

Xin He

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4111144/publications.pdf>

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8

papers

317

citations

1478505

6

h-index

1720034

7

g-index

8

all docs

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.	6.1	123
2	Adsorption properties of pristine and Co-doped TiO ₂ (100) toward dissolved gas analysis in transformer oil. Applied Surface Science, 2020, 507, 145163.	6.1	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.	6.1	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.	4.1	30
5	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.	6.1	11
6	Adsorption of SF ₆ Decomposition Components on Pt-Doped Graphyne Monolayer: A DFT Study. IEEE Access, 2019, 7, 124026-124033.	4.2	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.	5.0	6
8	TiO ₂ nanotubes based gas-sensing materials for SF ₆ decomposition products detection: A review. , 2020, , .		0