Daejong Yang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6594406/publications.pdf

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17	543	759233 12	888059 17
papers	citations	h-index	g-index

19	19	19	906
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Localized Liquid-Phase Synthesis of Porous SnO₂ Nanotubes on MEMS Platform for Low-Power, High Performance Gas Sensors. ACS Applied Materials & Interfaces, 2017, 9, 27111-27119.	8.0	81
2	Micropatterning of metal oxide nanofibers by electrohydrodynamic (EHD) printing towards highly integrated and multiplexed gas sensor applications. Sensors and Actuators B: Chemical, 2017, 250, 574-583.	7.8	74
3	Gas Sensor by Direct Growth and Functionalization of Metal Oxide/Metal Sulfide Coreâ€“Shell Nanowires on Flexible Substrates. ACS Applied Materials & Interfaces, 2019, 11, 24298-24307.	8.0	65
4	Focused Energy Field Method for the Localized Synthesis and Direct Integration of 1D Nanomaterials on Microelectronic Devices. Advanced Materials, 2015, 27, 1207-1215.	21.0	55
5	Glucose Sensing Using Surface-Enhanced Raman-Mode Constraining. Analytical Chemistry, 2018, 90, 14269-14278.	6.5	52
6	Multiplexed Gas Sensor Based on Heterogeneous Metal Oxide Nanomaterial Array Enabled by Localized Liquid-Phase Reaction. ACS Applied Materials & Interfaces, 2015, 7, 10152-10161.	8.0	50
7	Surface-Enhanced Raman Spectroscopy-Based Label-Free Insulin Detection at Physiological Concentrations for Analysis of Islet Performance. ACS Sensors, 2018, 3, 65-71.	7.8	46
8	Self-Powered Gas Sensor Based on a Photovoltaic Cell and a Colorimetric Film with Hierarchical Micro/Nanostructures. ACS Applied Materials & Interfaces, 2020, 12, 39024-39032.	8.0	24
9	Fabrication of heterogeneous nanomaterial array by programmable heating and chemical supply within microfluidic platform towards multiplexed gas sensing application. Scientific Reports, 2015, 5, 8149.	3.3	22
10	In-situ integration and surface modification of functional nanomaterials by localized hydrothermal reaction for integrated and high performance chemical sensors. Sensors and Actuators B: Chemical, 2016, 226, 579-588.	7.8	19
11	Simple, Large-Scale Fabrication of Uniform Raman-Enhancing Substrate with Enhancement Saturation. ACS Applied Materials & Interfaces, 2017, 9, 19092-19101.	8.0	16
12	Overcoming evanescent field decay using 3D-tapered nanocavities for on-chip targeted molecular analysis. Nature Communications, 2020, 11, 2930.	12.8	16
13	Highly integrated synthesis of heterogeneous nanostructures on nanowire heater array. Nanoscale, 2014, 6, 14428-14432.	5.6	6
14	Design of Large-Scale Microwave Cavity for Uniform and Efficient Plastic Heating. Polymers, 2022, 14, 541.	4.5	6
15	Experimental Study on Ion Transport in Microfluidic Electrodialysis Using Partially Masked Ion Exchange Membranes. Micromachines, 2022, 13, 356.	2.9	5
16	Flexible Ultraviolet and Ambient Light Sensor Based on a Nanomaterial Network Fabricated Using Selective and Localized Wet Chemical Reactions. Langmuir, 2018, 34, 4132-4141.	3.5	3
17	Nanogap Formation Using a Chromium Oxide Film and Its Application as a Palladium Hydrogen Switch. Langmuir, 2022, 38, 1072-1078.	3.5	2