

# Haicong Shen

## List of Publications by Year in descending order

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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  | 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         |
| 2  | 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        |
| 3  | 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         |
| 4  | 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         |
| 5  | Aptamer Generated by Cell-SELEX for Specific Targeting of Human Glioma Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 9306-9315.   | 8.0  | 30        |
| 6  | 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       |
| 7  | Microfluidic devices with simplified signal readout. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129730.   | 7.8  | 16        |
| 8  | 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        |
| 9  | 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       |
| 10 | 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        |
| 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 | 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        |
| 13 | 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        |
| 14 | 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        |
| 15 | 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         |
| 16 | A membrane-based fluorescence-quenching immunochromatographic sensor for the rapid detection of tetrodotoxin. <i>Food Control</i> , 2017, 81, 101-106.   | 5.5  | 18        |
| 17 | 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        |
| 18 | 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        |

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|----|---|-----|-----------|
| 19 | 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        |
| 20 | A portable chromium ion detection system based on a smartphone readout device. <i>Analytical Methods</i> , 2016, 8, 6877-6882.                          | 2.7 | 26        |