# Ayesha Aziz

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/202620/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 30<br>papers | 1,771<br>citations | 361413<br>20<br>h-index | 454955<br>30<br>g-index |
| 30<br>all docs | 30<br>docs citations | 30<br>times ranked | 1283<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Turning the Page: Advancing Detection Platforms for Sulfate Reducing Bacteria and their Perks. Chemical Record, 2022, 22, . | 5.8 | 11 |
| 2 | Unveiling microbiologically influenced corrosion engineering to transfigure damages into benefits: A textile sensor for H2O2 detection in clinical cancer tissues. Chemical Engineering Journal, 2022, 427, 131398. | 12.7 | 54 |
| 3 | Boosting electrocatalytic activity of carbon fiber@fusiform-like copper-nickel LDHs: Sensing of nitrate as biomarker for NOB detection. Journal of Hazardous Materials, 2022, 422, 126907. | 12.4 | 34 |
| 4 | Advancing interfacial properties of carbon cloth via anodic-induced self-assembly of MOFs film integrated with Î±-MnO2: A sustainable electrocatalyst sensing acetylcholine. Journal of Hazardous Materials, 2022, 426, 128133. | 12.4 | 19 |
| 5 | Boosting the Electrochemical Performance of PI-5-CA/C-SWCNT Nanohybrid for Sensitive Detection of E. coli O157:H7 From the Real Sample. Frontiers in Chemistry, 2022, 10, 843859. | 3.6 | 3 |
| 6 | Extension of duplex specific nuclease sensing application with RNA aptamer. Talanta, 2022, 242, 123314. | 5.5 | 7 |
| 7 | Showcasing advanced electrocatalytic behavior of layered double hydroxide wrapped on carbon nanotubes: Real-time monitoring of L-cysteine in biological matrices. Chemical Engineering Journal, 2022, 440, 135985. | 12.7 | 21 |
| 8 | Tuning the Redox Chemistry of Copper Oxide Nanoarchitectures Integrated with rGOP via Facet Engineering: Sensing H<sub>2</sub>S toward SRB Detection. ACS Applied Materials & Interfaces, 2022, 14, 19480-19490. | 8.0 | 13 |
| 9 | A Multicomponent Polymer-Metal-Enzyme System as Electrochemical Biosensor for H2O2 Detection. Frontiers in Chemistry, 2022, 10, 874965. | 3.6 | 5 |
| 10 | Engineering MOFs derived metal oxide nanohybrids: Towards electrochemical sensing of catechol in tea samples. Food Chemistry, 2022, 395, 133642. | 8.2 | 23 |
| 11 | Detecting and inactivating severe acute respiratory syndrome coronavirus-2 under the auspices of electrochemistry. Current Research in Chemical Biology, 2021, 1, 100001. | 2.9 | 18 |
| 12 | Bacteriophage-based advanced bacterial detection: Concept, mechanisms, and applications. Biosensors and Bioelectronics, 2021, 177, 112973. | 10.1 | 66 |
| 13 | COVID-19 Impacts, Diagnosis and Possible Therapeutic Techniques: A Comprehensive Review. Current Pharmaceutical Design, 2021, 27, 1170-1184. | 1.9 | 13 |
| 14 | Trends in biosensing platforms for SARS-CoV-2 detection: A critical appraisal against standard detection tools. Current Opinion in Colloid and Interface Science, 2021, 52, 101418. | 7.4 | 46 |
| 15 | Tuning Electrocatalytic Aptitude by Incorporating Î±-MnO<sub>2</sub> Nanorods in Cu-MOF/rGO/CuO Hybrids: Electrochemical Sensing of Resorcinol for Practical Applications. ACS Applied Materials & Interfaces, 2021, 13, 31462-31473. | 8.0 | 64 |
| 16 | Topical advances in nanomaterials based electrochemical sensors for resorcinol detection. Trends in Environmental Analytical Chemistry, 2021, 31, e00138. | 10.3 | 34 |
| 17 | Rice-Spikelet-like Copper Oxide Decorated with Platinum Stranded in the CNT Network for Electrochemical In Vitro Detection of Serotonin. ACS Applied Materials & Interfaces, 2021, 13, 6023-6033. | 8.0 | 64 |
| 18 | The role of biosensors in coronavirus disease-2019 outbreak. Current Opinion in Electrochemistry, 2020, 23, 174-184. | 4.8 | 100 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Facet-energy inspired metal oxide extended hexapods decorated with graphene quantum dots: sensitive detection of bisphenol A in live cells. Nanoscale, 2020, 12, 9014-9023. | 5.6 | 35 |
| 20 | High-density phage particles immobilization in surface-modified bacterial cellulose for ultra-sensitive and selective electrochemical detection of Staphylococcus aureus. Biosensors and Bioelectronics, 2020, 157, 112163. | 10.1 | 150 |
| 21 | Advancements in electrochemical sensing of hydrogen peroxide, glucose and dopamine by using 2D nanoarchitectures of layered double hydroxides or metal dichalcogenides. A review. Mikrochimica Acta, 2019, 186, 671. | 5.0 | 91 |
| 22 | Nanocomposites consisting of copper and copper oxide incorporated into MoS4 nanostructures for sensitive voltammetric determination of bisphenol A. Mikrochimica Acta, 2019, 186, 337. | 5.0 | 41 |
| 23 | Hierarchical CNTs@CuMn Layered Double Hydroxide Nanohybrid with Enhanced Electrochemical Performance in H<sub>2</sub>S Detection from Live Cells. Analytical Chemistry, 2019, 91, 3912-3920. | 6.5 | 127 |
| 24 | Superlattice stacking by hybridizing layered double hydroxide nanosheets with layers of reduced graphene oxide for electrochemical simultaneous determination of dopamine, uric acid and ascorbic acid. Mikrochimica Acta, 2019, 186, 61. | 5.0 | 133 |
| 25 | Self-stacking of exfoliated charged nanosheets of LDHs and graphene as biosensor with real-time tracking of dopamine from live cells. Analytica Chimica Acta, 2019, 1047, 197-207. | 5.4 | 98 |
| 26 | Facet-Inspired Coreâ€“Shell Gold Nanoislands on Metal Oxide Octadecahedral Heterostructures: High Sensing Performance toward Sulfide in Biotic Fluids. ACS Applied Materials & Interfaces, 2018, 10, 36675-36685. | 8.0 | 80 |
| 27 | A review on electrochemical biosensing platform based on layered double hydroxides for small molecule biomarkers determination. Advances in Colloid and Interface Science, 2018, 262, 21-38. | 14.7 | 107 |
| 28 | Core-shell iron oxide-layered double hydroxide: High electrochemical sensing performance of H2O2 biomarker in live cancer cells with plasma therapeutics. Biosensors and Bioelectronics, 2017, 97, 352-359. | 10.1 | 135 |
| 29 | Metal oxide intercalated layered double hydroxide nanosphere: With enhanced electrocatalyic activity towards H 2 O 2 for biological applications. Sensors and Actuators B: Chemical, 2017, 239, 243-252. | 7.8 | 129 |
| 30 | Real-time tracking of hydrogen peroxide secreted by live cells using MnO2 nanoparticles intercalated layered doubled hydroxide nanohybrids. Analytica Chimica Acta, 2015, 898, 34-41. | 5.4 | 50 |