

Yi Wang

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,802
citations

279701

23
h-index

315616

38
g-index

61
all docs

61
docs citations

61
times ranked

1668
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Multiplex reverse transcription loop-mediated isothermal amplification combined with nanoparticle-based lateral flow biosensor for the diagnosis of COVID-19. <i>Biosensors and Bioelectronics</i> , 2020, 166, 112437. | 5.3 | 332 |
| 2 | Rapid and Sensitive Isothermal Detection of Nucleic-acid Sequence by Multiple Cross Displacement Amplification. <i>Scientific Reports</i> , 2015, 5, 11902. | 1.6 | 105 |
| 3 | Rapid, Ultrasensitive, and Highly Specific Diagnosis of COVID-19 by CRISPR-Based Detection. <i>ACS Sensors</i> , 2021, 6, 881-888. | 4.0 | 81 |
| 4 | Loop-Mediated Isothermal Amplification Label-Based Gold Nanoparticles Lateral Flow Biosensor for Detection of <i>Enterococcus faecalis</i> and <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 192. | 1.5 | 55 |
| 5 | Multiple Endonuclease Restriction Real-Time Loop-Mediated Isothermal Amplification. <i>Journal of Molecular Diagnostics</i> , 2015, 17, 392-401. | 1.2 | 54 |
| 6 | Highly sensitive and specific diagnosis of COVID-19 by reverse transcription multiple cross-displacement amplification-labelled nanoparticles biosensor. <i>European Respiratory Journal</i> , 2020, 56, 2002060. | 3.1 | 52 |
| 7 | A one-step, one-pot CRISPR nucleic acid detection platform (CRISPR-top): Application for the diagnosis of COVID-19. <i>Talanta</i> , 2021, 233, 122591. | 2.9 | 51 |
| 8 | Development of multiple cross displacement amplification label-based gold nanoparticles lateral flow biosensor for detection of <i>Listeria monocytogenes</i> . <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 473-486. | 3.3 | 45 |
| 9 | LAMP-CRISPR-Cas12-based diagnostic platform for detection of <i>Mycobacterium tuberculosis</i> complex using real-time fluorescence or lateral flow test. <i>Mikrochimica Acta</i> , 2021, 188, 347. | 2.5 | 43 |
| 10 | Rapid and Sensitive Detection of <i>Shigella</i> spp. and <i>Salmonella</i> spp. by Multiple Endonuclease Restriction Real-Time Loop-Mediated Isothermal Amplification Technique. <i>Frontiers in Microbiology</i> , 2015, 6, 1400. | 1.5 | 39 |
| 11 | Antarctic thermolabile uracil-DNA-glycosylase-supplemented multiple cross displacement amplification using a label-based nanoparticle lateral flow biosensor for the simultaneous detection of nucleic acid sequences and elimination of carryover contamination. <i>Nano Research</i> , 2018, 11, 2632-2647. | 5.8 | 38 |
| 12 | Multiple Cross Displacement Amplification Coupled With Nanoparticles-Based Lateral Flow Biosensor for Detection of <i>Staphylococcus aureus</i> and Identification of Methicillin-Resistant <i>S. aureus</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 907. | 1.5 | 37 |
| 13 | Rapid and Sensitive Detection of <i>Vibrio parahaemolyticus</i> and <i>Vibrio vulnificus</i> by Multiple Endonuclease Restriction Real-Time Loop-Mediated Isothermal Amplification Technique. <i>Molecules</i> , 2016, 21, 111. | 1.7 | 33 |
| 14 | Loop-mediated isothermal amplification using self-avoiding molecular recognition systems and antarctic thermal sensitive uracil-DNA-glycosylase for detection of nucleic acid with prevention of carryover contamination. <i>Analytica Chimica Acta</i> , 2017, 996, 74-87. | 2.6 | 33 |
| 15 | Detection of nucleic acids and elimination of carryover contamination by using loop-mediated isothermal amplification and antarctic thermal sensitive uracil-DNA-glycosylase in a lateral flow biosensor: application to the detection of <i>Streptococcus pneumoniae</i> . <i>Mikrochimica Acta</i> , 2018, 185, 212. | 2.5 | 33 |
| 16 | Development of Multiple Cross Displacement Amplification Label-Based Gold Nanoparticles Lateral Flow Biosensor for Detection of <i>Shigella</i> spp.. <i>Frontiers in Microbiology</i> , 2016, 7, 1834. | 1.5 | 32 |
| 17 | Rapid and sensitive detection of <i>Listeria monocytogenes</i> by cross-priming amplification of <i>lmo0733</i> gene. <i>FEMS Microbiology Letters</i> , 2014, 361, 43-51. | 0.7 | 31 |
| 18 | Multiplex, Rapid, and Sensitive Isothermal Detection of Nucleic-Acid Sequence by Endonuclease Restriction-Mediated Real-Time Multiple Cross Displacement Amplification. <i>Frontiers in Microbiology</i> , 2016, 7, 753. | 1.5 | 31 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Multiple Cross Displacement Amplification Combined with Gold Nanoparticle-Based Lateral Flow Biosensor for Detection of <i>Vibrio parahaemolyticus</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 2047. | 1.5 | 31 |
| 20 | A 12-month longitudinal study of <i>Listeria monocytogenes</i> contamination and persistence in pork retail markets in China. <i>Food Control</i> , 2017, 76, 66-73. | 2.8 | 31 |
| 21 | Visual and multiplex detection of nucleic acid sequence by multiple cross displacement amplification coupled with gold nanoparticle-based lateral flow biosensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 1283-1293. | 4.0 | 31 |
| 22 | <p>Lateral flow biosensor combined with loop-mediated isothermal amplification for simple, rapid, sensitive, and reliable detection of Brucella spp</p>. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 2343-2353. | 1.1 | 31 |
| 23 | Metabolomic analysis reveals potential biomarkers and the underlying pathogenesis involved in <i>Mycoplasma pneumoniae</i> pneumonia. <i>Emerging Microbes and Infections</i> , 2022, 11, 593-605. | 3.0 | 27 |
| 24 | Rapid Detection of <i>Brucella</i> spp. and Elimination of Carryover Using Multiple Cross Displacement Amplification Coupled With Nanoparticles-Based Lateral Flow Biosensor. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 78. | 1.8 | 26 |
| 25 | Rapid and Sensitive Detection of <i>Listeria ivanovii</i> by Loop-Mediated Isothermal Amplification of the smcL Gene. <i>PLoS ONE</i> , 2014, 9, e115868. | 1.1 | 25 |
| 26 | The Novel Multiple Inner Primers-Loop-Mediated Isothermal Amplification (MIP-LAMP) for Rapid Detection and Differentiation of <i>Listeria monocytogenes</i> . <i>Molecules</i> , 2015, 20, 21515-21531. | 1.7 | 23 |
| 27 | <i>Helicobacter himalayensis</i> sp. nov. isolated from gastric mucosa of <i>Marmota himalayana</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1719-1725. | 0.8 | 23 |
| 28 | A label-free technique for accurate detection of nucleic acidâ€‘based self-avoiding molecular recognition systems supplemented multiple cross-displacement amplification and nanoparticles based biosensor. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1-14. | 1.9 | 23 |
| 29 | Development of loop-mediated isothermal amplification coupled with nanoparticle-based lateral flow biosensor assay for <i>Mycoplasma pneumoniae</i> detection. <i>AMB Express</i> , 2019, 9, 196. | 1.4 | 23 |
| 30 | Risk Factors and Level of <i>Listeria monocytogenes</i> Contamination of Raw Pork in Retail Markets in China. <i>Frontiers in Microbiology</i> , 2018, 9, 1090. | 1.5 | 21 |
| 31 | Establishment and Application of a Multiple Cross Displacement Amplification Coupled With Nanoparticle-Based Lateral Flow Biosensor Assay for Detection of <i>Mycoplasma pneumoniae</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 325. | 1.8 | 21 |
| 32 | Isolation and characterization of <i>Listeria monocytogenes</i> from the black-headed gull feces in Kunming, China. <i>Journal of Infection and Public Health</i> , 2018, 11, 59-63. | 1.9 | 19 |
| 33 | <i>Streptococcus himalayensis</i> sp. nov., isolated from the respiratory tract of <i>Marmota himalayana</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 256-261. | 0.8 | 19 |
| 34 | Development and Clinical Validation of Multiple Cross Displacement Amplification Combined With Nanoparticles-Based Biosensor for Detection of <i>Mycobacterium tuberculosis</i> : Preliminary Results. <i>Frontiers in Microbiology</i> , 2019, 10, 2135. | 1.5 | 18 |
| 35 | Development of a Novel <i>Listeria</i> Enrichment Broth for the Isolation of Pathogenic <i>Listeria</i> . <i>Journal of Food Protection</i> , 2017, 80, 1768-1776. | 0.8 | 17 |
| 36 | Rapid, sensitive and reliable detection of <i>Klebsiella pneumoniae</i> by label-free multiple cross displacement amplification coupled with nanoparticles-based biosensor. <i>Journal of Microbiological Methods</i> , 2018, 149, 80-88. | 0.7 | 17 |

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|----|---|-----|-----------|
| 37 | Graphene oxide and self-avoiding molecular recognition systems-assisted recombinase polymerase amplification coupled with lateral flow bioassay for nucleic acid detection. <i>Mikrochimica Acta</i> , 2020, 187, 667. | 2.5 | 17 |
| 38 | Identification and Characterization of als Genes Involved in D-Allose Metabolism in Lineage II Strain of <i>Listeria monocytogenes</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 621. | 1.5 | 16 |
| 39 | Increased Macrolide Resistance Rate of M3562 <i>Mycoplasma pneumoniae</i> Correlated With Macrolide Usage and Genotype Shifting. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 675466. | 1.8 | 16 |
| 40 | A CRISPR-Cas12b-Based Platform for Ultrasensitive, Rapid, and Highly Specific Detection of Hepatitis B Virus Genotypes B and C in Clinical Application. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 743322. | 2.0 | 16 |
| 41 | Prevalence and Characteristics of <i>Listeria ivanovii</i> Strains in Wild Rodents in China. <i>Vector-Borne and Zoonotic Diseases</i> , 2019, 19, 8-15. | 0.6 | 15 |
| 42 | <i>Streptococcus marmotae</i> sp. nov., isolated from the respiratory tract of <i>Marmota himalayana</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4315-4322. | 0.8 | 15 |
| 43 | Proteomic and Metabolomic Signatures Associated With the Immune Response in Healthy Individuals Immunized With an Inactivated SARS-CoV-2 Vaccine. <i>Frontiers in Immunology</i> , 2022, 13, . | 2.2 | 15 |
| 44 | <p>Development of a multiple cross displacement amplification combined with nanoparticles-based biosensor assay to detect Neisseria meningitidis</p>. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 2077-2087. | 1.1 | 13 |
| 45 | Nanoparticles-based lateral flow biosensor coupled with multiple cross displacement amplification Plus for simultaneous detection of nucleic acid and prevention of carryover contamination. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3332-3343. | 4.0 | 12 |
| 46 | Multi-Platform Omics Analysis Reveals Molecular Signatures for Pathogenesis and Activity of Systemic Lupus Erythematosus. <i>Frontiers in Immunology</i> , 2022, 13, 833699. | 2.2 | 11 |
| 47 | Nanoparticle-based lateral flow biosensor combined with multiple cross displacement amplification for rapid, visual and sensitive detection of <i>Vibrio cholerae</i> . <i>FEMS Microbiology Letters</i> , 2017, 364, . | 0.7 | 10 |
| 48 | Endonuclease Restriction-Mediated Real-Time Polymerase Chain Reaction: A Novel Technique for Rapid, Sensitive and Quantitative Detection of Nucleic-Acid Sequence. <i>Frontiers in Microbiology</i> , 2016, 7, 1104. | 1.5 | 9 |
| 49 | Effects of Maternal Marginal Iodine Deficiency on Dendritic Morphology in the Hippocampal CA1 Pyramidal Neurons in Rat Offspring. <i>NeuroMolecular Medicine</i> , 2016, 18, 203-215. | 1.8 | 7 |
| 50 | Detection of Nucleic Acids and Prevention of Carryover Contamination Using Cross-Priming Amplification Combined with Nanoparticles-Based Biosensor and Antarctic Thermal Sensitive Uracil-DNA-Glycosylase. <i>Journal of Biomedical Nanotechnology</i> , 2019, 15, 878-892. | 0.5 | 5 |
| 51 | Establishment and application of a multiple cross displacement amplification combined with nanoparticles-based biosensor method for the detection of <i>Bordetella pertussis</i> . <i>BMC Microbiology</i> , 2020, 20, 263. | 1.3 | 5 |
| 52 | Loop-Mediated Isothermal Amplification Coupled With Nanoparticle-Based Lateral Biosensor for Rapid, Sensitive, and Specific Detection of <i>Bordetella pertussis</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 797957. | 2.0 | 5 |
| 53 | Label-Free Cross-Priming Amplification Coupled With Endonuclease Restriction and Nanoparticles-Based Biosensor for Simultaneous Detection of Nucleic Acids and Prevention of Carryover Contamination. <i>Frontiers in Chemistry</i> , 2019, 7, 322. | 1.8 | 4 |
| 54 | A Novel Real-Time Reverse Transcription Loop-Mediated Isothermal Amplification Detection Platform: Application to Diagnosis of COVID-19. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 748746. | 2.0 | 4 |

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|----|--|-----|-----------|
| 55 | Rapid and sensitive detection of <i>Plesiomonas shigelloides</i> by cross-priming amplification of the <i>hugA</i> gene. <i>Molecular Medicine Reports</i> , 2016, 14, 5443-5450. | 1.1 | 3 |
| 56 | Simultaneous Nucleic Acids Detection and Elimination of Carryover Contamination With Nanoparticles-Based Biosensor- and Antarctic Thermal Sensitive Uracil-DNA-Glycosylase-Supplemented Polymerase Spiral Reaction. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 401. | 2.0 | 2 |
| 57 | Endonuclease restriction-mediated real-time PCR for simultaneous detection of <i>Listeria monocytogenes</i> and <i>Listeria ivanovii</i> . <i>Analytical Methods</i> , 2018, 10, 1339-1345. | 1.3 | 1 |