

# Di Wang

## List of Publications by Year in descending order

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18  
papers

341  
citations

932766

10  
h-index

839053

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19  
docs citations

19  
times ranked

361  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of transdermal biomarkers using gradient-based colorimetric array sensor. <i>Biosensors and Bioelectronics</i> , 2022, 195, 113650.	5.3	9
2	Artificial Intelligent Olfactory System for the Diagnosis of Parkinson's Disease. <i>ACS Omega</i> , 2022, 7, 4001-4010.	1.6	11
3	Online Accurate Detection of Breath Acetone Using Metal Oxide Semiconductor Gas Sensor and Diffusive Gas Separation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 861950.	2.0	7
4	Artificially Intelligent Olfaction for Fast and Noninvasive Diagnosis of Bladder Cancer from Urine. <i>ACS Sensors</i> , 2022, 7, 1720-1731.	4.0	26
5	High-performance acetone sensor based on electrospun Tb-doped $\text{Fe}_2\text{O}_3$ nanotubes. <i>Ceramics International</i> , 2022, 48, 26828-26835.	2.3	10
6	Mitigation of Humidity Interference in Colorimetric Sensing of Gases. <i>ACS Sensors</i> , 2021, 6, 303-320.	4.0	34
7	Colorimetric Sensor for Online Accurate Detection of Breath Acetone. <i>ACS Sensors</i> , 2021, 6, 450-453.	4.0	43
8	Gradient-Based Colorimetric Array Sensor for Continuous Monitoring of Multiple Gas Analytes. <i>ACS Sensors</i> , 2021, 6, 439-442.	4.0	9
9	Mitigation of Data Packet Loss in Bluetooth Low Energy-Based Wearable Healthcare Ecosystem. <i>Biosensors</i> , 2021, 11, 350.	2.3	17
10	Integrating Electrochemical and Colorimetric Sensors with a Webcam Readout for Multiple Gas Detection. <i>Analytical Chemistry</i> , 2020, 92, 799-805.	3.2	4
11	A Microdroplet-Based Colorimetric Sensing Platform on a CMOS Imager Chip. <i>Analytical Chemistry</i> , 2020, 92, 9362-9369.	3.2	7
12	Developing a Low-Cost Wearable Personal Exposure Monitor for Studying Respiratory Diseases Using Metal Oxide Sensors. <i>IEEE Sensors Journal</i> , 2019, 19, 8252-8261.	2.4	40
13	Light-Controlled Configurable Colorimetric Sensing Array. <i>Analytical Chemistry</i> , 2019, 91, 6632-6637.	3.2	10
14	Micro Quartz Tuning Fork-Based $\text{PM}_{2.5}$ Sensor for Personal Exposure Monitoring. <i>IEEE Sensors Journal</i> , 2019, 19, 2482-2489.	2.4	14
15	Gradient-Based Colorimetric Sensors for Continuous Gas Monitoring. <i>Analytical Chemistry</i> , 2018, 90, 5375-5380.	3.2	24
16	Real-Time Simultaneous Separation and Detection of Chemicals Using Integrated Microcolumn and Surface Plasmon Resonance Imaging Micro-GC. <i>IEEE Sensors Journal</i> , 2018, 18, 1351-1357.	2.4	6
17	High Performance Colorimetric Carbon Monoxide Sensor for Continuous Personal Exposure Monitoring. <i>ACS Sensors</i> , 2018, 3, 327-333.	4.0	64
18	A Miniaturized Particulate Matter Sensing Platform Based on CMOS Imager and Real-Time Image Processing. <i>IEEE Sensors Journal</i> , 2018, 18, 7421-7428.	2.4	6