl-1-(4-bromo-phenyl)-allylidene]-N-benzenesulfonohydrazine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 142, 364-374. | 2.0 | 63 |
| 322 | Sensitive and fast response ethanol chemical sensor based on as-grown Gd ₂ O ₃ nanostructures. Journal of Rare Earths, 2015, 33, 214-220. | 2.5 | 42 |
| 323 | Preparation and properties of novel sol-gel-derived quaternized poly(n-methyl pyrrole)/Sn(II)SiO ₃ /CNT composites. Journal of Solid State Electrochemistry, 2015, 19, 1479-1489. | 1.2 | 36 |
| 324 | A SnO ₂ -Sb ₂ O ₃ nanocomposite for selective adsorption of lead ions from water samples prior to their determination by ICP-OES. Mikrochimica Acta, 2015, 182, 579-588. | 2.5 | 33 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 325 | Development of Penicillin G biosensor based on Penicillinase enzymes immobilized onto bio-chips. Biomedical Microdevices, 2015, 17, 9. | 1.4 | 22 |
| 326 | Development of selective and sensitive bicarbonate chemical sensor based on wet-chemically prepared CuO-ZnO nanorods. Sensors and Actuators B: Chemical, 2015, 214, 82-91. | 4.0 | 48 |
| 327 | Fabrication of highly sensitive ethanol sensor based on doped nanostructure materials using tiny chips. RSC Advances, 2015, 5, 63252-63263. | 1.7 | 53 |
| 328 | Toward designing efficient rice-shaped polyaniline@bismuth oxide nanocomposites for sensor application. Journal of Sol-Gel Science and Technology, 2015, 76, 519-528. | 1.1 | 9 |
| 329 | One-step electrochemical detection of cholesterol in the presence of suitable K ₃ Fe(CN) ₆ /phosphate buffer mediator by an electrochemical approach. Talanta, 2015, 140, 96-101. | 2.9 | 24 |
| 330 | Dissolution kinetics of colloidal manganese dioxide in aqueous hydrochloric acid at 298 K. Russian Journal of Physical Chemistry A, 2015, 89, 706-709. | 0.1 | 12 |
| 331 | Lean Cu-immobilized Pt and Pd films/H ⁺ Conducting Membrane Assemblies: Relative Electrocatalytic Nitrate Reduction Activities. Journal of Industrial and Engineering Chemistry, 2015, 28, 131-137. | 2.9 | 23 |
| 332 | Synthesis, Crystal Structures and Spectroscopic Properties of Triazine-Based Hydrazone Derivatives; A Comparative Experimental-Theoretical Study. Molecules, 2015, 20, 5851-5874. | 1.7 | 80 |
| 333 | Detection of bisphenol A based on conducting binder supported hydrophobic 1,10-Phenanthroline ionic liquid onto flat silver electrode by electrochemical approaches. Sensing and Bio-Sensing Research, 2015, 4, 70-77. | 2.2 | 12 |
| 334 | Aggregated Pt-Pd nanoparticles on Nafion membrane for impulsive decomposition of hydrogen peroxide. RSC Advances, 2015, 5, 46295-46300. | 1.7 | 21 |
| 335 | Evaluation of cerium doped tin oxide nanoparticles as a sensitive sensor for selective detection and extraction of cobalt. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 70, 203-209. | 1.3 | 19 |
| 336 | Chemical sensor development based on poly(o-anisidine)silverized-MWCNT nanocomposites deposited on glassy carbon electrodes for environmental remediation. RSC Advances, 2015, 5, 71370-71378. | 1.7 | 42 |
| 337 | Selective choline biosensors based on choline oxidase co-immobilized into self-assembled monolayers on micro-chips at low potential. Analytical Methods, 2015, 7, 9426-9434. | 1.3 | 12 |
| 338 | Synthesis, Crystal Structures and Cytotoxic Activity of New 1,3,4,5-tetrahydro-2H-1,5-benzodiazepine Derivatives. Journal of Chemical Research, 2015, 39, 502-508. | 0.6 | 5 |
| 339 | Development of Hg ²⁺ sensor based on N ⁺ -[1-(pyridin-2-yl)ethylidene]benzenesulfonylhydrazide (PEBSH) fabricated silver electrode for environmental remediation. RSC Advances, 2015, 5, 81275-81281. | 1.7 | 30 |
| 340 | Nitrate detection activity of Cu particles deposited on pencil graphite by fast scan cyclic voltammetry. Journal of Analytical Chemistry, 2015, 70, 60-66. | 0.4 | 9 |
| 341 | A microchip based fluoride sensor based on the use of CdO doped ferric oxide nanocubes. Mikrochimica Acta, 2015, 182, 487-494. | 2.5 | 28 |
| 342 | Electrochemical decolorization of Methylene blue at Pt electrode in KCl solution for environmental remediation. Journal of Industrial and Engineering Chemistry, 2015, 21, 787-791. | 2.9 | 41 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 343 | Fabrication of Smart Chemical Sensors Based on Transition-Doped-Semiconductor Nanostructure Materials with μ -Chips. PLoS ONE, 2014, 9, e85036. | 1.1 | 32 |
| 344 | Detection and Monitoring of Toxic Chemical at Ultra Trace Level by Utilizing Doped Nanomaterial. PLoS ONE, 2014, 9, e109423. | 1.1 | 11 |
| 345 | Selective Divalent Cobalt Ions Detection Using Ag ₂ O ₃ -ZnO Nanocones by ICP-OES Method for Environmental Remediation. PLoS ONE, 2014, 9, e114084. | 1.1 | 17 |
| 346 | LIGAND FREE Pd CATALYZED CYCLIZATION-INFLUENCE OF STERIC HINDRANCE. Journal of the Chilean Chemical Society, 2014, 59, 2697-2700. | 0.5 | 9 |
| 347 | Modulation of Aggregation Behaviour of Amphiphilic Drug and Surfactant Mixture under the Influence of Neutral Polymer. Asian Journal of Chemistry, 2014, 26, 6023-6028. | 0.1 | 0 |
| 348 | Reusable and Mediator-Free Cholesterol Biosensor Based on Cholesterol Oxidase Immobilized onto TGA-SAM Modified Smart Bio-Chips. PLoS ONE, 2014, 9, e100327. | 1.1 | 25 |
| 349 | Dual nature, self oxidized poly(o-anisidine) functionalized multiwall carbon nanotubes composite: Preparation, thermal and electrical studies. Composites Part B: Engineering, 2014, 58, 451-456. | 5.9 | 38 |
| 350 | Selective detection of gold(III) ions based on codoped MnO ₂ @SnO ₂ nanocubes prepared by solution method. Materials Research Bulletin, 2014, 51, 287-294. | 2.7 | 7 |
| 351 | Study of the base-catalysed oxidation of the anti-bacterial and anti-protozoal agent metronidazole by permanganate ion in alkaline medium. Research on Chemical Intermediates, 2014, 40, 1703-1714. | 1.3 | 3 |
| 352 | Aggregation and Phase Separation Phenomenon of Amitriptyline Hydrochloride Under the Influence of Pharmaceutical Excipients. Journal of Surfactants and Detergents, 2014, 17, 37-48. | 1.0 | 5 |
| 353 | Optimization, kinetic and thermodynamic studies for removal of Brilliant Red (X-3B) using Tannin gel. Journal of Environmental Chemical Engineering, 2014, 2, 76-83. | 3.3 | 27 |
| 354 | In vitro studies of carbon fiber microbiosensor for dopamine neurotransmitter supported by copper-graphene oxide composite. Mikrochimica Acta, 2014, 181, 1049-1057. | 2.5 | 22 |
| 355 | Smart methanol sensor based on silver oxide-doped zinc oxide nanoparticles deposited on microchips. Mikrochimica Acta, 2014, 181, 553-563. | 2.5 | 22 |
| 356 | Low dimensional Ni-ZnO nanoparticles as marker of toxic lead ions for environmental remediation. Journal of Industrial and Engineering Chemistry, 2014, 20, 1071-1078. | 2.9 | 36 |
| 357 | Copper-immobilized platinum electrocatalyst for the effective reduction of nitrate in a low conductive medium: Mechanism, adsorption thermodynamics and stability. Applied Catalysis A: General, 2014, 478, 259-266. | 2.2 | 63 |
| 358 | Fabrication of non-enzymatic sensor using Co doped ZnO nanoparticles as a marker of H ₂ O ₂ . Physica E: Low-Dimensional Systems and Nanostructures, 2014, 62, 21-27. | 1.3 | 36 |
| 359 | SnO ₂ @TiO ₂ nanocomposites as new adsorbent for efficient removal of La(III) ions from aqueous solutions. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 1964-1974. | 2.7 | 42 |
| 360 | Multilevel topological description of molecular packings in 1,2-benzothiazines. CrystEngComm, 2014, 16, 1963-1970. | 1.3 | 44 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 361 | Facile synthesis of doped ZnO-CdO nanoblocks as solid-phase adsorbent and efficient solar photo-catalyst applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2278-2286. | 2.9 | 34 |
| 362 | Complexation behavior of mixed monolayer/mixed micelle formation between cationic noble surfactant-nonionic conventional surfactant in the presence of biocompatible polymer. <i>Journal of Molecular Liquids</i> , 2014, 199, 495-500. | 2.3 | 5 |
| 363 | Molecular packings and specific-bonding patterns in sulfonamides. <i>New Journal of Chemistry</i> , 2014, 38, 4099-4106. | 1.4 | 11 |
| 364 | A Nanoscale Demonstration of Hydrogen Atom Spillover and Surface Diffusion Across Silica Using the Kinetics of CO ₂ Methanation Catalyzed on Spatially Separate Pt and Co Nanoparticles.. <i>Nano Letters</i> , 2014, 14, 4792-4796. | 4.5 | 100 |
| 365 | Exploration of silver oxide nanoparticles as a pointer of lanthanum for environmental applications. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2770-2776. | 2.7 | 26 |
| 366 | Micellization of Amphiphilic Drug with Pharmaceutical Excipients in Aqueous Electrolytic Solution: Composition, Interaction, and Stability of the Aggregates. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 1588-1598. | 1.3 | 5 |
| 367 | Selective detection of divalent nickel ions based on wet-chemically prepared Cs-doped ZnO nanosheets. <i>Superlattices and Microstructures</i> , 2014, 71, 93-104. | 1.4 | 6 |
| 368 | Fluorescence quenching of N,N-bis(2,5-di-tert-butylphenyl)-3,4:9,10-perylenebis(dicarboximide) (DBPI) by silver nanoparticles. <i>Journal of Luminescence</i> , 2014, 148, 303-306. | 1.5 | 11 |
| 369 | Detection of trivalent-iron based on low-dimensional semiconductor metal oxide nanostructures for environmental remediation by ICP-OES technique. <i>Ceramics International</i> , 2014, 40, 8445-8453. | 2.3 | 5 |
| 370 | Development of efficient chemi-sensor and photo-catalyst based on wet-chemically prepared ZnO nanorods for environmental remediation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2733-2741. | 2.7 | 26 |
| 371 | Nitrophenol Chemi-Sensor and Active Solar Photocatalyst Based on Spinel Hetaerolite Nanoparticles. <i>PLoS ONE</i> , 2014, 9, e85290. | 1.1 | 31 |
| 372 | Chemo-sensors development based on low-dimensional codoped Mn ₂ O ₃ -ZnO nanoparticles using flat-silver electrodes. <i>Chemistry Central Journal</i> , 2013, 7, 60. | 2.6 | 54 |
| 373 | Sol-gel synthesis and characterization of conducting polythiophene/tin phosphate nano tetrapod composite cation-exchanger and its application as Hg(II) selective membrane electrode. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 65, 160-169. | 1.1 | 32 |
| 374 | Effect of anionic surfactant sodium dodecyl sulfate on the reaction of hexacyanoferrate(III) oxidation of levothyroxine in aqueous medium: a kinetic and mechanistic approach. <i>Research on Chemical Intermediates</i> , 2013, 39, 2379-2389. | 1.3 | 5 |
| 375 | Mixed micellization between amphiphilic drug promethazine hydrochloride and cationic surfactant (conventional as well as gemini). <i>Journal of Molecular Liquids</i> , 2013, 177, 19-25. | 2.3 | 69 |
| 376 | Co ₃ O ₄ co-doped TiO ₂ nanoparticles as a selective marker of lead in aqueous solution. <i>New Journal of Chemistry</i> , 2013, 37, 2888. | 1.4 | 35 |
| 377 | Selective adsorption and determination of iron(III): Mn ₃ O ₄ /TiO ₂ composite nanosheets as marker of iron for environmental applications. <i>Applied Surface Science</i> , 2013, 282, 46-51. | 3.1 | 25 |
| 378 | Chemical sensor development based on polycrystalline gold electrode embedded low-dimensional Ag ₂ O nanoparticles. <i>Electrochimica Acta</i> , 2013, 112, 422-430. | 2.6 | 67 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 379 | Acetone sensor based on solvothermally prepared ZnO doped with Co ₃ O ₄ nanorods. <i>Mikrochimica Acta</i> , 2013, 180, 675-685. | 2.5 | 71 |
| 380 | Amphiphilic antidepressant drug amitriptyline hydrochloride under the influence of ionic and nonionic hydrotropes; micellization and phase separation. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 1774-1780. | 2.9 | 22 |
| 381 | Sensitive chemi-sensor for environmental applications as marker of chloroform in aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 106, 231-235. | 2.0 | 3 |
| 382 | Aggregation and phase separation behavior of an amphiphilic drug promazine hydrochloride under the influence of inorganic salts and ureas. <i>Thermochimica Acta</i> , 2013, 574, 26-37. | 1.2 | 19 |
| 383 | An assessment of zinc oxide nanosheets as a selective adsorbent for cadmium. <i>Nanoscale Research Letters</i> , 2013, 8, 377. | 3.1 | 78 |
| 384 | Green material: ecological importance of imperative and sensitive chemi-sensor based on Ag/Ag ₂ O ₃ /ZnO composite nanorods. <i>Nanoscale Research Letters</i> , 2013, 8, 380. | 3.1 | 13 |
| 385 | Interaction of the Amphiphilic Drug Amitriptyline Hydrochloride with Gemini and Conventional Surfactants: A Physicochemical Approach. <i>Journal of Solution Chemistry</i> , 2013, 42, 1532-1544. | 0.6 | 24 |
| 386 | Mixed micellization of gemini surfactant with nonionic surfactant in aqueous media: a fluorometric study. <i>Colloid Journal</i> , 2013, 75, 235-240. | 0.5 | 22 |
| 387 | Soluble colloidal manganese dioxide: Formation, identification and prospects of application. <i>Colloid Journal</i> , 2013, 75, 538-542. | 0.5 | 20 |
| 388 | Highly sensitive and stable phenyl hydrazine chemical sensors based on CuO flower shapes and hollow spheres. <i>New Journal of Chemistry</i> , 2013, 37, 1098. | 1.4 | 71 |
| 389 | Multi-layered mesoporous TiO ₂ thin films with large pores and highly crystalline frameworks for efficient photoelectrochemical conversion. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1591-1599. | 5.2 | 91 |
| 390 | Synthesis, characterization of silver nanoparticle embedded polyaniline tungstophosphate-nanocomposite cation exchanger and its application for heavy metal selective membrane. <i>Composites Part B: Engineering</i> , 2013, 45, 1486-1492. | 5.9 | 81 |
| 391 | Selective determination of gold(III) ion using CuO microsheets as a solid phase adsorbent prior by ICP-OES measurement. <i>Talanta</i> , 2013, 104, 75-82. | 2.9 | 57 |
| 392 | Synthesis and environmental applications of cellulose/ZrO ₂ nanohybrid as a selective adsorbent for nickel ion. <i>Composites Part B: Engineering</i> , 2013, 50, 253-258. | 5.9 | 68 |
| 393 | Growth of Mn ₃ O ₄ on cellulose matrix: Nanohybrid as a solid phase adsorbent for trivalent chromium. <i>Applied Surface Science</i> , 2013, 270, 539-544. | 3.1 | 29 |
| 394 | A New Trend on Biosensor for Neurotransmitter Choline/Acetylcholine—An Overview. <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 1927-1939. | 1.4 | 21 |
| 395 | Analysis of Mixed Micellar Behavior of Promazine Hydrochloride with Surfactants in Aqueous Medium at Different Temperatures and Compositions. <i>Zeitschrift Fur Physikalische Chemie</i> , 2013, 227, 1671-1686. | 1.4 | 4 |
| 396 | Selective detection of toxic Pb(II) ions based on wet-chemically prepared nanosheets integrated Cu—ZnO nanocomposites. <i>Composites Part B: Engineering</i> , 2013, 54, 215-223. | 5.9 | 56 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 397 | A facile route to cage-like mesoporous silica coated ZSM-5 combined with Pt immobilization. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7525. | 5.2 | 29 |
| 398 | Hierarchical Cu ₂ S Microsponges Constructed from Nanosheets for Efficient Photocatalysis. <i>Small</i> , 2013, 9, 2702-2708. | 5.2 | 85 |
| 399 | Chloride ion sensors based on low-dimensional γ -MnO ₂ @Co ₃ O ₄ nanoparticles fabricated glassy carbon electrodes by simple μ V technique. <i>Electrochimica Acta</i> , 2013, 103, 143-150. | 2.6 | 73 |
| 400 | Mechanistic investigation of the oxidation of Cefuroxime by hexacyanoferrate(III) in alkaline conditions. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 595-600. | 2.9 | 14 |
| 401 | Crystallographic Studies of Dehydration Phenomenon in Methyl 3-hydroxy-2-methyl-1,1,4-trioxo-1,2,3,4-tetrahydro-1H-6-benzo[e][1,2]thiazine-3-carboxylate. <i>Journal of Chemical Crystallography</i> , 2013, 43, 671-676. | 0.5 | 28 |
| 402 | Large-scale Synthesis of Low-dimension Un-doped Iron Oxide Nanoparticles by a Wet-Chemical Method: Efficient Photo-catalyst & Sensitive Chemi-sensor Applications. <i>Micro and Nanosystems</i> , 2013, 5, 3-13. | 0.3 | 5 |
| 403 | Advanced Aqueous Ammonia Monitoring by Perceptive Chemi-Sensor for Environmental Safety. <i>Micro and Nanosystems</i> , 2013, 5, 29-34. | 0.3 | 0 |
| 404 | Hydrothermally Preparation and Characterization of Un-doped Manganese Oxide Nanostructures: Efficient Photocatalysis and Chemical Sensing Applications. <i>Micro and Nanosystems</i> , 2013, 5, 22-28. | 0.3 | 9 |
| 405 | Association of Diabetes in Pregnancy with Child Weight at Birth, Age 12 Months and 5 Years – A Population-Based Electronic Cohort Study. <i>PLoS ONE</i> , 2013, 8, e79803. | 1.1 | 15 |
| 406 | Fabrication of Ethanol Chemical Sensors Based on As-Prepared Gd ₂ O ₃ Nanorods by Facile Hydrothermal Routes. <i>Journal of Colloid Science and Biotechnology</i> , 2013, 2, 322-327. | 0.2 | 8 |
| 407 | Fabrication of Highly Sensitive Chemi-Sensor and Efficient Photocatalyst Based On ZnO Nanostructured Material. <i>Micro and Nanosystems</i> , 2013, 5, 38-46. | 0.3 | 4 |
| 408 | Self-Assembled Layer based on Carbon Nanotubes Conjugated 1-Aminononethiol on Gold Substrates. <i>Micro and Nanosystems</i> , 2013, 5, 47-54. | 0.3 | 1 |
| 409 | Editorial (Hot Topic: Doped and Un-doped Semiconductor Nanomaterials and Applications). <i>Micro and Nanosystems</i> , 2013, 5, 2-2. | 0.3 | 0 |
| 410 | Development of Mediator-Free Acetylcholine Biosensor Based on Acetylcholine Oxidase Immobilized Micro-Chips. <i>Current Proteomics</i> , 2012, 9, 272-279. | 0.1 | 19 |
| 411 | A thermally and mechanically stable eco-friendly nanocomposite for chemical sensor applications. <i>New Journal of Chemistry</i> , 2012, 36, 2368. | 1.4 | 26 |
| 412 | Fabrication of a methanol chemical sensor based on hydrothermally prepared γ -Fe ₂ O ₃ codoped SnO ₂ nanocubes. <i>Talanta</i> , 2012, 95, 18-24. | 2.9 | 66 |
| 413 | Electrochemical determination of olmesartan medoxomil using hydrothermally prepared nanoparticles composed SnO ₂ @Co ₃ O ₄ nanocubes in tablet dosage forms. <i>Talanta</i> , 2012, 99, 924-931. | 2.9 | 72 |
| 414 | Fabrication of ZnO nanoparticles based sensitive methanol sensor and efficient photocatalyst. <i>Applied Surface Science</i> , 2012, 258, 7515-7522. | 3.1 | 110 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 415 | Cobalt doped antimony oxide nano-particles based chemical sensor and photo-catalyst for environmental pollutants. <i>Applied Surface Science</i> , 2012, 261, 52-58. | 3.1 | 66 |
| 416 | Highly sensitive formaldehyde chemical sensor based on hydrothermally prepared spinel ZnFe ₂ O ₄ nanorods. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 932-937. | 4.0 | 98 |
| 417 | Selective Iron(III) ion uptake using CuO-TiO ₂ nanostructure by inductively coupled plasma-optical emission spectrometry. <i>Chemistry Central Journal</i> , 2012, 6, 158. | 2.6 | 37 |
| 418 | Highly sensitive methanol chemical sensor based on undoped silver oxide nanoparticles prepared by a solution method. <i>Mikrochimica Acta</i> , 2012, 178, 99-106. | 2.5 | 96 |
| 419 | Fabrication of highly sensitive acetone sensor based on sonochemically prepared as-grown Ag ₂ O nanostructures. <i>Chemical Engineering Journal</i> , 2012, 192, 122-128. | 6.6 | 87 |
| 420 | Detection of aprepitant drug based on low-dimensional un-doped iron oxide nanoparticles prepared by a solution method. <i>Electrochimica Acta</i> , 2012, 75, 164-170. | 2.6 | 55 |
| 421 | Fabrication of Highly Sensitive Ethanol Chemical Sensor Based on Sm-Doped Co ₃ O ₄ Nanokernels by a Hydrothermal Method. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9503-9510. | 1.5 | 130 |
| 422 | Synthesis, characterizations, photocatalytic and sensing studies of ZnO nanocapsules. <i>Applied Surface Science</i> , 2011, 258, 672-677. | 3.1 | 96 |
| 423 | CuO Codoped ZnO Based Nanostructured Materials for Sensitive Chemical Sensor Applications. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 1346-1351. | 4.0 | 162 |
| 424 | Special susceptible aqueous ammonia chemi-sensor: Extended applications of novel UV-curable polyurethane-clay nanohybrid. <i>Talanta</i> , 2011, 84, 1005-1010. | 2.9 | 66 |
| 425 | Low-temperature growth of ZnO nanoparticles: Photocatalyst and acetone sensor. <i>Talanta</i> , 2011, 85, 943-949. | 2.9 | 171 |
| 426 | Role of ZnO-CeO ₂ Nanostructures as a Photo-catalyst and Chemi-sensor. <i>Journal of Materials Science and Technology</i> , 2011, 27, 594-600. | 5.6 | 156 |
| 427 | Fabrication of Mediator-Free Glutamate Sensors Based on Glutamate Oxidase Using Smart Micro-Devices. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 351-357. | 0.5 | 33 |
| 428 | Studies on Photocatalytic Degradation of Acridine Orange and Chloroform Sensing Using As-Grown Antimony oxide Microstructures. <i>Materials Sciences and Applications</i> , 2011, 02, 676-683. | 0.3 | 8 |
| 429 | Fabrication of chloroform sensor based on hydrothermally prepared low-dimensional γ -Fe ₂ O ₃ nanoparticles. <i>Superlattices and Microstructures</i> , 2011, 50, 369-376. | 1.4 | 59 |
| 430 | Exploration of CeO ₂ nanoparticles as a chemi-sensor and photo-catalyst for environmental applications. <i>Science of the Total Environment</i> , 2011, 409, 2987-2992. | 3.9 | 236 |
| 431 | Ethanol chemi-sensor: Evaluation of structural, optical and sensing properties of CuO nanosheets. <i>Materials Letters</i> , 2011, 65, 1400-1403. | 1.3 | 127 |
| 432 | Highly sensitive ethanol chemical sensor based on Ni-doped SnO ₂ nanostructure materials. <i>Biosensors and Bioelectronics</i> , 2011, 28, 127-134. | 5.3 | 161 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 433 | Smart chemical sensor and active photo-catalyst for environmental pollutants. Chemical Engineering Journal, 2011, 173, 178-184. | 6.6 | 103 |
| 434 | Characterization and applications of as-grown $\hat{1}^2$ -Fe ₂ O ₃ nanoparticles prepared by hydrothermal method. Journal of Nanoparticle Research, 2011, 13, 3789-3799. | 0.8 | 93 |
| 435 | Utilization of CuO Layered Hexagonal Disks for Room-Temperature Aqueous Ammonia Sensing Application. , 2011, , . | | 0 |
| 436 | 6-Bromo-4-hydrazinylidene-1-methyl-3H-2 $\hat{1}$ »6,1-benzothiazine-2,2-dione. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2078-o2078. | 0.2 | 3 |
| 437 | Fabrication of self-assembled monolayer using carbon nanotubes conjugated 1-aminoundecanethiol on gold substrates. Natural Science, 2011, 03, 208-217. | 0.2 | 3 |
| 438 | N-(2-Methoxyphenyl)-4-methylbenzenesulfonamide. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o2976-o2976. | 0.2 | 1 |
| 439 | ZnO Nanorods Based Hydrazine Sensors. Journal of Nanoscience and Nanotechnology, 2009, 9, 4686-4691. | 0.9 | 52 |
| 440 | MgO polyhedral nanocages and nanocrystals based glucose biosensor. Electrochemistry Communications, 2009, 11, 1353-1357. | 2.3 | 77 |
| 441 | Development of a highly-sensitive acetylcholine sensor using a charge-transfer technique on a smart biochip. TrAC - Trends in Analytical Chemistry, 2009, 28, 196-203. | 5.8 | 50 |
| 442 | Development of amperometric glucose biosensor based on glucose oxidase co-immobilized with multi-walled carbon nanotubes at low potential. Sensors and Actuators B: Chemical, 2009, 137, 327-333. | 4.0 | 121 |
| 443 | Ultra-sensitive cholesterol biosensor based on low-temperature grown ZnO nanoparticles. Electrochemistry Communications, 2009, 11, 118-121. | 2.3 | 208 |
| 444 | Enzymatic glucose biosensor based on flower-shaped copper oxide nanostructures composed of thin nanosheets. Electrochemistry Communications, 2009, 11, 278-281. | 2.3 | 162 |
| 445 | Fabrication of a highly sensitive penicillin sensor based on charge transfer techniques. Biosensors and Bioelectronics, 2009, 24, 1877-1882. | 5.3 | 51 |
| 446 | A lactate biosensor based on lactate dehydrogenase/nicotinamide adenine dinucleotide (oxidized) Tj ETQqO O O rgBT /Overlock 10 Tf 50 Biochemistry, 2009, 384, 159-165. | 1.1 | 121 |
| 447 | Development of a glutamate biosensor based on glutamate oxidase using smart-biochips. , 2009, , . | | 2 |
| 448 | Ultra-sensitive hydrazine chemical sensor based on high-aspect-ratio ZnO nanowires. Talanta, 2009, 77, 1376-1380. | 2.9 | 121 |
| 449 | Highly-sensitive cholesterol biosensor based on well-crystallized flower-shaped ZnO nanostructures. Talanta, 2009, 78, 284-289. | 2.9 | 179 |
| 450 | Two-dimensional label-free acetylcholine image sensor for imaging neuronal communication. , 2009, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 451 | Development of Self-Assembled Monolayers of Single-Walled Carbon Nanotubes Assisted Cysteamine on Gold Electrodes. <i>Advanced Science Letters</i> , 2009, 2, 28-34. | 0.2 | 18 |
| 452 | Zinc oxide nanonail based chemical sensor for hydrazine detection. <i>Chemical Communications</i> , 2008, , 166-168. | 2.2 | 442 |
| 453 | ZnO Nanonails: Synthesis and Their Application as Glucose Biosensor. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 3216-3221. | 0.9 | 89 |
| 454 | Studies of electrochemical behavior of SWNT-film electrodes. <i>Journal of the Brazilian Chemical Society</i> , 2007, 18, 1150-1157. | 0.6 | 36 |
| 455 | Thermal effect on the voltammogram of 7-ferrocenecarboxyloxy-1-heptanethiol self-assembled monolayer. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 5648-5654. | 0.8 | 13 |
| 456 | Helicobacter pylori Infection in the Young in Bangladesh: Prevalence, Socioeconomic and Nutritional Aspects. <i>International Journal of Epidemiology</i> , 1996, 25, 894-898. | 0.9 | 74 |
| 457 | Introductory Chapter: Electrochemical Sensors Technology. , 0, , . | | 2 |
| 458 | Introductory Chapter: Fundamentals of Semiconductor Photocatalysis. , 0, , . | | 1 |
| 459 | Eco-Friendly Fluorescent Carbon Nanodots: Characteristics and Potential Applications. , 0, , . | | 4 |
| 460 | Highly sensitive and efficient hydrazine sensor probe development based on MoO ₃ /CuO/ZnO ternary mixed metal oxide nano-composites for sustainable environment. <i>Electrochemical Science Advances</i> , 0, , e2100031. | 1.2 | 2 |
| 461 | Highly sensitive sensor probe development with ZCCO nano-capsule composites for the selective detection of unsafe methanol chemical by electrochemical technique. <i>Applied Nanoscience (Switzerland)</i> , 0, , 1. | 1.6 | 2 |
| 462 | Advanced Biopolymer-Based Nanocomposites: Current Perspective and Future Outlook in Electrochemical and Biomedical Fields. <i>ACS Symposium Series</i> , 0, , 341-354. | 0.5 | 0 |
| 463 | Functional Bionanomaterials Embedded Devices for Sustainable Energy Storage. <i>ACS Symposium Series</i> , 0, , 1-23. | 0.5 | 2 |