

Bo Zhang

List of Publications by Year in descending order

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17
papers

1,245
citations

623734

14
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1670
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance room temperature NO ₂ gas sensor based on visible light irradiated In ₂ O ₃ nanowires. <i>Journal of Alloys and Compounds</i> , 2021, 867, 159076.	5.5	74
2	Carbon dots decorated hierarchical litchi-like In ₂ O ₃ nanospheres for highly sensitive and selective NO ₂ detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127272.	7.8	54
3	Highly-Efficient, Ultra-Compact and Polarization-Insensitive Electro-Absorption Modulator Driven by Hybrid Silicon-Indium Tin Oxide-Based MOS Capacitors. <i>IEEE Journal of Quantum Electronics</i> , 2020, 56, 1-9.	1.9	5
4	On-chip silicon shallowly etched TM ₀ -to-TM ₁ mode-order converter with high conversion efficiency and low modal crosstalk. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020, 37, 1290.	2.1	10
5	Highly sensitive sensors based on quasi-2D rGO/SnS ₂ hybrid for rapid detection of NO ₂ gas. <i>Sensors and Actuators B: Chemical</i> , 2019, 291, 216-225.	7.8	73
6	Design of a compact silicon-based TM-polarized mode-order converter based on shallowly etched structures. <i>Applied Optics</i> , 2019, 58, 9075.	1.8	10
7	Room temperature NO ₂ gas sensor based on porous Co ₃ O ₄ slices/reduced graphene oxide hybrid. <i>Sensors and Actuators B: Chemical</i> , 2018, 263, 387-399.	7.8	159
8	High-response and low-temperature nitrogen dioxide gas sensor based on gold-loaded mesoporous indium trioxide. <i>Journal of Colloid and Interface Science</i> , 2018, 524, 368-378.	9.4	34
9	The preparation of reduced graphene oxide-encapsulated $\hat{\pm}$ -Fe ₂ O ₃ hybrid and its outstanding NO ₂ gas sensing properties at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2018, 261, 252-263.	7.8	87
10	Facile synthesis of nitrogen and sulfur co-doped carbon dots for multiple sensing capacities: alkaline fluorescence enhancement effect, temperature sensing, and selective detection of Fe ³⁺ ions. <i>New Journal of Chemistry</i> , 2018, 42, 13147-13156.	2.8	26
11	Ultrasensitive and low detection limit of nitrogen dioxide gas sensor based on flower-like ZnO hierarchical nanostructure modified by reduced graphene oxide. <i>Sensors and Actuators B: Chemical</i> , 2017, 249, 715-724.	7.8	107
12	Flower-like In ₂ O ₃ modified by reduced graphene oxide sheets serving as a highly sensitive gas sensor for trace NO ₂ detection. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 206-213.	9.4	113
13	Enhanced gas sensing properties to acetone vapor achieved by $\hat{\pm}$ -Fe ₂ O ₃ particles ameliorated with reduced graphene oxide sheets. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 904-914.	7.8	124
14	Horseshoe-shaped SnO ₂ with annulus-like mesoporous for ethanol gas sensing application. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 1321-1329.	7.8	76
15	Dual functional N- and S-co-doped carbon dots as the sensor for temperature and Fe ³⁺ ions. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 1272-1280.	7.8	177
16	Au-loaded mesoporous WO ₃ : Preparation and n-butanol sensing performances. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 67-76.	7.8	92
17	Redox control of GPx catalytic activity through mediating self-assembly of Fmoc-phenylalanine selenide into switchable supramolecular architectures. <i>Soft Matter</i> , 2014, 10, 9695-9701.	2.7	24