

Xin He

List of Publications by Year in descending order

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8
papers

317
citations

1477746
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1719596
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all docs

8
docs citations

8
times ranked

186
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic properties of Ptn ($n=4, 13, 15$) nanoclusters decorated MoSe ₂ monolayer and its effect on C ₂ H ₂ adsorption: First principles study. Applied Surface Science, 2021, 563, 150375.	3.1	11
2	A DFT study of dissolved gas (C ₂ H ₂ , H ₂ , CH ₄) detection in oil on CuO-modified BNNT. Applied Surface Science, 2020, 500, 144030.	3.1	123
3	Adsorption properties of pristine and Co-doped TiO ₂ (111) toward dissolved gas analysis in transformer oil. Applied Surface Science, 2020, 507, 145163.	3.1	79
4	First-Principles Study on the Potential of Monolayer Ti ₂ N as an Adsorbent for Dissolved H ₂ and C ₂ H ₂ Gases in Oil. ACS Applied Nano Materials, 2020, 3, 12346-12354.	2.4	6
5	Comparison of sensing and electronic properties of C ₂ H ₂ on different transition metal oxide nanoparticles (Fe ₂ O ₃ , NiO, TiO ₂) modified BNNT (10, 0). Applied Surface Science, 2020, 521, 146463.	3.1	59
6	TiO ₂ nanotubes based gas-sensing materials for SF ₆ decomposition products detection: A review. , 2020, , .		0
7	Adsorption of SF ₆ Decomposition Components on Pt-Doped Graphyne Monolayer: A DFT Study. IEEE Access, 2019, 7, 124026-124033.	2.6	9
8	Pt Cluster Modified h-BN for Gas Sensing and Adsorption of Dissolved Gases in Transformer Oil: A Density Functional Theory Study. Nanomaterials, 2019, 9, 1746.	1.9	30