Weiwei Li

List of Publications by Year
in descending order

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Version: 2024-02-01

22	1,063	687220 13	677027 22
papers	citations	h-index	g-index

22	22	22	1732
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Confined Formation of Ultrathin ZnO Nanorods/Reduced Graphene Oxide Mesoporous Nanocomposites for High-Performance Room-Temperature NO₂ Sensors. ACS Applied Materials & Interfaces, 2016, 8, 35454-35463.	4.0	210
2	Photoelectric Synaptic Plasticity Realized by 2D Perovskite. Advanced Functional Materials, 2019, 29, 1902538.	7.8	132
3	Reduced Graphene Oxide/Mesoporous ZnO NSs Hybrid Fibers for Flexible, Stretchable, Twisted, and Wearable NO₂ E-Textile Gas Sensor. ACS Sensors, 2019, 4, 2809-2818.	4.0	114
4	UV light irradiation enhanced gas sensor selectivity of NO2 and SO2 using rGO functionalized with hollow SnO2 nanofibers. Sensors and Actuators B: Chemical, 2019, 290, 443-452.	4.0	112
5	High-Response Room-Temperature NO₂ Sensor and Ultrafast Humidity Sensor Based on SnO₂ with Rich Oxygen Vacancy. ACS Applied Materials & Interfaces, 2019, 11, 13441-13449.	4.0	108
6	Sprayed, Scalable, Wearable, and Portable NO₂ Sensor Array Using Fully Flexible AgNPs-All-Carbon Nanostructures. ACS Applied Materials & Interfaces, 2018, 10, 34485-34493.	4.0	74
7	Heterostructured graphene quantum dot/WSe2/Si photodetector with suppressed dark current and improved detectivity. Nano Research, 2018, 11, 3233-3243.	5.8	67
8	All-Inorganic Perovskite Nanowiresâ€“InGaZnO Heterojunction for High-Performance Ultravioletâ€“Visible Photodetectors. ACS Applied Materials & Interfaces, 2018, 10, 7231-7238.	4.0	53
9	Novel Transfer Behaviors in 2D MoS₂/WSe₂ Heterotransistor and Its Applications in Visibleâ€Near Infrared Photodetection. Advanced Electronic Materials, 2017, 3, 1600502.	2.6	51
10	Lateral multilayer/monolayer MoS2 heterojunction for high performance photodetector applications. Scientific Reports, 2017, 7, 4505.	1.6	35
11	Influence of low-dimension carbon-based electrodes on the performance of SnO₂ nanofiber gas sensors at room temperature. Nanotechnology, 2019, 30, 345503.	1.3	18
12	A novel microsensor fabricated with charge-flow transistor and a Langmuirâ€“Blodgett organic semiconductor film. Thin Solid Films, 2003, 424, 247-252.	0.8	14
13	Multi-layer graphene treated by O2 plasma for transparent conductive electrode applications. Materials Letters, 2012, 73, 187-189.	1.3	13
14	High-performance heterogeneous complementary inverters based on n-channel MoS2 and p-channel SWCNT transistors. Nano Research, 2017, 10, 276-283.	5.8	13
15	Synthesis and characterization of Sr1â^'xBaxBi4Ti4O15 ferroelectric materials. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 99, 352-355.	1.7	11
16	NO₂-induced performance enhancement of PEDOT:PSS/Si hybrid solar cells with a high efficiency of 13.44%. Physical Chemistry Chemical Physics, 2016, 18, 7184-7189.	1.3	11
17	Enhanced room-temperature NO2-sensing performance of AgNPs/rGO nanocomposites. Chemical Physics Letters, 2020, 738, 136873.	1.2	9
18	Highly Sensitive, Selective, Flexible and Scalable Room-Temperature NO2 Gas Sensor Based on Hollow SnO2/ZnO Nanofibers. Molecules, 2021, 26, 6475.	1.7	9

#	Article	IF	Citations
19	The Effect of Thin Film Fabrication Techniques on the Performance of rGO Based NO2 Gas Sensors at Room Temperature. Chemosensors, 2022, 10, 119.	1.8	4
20	The influence of film thickness and process temperature on c-axis orientation of Bi3TiTaO9 thin films. Journal of Sol-Gel Science and Technology, 2007, 42, 271-276.	1.1	2
21	Adsorption of NO₂ by hydrazine hydrate-reduced graphene oxide. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 118102.	0.2	2
22	Flexible nitrogen dioxide gas sensor based on reduced graphene oxide sensing material using silver nanowire electrode. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 058101.	0.2	1