

Meng Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

640
citations

759233

12
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888059

17
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17
docs citations

17
times ranked

775
citing authors

#	ARTICLE	IF	CITATIONS
1	A Smartphone-Based Sensing System for On-Site Quantitation of Multiple Heavy Metal Ions Using Fluorescent Carbon Nanodots-Based Microarrays. <i>ACS Sensors</i> , 2020, 5, 870-878.	7.8	127
2	A smartphone-based quantitative point-of-care testing (POCT) system for simultaneous detection of multiple heavy metal ions. <i>Chemical Engineering Journal</i> , 2020, 394, 124966.	12.7	96
3	Ultrasensitive detection of avian influenza A (H7N9) virus using surface-enhanced Raman scattering-based lateral flow immunoassay strips. <i>Analytica Chimica Acta</i> , 2019, 1053, 139-147.	5.4	74
4	Virus Detection: From State-of-the-Art Laboratories to Smartphone-Based Point-of-Care Testing. <i>Advanced Science</i> , 2022, 9, e2105904.	11.2	66
5	A Portable Smart-Phone Readout Device for the Detection of Mercury Contamination Based on an Aptamer-Assay Nanosensor. <i>Sensors</i> , 2016, 16, 1871.	3.8	56
6	A new lateral-flow immunochromatographic strip combined with quantum dot nanobeads and gold nanoflowers for rapid detection of tetrodotoxin. <i>Analyst, The</i> , 2017, 142, 4393-4398.	3.5	39
7	A turn-on competitive immunochromatographic strips integrated with quantum dots and gold nano-stars for cadmium ion detection. <i>Talanta</i> , 2018, 178, 644-649.	5.5	38
8	A novel SERS-based lateral flow assay for differential diagnosis of wild-type pseudorabies virus and gE-deleted vaccine. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 152-157.	7.8	30
9	A membrane-based fluorescence-quenching immunochromatographic sensor for the rapid detection of tetrodotoxin. <i>Food Control</i> , 2017, 81, 101-106.	5.5	18
10	Integration of a 3D-printed read-out platform with a quantum dot-based immunoassay for detection of the avian influenza A (H7N9) virus. <i>Analyst, The</i> , 2019, 144, 2594-2603.	3.5	17
11	Multiplexed Detection of Fe ³⁺ , Cobalamin and Folate Using Fluorescent Nanoprobe-Based Microarrays and a Smartphone. <i>Journal of Analysis and Testing</i> , 2021, 5, 19-29.	5.1	15
12	Dual-Function Antibacterial Micelle <i>via</i> Self-Assembling Block Copolymers with Various Antibacterial Nanoparticles. <i>ACS Omega</i> , 2020, 5, 8523-8533.	3.5	13
13	A Rapid, Simple, and Low-Cost CD4 Cell Count Sensor Based on Blocking Immunochromatographic Strip System. <i>ACS Sensors</i> , 2019, 4, 1508-1514.	7.8	11
14	Logic Gate Design Using Multicolor Fluorescent Carbon Nanodots for Smartphone-Based Information Extraction. <i>ACS Applied Nano Materials</i> , 2021, 4, 8184-8191.	5.0	11
15	Practical immune-barometer sensor for trivalent chromium ion detection using gold core platinum shell nanoparticle probes. <i>Analyst, The</i> , 2018, 143, 1426-1433.	3.5	10
16	Point-of-need quantitation of 2,4-dichlorophenoxyacetic acid using a ratiometric fluorescent nanoprobe and a smartphone-based sensing system. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132083.	7.8	10
17	A novel fluorescent immunochromatographic strip combined with pocket fluorescence observation instrument for rapid detection of PRV. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7655-7661.	3.7	9