

# Haitao Fu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/991013/publications.pdf>

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	Gas-sensing performance of In <sub>2</sub> O <sub>3</sub> @MoO <sub>3</sub> hollow core-shell nanospheres prepared by a two-step hydrothermal method. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 131007.	7.8	28
2	MoS <sub>2</sub> /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
3	Room-temperature sensing performance of Pt nanoparticles modified In <sub>2</sub> O <sub>3</sub> @ZnS core-shell hollow nanospheres to n-butanol. <i>Sensors and Actuators B: Chemical</i> , 2022, 362, 131760.	7.8	25
4	Improved TEA Sensitivity and Selectivity of In <sub>2</sub> O <sub>3</sub> Porous Nanospheres by Modification with Ag Nanoparticles. <i>Nanomaterials</i> , 2022, 12, 1532.	4.1	7
5	Ultrahigh methane sensing properties based on Ni-doped hierarchical porous In <sub>2</sub> O <sub>3</sub> microspheres at low temperature. <i>Vacuum</i> , 2022, 202, 111149.	3.5	4
6	Dynamic investigation on the powder spreading during selective laser melting additive manufacturing. <i>Additive Manufacturing</i> , 2021, 37, 101707.	3.0	20
7	Ultra-high sensitivity and selectivity of Au nanoparticles modified MoO <sub>3</sub> nanobelts towards 1-butylamine. <i>Applied Surface Science</i> , 2021, 542, 148721.	6.1	24
8	Adsorption and photocatalytic performance of Au nanoparticles decorated porous Cu <sub>2</sub> O nanospheres under simulated solar light irradiation. <i>Applied Surface Science</i> , 2021, 545, 149014.	6.1	40
9	A gas sensor based on Ag-modified ZnO flower-like microspheres: Temperature-modulated dual selectivity to CO and CH <sub>4</sub> . <i>Surfaces and Interfaces</i> , 2021, 24, 101110.	3.0	37
10	Gas sensing materials roadmap. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 303001.	1.8	49
11	Variable gas sensing performance towards different volatile organic compounds caused by integration types of ZnS on In <sub>2</sub> O <sub>3</sub> hollow spheres. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130316.	7.8	24
12	Enhanced CH <sub>4</sub> sensitivity of porous nanosheets-assembled ZnO microflower by decoration with Zn <sub>2</sub> SnO <sub>4</sub> . <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127374.	7.8	42
13	Enhanced solar light photocatalytic performance based on a novel Au-WO <sub>3</sub> @TiO <sub>2</sub> ternary core-shell nanostructures. <i>Applied Surface Science</i> , 2020, 505, 144631.	6.1	30
14	Au modified nanosheet-branched TiO <sub>2</sub> hollow spheres exhibiting superior performance of adsorption and solar-light-driven photocatalysis. <i>Powder Technology</i> , 2020, 376, 593-603.	4.2	16
15	Pt nanoparticles-modified WO <sub>3</sub> @TiO <sub>2</sub> 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
16	Bi-doped urchin-like In <sub>2</sub> O <sub>3</sub> 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
17	The Use of Tunable Optical Absorption Plasmonic Au and Ag Decorated TiO <sub>2</sub> Structures as Efficient Visible Light Photocatalysts. <i>Catalysts</i> , 2020, 10, 139.	3.5	34
18	Enhanced gas sensing performance based on the fabrication of polycrystalline Ag@TiO <sub>2</sub> core-shell nanowires. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 483-492.	7.8	58

#	ARTICLE	IF	CITATIONS
19	Experimental and theoretical study on the excellent amine-sensing performance of Au decorated WO <sub>3</sub> needle-like nanocomposites. <i>Materials Chemistry and Physics</i> , 2019, 234, 122-132.	4.0	13
20	Au decorated In <sub>2</sub> O <sub>3</sub> hollow nanospheres: A novel sensing material toward amine. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126696.	7.8	61
21	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
22	A facile coating method to construct uniform porous $\text{Fe}_2\text{O}_3/\text{TiO}_2$ core-shell nanostructures with enhanced solar light photocatalytic activity. <i>Powder Technology</i> , 2018, 328, 389-396.	4.2	62
23	Preparation of plasmonic porous Au@AgVO <sub>3</sub> belt-like nanocomposites with enhanced visible light photocatalytic activity. <i>Nanotechnology</i> , 2018, 29, 295706.	2.6	11
24	Synthesis of Au decorated V <sub>2</sub> O <sub>5</sub> microflowers with enhanced sensing properties towards amines. <i>Powder Technology</i> , 2018, 339, 408-418.	4.2	23
25	Experimental and theoretical studies of V <sub>2</sub> O <sub>5</sub> @TiO <sub>2</sub> 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
26	Hydrothermal Synthesis of Silver Vanadium Oxide (Ag <sub>0.35</sub> V <sub>2</sub> O <sub>5</sub> ) Nanobelts for Sensing Amines. <i>Nanoscale Research Letters</i> , 2015, 10, 411.	5.7	22
27	Large-surface mesoporous TiO <sub>2</sub> nanoparticles: Synthesis, growth and photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2012, 387, 74-83.	9.4	56