Jianhong Zhao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9151143/publications.pdf

Version: 2024-02-01

		623574	610775
23	876	14	24
papers	citations	h-index	g-index

24	24	24	1014
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single-atom Cu anchored catalysts for photocatalytic renewable H2 production with a quantum efficiency of 56%. Nature Communications, 2022, 13, 58.	5.8	175
2	Covalent organic framework-supported Feâ€“TiO₂ nanoparticles as ambient-light-active photocatalysts. Journal of Materials Chemistry A, 2019, 7, 16364-16371.	5.2	103
3	Synergistic Effect of the Surface Vacancy Defects for Promoting Photocatalytic Stability and Activity of ZnS Nanoparticles. ACS Catalysis, 2021, 11, 13255-13265.	5.5	71
4	Chlorine doped graphene quantum dots: Preparation, properties, and photovoltaic detectors. Applied Physics Letters, 2014, 105, .	1.5	67
5	Fabrication and properties of a high-performance chlorine doped graphene quantum dot based photovoltaic detector. RSC Advances, 2015, 5, 29222-29229.	1.7	56
6	Boron-doped graphene quantum dot/Agâ€“LaFeO₃ pâ€“p heterojunctions for sensitive and selective benzene detection. Journal of Materials Chemistry A, 2018, 6, 12647-12653.	5.2	51
7	A gas sensor array for the simultaneous detection of multiple VOCs. Scientific Reports, 2017, 7, 1960.	1.6	46
8	B, N, S, Cl doped graphene quantum dots and their effects on gas-sensing properties of Ag-LaFeO3. Sensors and Actuators B: Chemical, 2018, 266, 364-374.	4.0	41
9	Boosted Visible-Light Photodegradation of Methylene Blue by V and Co Co-Doped TiO2. Materials, 2018, 11, 1946.	1.3	41
10	Band Alignment Strategy for Printable Triple Mesoscopic Perovskite Solar Cells with Enhanced Photovoltage. ACS Applied Energy Materials, 2019, 2, 2034-2042.	2.5	38
11	Rich oxygen vacancies, mesoporous TiO₂ derived from MIL-125 for highly efficient photocatalytic hydrogen evolution. Chemical Communications, 2021, 57, 9704-9707.	2.2	36
12	Interface Engineering Based on Liquid Metal for Compact-Layer-free, Fully Printable Mesoscopic Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 15616-15623.	4.0	31
13	Agâ€“LaFeO₃ fibers, spheres, and cages for ultrasensitive detection of formaldehyde at low operating temperatures. Physical Chemistry Chemical Physics, 2017, 19, 6973-6980.	1.3	26
14	Porous Anatase TiO₂ Nanocrystal Derived from the Metalâ€“Organic Framework as Electron Transport Material for Carbon-Based Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 6180-6187.	2.5	20
15	Carbonâ€Based Printable Perovskite Solar Cells with a Mesoporous TiO₂ Electron Transporting Layer Derived from Metalâ€“Organic Framework NH₂â€MILâ€125. Energy Technology, 2021, 9, 2000957.	1.8	11
16	Highly conductive Zinc-Tin-Oxide buffer layer for inverted polymer solar cells. Organic Electronics, 2016, 33, 156-163.	1.4	10
17	Efficient Bifacial Passivation Enables Printable Mesoscopic Perovskite Solar Cells with Improved Photovoltage and Fill Factor. Solar Rrl, 2020, 4, 2000288.	3.1	10
18	Formation of Multiphase Soft Metal from Compositing GaInSn and BiInSn Alloy Systems. ACS Applied Electronic Materials, 2022, 4, 112-123.	2.0	10

#	Article	IF	Citations
19	Controllable preparation of copper phthalocyanine single crystal nano column and its chlorine gas sensing properties. AIP Advances, 2016, 6, 095303.	0.6	9
20	Mechanism of the Dimethylammonium Cation in Hybrid Perovskites for Enhanced Performance and Stability of Printable Perovskite Solar Cells. Solar Rrl, 2022, 6, 2100923.	3.1	6
21	Exceptional ultraviolet photovoltaic response of 2,9-dimethyl-4,7-diphenyl-1,10-phenanthroline based detector. Journal of Applied Physics, 2015, 118, .	1.1	4
22	Unique and Excellent Paintable Liquid Metal for Fluorescent Displays. ACS Applied Materials & Interfaces, 2022, 14, 23951-23963.	4.0	4
23	Efficient cascade multiple heterojunction organic solar cells with inverted structure. Superlattices and Microstructures, 2018, 117, 215-219.	1.4	3