

Xiaobing Hu

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

656
citations

933447

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1199594

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docs citations

12
times ranked

770
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Organic frameworks-derived bamboo-like CuO/In ₂ O ₃ Heterostructure for high-performance H ₂ S gas sensor with Low operating temperature. <i>Sensors and Actuators B: Chemical</i> , 2020, 310, 127828.	7.8	140
2	Highly sensitive H ₂ S gas sensors based on Pd-doped CuO nanoflowers with low operating temperature. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 809-817.	7.8	115
3	Highly sensitive and selective H ₂ S gas sensors based on flower-like WO ₃ /CuO composites operating at low/room temperature. <i>Journal of Alloys and Compounds</i> , 2019, 788, 36-43.	5.5	104
4	Heterostructure of CuO microspheres modified with CuFe ₂ O ₄ nanoparticles for highly sensitive H ₂ S gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 264, 139-149.	7.8	103
5	Disposable electrochemical aptasensor based on carbon nanotubes- V ₂ O ₅ -chitosan nanocomposite for detection of ciprofloxacin. <i>Sensors and Actuators B: Chemical</i> , 2018, 268, 278-286.	7.8	100
6	Ferroelectric Field-Effect Transistors Based on WSe ₂ /CuInP ₂ S ₆ Heterostructures for Memory Applications. <i>ACS Applied Electronic Materials</i> , 2021, 3, 4711-4717.	4.3	23
7	Energy-Efficient Ferroelectric Domain Wall Memory with Controlled Domain Switching Dynamics. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44998-45004.	8.0	16
8	Impact of heterostructures on hydrogen sulfide sensing: Example of core-shell CuO/CuFe ₂ O ₄ nanostructures. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128523.	7.8	16
9	Size-Controlled Polarization Retention and Wall Current in Lithium Niobate Single-Crystal Memories. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16641-16649.	8.0	15
10	Ultrasensitive ciprofloxacin assay based on the use of a fluorescently labeled aptamer and a nanocomposite prepared from carbon nanotubes and MoSe ₂ . <i>Mikrochimica Acta</i> , 2019, 186, 507.	5.0	13
11	Conductions through head-to-head and tail-to-tail domain walls in LiNbO ₃ nanodevices. <i>Journal of Alloys and Compounds</i> , 2021, 873, 159837.	5.5	9
12	Excellent response to near ultraviolet light and large intervalley scatterings of electrons in 2D SnS ₂ . <i>Nanoscale</i> , 2022, 14, 5462-5471.	5.6	2