

Paper Performance

2024 - Microfluidic advances in food safety control - [FOOD RESEARCH INTERNATIONAL]

2024 - Pipette-free field-deployable molecular diagnostic kit for bimodal visual detection of infectious RNA viruses - [BIOTECHNOLOGY JOURNAL]

2024 - Recent advances in luminescent lanthanides and transition metal complex-based probes for imaging reactive oxygen, nitrogen, and sulfur species in living cells - [COORDINATION CHEMISTRY REVIEWS]

2024 - β -Cyclodextrin-Stabilized Silver Nanoparticle Production Combined with Loop-Mediated Isothermal Amplification for the Visual Detection of Contagious Pathogens - [MICROMACHINES]

2023 - Reduced graphene oxide: Biofabrication and environmental applications - [CHEMOSPHERE]

2023 - Dual-mode visual detection strategies of viable pathogens for point-of-care testing - [BIOSENSORS & BIOELECTRONICS]

2023 - PDMS Micropatterns Coated with PDA and RGD Induce a Regulatory Macrophage-like Phenotype - [MICROMACHINES]

2023 - Recent Advances in Molecular and Immunological Diagnostic Platform for Virus Detection: A Review - [BIOSENSORS-BASEL]

2023 - Design Strategy and Application of Deep Eutectic Solvents for Green Synthesis of Nanomaterials - [NANOMATERIALS]

2023 - Quercetin-Mediated Silver Nanoparticle Formation for the Colorimetric Detection of Infectious Pathogens Coupled with Loop-Mediated Isothermal Amplification - [ACS SENSORS]

2023 - Point-of-Care Testing of the MTF1 Osteoarthritis Biomarker Using Phenolphthalein-Soaked Swabs - [BIOSENSORS-BASEL]

2023 - Droplet-Based Microfluidics: Applications in Pharmaceuticals - [PHARMACEUTICALS]

2023 - Metagenomics: An Effective Approach for Exploring Microbial Diversity and Functions - [FOODS]

2023 - Advances in deoxyribonucleic acid extraction techniques and point-of-care molecular diagnosis of foodborne pathogens - [ANALYST]

2023 - Chitosan-Vitamin C Complex: A Nature-Inspired Adhesive for Bonding Poly(methyl methacrylate) Devices for Biomedical Applications - [ACS APPLIED POLYMER MATERIALS]

2023 - Pipette-Free and Fully Integrated Paper Device Employing DNA Extraction, Isothermal Amplification, and Carmoisine-Based Colorimetric Detection for Determining Infectious Pathogens - [SENSORS]

2023 - Carbon-dot-triggered aggregation/dispersion of gold nanoparticles for colorimetric detection of nucleic acids and its application in visualization of loop-mediated isothermal amplification - [ANALYTICAL METHODS]

2023 - Copper: DNA extraction and solid phase detection agent for all-in-one molecular diagnostic device coupled with isothermal amplification - [Biosensors and Bioelectronics]

2023 - A point-of-care platform for hair loss-related single nucleotide polymorphism genotyping - [ANALYTICA CHIMICA ACTA]

2023 - A paper-embedded thermoplastic microdevice integrating additive-enhanced allele-specific amplification and silver nanoparticle-based colorimetric detection for point-of-care testing - [LAB ON A CHIP]

2023 - Copper Sulfate-Induced Diphenylamine for Rapid Colorimetric Point-of-Care Detection of Contagious Pathogens Combined with Loop-Mediated Isothermal Amplification - [ACS SUSTAINABLE CHEMISTRY & ENGINEERING]

2023 - Chitosan: a green adhesive for surface functionalization and fabrication of thermoplastic biomedical microdevices - [LAB ON A CHIP]

2022 - Adsorptive removal of organic pollutant methylene blue using polysaccharide-based composite hydrogels - [CHEMOSPHERE]

2022 - Fabrication of Wearable PDMS Device for Rapid Detection of Nucleic Acids via Recombinase Polymerase Amplification Operated by Human Body Heat - [BIOSENSORS-BASEL]

- 2022** - Fabrication of a fully integrated paper microdevice for point-of-care testing of infectious disease using Safranin O dye coupled with loop-mediated isothermal amplification - [BIOSENSORS & BIOELECTRONICS]
- 2022** - Advances in Nucleic Acid Amplification-Based Microfluidic Devices for Clinical Microbial Detection - [CHEMOSENSORS]
- 2022** - Emerging bismuth-based direct Z-scheme photocatalyst for the degradation of organic dye and antibiotic residues - [Chemosphere]
- 2022** - A Rotatable Paper Device Integrating Reverse Transcription Loop-Mediated Isothermal Amplification and a Food Dye for Colorimetric Detection of Infectious Pathogens - [BIOSENSORS-BASEL]
- 2022** - Green synthesis of carbon quantum dots and their environmental applications - [Environmental Research]
- 2022** - Recent advances in the fabrication strategies of paper-based microfluidic devices for rapid detection of bacteria and viruses - [Microchemical Journal]
- 2022** - Fabrication of a Cell-Friendly Poly(dimethylsiloxane) Culture Surface via Polydopamine Coating - [MICROMACHINES]
- 2022** - Bonding Strategies for Thermoplastics Applicable for Bioanalysis and Diagnostics - [MICROMACHINES]
- 2022** - Recent Methods for the Viability Assessment of Bacterial Pathogens: Advances, Challenges, and Future Perspectives - [PATHOGENS]
- 2022** - Colorimetric detection of viable antibiotic resistant Enterococcus mediated by cordless operation of reverse transcription loop-mediated isothermal amplification - [JOURNAL OF BIOTECHNOLOGY]
- 2022** - Recent advances in airborne pathogen detection using optical and electrochemical biosensors - [Analytica Chimica Acta]
- 2022** - Universal Printing Technique of Polydopamine onto Versatile Surfaces for High-Resolution Cell Patterning Using Wet Elastomeric Stamp - [ADVANCED MATERIALS TECHNOLOGIES]
- 2022** - Recent Progress in Nanotechnology-Based Approaches for Food Monitoring - [Nanomaterials]