

Tingting Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,413
citations

361296

20
h-index

552653

26
g-index

26
all docs

26
docs citations

26
times ranked

1346
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Organic Frameworks-Derived Hierarchical Co_3O_4 Structures as Efficient Sensing Materials for Acetone Detection. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9765-9773.	4.0	215
2	Recent Progress of Nanostructured Sensing Materials from 0D to 3D: Overview of Structure-Property-Application Relationship for Gas Sensors. <i>Small Methods</i> , 2021, 5, e2100515.	4.6	162
3	Hybrid $\text{Co}_3\text{O}_4/\text{SnO}_2$ Core-Shell Nanospheres as Real-Time Rapid-Response Sensors for Ammonia Gas. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6539-6545.	4.0	134
4	Hollow ZnSnO_3 Cubes with Controllable Shells Enabling Highly Efficient Chemical Sensing Detection of Formaldehyde Vapors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14525-14533.	4.0	110
5	TiO ₂ nanostructures with different crystal phases for sensitive acetone gas sensors. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 357-366.	5.0	93
6	Selective ppb-level ozone gas sensor based on hierarchical branch-like In_2O_3 nanostructure. <i>Sensors and Actuators B: Chemical</i> , 2021, 336, 129612.	4.0	88
7	Effect of Cation Substitution on the Gas-Sensing Performances of Ternary Spinel MCo_2O_4 (M = Mn, Ni, and Zn) Multishelled Hollow Twin Spheres. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28023-28032.	4.0	76
8	$\text{NiO}/\text{NiCo}_2\text{O}_4$ Truncated Nanocages with PdO Catalyst Functionalization as Sensing Layers for Acetone Detection. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37242-37250.	4.0	69
9	Constructing Hierarchical Heterostructured $\text{Mn}_3\text{O}_4/\text{Zn}_2\text{SnO}_4$ Materials for Efficient Gas Sensing Reaction. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800115.	1.9	42
10	Rapid sensitive sensing platform based on yolk-shell hybrid hollow sphere for detection of ethanol. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 479-487.	4.0	40
11	The effect of different crystalline phases of In_2O_3 on the ozone sensing performance. <i>Journal of Hazardous Materials</i> , 2021, 418, 126290.	6.5	40
12	Fast and real-time acetone gas sensor using hybrid $\text{ZnFe}_2\text{O}_4/\text{ZnO}$ hollow spheres. <i>RSC Advances</i> , 2016, 6, 66738-66744.	1.7	37
13	Cabbage-shaped zinc-cobalt oxide (ZnCo_2O_4) sensing materials: Effects of zinc ion substitution and enhanced formaldehyde sensing properties. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 520-527.	5.0	30
14	Study on a quartz crystal microbalance sensor based on chitosan-functionalized mesoporous silica for humidity detection. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 340-350.	5.0	30
15	Improvement of gas sensing performance for tin dioxide sensor through construction of nanostructures. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 673-682.	5.0	29
16	Carbon materials-functionalized tin dioxide nanoparticles toward robust, high-performance nitrogen dioxide gas sensor. <i>Journal of Colloid and Interface Science</i> , 2018, 524, 76-83.	5.0	27
17	A yolk-double-shelled heterostructure-based sensor for acetone detecting application. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 490-496.	5.0	27
18	The synthesis and fast ethanol sensing properties of core-shell SnO_2/ZnO composite nanospheres using carbon spheres as templates. <i>New Journal of Chemistry</i> , 2016, 40, 6796-6802.	1.4	26

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19	Controllable construction of multishelled p-type cuprous oxide with enhanced formaldehyde sensing. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 58-65.	5.0	25
20	Overexpression of sweet sorghum cryptochrome 1a confers hypersensitivity to blue light, abscisic acid and salinity in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2018, 37, 251-264.	2.8	22
21	Functionalization of Hybrid 1D SnO ₂ @ZnO Nanofibers for Formaldehyde Detection. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800967.	1.9	22
22	Zn _x Co _{3x} O ₄ bimetallic oxides derived from metal-organic frameworks for enhanced acetone sensing performances. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3177-3183.	3.0	22
23	Self-assembly polyaniline films for the high-performance ammonia gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2022, 365, 131928.	4.0	21
24	Robust cobalt perforated with multi-walled carbon nanotubes as an effective sensing material for acetone detection. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2563-2570.	3.0	11
25	Sb/Pd co-doped SnO ₂ nanoparticles for methane detection: resistance reduction and sensing performance studies. <i>Nanotechnology</i> , 2021, 32, 475506.	1.3	8
26	Cryptochrome 1b from Sweet Sorghum Regulates Photoperiodic Flowering, Photomorphogenesis, and ABA Response in Transgenic <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology Reporter</i> , 2018, 36, 13-22.	1.0	7