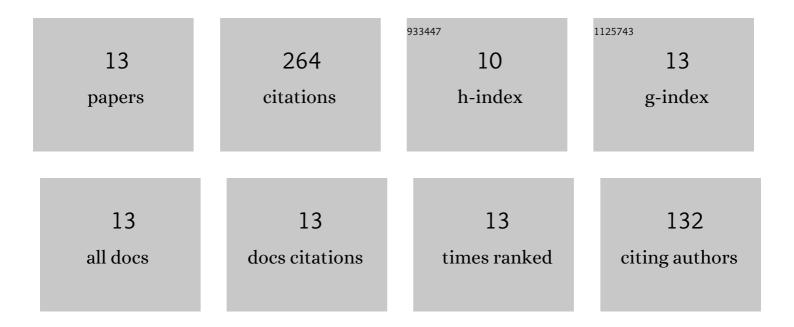
Tassawar Hussain

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Stabilization of AZ31 Mg alloy in sea water via dual incorporation of MgO and WO3 during micro-arc oxidation. Journal of Alloys and Compounds, 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. Materials and Design, 2020, 193, 108823.	7.0	37
3	Hard acid–hard base interactions responsible for densification of alumina layer for superior electrochemical performance. Corrosion Science, 2020, 170, 108663.	6.6	36
4	Cellulose Nanocrystal Based Bioâ€Memristor as a Green Artificial Synaptic Device for Neuromorphic Computing Applications. Advanced Materials Technologies, 2022, 7, 2100744.	5.8	29
5	Influence of selenium precursors on the formation of iron selenide nanostructures (FeSe2): Efficient Electro-Fenton catalysts for detoxification of harmful organic dyestuffs. Chemosphere, 2021, 272, 129639.	8.2	27
6	Advantage of an in-situ reactive incorporation over direct particles incorporation of V2O5 for a competitive plasma electrolysis coating. Surface and Coatings Technology, 2020, 399, 126200.	4.8	25
7	Ternary Zn1-xNixSe nanostructures as efficient photocatalysts for detoxification of hazardous Congo red, methyl orange, and chrome yellow dyes in wastewater sources. Environmental Research, 2021, 201, 111587.	7.5	16
8	Power efficient transistors with low subthreshold swing using abrupt switching devices. Nano Energy, 2022, 95, 107060.	16.0	16
9	Tailored alumina coatings for corrosion inhibition considering the synergism between phosphate ions and benzotriazole. Journal of Alloys and Compounds, 2020, 822, 153566.	5.5	12
10	Microwave-assisted synthesis of NiTe2 photocatalyst as a facile and scalable approach for energy-efficient photocatalysis and detoxification of harmful organic dyes. Separation and Purification Technology, 2022, 282, 120025.	7.9	12
11	Bifunctional iron molybdate as highly effective heterogeneous electro-Fenton catalyst and Li-ion battery anode. Chemosphere, 2022, 286, 131846.	8.2	5
12	Highly Fast Response of Pd/Ta2O5/SiC and Pd/Ta2O5/Si Schottky Diode-Based Hydrogen Sensors. Sensors, 2021, 21, 1042.	3.8	3
13	Highly porous, hierarchical peanut-like Ecandrewsite binary metal oxide nanostructures for the high-efficiency detoxification of organic dyes from wastewater. Ceramics International, 2022, 48, 1057-1067.	4.8	3