

Pratap Mane

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Spinel NiFe ₂ O ₄ nanoparticles decorated 2D Ti ₃ C ₂ MXene sheets for efficient water splitting: Experiments and theories. Journal of Colloid and Interface Science, 2021, 602, 232-241.	5.0	63
2	Stability and reactivity study of bio-molecules brucine and colchicine towards electrophile and nucleophile attacks: Insight from DFT and MD simulations. Journal of Molecular Liquids, 2021, 335, 116192.	2.3	53
3	1T-VS ₂ /MXene Hybrid as a Superior Electrode Material for Asymmetric Supercapacitors: Experimental and Theoretical Investigations. ACS Applied Energy Materials, 2021, 4, 14198-14209.	2.5	34
4	Comparative Study of Cold Electron Emission from 2D Ti ₃ C ₂ X MXene Nanosheets with Respect to Its Precursor Ti ₃ SiC ₂ MAX Phase. ACS Applied Electronic Materials, 2022, 4, 2656-2666.	2.0	32
5	Stabilization of Orthorhombic CoSe ₂ by 2D-rGO/MWCNT Heterostructures for Efficient Hydrogen Evolution Reaction and Flexible Energy Storage Device Applications. ACS Applied Energy Materials, 2021, 4, 11386-11399.	2.5	30
6	Promising 2D/2D MoTe ₂ /Ti ₃ C ₂ T _x Hybrid Materials for Boosted Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2021, 4, 11886-11897.	2.5	29
7	Hydrogen storage in scandium decorated triazine based g-C ₃ N ₄ : Insights from DFT simulations. International Journal of Hydrogen Energy, 2022, 47, 41878-41890.	3.8	27
8	Heterostructured Metallic 1T-VSe ₂ /Ti ₃ C ₂ T _x MXene Nanosheets for Energy Storage. ACS Applied Nano Materials, 2022, 5, 4423-4436.	2.4	21
9	Theoretical model study of adsorbed antimalarial-graphene dimers: doping effects, photophysical parameters, intermolecular interactions, edge adsorption, and SERS. Journal of Biomolecular Structure and Dynamics, 2022, 40, 13581-13592.	2.0	18
10	Graphitic carbon nitride (g-C ₃ N ₄) decorated with Yttrium as potential hydrogen storage material: Acumen from quantum simulations. International Journal of Hydrogen Energy, 2022, 47, 41898-41910.	3.8	17
11	All-solid-state asymmetric supercapacitors based on VS ₄ nano-bundles and MXene nanosheets. Journal of Materials Science, 2021, 56, 20008-20025.	1.7	16
12	Cobalt metal organic framework (Co-MOF) derived CoSe ₂ /C hybrid nanostructures for the electrochemical hydrogen evolution reaction supported by DFT studies. New Journal of Chemistry, 2022, 46, 2730-2738.	1.4	15
13	Enhanced reversible hydrogen storage efficiency of zirconium decorated biphenylene monolayer: A computational study. Energy Storage, 2022, 4, .	2.3	13
14	Supercapacitor properties of V ₁₀ O ₁₄ (OH) ₂ and reduced graphene oxide hybrids: Experimental and theoretical insights. Electrochimica Acta, 2021, 399, 139357.	2.6	12
15	Enrichment of the field emission properties of NiCo ₂ O ₄ nanostructures by UV/ozone treatment. Materials Advances, 2021, 2, 2658-2666.	2.6	8
16	Polaron assisted electrical transport and fertile field emission response in polycrystalline LiNi _{0.33} Co _{0.33} Mn _{0.33} O ₂ with theoretical insight by density functional theory. Journal of Alloys and Compounds, 2022, 891, 162056.	2.8	2