

# Tassawar Hussain

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6662315/publications.pdf>

Version: 2024-02-01

13  
papers

264  
citations

933447

10  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

132  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stabilization of AZ31 Mg alloy in sea water via dual incorporation of MgO and WO <sub>3</sub> during micro-arc oxidation. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157036.	5.5	43
2	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
3	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
4	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
5	Influence of selenium precursors on the formation of iron selenide nanostructures (FeSe <sub>2</sub> ): Efficient Electro-Fenton catalysts for detoxification of harmful organic dyestuffs. <i>Chemosphere</i> , 2021, 272, 129639.	8.2	27
6	Advantage of an in-situ reactive incorporation over direct particles incorporation of V <sub>2</sub> O <sub>5</sub> for a competitive plasma electrolysis coating. <i>Surface and Coatings Technology</i> , 2020, 399, 126200.	4.8	25
7	Ternary Zn <sub>1-x</sub> Ni <sub>x</sub> 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
8	Power efficient transistors with low subthreshold swing using abrupt switching devices. <i>Nano Energy</i> , 2022, 95, 107060.	16.0	16
9	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
10	Microwave-assisted synthesis of NiTe <sub>2</sub> 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
11	Bifunctional iron molybdate as highly effective heterogeneous electro-Fenton catalyst and Li-ion battery anode. <i>Chemosphere</i> , 2022, 286, 131846.	8.2	5
12	Highly Fast Response of Pd/Ta <sub>2</sub> O <sub>5</sub> /SiC and Pd/Ta <sub>2</sub> O <sub>5</sub> /Si Schottky Diode-Based Hydrogen Sensors. <i>Sensors</i> , 2021, 21, 1042.	3.8	3
13	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