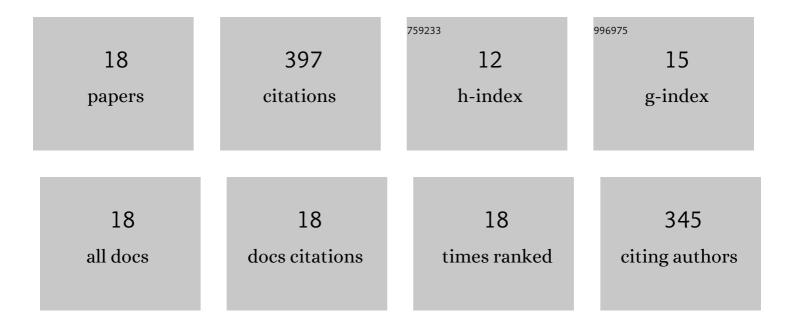
## Kelin Hu

List of Publications by Year in descending order

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KELIN HI

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Low temperature and fast response hydrogen gas sensor with Pd coated SnO2 nanofiber rods.<br>International Journal of Hydrogen Energy, 2020, 45, 7234-7242.  | 7.1 | 76        |
| 2  | Ternary heterojunctions synthesis and sensing mechanism of Pd/ZnO–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.<br>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.<br>Ceramics International, 2019, 45, 22981-22986.   | 4.8 | 28        |
| 6  | Synthesis of trimethylolpropane fatty acid triester as a high performance electrical insulating oil.<br>Industrial Crops and Products, 2019, 142, 111834.  | 5.2 | 25        |
| 7  | Ar plasma treatment on ZnO–SnO2 heterojunction nanofibers and its enhancement mechanism of<br>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.<br>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<br>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<br>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.<br>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 In <sub>2</sub> O <sub>3</sub> /CeO <sub>2</sub> Nanofibers for<br>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. ,<br>2019, , .  |     | 1         |
| 18 | Hydrogen Gas Sensing in Transformer Oil by Surface Acoustic Wave Sensors. , 2018, , .  |     | 0         |

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