# Mahmood H Akhtar

List of Publications by Year
in descending order



| 17 | 528 | 840776 11 | 888059 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 17 | 17 | 17 | 787 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Catalytic SrMoO<sub>4</sub> nanoparticles and conducting polymer composite sensor for monitoring of K<sup>+</sup>-induced dopamine release from neuronal cells. Journal of Materials Chemistry B, 2022, 10, 728-736. | 5.8 | 5 |
| 2 | In situ synthesis of a functional ZIF-8 nanocomposite for synergistic photodynamicâ€“chemotherapy and pH and NIR-stimulated drug release. New Journal of Chemistry, 2022, 46, 6966-6970. | 2.8 | 2 |
| 3 | Single-step synthesis of magnesium-iron borates composite; an efficient electrocatalyst for dopamine detection. Microchemical Journal, 2021, 160, 105679. | 4.5 | 3 |
| 4 | Photothermal and colorimetric dual-readout silver ions determination utilizing the oxidase-mimicking activity of MnO2 nanosheets. Sensors and Actuators B: Chemical, 2021, 346, 130494. | 7.8 | 14 |
| 5 | Prediction of the Ultimate Strength of Notched and Unnotched IM7/977-3 Laminated Composites Using a Micromechanics Approach. Polymers, 2021, 13, 3491. | 4.5 | 3 |
| 6 | A Sensor for Serotonin and Dopamine Detection in Cancer Cells Line Based on the Conducting Polymerâ^'Pd Complex Composite. Electroanalysis, 2020, 32, 520-527. | 2.9 | 16 |
| 7 | CuO Hollow Cubic Caves Wrapped with Biogenic N-Rich Graphitic C for Simultaneous Monitoring of Uric Acid and Xanthine. ACS Applied Materials & Interfaces, 2020, 12, 47320-47329. | 8.0 | 30 |
| 8 | Polymer matrix: A good substrate material for oxygen probes used in pressure sensitive paints. Advances in Colloid and Interface Science, 2020, 283, 102240. | 14.7 | 10 |
| 9 | Nano-biosensor for the in vitro lactate detection using bi-functionalized conducting polymer/N, S-doped carbon; the effect of Î±CHC inhibitor on lactate level in cancer cell lines. Biosensors and Bioelectronics, 2020, 155, 112094. | 10.1 | 25 |
| 10 | H 2 O 2 Screening from Saliva of Gum Diseasedâ€patient through CNâ€dot Wrapped Cu 2 O Nanoâ€frogspawns Ionic Liquid Nanocomposite. Electroanalysis, 2020, 32, 1664-1670. | 2.9 | 5 |
| 11 | Membraneâ€Free Detection of Metal Cations with an Organic Electrochemical Transistor. Advanced Functional Materials, 2019, 29, 1904403. | 14.9 | 80 |
| 12 | Early detection of lung cancer biomarkers through biosensor technology: A review. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 93-103. | 2.8 | 128 |
| 13 | Performance comparison between multienzymes loaded single and dual electrodes for the simultaneous electrochemical detection of adenosine and metabolites in cancerous cells. Biosensors and Bioelectronics, 2018, 109, 263-271. | 10.1 | 12 |
| 14 | Ultrasensitive dual probe immunosensor for the monitoring of nicotine induced-brain derived neurotrophic factor released from cancer cells. Biosensors and Bioelectronics, 2018, 116, 108-115. | 10.1 | 63 |
| 15 | Detection of Ca2+-induced acetylcholine released from leukemic T-cells using an amperometric microfluidic sensor. Biosensors and Bioelectronics, 2017, 98, 364-370. | 10.1 | 39 |
| 16 | Sensitive NADH detection in a tumorigenic cell line using a nano-biosensor based on the organic complex formation. Biosensors and Bioelectronics, 2016, 85, 488-495. | 10.1 | 19 |
| 17 | An amperometric nanobiosensor for the selective detection of K+-induced dopamine released from living cells. Biosensors and Bioelectronics, 2015, 68, 421-428. | 10.1 | 74 |