

Rui Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,136
citations

687363

13
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

1707
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Facile Synthesis of Au-Coated Magnetic Nanoparticles and Their Application in Bacteria Detection via a SERS Method. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19958-19967. | 8.0 | 196 |
| 2 | Fe ₃ O ₄ @Ag magnetic nanoparticles for microRNA capture and duplex-specific nuclease signal amplification based SERS detection in cancer cells. <i>Biosensors and Bioelectronics</i> , 2016, 79, 574-580. | 10.1 | 180 |
| 3 | Magnetically Assisted Surface-Enhanced Raman Spectroscopy for the Detection of <i>Staphylococcus aureus</i> Based on Aptamer Recognition. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20919-20929. | 8.0 | 162 |
| 4 | Smartphone-based fluorescent lateral flow immunoassay platform for highly sensitive point-of-care detection of Zika virus nonstructural protein 1. <i>Analytica Chimica Acta</i> , 2019, 1055, 140-147. | 5.4 | 129 |
| 5 | Portable and multiplexed lateral flow immunoassay reader based on SERS for highly sensitive point-of-care testing. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112524. | 10.1 | 77 |
| 6 | Magnetic immunoassay for cancer biomarker detection based on surface-enhanced resonance Raman scattering from coupled plasmonic nanostructures. <i>Biosensors and Bioelectronics</i> , 2016, 84, 15-21. | 10.1 | 66 |
| 7 | Polyethylenimine-interlayered silver-shell magnetic-core microspheres as multifunctional SERS substrates. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8684-8693. | 5.5 | 65 |
| 8 | Fast and non-invasive serum detection technology based on surface-enhanced Raman spectroscopy and multivariate statistical analysis for liver disease. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 451-459. | 3.3 | 44 |
| 9 | Dual dye-loaded Au@Ag coupled to a lateral flow immunoassay for the accurate and sensitive detection of <i>Mycoplasma pneumoniae</i> infection. <i>RSC Advances</i> , 2018, 8, 21243-21251. | 3.6 | 44 |
| 10 | Dual-Color Selective and Dual-Color Enhanced SERS Nanoprobes Strategy for Circulating Hepatocellular Carcinoma Cells Detection. <i>Chemistry - A European Journal</i> , 2018, 24, 7060-7067. | 3.3 | 43 |
| 11 | Rapid identification and antibiotic susceptibility test of pathogens in blood based on magnetic separation and surface-enhanced Raman scattering. <i>Mikrochimica Acta</i> , 2019, 186, 475. | 5.0 | 43 |
| 12 | Hotspots engineering by grafting Au@Ag core-shell nanoparticles on the Au film over slightly etched nanoparticles substrate for on-site paraquat sensing. <i>Biosensors and Bioelectronics</i> , 2016, 86, 944-950. | 10.1 | 39 |
| 13 | Ultra-sensitive, high-throughput detection of infectious diarrheal diseases by portable chemiluminescence imaging. <i>Biosensors and Bioelectronics</i> , 2014, 57, 36-40. | 10.1 | 18 |
| 14 | Highly sensitive detection of three protein toxins via SERS-lateral flow immunoassay based on SiO ₂ @Au nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022, 41, 102522. | 3.3 | 15 |
| 15 | Automatic and sensitive detection of West Nile virus non-structural protein 1 with a portable SERS-LFIA detector. <i>Mikrochimica Acta</i> , 2021, 188, 206. | 5.0 | 13 |
| 16 | Study on beam propagation through a double-adaptive-optics optical system in turbulent atmosphere. <i>Optical and Quantum Electronics</i> , 2013, 45, 411-421. | 3.3 | 0 |