

Kelin Hu

List of Publications by Year in descending order

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18
papers

397
citations

759233

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h-index

996975

15
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18
docs citations

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times ranked

345
citing authors

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