

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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8
docs citations

8
times ranked

186
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Adsorption properties of pristine and Co-doped TiO ₂ (1 ⁰⁰ 1) toward dissolved gas analysis in transformer oil. Applied Surface Science, 2020, 507, 145163.	3.1	79
3	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
4	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
5	Electronic properties of Pt _n (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
6	Adsorption of SF ₆ Decomposition Components on Pt-Doped Graphyne Monolayer: A DFT Study. IEEE Access, 2019, 7, 124026-124033.	2.6	9
7	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
8	TiO ₂ nanotubes based gas-sensing materials for SF ₆ decomposition products detection: A review. , 2020, , .		0