# Shikandar D Bukkitgar

List of Publications by Year
in descending order



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|---|---|---|---|
| 35 papers | 1,805 citations | 331670 21 h-index | 395702 33 g-index |
| 35 all docs | 35 docs citations | 35 times ranked | 1649 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | ZnO-based nanostructured electrodes for electrochemical sensors and biosensors in biomedical applications. Biosensors and Bioelectronics, 2019, 141, 111417. | 10.1 | 300 |
| 2 | Nanostructured titanium oxide hybrids-based electrochemical biosensors for healthcare applications. Colloids and Surfaces B: Biointerfaces, 2019, 178, 385-394. | 5.0 | 156 |
| 3 | Electrochemical Sensors and Biosensors Based on Graphene Functionalized with Metal Oxide Nanostructures for Healthcare Applications. ChemistrySelect, 2019, 4, 5322-5337. | 1.5 | 140 |
| 4 | Electrochemical behavior of an anticancer drug 5-fluorouracil at methylene blue modified carbon paste electrode. Materials Science and Engineering C, 2016, 65, 262-268. | 7.3 | 103 |
| 5 | Point of care detection of COVID-19: Advancement in biosensing and diagnostic methods. Chemical Engineering Journal, 2021, 414, 128759. | 12.7 | 100 |
| 6 | Electro-Catalytic Behavior of Mg-Doped ZnO Nano-Flakes for Oxidation of Anti-Inflammatory Drug. Journal of the Electrochemical Society, 2019, 166, B3072-B3078. | 2.9 | 88 |
| 7 | Novel ruthenium doped TiO2/reduced graphene oxide hybrid as highly selective sensor for the determination of ambroxol. Journal of Molecular Liquids, 2020, 300, 112368. | 4.9 | 79 |
| 8 | Electro-sensing base for mefenamic acid on a 5% barium-doped zinc oxide nanoparticle modified electrode and its analytical application. RSC Advances, 2015, 5, 104891-104899. | 3.6 | 76 |
| 9 | Electrochemical investigations for COVID-19 detection-A comparison with other viral detection methods. Chemical Engineering Journal, 2021, 420, 127575. | 12.7 | 76 |
| 10 | Fabrication of a TiO‹sub›2‹/sub›and clay nanoparticle composite electrode as a sensor. Analytical Methods, 2017, 9, 4387-4393. | 2.7 | 74 |
| 11 | Electrochemical oxidation of nimesulide in aqueous acid solutions based on TiO2 nanostructure modified electrode as a sensor. Journal of Electroanalytical Chemistry, 2016, 778, 103-109. | 3.8 | 73 |
| 12 | Electro-oxidation of nimesulide at 5% barium-doped zinc oxide nanoparticle modified glassy carbon electrode. Journal of Electroanalytical Chemistry, 2016, 762, 37-42. | 3.8 | 71 |
| 13 | Construction of nanoparticles composite sensor for atorvastatin and its determination in pharmaceutical and urine samples. Sensors and Actuators B: Chemical, 2018, 255, 1462-1470. | 7.8 | 69 |
| 14 | Electrochemical Sensor for the Determination of Anticancer Drug 5- Fluorouracil at Glucose Modified Electrode. ChemistrySelect, 2016, 1, 771-777. | 1.5 | 55 |
| 15 | Functional nanostructured metal oxides and its hybrid electrodes â€“ Recent advancements in electrochemical biosensing applications. Microchemical Journal, 2020, 159, 105522. | 4.5 | 50 |
| 16 | Novel nanoclay-based electrochemical sensor for highly efficient electrochemical sensing nimesulide. Journal of Physics and Chemistry of Solids, 2020, 137, 109210. | 4.0 | 45 |
| 17 | Electrochemical behavior of anticancer drug 5-fluorouracil at carbon paste electrode and its analytical application. Journal of Analytical Science and Technology, 2016, 7, . | 2.1 | 43 |
| 18 | Ultrasonication and electrochemically-assisted synthesis of reduced graphene oxide nanosheets for electrochemical sensor applications. FlatChem, 2020, 23, 100183. | 5.6 | 40 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Conventional and Nanotechnology-Based Sensing Methods for SARS Coronavirus (2019-nCoV). ACS Applied Bio Materials, 2021, 4, 1178-1190. | 4.6 | 40 |
| 20 | Electro-oxidation and determination of nimesulide at nanosilica modified sensor. Materials Science for Energy Technologies, 2019, 2, 396-400. | 1.8 | 26 |
| 21 | Electro-oxidation and determination of 2-thiouracil at TiO2 nanoparticles-modified gold electrode. Surfaces and Interfaces, 2017, 6, 127-133. | 3.0 | 22 |
| 22 | Electrochemical behavior of theophylline at methylene blue dye modified electrode and its analytical application. Materials Today: Proceedings, 2018, 5, 21474-21481. | 1.8 | 16 |
| 23 | Electrooxidation of antihistamine drug methdilazine and its analysis in human urine and blood samples. Cogent Chemistry, 2016, 2, 1153274. | 2.5 | 9 |
| 24 | Nano level detection and analysis of an antiviral drug at ZnO nanoparticles modified sensor. Materials Today: Proceedings, 2019, 18, 1568-1573. | 1.8 | 9 |
| 25 | Electrochemical oxidation of loop diuretic furosemide in aqueous acid medium and its analytical application. Cogent Chemistry, 2016, 2, 1152784. | 2.5 | 7 |
| 26 | Electrochemical Behavior of an Anti-Viral Drug Valacyclovir at Carbon Paste Electrode and Its Analytical Application. Russian Journal of Electrochemistry, 2018, 54, 760-768. | 0.9 | 7 |
| 27 | TiO2 nanoparticles modified sensor for theophylline drug. Materials Today: Proceedings, 2019, 18, 606-612. | 1.8 | 7 |
| 28 | Electroanalysis of 1,3â€“dimethylexanthine at zinc oxide nanoparticles modified electrode. Materials Today: Proceedings, 2019, 18, 590-595. | 1.8 | 6 |
| 29 | Electrochemical behavior of mefenamic acid at zinc oxide nanoparticles modified carbon paste electrode. Materials Today: Proceedings, 2018, 5, 21458-21465. | 1.8 | 5 |
| 30 | Applications of zinc oxide nanoparticles as an electrode modifier for ambroxol. Materials Today: Proceedings, 2019, 18, 963-967. | 1.8 | 5 |
| 31 | Nano-silica modified electrode as a sensor for the determination of mefenamic acid - A voltammetric sensor. Materials Today: Proceedings, 2018, 5, 21466-21473. | 1.8 | 4 |
| 32 | Nanostructured electrodes. , 2022, , 147-175. | | 2 |
| 33 | Electroanalysis of theophylline at eriochrome black â€“T and graphite powder composite electrode. AIP Conference Proceedings, 2018, , . | 0.4 | 1 |
| 34 | Voltammetric sensor for secretolytic agent ambroxol at titanium dioxide nanoparticles modified electrode. Materials Today: Proceedings, 2019, 18, 941-946. | 1.8 | 1 |
| 35 | Nanosilica modified sensor for the electro-oxidation and determination of an antihistamine drug. Materials Today: Proceedings, 2019, 18, 1562-1567. | 1.8 | 0 |