

Haicong Shen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8929382/publications.pdf>

Version: 2024-02-01

20
papers

799
citations

687363

13
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1206
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of Aptamers Targeting the Receptor-Binding Domain of the SARS-CoV-2 Spike Glycoprotein. <i>Analytical Chemistry</i> , 2020, 92, 9895-9900.	6.5	296
2	A microfluidic-integrated lateral flow recombinase polymerase amplification (MI-IF-RPA) assay for rapid COVID-19 detection. <i>Lab on A Chip</i> , 2021, 21, 2019-2026.	6.0	101
3	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
4	Aptamer-based fluorescence-quenching lateral flow strip for rapid detection of mercury (II) ion in water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5209-5216.	3.7	54
5	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
6	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
7	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
8	Aptamer Generated by Cell-SELEX for Specific Targeting of Human Glioma Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9306-9315.	8.0	30
9	A portable chromium ion detection system based on a smartphone readout device. <i>Analytical Methods</i> , 2016, 8, 6877-6882.	2.7	26
10	A membrane-based fluorescence-quenching immunochromatographic sensor for the rapid detection of tetrodotoxin. <i>Food Control</i> , 2017, 81, 101-106.	5.5	18
11	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
12	Microfluidic devices with simplified signal readout. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129730.	7.8	16
13	Antibody-engineered red blood cell interface for high-performance capture and release of circulating tumor cells. <i>Bioactive Materials</i> , 2022, 11, 32-40.	15.6	15
14	An electrochemical method for a rapid and sensitive immunoassay on digital microfluidics with integrated indium tin oxide electrodes coated on a PET film. <i>Analyst, The</i> , 2021, 146, 4473-4479.	3.5	12
15	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
16	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
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
18	Magnetofluid-Integrated Multicolor Immunochip for Visual Analysis of Neutralizing Antibodies to SARS-CoV-2 Variants. <i>Analytical Chemistry</i> , 2022, 94, 8458-8465.	6.5	8

#	ARTICLE	IF	CITATIONS
19	In situ Raman enhancement strategy for highly sensitive and quantitative lateral flow assay. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 507-513.	3.7	6
20	A polypyrrole-mediated photothermal biosensor with a temperature and pressure dual readout for the detection of protein biomarkers. <i>Analyst, The</i> , 2022, 147, 2671-2677.	3.5	6