Li-Ying Zhang

List of Publications by Year
in descending order

29 papers	592 citations	567281 15 h-index	610901 24 g-index
29 all docs	29 docs citations	29 times ranked	711 citing authors

#	Article	IF	Citations
1	A facile PDMS coating approach to room-temperature gas sensors with high humidity resistance and long-term stability. Sensors and Actuators B: Chemical, 2020, 325, 128810.	7.8	69
2	Fabrication of MOF Thin Films at Miscible Liquidâ€“Liquid Interface by Spray Method. ACS Applied Materials & Interfaces, 2018, 10, 25960-25966.	8.0	64
3	Construction of Zn/Ni Bimetallic Organic Framework Derived ZnO/NiO Heterostructure with Superior N-Propanol Sensing Performance. ACS Applied Materials & Interfaces, 2021, 13, 9206-9215.	8.0	59
4	Two-dimensional MOF-derived nanoporous Cu/Cu2O networks as catalytic membrane reactor for the continuous reduction of p-nitrophenol. Journal of Membrane Science, 2019, 582, 30-36.	8.2	45
5	Pd-Decorated PdO Hollow Shells: A H₂-Sensing System in Which Catalyst Nanoparticle and Semiconductor Support are Interconvertible. ACS Applied Materials & Interfaces, 2020, 12, 42971-42981.	8.0	32
6	Dynamic Tunable Color Display Based on Metalâ€“Insulatorâ€“Metal Resonator with Polymer Brush Insulator Layer as Signal Transducer. ACS Applied Materials & Interfaces, 2019, 11, 41668-41675.	8.0	29
7	Copper oxide hierarchical morphology derived from MOF precursors for enhancing ethanol vapor sensing performance. Journal of Materials Chemistry C, 2020, 8, 9671-9677.	5.5	29
8	Characterization and optimization of the H2 sensing performance of Pd hollow shells. Sensors and Actuators B: Chemical, 2019, 295, 101-109.	7.8	27
9	Fabrication of 2D metalâ€“organic framework nanosheet@fiber composites by spray technique. Chemical Communications, 2019, 55, 8293-8296.	4.1	26
10	Amorphous FeNi-bimetallic infinite coordination polymers as advanced electrocatalysts for the oxygen evolution reaction. Chemical Communications, 2019, 55, 12567-12570.	4.1	24
11	MOF-derived CuCoNi trimetallic hybrids as efficient oxygen evolution reaction electrocatalysts. New Journal of Chemistry, 2020, 44, 2459-2464.	2.8	23
12	CoNi-based metalâ€“organic framework nanoarrays supported on carbon cloth as bifunctional electrocatalysts for efficient water-splitting. New Journal of Chemistry, 2020, 44, 1694-1698.	2.8	21
13	Preparation of hierarchical trimetallic coordination polymer film as efficient electrocatalyst for oxygen evolution reaction. Chemical Communications, 2019, 55, 9343-9346.	4.1	19
14	Visual Detection of Thiocyanate Based on Fabryâ€“Perot Etalons with a Responsive Polymer Brush as the Transducer. ACS Sensors, 2020, 5, 303-307.	7.8	18
15	Fabrication of 2D Metalâ€“Organic Framework Nanosheets with Highly Colloidal Stability and High Yield through Coordination Modulation. ACS Applied Materials & Interfaces, 2021, 13, 39755-39762.	8.0	15
16	Fabrication of wide-detection-range H₂ sensors with controllable saturation behavior using Au@Pd nanoparticle arrays. Chemical Communications, 2020, 56, 12636-12639.	4.1	12
17	Preparation of Superhydrophobic Metalâ€“Organic Framework/Polymer Composites as Stable and Efficient Catalysts. ACS Applied Materials & Interfaces, 2021, 13, 32175-32183.	8.0	12
18	Sea urchin-like CuO particles prepared using Cu₃(PO₄)₂ flowers as precursor for high-performance ethanol sensing. Nanotechnology, 2020, 31, 165504.	2.6	11

#	Article	IF	Citations
19	Novel Zinc-Based Infinite Coordination Polymer for Highly Selective Ammonia Gas Sensing at Room Temperature. Bulletin of the Chemical Society of Japan, 2020, 93, 1070-1073.	3.2	11
20	Fabrication of Metal Nanoparticle Composites by Slow Chemical Reduction of Metalâ€“Organic Frameworks. Inorganic Chemistry, 2021, 60, 16447-16454.	4.0	10
21	Structural and Morphological Transformation of Two-Dimensional Metalâ€“Organic Frameworks Accompanied by Controlled Preparation Using the Spray Method. Langmuir, 2020, 36, 7392-7399.	3.5	7
22	Preparation of Bimetallic Metal-Organic Framework Microflowers by Spray Method. Bulletin of the Chemical Society of Japan, 2019, 92, 175-177.	3.2	6
23	Solid-state structural transformation of Zn(II)-bpe coordination polymers triggered by dual stimuli. Journal of Solid State Chemistry, 2020, 292, 121635.	2.9	6
24	Dynamic Color Display with Viewing-Angle Tolerance Based on the Responsive Asymmetric Fabryâ€“Perot Cavity. ACS Applied Materials & Interfaces, 2022, 14, 7200-7207.	8.0	6
25	Oriented self-assembly of metalâ€“organic frameworks driven by photoinitiated monomer polymerization. RSC Advances, 2022, 12, 19406-19411.	3.6	4
26	The Fabrication of Rigid Crosslinker-Decorated Gold Nanoparticle Array Film for Catalyzing CO2 Cycloaddition. Bulletin of the Chemical Society of Japan, 2019, 92, 2004-2011.	3.2	3
27	Novel coreâ€“shell nanocomposite as an effective heterogeneous catalyst for the synthesis of benzimidazoles. Nanotechnology, 2021, 32, 265603.	2.6	2
28	Lab-on-fiber sensing system based on responsive Fabry-Perot optical resonance cavities prepared through in-situ construction strategy. Nanotechnology, 2021, 32, .	2.6	1
29	UV-Responsive, wide color gamut, inkless dynamic photonic paper enabled by disulfide-containing polyurethane based Fabry-Perot resonant cavity. Journal of Materials Chemistry C, 0, , .	5.5	1