

Fubo Gu

List of Publications by Year in descending order

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42
papers

2,422
citations

236925

25
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276875

41
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docs citations

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times ranked

2944
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the effect of Au particle size on triethylamine sensing properties based on a Au@ZnO nanoflower sensor. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3318-3328.	5.5	15
2	Atomically Dispersed Pt on Three-Dimensional Ordered Macroporous SnO ₂ for Highly Sensitive and Highly Selective Detection of Triethylamine at a Low Working Temperature. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 13440-13449.	8.0	14
3	Selective Catalytic Oxidation of Methane to Methanol in Aqueous Medium over Copper Cations Promoted by Atomically Dispersed Rhodium on TiO ₂ . <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202201540.	13.8	29
4	Humidity-Independent, Highly Sensitive and Selective NO ₂ Sensor Based on In ₂ O ₃ Nanoflowers Decorated With Graphite Nanoflakes. <i>IEEE Sensors Journal</i> , 2022, 22, 14753-14761.	4.7	5
5	Ultrahigh sensitivity and surface mechanism of gas sensing process in composite material of combining In ₂ O ₃ with metal-organic frameworks derived Co ₃ O ₄ . <i>Sensors and Actuators B: Chemical</i> , 2021, 340, 129990.	7.8	67
6	Atomically Dispersed Au on In ₂ O ₃ Nanosheets for Highly Sensitive and Selective Detection of Formaldehyde. <i>ACS Sensors</i> , 2020, 5, 2611-2619.	7.8	67
7	±-Fe ₂ O ₃ /NiO heterojunction nanorods with enhanced gas sensing performance for acetone. <i>Sensors and Actuators B: Chemical</i> , 2020, 318, 128191.	7.8	65
8	Au-modified three-dimensionally ordered macroporous ZnO:In for high-performance ethanol sensors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2812-2819.	5.5	28
9	Atomically dispersed Pt on 3DOM WO ₃ promoted with cobalt and nickel oxides for highly selective and highly sensitive detection of xylene. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126772.	7.8	21
10	Atomically dispersed Pt (II) on WO ₃ for highly selective sensing and catalytic oxidation of triethylamine. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117809.	20.2	103
11	Facile synthesis of In ₂ O ₃ nanoparticles with high response to formaldehyde at low temperature. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 1570-1580.	2.1	13
12	A high-performance flexible supercapacitor based on hierarchical Co ₃ O ₄ -SnO@SnO ₂ nanostructures. <i>Electrochimica Acta</i> , 2019, 307, 341-350.	5.2	34
13	Pd loading induced excellent NO ₂ gas sensing of 3DOM In ₂ O ₃ at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2018, 263, 218-228.	7.8	90
14	Highly sensitive NO ₂ gas sensor of ppb-level detection based on In ₂ O ₃ nanobricks at low temperature. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 655-663.	7.8	151
15	Humidity-Sensing Performance of 3DOM WO ₃ with Controllable Structural Modification. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3776-3783.	8.0	45
16	One-Step Synthesis of Co-Doped In ₂ O ₃ Nanorods for High Response of Formaldehyde Sensor at Low Temperature. <i>ACS Sensors</i> , 2018, 3, 468-475.	7.8	199
17	Manipulating the Defect Structure (V _O) of In ₂ O ₃ Nanoparticles for Enhancement of Formaldehyde Detection. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 933-942.	8.0	146
18	Sensitization of Pd loading for remarkably enhanced hydrogen sensing performance of 3DOM WO ₃ . <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 577-587.	7.8	58

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19	A low temperature NO ₂ gas sensor based metal-thiourea complex nanowires. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1139-1146.	7.8	19
20	Cobalt oxide nanorods with special pore structure for enhanced ethanol sensing performance. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 320-330.	9.4	32
21	Electron compensation in p-type 3DOM NiO by Sn doping for enhanced formaldehyde sensing performance. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3254-3263.	5.5	88
22	Facile preparation of rod-like Au/In ₂ O ₃ nanocomposites exhibiting high response to CO at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 516-524.	7.8	33
23	Structural and electronic engineering of 3DOM WO ₃ by alkali metal doping for improved NO ₂ sensing performance. <i>Nanoscale</i> , 2016, 8, 10622-10631.	5.6	62
24	Effects of rare earth element doping on the ethanol gas-sensing performance of three-dimensionally ordered macroporous In ₂ O ₃ . <i>RSC Advances</i> , 2016, 6, 45085-45092.	3.6	44
25	Metal-organic framework derived Au@ZnO yolk-shell nanostructures and their highly sensitive detection of acetone. <i>RSC Advances</i> , 2016, 6, 29727-29733.	3.6	26
26	Highly Sensitive and Selective Ethanol Sensor Fabricated with In-Doped 3DOM ZnO. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5466-5474.	8.0	179
27	Strong metal-support interaction in novel core-shell Au-CeO ₂ nanostructures induced by different pretreatment atmospheres and its influence on CO oxidation. <i>Nanoscale</i> , 2016, 8, 5865-5872.	5.6	55
28	An ultrasensitive calcein sensor based on the implementation of a novel chemiluminescence system with modified kaolin. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 264-272.	7.8	6
29	Multifunctional sandwich-like mesoporous silica-Fe ₃ O ₄ -graphene oxide nanocomposites for removal of methylene blue from water. <i>RSC Advances</i> , 2015, 5, 39964-39972.	3.6	34
30	Luminol chemiluminescence actuated by modified natural sepiolite material and its analytical application. <i>Analytical Methods</i> , 2015, 7, 2779-2785.	2.7	11
31	Three-dimensional ordered macroporous In ₂ O ₃ -supported Au for high-performance ethanol sensing. <i>RSC Advances</i> , 2015, 5, 99018-99022.	3.6	9
32	Controllable Defect Redistribution of ZnO Nanopyramids with Exposed {101̄...1} Facets for Enhanced Gas Sensing Performance. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 308-317.	8.0	108
33	Fine-tuning the structure of cubic indium oxide and their ethanol-sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 669-678.	7.8	23
34	High specific surface area LaMO ₃ (M = Co, Mn) hollow spheres: synthesis, characterization and catalytic properties in methane combustion. <i>RSC Advances</i> , 2014, 4, 58699-58707.	3.6	15
35	The effects of Au species and surfactant on the catalytic reduction of 4-nitrophenol by Au@SiO ₂ . <i>Journal of Materials Chemistry A</i> , 2014, 2, 20374-20381.	10.3	41
36	Functionalization of Flower-Like ZnO Nanostructures With Au@CuO Nanoparticles for Detection of Ethanol. <i>IEEE Sensors Journal</i> , 2014, 14, 1797-1804.	4.7	5

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37	CO oxidation on Au@CeO ₂ yolk-shell nanoparticles with high catalytic stability. <i>Materials Letters</i> , 2014, 137, 188-191.	2.6	23
38	Synthesis, characterization and alcohol-sensing properties of rare earth doped In ₂ O ₃ hollow spheres. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 1180-1188.	7.8	93
39	Alcohol Sensing Properties of Er-Doped In ₂ O ₃ Hollow Spheres. <i>Integrated Ferroelectrics</i> , 2012, 138, 117-122.	0.7	6
40	Porous ZnO Polygonal Nanoflakes: Synthesis, Use in High-Sensitivity NO ₂ Gas Sensor, and Proposed Mechanism of Gas Sensing. <i>Journal of Physical Chemistry C</i> , 2011, 115, 12763-12773.	3.1	350
41	Biomimetic synthesis of calcium-strontium apatite hollow nanospheres. <i>Science China Chemistry</i> , 2010, 53, 1723-1727.	8.2	7
42	Selective Catalytic Oxidation of Methane to Methanol in Aqueous Medium over Copper Cations Promoted by Atomically Dispersed Rhodium on TiO ₂ . <i>Angewandte Chemie</i> , 0, , .	2.0	3