

Tassawar Hussain

List of Publications by Year in descending order

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13
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Highly porous, hierarchical peanut-like Eucalyptus binary metal oxide nanostructures for the high-efficiency detoxification of organic dyes from wastewater. <i>Ceramics International</i> , 2022, 48, 1057-1067. | 4.8 | 3 |
| 2 | Bifunctional iron molybdate as highly effective heterogeneous electro-Fenton catalyst and Li-ion battery anode. <i>Chemosphere</i> , 2022, 286, 131846. | 8.2 | 5 |
| 3 | Cellulose Nanocrystal Based Bio-Memristor as a Green Artificial Synaptic Device for Neuromorphic Computing Applications. <i>Advanced Materials Technologies</i> , 2022, 7, 2100744. | 5.8 | 29 |
| 4 | Microwave-assisted synthesis of NiTe ₂ photocatalyst as a facile and scalable approach for energy-efficient photocatalysis and detoxification of harmful organic dyes. <i>Separation and Purification Technology</i> , 2022, 282, 120025. | 7.9 | 12 |
| 5 | Power efficient transistors with low subthreshold swing using abrupt switching devices. <i>Nano Energy</i> , 2022, 95, 107060. | 16.0 | 16 |
| 6 | Stabilization of AZ31 Mg alloy in sea water via dual incorporation of MgO and WO ₃ during micro-arc oxidation. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157036. | 5.5 | 43 |
| 7 | Highly Fast Response of Pd/Ta ₂ O ₅ /SiC and Pd/Ta ₂ O ₅ /Si Schottky Diode-Based Hydrogen Sensors. <i>Sensors</i> , 2021, 21, 1042. | 3.8 | 3 |
| 8 | Influence of selenium precursors on the formation of iron selenide nanostructures (FeSe ₂): Efficient Electro-Fenton catalysts for detoxification of harmful organic dyestuffs. <i>Chemosphere</i> , 2021, 272, 129639. | 8.2 | 27 |
| 9 | Ternary Zn _{1-x} Ni _x Se nanostructures as efficient photocatalysts for detoxification of hazardous Congo red, methyl orange, and chrome yellow dyes in wastewater sources. <i>Environmental Research</i> , 2021, 201, 111587. | 7.5 | 16 |
| 10 | Tailored alumina coatings for corrosion inhibition considering the synergism between phosphate ions and benzotriazole. <i>Journal of Alloys and Compounds</i> , 2020, 822, 153566. | 5.5 | 12 |
| 11 | Formation of stable coral reef-like structures via self-assembly of functionalized polyvinyl alcohol for superior corrosion performance of AZ31 Mg alloy. <i>Materials and Design</i> , 2020, 193, 108823. | 7.0 | 37 |
| 12 | Advantage of an in-situ reactive incorporation over direct particles incorporation of V ₂ O ₅ for a competitive plasma electrolysis coating. <i>Surface and Coatings Technology</i> , 2020, 399, 126200. | 4.8 | 25 |
| 13 | Hard acid-hard base interactions responsible for densification of alumina layer for superior electrochemical performance. <i>Corrosion Science</i> , 2020, 170, 108663. | 6.6 | 36 |