

# Ya Xiong

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

857  
citations

687363

13  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1098  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous oxidative and reductive reactions in one system by atomic design. <i>Nature Catalysis</i> , 2021, 4, 134-143.	34.4	132
2	A hierarchical structured steel mesh decorated with metal organic framework/graphene oxide for high-efficient oil/water separation. <i>Journal of Hazardous Materials</i> , 2019, 373, 725-732.	12.4	120
3	ZIF-derived porous ZnO-Co <sub>3</sub> O <sub>4</sub> hollow polyhedrons heterostructure with highly enhanced ethanol detection performance. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 523-532.	7.8	108
4	Synthesis of nanowire bundle-like WO <sub>3</sub> -W <sub>18</sub> O <sub>49</sub> heterostructures for highly sensitive NH <sub>3</sub> sensor application. <i>Journal of Hazardous Materials</i> , 2018, 353, 290-299.	12.4	94
5	Effective CO <sub>2</sub> detection based on LaOCl-doped SnO <sub>2</sub> nanofibers: Insight into the role of oxygen in carrier gas. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 725-734.	7.8	69
6	Co-MOF-74 derived Co <sub>3</sub> O <sub>4</sub> /graphene heterojunction nanoscrolls for ppb-level acetone detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 300, 127011.	7.8	62
7	Confined synthesis of 2D ultrathin ZnO/Co <sub>3</sub> O <sub>4</sub> nanomeshes heterostructure for superior triethylamine detection at low temperature. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130486.	7.8	55
8	Defect Chemistry of the Metal Cation Defects in the p- and n-Doped SnO <sub>2</sub> Nanocrystalline Films. <i>Journal of Physical Chemistry C</i> , 2014, 118, 18097-18109.	3.1	49
9	Enhanced Room Temperature Oxygen Sensing Properties of LaOCl@SnO <sub>2</sub> Hollow Spheres by UV Light Illumination. <i>ACS Sensors</i> , 2017, 2, 679-686.	7.8	43
10	Toward the Design of High-performance Supercapacitors by Prussian Blue, its Analogues and their Derivatives. <i>Energy and Environmental Materials</i> , 2020, 3, 323-345.	12.8	29
11	Defect engineering on SnO <sub>2</sub> nanomaterials for enhanced gas sensing performances. , 2022, 1, 100033.		26
12	Layer-by-layer self-assembly of polyaniline nanofibers/TiO <sub>2</sub> nanotubes heterojunction thin film for ammonia detection at room temperature. <i>Nanotechnology</i> , 2019, 30, 135501.	2.6	20
13	S-scheme heterostructure based on ultrathin 2D CdS coated W <sub>18</sub> O <sub>49</sub> nanosheets-assembled network for highly-efficient photocatalytic H <sub>2</sub> evolution. <i>Journal of Alloys and Compounds</i> , 2022, 918, 165652.	5.5	17
14	A ZIF-8@H:ZnO core-shell nanorod arrays/Si heterojunction self-powered photodetector with ultrahigh performance. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5172-5183.	5.5	15
15	Autonomous Drug Release Systems with Disease Symptom-associated Triggers. <i>Advanced Intelligent Systems</i> , 2020, 2, 1900124.	6.1	14
16	Review of Open-Framework Structure Based Cathode Materials Coupled with Metallic Anodes for Rechargeable Multivalent Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2020, 167, 160530.	2.9	4