

Xiao-Xue Wang

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

505
citations

933447

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h-index

1199594

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docs citations

12
times ranked

735
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical and Hollow Fe ₂ O ₃ Nanoboxes Derived from Metal-Organic Frameworks with Excellent Sensitivity to H ₂ S. ACS Applied Materials & Interfaces, 2017, 9, 29669-29676.	8.0	118
2	Lotus pollen derived 3-dimensional hierarchically porous NiO microspheres for NO ₂ gas sensing. Sensors and Actuators B: Chemical, 2016, 227, 554-560.	7.8	77
3	Molybdenum trioxide nanopaper as a dual gas sensor for detecting trimethylamine and hydrogen sulfide. RSC Advances, 2017, 7, 3680-3685.	3.6	52
4	An artificial olfactory inference system based on memristive devices. Informa-Materially, 2021, 3, 804-813.	17.3	50
5	Detecting low concentration of H ₂ S gas by BaTiO ₃ nanoparticle-based sensors. Sensors and Actuators B: Chemical, 2017, 238, 16-23.	7.8	48
6	Near room temperature CO sensing by mesoporous LaCoO ₃ nanowires functionalized with Pd nanodots. Sensors and Actuators B: Chemical, 2016, 222, 517-524.	7.8	44
7	Flexible and transparent sensors for ultra-low NO ₂ detection at room temperature under visible light illumination. Journal of Materials Chemistry A, 2020, 8, 14482-14490.	10.3	39
8	Bio-templated fabrication of hierarchically porous WO ₃ microspheres from lotus pollens for NO gas sensing at low temperatures. RSC Advances, 2015, 5, 29428-29432.	3.6	31
9	Characteristics and sensing properties of CO gas sensors based on LaCo _{1-x} Fe _x O ₃ nanoparticles. Solid State Ionics, 2017, 303, 97-102.	2.7	19
10	A Bio-Inspired Neuromorphic Sensory System. Advanced Intelligent Systems, 2022, 4, .	6.1	18
11	Light-excited chemiresistive sensors integrated on LED microchips. Journal of Materials Chemistry A, 2021, 9, 16545-16553.	10.3	7
12	Proof of Concept for Operando Infrared Spectroscopy Investigation of Light-Excited Metal Oxide-Based Gas Sensors. Journal of Physical Chemistry Letters, 2022, 13, 3631-3635.	4.6	2