Xiao-Xue Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10218043/publications.pdf

Version: 2024-02-01

12	505	933447 10	1199594 12
papers	citations	h-index	g-index

12	12	12	735
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	A Bioâ€Inspired Neuromorphic Sensory System. Advanced Intelligent Systems, 2022, 4, .	6.1	18
3	An artificial olfactory inference system based on memristive devices. InformaÄnÃ-MateriÃ¡ly, 2021, 3, 804-813.	17.3	50
4	Light-excited chemiresistive sensors integrated on LED microchips. Journal of Materials Chemistry A, 2021, 9, 16545-16553.	10.3	7
5	Flexible and transparent sensors for ultra-low NO₂ detection at room temperature under visible light illumination. Journal of Materials Chemistry A, 2020, 8, 14482-14490.	10.3	39
6	Detecting low concentration of H2S gas by BaTiO3 nanoparticle-based sensors. Sensors and Actuators B: Chemical, 2017, 238, 16-23.	7.8	48
7	Molybdenum trioxide nanopaper as a dual gas sensor for detecting trimethylamine and hydrogen sulfide. RSC Advances, 2017, 7, 3680-3685.	3.6	52
8	Characteristics and sensing properties of CO gas sensors based on LaCo 1â^'x Fe x O 3 nanoparticles. Solid State Ionics, 2017, 303, 97-102.	2.7	19
9	Hierarchical and Hollow Fe₂O₃ Nanoboxes Derived from Metalâ€“Organic Frameworks with Excellent Sensitivity to H₂S. ACS Applied Materials & Interfaces, 2017, 9, 29669-29676.	8.0	118
10	Lotus pollen derived 3-dimensional hierarchically porous NiO microspheres for NO2 gas sensing. Sensors and Actuators B: Chemical, 2016, 227, 554-560.	7.8	77
11	Near room temperature CO sensing by mesoporous LaCoO3 nanowires functionalized with Pd nanodots. Sensors and Actuators B: Chemical, 2016, 222, 517-524.	7.8	44
12	Bio-templated fabrication of hierarchically porous WO₃ microspheres from lotus pollens for NO gas sensing at low temperatures. RSC Advances, 2015, 5, 29428-29432.	3.6	31