

Di Wang

List of Publications by Year in descending order

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papers

341
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932766

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19
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19
times ranked

361
citing authors

#	ARTICLE	IF	CITATIONS
1	High Performance Colorimetric Carbon Monoxide Sensor for Continuous Personal Exposure Monitoring. ACS Sensors, 2018, 3, 327-333.	4.0	64
2	Colorimetric Sensor for Online Accurate Detection of Breath Acetone. ACS Sensors, 2021, 6, 450-453.	4.0	43
3	Developing a Low-Cost Wearable Personal Exposure Monitor for Studying Respiratory Diseases Using Metal Oxide Sensors. IEEE Sensors Journal, 2019, 19, 8252-8261.	2.4	40
4	Mitigation of Humidity Interference in Colorimetric Sensing of Gases. ACS Sensors, 2021, 6, 303-320.	4.0	34
5	Artificially Intelligent Olfaction for Fast and Noninvasive Diagnosis of Bladder Cancer from Urine. ACS Sensors, 2022, 7, 1720-1731.	4.0	26
6	Gradient-Based Colorimetric Sensors for Continuous Gas Monitoring. Analytical Chemistry, 2018, 90, 5375-5380.	3.2	24
7	Mitigation of Data Packet Loss in Bluetooth Low Energy-Based Wearable Healthcare Ecosystem. Biosensors, 2021, 11, 350.	2.3	17
8	Micro Quartz Tuning Fork-Based PM _{2.5} Sensor for Personal Exposure Monitoring. IEEE Sensors Journal, 2019, 19, 2482-2489.	2.4	14
9	Artificial Intelligent Olfactory System for the Diagnosis of Parkinson's Disease. ACS Omega, 2022, 7, 4001-4010.	1.6	11
10	Light-Controlled Configurable Colorimetric Sensing Array. Analytical Chemistry, 2019, 91, 6632-6637.	3.2	10
11	High-performance acetone sensor based on electrospun Tb-doped Fe_2O_3 nanotubes. Ceramics International, 2022, 48, 26828-26835.	2.3	10
12	Gradient-Based Colorimetric Array Sensor for Continuous Monitoring of Multiple Gas Analytes. ACS Sensors, 2021, 6, 439-442.	4.0	9
13	Detection of transdermal biomarkers using gradient-based colorimetric array sensor. Biosensors and Bioelectronics, 2022, 195, 113650.	5.3	9
14	A Microdroplet-Based Colorimetric Sensing Platform on a CMOS Imager Chip. Analytical Chemistry, 2020, 92, 9362-9369.	3.2	7
15	Online Accurate Detection of Breath Acetone Using Metal Oxide Semiconductor Gas Sensor and Diffusive Gas Separation. Frontiers in Bioengineering and Biotechnology, 2022, 10, 861950.	2.0	7
16	Real-Time Simultaneous Separation and Detection of Chemicals Using Integrated Microcolumn and Surface Plasmon Resonance Imaging Micro-GC. IEEE Sensors Journal, 2018, 18, 1351-1357.	2.4	6
17	A Miniaturized Particulate Matter Sensing Platform Based on CMOS Imager and Real-Time Image Processing. IEEE Sensors Journal, 2018, 18, 7421-7428.	2.4	6
18	Integrating Electrochemical and Colorimetric Sensors with a Webcam Readout for Multiple Gas Detection. Analytical Chemistry, 2020, 92, 799-805.	3.2	4