

Mahmood H Akhtar

List of Publications by Year in descending order

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17
papers

528
citations

840776

11
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

787
citing authors

#	ARTICLE	IF	CITATIONS
1	Early detection of lung cancer biomarkers through biosensor technology: A review. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 93-103.	2.8	128
2	Membrane-Free Detection of Metal Cations with an Organic Electrochemical Transistor. Advanced Functional Materials, 2019, 29, 1904403.	14.9	80
3	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
4	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
5	Detection of Ca ²⁺ -induced acetylcholine released from leukemic T-cells using an amperometric microfluidic sensor. Biosensors and Bioelectronics, 2017, 98, 364-370.	10.1	39
6	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
7	Nano-biosensor for the in vitro lactate detection using bi-functionalized conducting polymer/N, S-doped carbon; the effect of β -CHC inhibitor on lactate level in cancer cell lines. Biosensors and Bioelectronics, 2020, 155, 112094.	10.1	25
8	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
9	A Sensor for Serotonin and Dopamine Detection in Cancer Cells Line Based on the Conducting Polymer-Pd Complex Composite. Electroanalysis, 2020, 32, 520-527.	2.9	16
10	Photothermal and colorimetric dual-readout silver ions determination utilizing the oxidase-mimicking activity of MnO ₂ nanosheets. Sensors and Actuators B: Chemical, 2021, 346, 130494.	7.8	14
11	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
12	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
13	H ₂ O ₂ Screening from Saliva of Gum Diseased-patient through CN- Wrapped Cu ₂ O Nano-frogspawns Ionic Liquid Nanocomposite. Electroanalysis, 2020, 32, 1664-1670.	2.9	5
14	Catalytic SrMoO ₄ nanoparticles and conducting polymer composite sensor for monitoring of K ⁺ -induced dopamine release from neuronal cells. Journal of Materials Chemistry B, 2022, 10, 728-736.	5.8	5
15	Single-step synthesis of magnesium-iron borates composite; an efficient electrocatalyst for dopamine detection. Microchemical Journal, 2021, 160, 105679.	4.5	3
16	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
17	<i>In situ</i> synthesis of a functional ZIF-8 nanocomposite for synergistic photodynamic chemotherapy and pH and NIR-stimulated drug release. New Journal of Chemistry, 2022, 46, 6966-6970.	2.8	2