

Rongxin Fu

List of Publications by Year in descending order

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21
papers

191
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1040056

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#	ARTICLE	IF	CITATIONS
1	Rapid, Highly Sensitive, and Label-Free Pathogen Assay System Using a Solid-Phase Self-Interference Recombinase Polymerase Amplification Chip and Hyperspectral Interferometry. <i>Analytical Chemistry</i> , 2022, 94, 2926-2933.	6.5	7
2	A nature-inspired hierarchical branching structure pressure sensor with high sensitivity and wide dynamic range for versatile medical wearables. <i>Biosensors and Bioelectronics</i> , 2022, 203, 114028.	10.1	10
3	Quantitative and specific detection of viable pathogens on a portable microfluidic chip system by combining improved propidium monoazide (PMAxx) and loop-mediated isothermal amplification (LAMP). <i>Analytical Methods</i> , 2021, 13, 3569-3576.	2.7	10
4	Single cell capture, isolation, and long-term in situ imaging using quantitative self-interference spectroscopy. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021, 99, 601-609.	1.5	8
5	Label-Free and Quantitative Dry Mass Monitoring for Single Cells during In Situ Culture. <i>Cells</i> , 2021, 10, 1635.	4.1	4
6	A non-invasive diabetes diagnosis method based on novel scleral imaging instrument and AI. , 2021, , .		2
7	Microfluidic Biosensor for Rapid Nucleic Acid Quantitation Based on Hyperspectral Interferometric Amplicon-Complex Analysis. <i>ACS Sensors</i> , 2021, 6, 4057-4066.	7.8	10
8	Quantitative and long-term cell imaging with computational hyperspectral interferometry. , 2021, , .		0
9	Deep Learning Algorithm for Automated Detection of Polycystic Ovary Syndrome Using Scleral Images. <i>Frontiers in Endocrinology</i> , 2021, 12, 789878.	3.5	16
10	Microfluidic Chip with Two-Stage Isothermal Amplification Method for Highly Sensitive Parallel Detection of SARS-CoV-2 and Measles Virus. <i>Micromachines</i> , 2021, 12, 1582.	2.9	16
11	Biomimetic Upconversion Nanoparticles and Gold Nanoparticles for Novel Simultaneous Dual-Modal Imaging-Guided Photothermal Therapy of Cancer. <i>Cancers</i> , 2020, 12, 3136.	3.7	29
12	Fast and Parallel Detection of Four Ebola Virus Species on a Microfluidic-Chip-Based Portable Reverse Transcription Loop-Mediated Isothermal Amplification System. <i>Micromachines</i> , 2019, 10, 777.	2.9	18
13	Label-free tomography of living cellular nanoarchitecture using hyperspectral self-interference microscopy. <i>Biomedical Optics Express</i> , 2019, 10, 2757.	2.9	8
14	An interferometric imaging biosensor using weighted spectrum analysis to confirm DNA monolayer films with attogram sensitivity. <i>Talanta</i> , 2018, 181, 224-231.	5.5	10
15	Original askiatic imaging used in Chinese medicine eye-feature diagnosis of visceral diseases. <i>Journal of Innovative Optical Health Sciences</i> , 2018, 11, .	1.0	5
16	Label-Free Method Using a Weighted-Phase Algorithm To Quantitate Nanoscale Interactions between Molecules on DNA Microarrays. <i>Analytical Chemistry</i> , 2017, 89, 3501-3507.	6.5	10
17	Label-free and high-sensitive detection for genetic point mutation based on hyperspectral interferometry. , 2016, , .		0
18	A smart device for label-free and real-time detection of gene point mutations based on the high dark phase contrast of vapor condensation. <i>Lab on A Chip</i> , 2015, 15, 3891-3896.	6.0	16

#	ARTICLE	IF	CITATIONS
19	Label-free molecular imaging. Proceedings of SPIE, 2014, , .	0.8	1
20	Rapid, on-site detection of residual explosives based on a lab-in-a-capillary and UV fiber sensor. Analytical Methods, 2014, 6, 9628-9633.	2.7	3
21	fM to aM nucleic acid amplification for molecular diagnostics in a non-stick-coated metal microfluidic bioreactor. Scientific Reports, 2014, 4, 7344.	3.3	8