Kelin Hu

List of Publications by Year
in descending order

18 papers	397 citations	759233 12 h-index	996975 15 g-index
18 all docs	18 docs citations	18 times ranked	345 citing authors

#	Article	IF	Citations
1	Low temperature and fast response hydrogen gas sensor with Pd coated SnO2 nanofiber rods. International Journal of Hydrogen Energy, 2020, 45, 7234-7242.	7.1	76
2	Ternary heterojunctions synthesis and sensing mechanism of Pd/ZnOâ€“SnO2 hollow nanofibers with enhanced H2 gas sensing properties. Journal of Alloys and Compounds, 2021, 850, 156663.	5.5	56
3	Enhanced hydrogen gas sensing properties of Pd-doped SnO2 nanofibres by Ar plasma treatment. Ceramics International, 2020, 46, 1609-1614.	4.8	39
4	The Adsorption and Sensing Performances of Ir-modified MoS2 Monolayer toward SF6 Decomposition Products: A DFT Study. Nanomaterials, 2021, 11, 100.	4.1	33
5	Hierarchical composites of MoS2 nanoflower anchored on SnO2 nanofiber for methane sensing. Ceramics International, 2019, 45, 22981-22986.	4.8	28
6	Synthesis of trimethylolpropane fatty acid triester as a high performance electrical insulating oil. Industrial Crops and Products, 2019, 142, 111834.	5.2	25
7	Ar plasma treatment on ZnOâ€“SnO2 heterojunction nanofibers and its enhancement mechanism of hydrogen gas sensing. Ceramics International, 2020, 46, 21439-21447.	4.8	25
8	Superior Hydrogen Sensing Property of Porous NiO/SnO2 Nanofibers Synthesized via Carbonization. Nanomaterials, 2019, 9, 1250.	4.1	24
9	One step from nanofiber to functional hybrid structure: Pd doped ZnO/SnO2 heterojunction nanofibers with hexagonal ZnO columns for enhanced low-temperature hydrogen gas sensing. Ceramics International, 2021, 47, 15228-15236.	4.8	20
10	Pd4 cluster decorated SnO2 nanowire for detecting characteristic gases in oil-immersed transformers: A theoretical and experimental study. Applied Surface Science, 2022, 590, 153122.	6.1	17
11	Relationship between the Electrical Characteristics of Molecules and Fast Streamers in Ester Insulation Oil. International Journal of Molecular Sciences, 2020, 21, 974.	4.1	16
12	Enhancement methods of hydrogen sensing for one-dimensional nanomaterials: A review. International Journal of Hydrogen Energy, 2021, 46, 20119-20138.	7.1	15
13	Thermal Aging Characteristics of Newly Synthesized Triester Insulation Oil. IEEE Access, 2019, 7, 175576-175583.	4.2	7
14	Dual Mechanisms of Pd-Doped In₂O₃/CeO₂Nanofibers for Hydrogen Gas Sensing. ACS Applied Nano Materials, 2022, 5, 6232-6240.	5.0	7
15	A new synergistic effect in one step sputtered ZnO/Zn2SnO4 heterojunction films for H2 sensing related to crystal structure and film compactness. Ceramics International, 2022, 48, 7986-7996.	4.8	6
16	Synthesis of Trimethylolpropane Esters as Potential Insulating Oil Base Stocks. , 2019, , .		2
17	The Application of Polyhedral Oligomeric Silsesquioxanes on Vegetable Insulating Oil Modification. , 2019, , .		1
18	Hydrogen Gas Sensing in Transformer Oil by Surface Acoustic Wave Sensors. , 2018, , .		0