

Wenbo Qin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3228479/publications.pdf>

Version: 2024-02-01

18
papers

784
citations

623734

14
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

387
citing authors

#	ARTICLE	IF	CITATIONS
1	Perovskite-structured LaCoO ₃ modified ZnO gas sensor and investigation on its gas sensing mechanism by first principle. Sensors and Actuators B: Chemical, 2021, 341, 130015.	7.8	138
2	Sandwich-like composites of double-layer Co ₃ O ₄ and reduced graphene oxide and their sensing properties to volatile organic compounds. Journal of Alloys and Compounds, 2019, 793, 24-30.	5.5	87
3	MoS ₂ -Templated Porous Hollow MoO ₃ Microspheres for Highly Selective Ammonia Sensing via a Lewis Acid-Base Interaction. IEEE Transactions on Industrial Electronics, 2022, 69, 960-970.	7.9	85
4	ZnO-Reduced Graphene Oxide Composites Sensitized with Graphitic Carbon Nitride Nanosheets for Ethanol Sensing. ACS Applied Nano Materials, 2019, 2, 2734-2742.	5.0	84
5	Qualitative and quantitative recognition method of drug-producing chemicals based on SnO ₂ gas sensor with dynamic measurement and PCA weak separation. Sensors and Actuators B: Chemical, 2021, 348, 130698.	7.8	76
6	Detection of four alcohol homologue gases by ZnO gas sensor in dynamic interval temperature modulation mode. Sensors and Actuators B: Chemical, 2022, 350, 130867.	7.8	76
7	Phosphorus-doped porous perovskite LaFe _{1-x} PxO _{3-δ} nanosheets with rich surface oxygen vacancies for ppb level acetone sensing at low temperature. Chemical Engineering Journal, 2022, 431, 134280.	12.7	66
8	Synthesis of Au Nanoparticle-Modified Spindle Shaped \pm -Fe ₂ O ₃ Nanorods and Their Gas Sensing Properties to N-Butanol. IEEE Nanotechnology Magazine, 2019, 18, 911-920.	2.0	29
9	Dynamic Measurement and Recognition Methods of SnO ₂ Sensor to VOCs Under Zigzag-Rectangular Wave Temperature Modulation. IEEE Sensors Journal, 2021, 21, 10915-10922.	4.7	23
10	Investigation of Mixed-Phase WS ₂ Nanomaterials for Ammonia Gas Sensing. IEEE Sensors Journal, 2021, 21, 7268-7274.	4.7	20
11	Exposure Surface Active Sites of Perovskite-type LaFeO ₃ Gas Sensors by Selectively Dissolving La Cations for Enhancing Gas Sensing Properties to Acetone. Advanced Materials Technologies, 2022, 7, .	5.8	19
12	Dynamic Temperature Modulation Measurement of VOC Gases Based on SnO ₂ Gas Sensor. IEEE Sensors Journal, 2022, 22, 14708-14716.	4.7	19
13	Ethanol Sensors Based on Porous In ₂ O ₃ Nanosheet-Assembled Micro-Flowers. Sensors, 2020, 20, 3353.	3.8	16
14	High Response Formic Acid Gas Sensor Based on MoS ₂ Nanosheets. IEEE Nanotechnology Magazine, 2021, 20, 177-184.	2.0	16
15	Highly Sensitive and Selective NH ₃ Sensor Based on Au Nanoparticle Loaded MoO ₃ Nanorods. IEEE Sensors Journal, 2021, 21, 18435-18442.	4.7	11
16	Investigation on Butanone Sensing Properties of ZnO Sensor Under Different Calcination Temperature. IEEE Sensors Journal, 2022, 22, 25-32.	4.7	10
17	Preparation of p-LaFeO _x /n-Fe _x O _y Heterojunction Composites by One-Step Hydrothermal Method and Gas Sensing Properties for Acetone. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	4.7	7
18	Ammonia Sensor Based on Monoclinic WO ₃ Nanorods Operating at Room Temperature. IEEE Nanotechnology Magazine, 2021, 20, 619-626.	2.0	2