

Haitao Fu

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

865
citations

394421

19
h-index

526287

27
g-index

27
all docs

27
docs citations

27
times ranked

842
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and theoretical studies of V ₂ O ₅ @TiO ₂ core-shell hybrid composites with high gas sensing performance towards ammonia. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 103-115.	7.8	66
2	A facile coating method to construct uniform porous $\hat{\text{I}}\pm\text{-Fe}_2\text{O}_3\text{@TiO}_2$ core-shell nanostructures with enhanced solar light photocatalytic activity. <i>Powder Technology</i> , 2018, 328, 389-396.	4.2	62
3	Au decorated In ₂ O ₃ hollow nanospheres: A novel sensing material toward amine. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126696.	7.8	61
4	MoS ₂ /CdS rod-like nanocomposites as high-performance visible light photocatalyst for water splitting photocatalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 8247-8260.	7.1	59
5	Enhanced gas sensing performance based on the fabrication of polycrystalline Ag@TiO ₂ core-shell nanowires. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 483-492.	7.8	58
6	Large-surface mesoporous TiO ₂ nanoparticles: Synthesis, growth and photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2012, 387, 74-83.	9.4	56
7	Gas sensing materials roadmap. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 303001.	1.8	49
8	Enhanced CH ₄ sensitivity of porous nanosheets-assembled ZnO microflower by decoration with Zn ₂ SnO ₄ . <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127374.	7.8	42
9	Adsorption and photocatalytic performance of Au nanoparticles decorated porous Cu ₂ O nanospheres under simulated solar light irradiation. <i>Applied Surface Science</i> , 2021, 545, 149014.	6.1	40
10	A gas sensor based on Ag-modified ZnO flower-like microspheres: Temperature-modulated dual selectivity to CO and CH ₄ . <i>Surfaces and Interfaces</i> , 2021, 24, 101110.	3.0	37
11	Bi-doped urchin-like In ₂ O ₃ hollow spheres: Synthesis and improved gas sensing and visible-light photocatalytic properties. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128623.	7.8	35
12	The Use of Tunable Optical Absorption Plasmonic Au and Ag Decorated TiO ₂ Structures as Efficient Visible Light Photocatalysts. <i>Catalysts</i> , 2020, 10, 139.	3.5	34
13	Enhanced solar light photocatalytic performance based on a novel Au-WO ₃ @TiO ₂ ternary core-shell nanostructures. <i>Applied Surface Science</i> , 2020, 505, 144631.	6.1	30
14	Gas-sensing performance of In ₂ O ₃ @MoO ₃ hollow core-shell nanospheres prepared by a two-step hydrothermal method. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 131007.	7.8	28
15	Room-temperature sensing performance of Pt nanoparticles modified In ₂ O ₃ @ZnS core-shell hollow nanospheres to n-butanol. <i>Sensors and Actuators B: Chemical</i> , 2022, 362, 131760.	7.8	25
16	Ultra-high sensitivity and selectivity of Au nanoparticles modified MoO ₃ nanobelts towards 1-butylamine. <i>Applied Surface Science</i> , 2021, 542, 148721.	6.1	24
17	Variable gas sensing performance towards different volatile organic compounds caused by integration types of ZnS on In ₂ O ₃ hollow spheres. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130316.	7.8	24
18	Synthesis of Au decorated V ₂ O ₅ microflowers with enhanced sensing properties towards amines. <i>Powder Technology</i> , 2018, 339, 408-418.	4.2	23

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19	Hydrothermal Synthesis of Silver Vanadium Oxide (Ag _{0.35} V ₂ O ₅) Nanobelts for Sensing Amines. <i>Nanoscale Research Letters</i> , 2015, 10, 411.	5.7	22
20	Dynamic investigation on the powder spreading during selective laser melting additive manufacturing. <i>Additive Manufacturing</i> , 2021, 37, 101707.	3.0	20
21	Au modified nanosheet-branched TiO ₂ hollow spheres exhibiting superior performance of adsorption and solar-light-driven photocatalysis. <i>Powder Technology</i> , 2020, 376, 593-603.	4.2	16
22	Experimental and theoretical study on the excellent amine-sensing performance of Au decorated WO ₃ needle-like nanocomposites. <i>Materials Chemistry and Physics</i> , 2019, 234, 122-132.	4.0	13
23	Preparation of plasmonic porous Au@AgVO ₃ belt-like nanocomposites with enhanced visible light photocatalytic activity. <i>Nanotechnology</i> , 2018, 29, 295706.	2.6	11
24	Pt nanoparticles-modified WO ₃ @TiO ₂ core-shell ternary nanocomposites as stable and efficient photocatalysts in tetracycline degradation. <i>Journal of Materials Science</i> , 2020, 55, 14415-14430.	3.7	11
25	Particle scale study on the crystallization of mono-sized cylindrical particles subject to vibration. <i>Powder Technology</i> , 2019, 352, 470-477.	4.2	8
26	Improved TEA Sensitivity and Selectivity of In ₂ O ₃ Porous Nanospheres by Modification with Ag Nanoparticles. <i>Nanomaterials</i> , 2022, 12, 1532.	4.1	7
27	Ultrahigh methane sensing properties based on Ni-doped hierarchical porous In ₂ O ₃ microspheres at low temperature. <i>Vacuum</i> , 2022, 202, 111149.	3.5	4