

# Daejong Yang

## List of Publications by Year in descending order

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17  
papers

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759233

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888059

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times ranked

906  
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#	ARTICLE	IF	CITATIONS
1	Nanogap Formation Using a Chromium Oxide Film and Its Application as a Palladium Hydrogen Switch. <i>Langmuir</i> , 2022, 38, 1072-1078.	3.5	2
2	Design of Large-Scale Microwave Cavity for Uniform and Efficient Plastic Heating. <i>Polymers</i> , 2022, 14, 541.	4.5	6
3	Experimental Study on Ion Transport in Microfluidic Electrodialysis Using Partially Masked Ion Exchange Membranes. <i>Micromachines</i> , 2022, 13, 356.	2.9	5
4	Overcoming evanescent field decay using 3D-tapered nanocavities for on-chip targeted molecular analysis. <i>Nature Communications</i> , 2020, 11, 2930.	12.8	16
5	Self-Powered Gas Sensor Based on a Photovoltaic Cell and a Colorimetric Film with Hierarchical Micro/Nanostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 39024-39032.	8.0	24
6	Gas Sensor by Direct Growth and Functionalization of Metal Oxide/Metal Sulfide Core-Shell Nanowires on Flexible Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 24298-24307.	8.0	65
7	Surface-Enhanced Raman Spectroscopy-Based Label-Free Insulin Detection at Physiological Concentrations for Analysis of Islet Performance. <i>ACS Sensors</i> , 2018, 3, 65-71.	7.8	46
8	Flexible Ultraviolet and Ambient Light Sensor Based on a Nanomaterial Network Fabricated Using Selective and Localized Wet Chemical Reactions. <i>Langmuir</i> , 2018, 34, 4132-4141.	3.5	3
9	Glucose Sensing Using Surface-Enhanced Raman-Mode Constraining. <i>Analytical Chemistry</i> , 2018, 90, 14269-14278.	6.5	52
10	Micropatterning of metal oxide nanofibers by electrohydrodynamic (EHD) printing towards highly integrated and multiplexed gas sensor applications. <i>Sensors and Actuators B: Chemical</i> , 2017, 250, 574-583.	7.8	74
11	Simple, Large-Scale Fabrication of Uniform Raman-Enhancing Substrate with Enhancement Saturation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 19092-19101.	8.0	16
12	Localized Liquid-Phase Synthesis of Porous SnO <sub>2</sub> Nanotubes on MEMS Platform for Low-Power, High Performance Gas Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 27111-27119.	8.0	81
13	In-situ integration and surface modification of functional nanomaterials by localized hydrothermal reaction for integrated and high performance chemical sensors. <i>Sensors and Actuators B: Chemical</i> , 2016, 226, 579-588.	7.8	19
14	Focused Energy Field Method for the Localized Synthesis and Direct Integration of 1D Nanomaterials on Microelectronic Devices. <i>Advanced Materials</i> , 2015, 27, 1207-1215.	21.0	55
15	Fabrication of heterogeneous nanomaterial array by programmable heating and chemical supply within microfluidic platform towards multiplexed gas sensing application. <i>Scientific Reports</i> , 2015, 5, 8149.	3.3	22
16	Multiplexed Gas Sensor Based on Heterogeneous Metal Oxide Nanomaterial Array Enabled by Localized Liquid-Phase Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 10152-10161.	8.0	50
17	Highly integrated synthesis of heterogeneous nanostructures on nanowire heater array. <i>Nanoscale</i> , 2014, 6, 14428-14432.	5.6	6