

Xueen Fang

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,981
citations

236612

25
h-index

253896

43
g-index

52
all docs

52
docs citations

52
times ranked

2671
citing authors

#	ARTICLE	IF	CITATIONS
1	Loop-Mediated Isothermal Amplification Integrated on Microfluidic Chips for Point-of-Care Quantitative Detection of Pathogens. <i>Analytical Chemistry</i> , 2010, 82, 3002-3006.	3.2	260
2	Microfluidic Immunoassays for Sensitive and Simultaneous Detection of IgG/IgM/Antigen of SARS-CoV-2 within 15 min. <i>Analytical Chemistry</i> , 2020, 92, 9454-9458.	3.2	167
3	Protein-inorganic hybrid nanoflowers as ultrasensitive electrochemical cytosensing Interfaces for evaluation of cell surface sialic acid. <i>Biosensors and Bioelectronics</i> , 2015, 68, 329-335.	5.3	93
4	Recent Progress in Detection and Profiling of Cancer Cell-Derived Exosomes. <i>Small</i> , 2021, 17, e2007971.	5.2	79
5	A real-time microfluidic multiplex electrochemical loop-mediated isothermal amplification chip for differentiating bacteria. <i>Biosensors and Bioelectronics</i> , 2014, 60, 84-91.	5.3	78
6	A Simple Paper-Based Colorimetric Device for Rapid Mercury(II) Assay. <i>Scientific Reports</i> , 2016, 6, 31948.	1.6	77
7	A portable and integrated nucleic acid amplification microfluidic chip for identifying bacteria. <i>Lab on A Chip</i> , 2012, 12, 1495.	3.1	76
8	Engineered Microneedles for Interstitial Fluid Cell-Free DNA Capture and Sensing Using Iontophoretic Dual-Extraction Wearable Patch. <i>Advanced Functional Materials</i> , 2020, 30, 2000591.	7.8	65
9	Bandage-like wearable flexible microfluidic recombinase polymerase amplification sensor for the rapid visual detection of nucleic acids. <i>Talanta</i> , 2019, 204, 685-692.	2.9	64
10	Paper-based microfluidics with high resolution, cut on a glass fiber membrane for bioassays. <i>Lab on A Chip</i> , 2014, 14, 911.	3.1	62
11	Equipment-free nucleic acid extraction and amplification on a simple paper disc for point-of-care diagnosis of rotavirus A. <i>Analytica Chimica Acta</i> , 2018, 1018, 78-85.	2.6	62
12	DNA-mediated inhibition of peroxidase-like activities on platinum nanoparticles for simple and rapid colorimetric detection of nucleic acids. <i>Biosensors and Bioelectronics</i> , 2017, 94, 169-175.	5.3	57
13	Colorimetric LAMP microfluidic chip for detecting three allergens: peanut, sesame and soybean. <i>Scientific Reports</i> , 2018, 8, 8682.	1.6	53
14	Programmable CRISPR-Cas9 microneedle patch for long-term capture and real-time monitoring of universal cell-free DNA. <i>Nature Communications</i> , 2022, 13, .	5.8	47
15	Microfluidic-RT-LAMP chip for the point-of-care detection of emerging and re-emerging enteric coronaviruses in swine. <i>Analytica Chimica Acta</i> , 2020, 1125, 57-65.	2.6	45
16	Double signal amplification strategy for ultrasensitive electrochemical biosensor based on nuclease and quantum dot-DNA nanocomposites in the detection of breast cancer 1 gene mutation. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111544.	5.3	44
17	In Situ Sampling and Monitoring Cell-Free DNA of the Epstein-Barr Virus from Dermal Interstitial Fluid Using Wearable Microneedle Patches. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38448-38458.	4.0	44
18	Paper-based fluorescence resonance energy transfer assay for directly detecting nucleic acids and proteins. <i>Biosensors and Bioelectronics</i> , 2016, 80, 79-83.	5.3	42

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19	Gold nanoparticle-mediated nucleic acid isothermal amplification with enhanced specificity. <i>Analytica Chimica Acta</i> , 2018, 1043, 150-157.	2.6	42
20	Efficient Microfluidic-Based Air Sampling/Monitoring Platform for Detection of Aerosol SARS-CoV-2 On-site. <i>Analytical Chemistry</i> , 2021, 93, 4270-4276.	3.2	38
21	Rapid Differential Diagnosis of Seven Human Respiratory Coronaviruses Based on Centrifugal Microfluidic Nucleic Acid Assay. <i>Analytical Chemistry</i> , 2020, 92, 14297-14302.	3.2	34
22	Washing-free centrifugal microchip fluorescence immunoassay for rapid and point-of-care detection of protein. <i>Analytica Chimica Acta</i> , 2020, 1118, 18-25.	2.6	34
23	Microfluidic-CFPA Chip for the Point-of-Care Detection of African Swine Fever Virus with a Median Time to Threshold in about 10 min. <i>ACS Sensors</i> , 2019, 4, 3066-3071.	4.0	31
24	Graphene Oxide-Based Suppression of Nonspecificity in Loop-Mediated Isothermal Amplification Enabling the Sensitive Detection of Cyclooxygenase-2 mRNA in Colorectal Cancer. <i>Analytical Chemistry</i> , 2019, 91, 15694-15702.	3.2	31
25	Wearable chem-biosensing devices: from basic research to commercial market. <i>Lab on A Chip</i> , 2021, 21, 4285-4310.	3.1	29
26	Rapid detection of CALR type 1 and type 2 mutations using PNA-LNA clamping loop-mediated isothermal amplification on a CD-like microfluidic chip. <i>Analytica Chimica Acta</i> , 2018, 1024, 123-135.	2.6	27
27	A hybridization chain reaction coupled with gold nanoparticles for allergen gene detection in peanut, soybean and sesame DNAs. <i>Analyst, The</i> , 2019, 144, 3886-3891.	1.7	27
28	Microfluidic Devices Constructed by a Marker Pen on a Silica Gel Plate for Multiplex Assays. <i>Analytical Chemistry</i> , 2011, 83, 3596-3599.	3.2	23
29	Loop-mediated isothermal amplification technique: principle, development and wide application in food safety. <i>Analytical Methods</i> , 2020, 12, 5551-5561.	1.3	22
30	Lab in a tube: Isolation, extraction, and isothermal amplification detection of exosomal long noncoding RNA of gastric cancer. <i>Talanta</i> , 2021, 225, 122090.	2.9	22
31	Ultrasensitive detection of mucin 1 biomarker by immuno-loop-mediated isothermal amplification. <i>Talanta</i> , 2017, 164, 588-592.	2.9	20
32	Integrated Microfluidic Sample-to-Answer System for Direct Nucleic Acid-Based Detection of Group B <i>Streptococci</i> in Clinical Vaginal/Anal Swab Samples. <i>ACS Sensors</i> , 2020, 5, 1132-1139.	4.0	19
33	A novel exonuclease-assisted isothermal nucleic acid amplification with ultrahigh specificity mediated by full-length <i>Bst</i> DNA polymerase. <i>Chemical Communications</i> , 2018, 54, 10562-10565.	2.2	15
34	Magnetic-bioluminescent-nanoliposomes for ultrasensitive and portable detection of protein biomarkers in blood. <i>Analytica Chimica Acta</i> , 2018, 1039, 98-107.	2.6	15
35	All-in-one microfluidic nucleic acid diagnosis system for multiplex detection of sexually transmitted pathogens directly from genitourinary secretions. <i>Talanta</i> , 2021, 221, 121462.	2.9	15
36	A graphene oxide-based paper chip integrated with the hybridization chain reaction for peanut and soybean allergen gene detection. <i>Talanta</i> , 2019, 196, 64-70.	2.9	14

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37	Sequence-Specific Probe-Mediated Isothermal Amplification for the Single-Copy Sensitive Detection of Nucleic Acid. <i>Analytical Chemistry</i> , 2019, 91, 6738-6745.	3.2	12
38	Rapid nucleic acid detection of Zaire ebolavirus on paper fluidics. <i>RSC Advances</i> , 2015, 5, 64614-64616.	1.7	11
39	Colorimetric DNA assay by exploiting the DNA-controlled peroxidase mimicking activity of mesoporous silica loaded with platinum nanoparticles. <i>Mikrochimica Acta</i> , 2018, 185, 544.	2.5	11
40	Real-time fluorescence loop-mediated isothermal amplification assay for rapid and sensitive detection of <i>Streptococcus gallolyticus</i> subsp. <i>gallolyticus</i> associated with colorectal cancer. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6877-6887.	1.9	10
41	Sandwich/competitive immuno-sensors on micro-interface for SARS-CoV-2 neutralizing antibodies. <i>Analytica Chimica Acta</i> , 2021, 1187, 339144.	2.6	9
42	Nano-biotinylated liposome-based immunoassay for the ultrasensitive detection of protein biomarker in urine. <i>Talanta</i> , 2018, 179, 472-477.	2.9	8
43	Rapid differential diagnosis of the B.1.617.2 (delta) variant of SARS-CoV-2 using an automated Cas12a microfluidic system. <i>Chemical Communications</i> , 2021, 57, 12270-12272.	2.2	8
44	Magnetic-Immuno-Loop-Mediated Isothermal Amplification Based on DNA Encapsulating Liposome for the Ultrasensitive Detection of P-glycoprotein. <i>Scientific Reports</i> , 2017, 7, 9312.	1.6	7
45	Dual-modality loop-mediated isothermal amplification for pretreatment-free detection of Septin9 methylated DNA in colorectal cancer. <i>Mikrochimica Acta</i> , 2021, 188, 307.	2.5	6
46	A high-specificity flap probe-based isothermal nucleic acid amplification method based on recombinant FEN1-Bst DNA polymerase. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113503.	5.3	6
47	Rapid and simultaneous analysis of twelve virulence factor genes by a microfluidic-CFPA chip for identifying diarrheagenic <i>Escherichia coli</i> . <i>Analyst</i> , 2020, 145, 3814-3821.	1.7	5
48	CRISPR-microfluidic array for single-copy DNA mini barcoding and rapid field species identification. <i>Sensors and Actuators B: Chemical</i> , 2022, 359, 131567.	4.0	5
49	DNA nanomachine-assisted magnetic bead based target recycling and isothermal amplification for sensitive fluorescence determination of interferon- β . <i>Mikrochimica Acta</i> , 2017, 184, 4869-4877.	2.5	4
50	Detection of Allergen Genes in Peanut and Soybean by Circular Fluorescence Probe-Mediated Isothermal Amplification. <i>Food Analytical Methods</i> , 2021, 14, 453-464.	1.3	3
51	A novel bio-microcircuit for bio-assays. <i>RSC Advances</i> , 2016, 6, 75875-75879.	1.7	0