

Peng Liu

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

661
citations

623574

14
h-index

677027

22
g-index

24
all docs

24
docs citations

24
times ranked

911
citing authors

#	ARTICLE	IF	CITATIONS
1	Grouped-seq for integrated phenotypic and transcriptomic screening of patient-derived tumor organoids. <i>Nucleic Acids Research</i> , 2022, 50, e28-e28.	6.5	8
2	A portable sperm cell purification instrument based on continuous flow acoustophoretic separation of sperm cells for on-site forensic sample pretreatment. <i>Lab on A Chip</i> , 2021, 21, 933-941.	3.1	4
3	Anionic Polysaccharide-Modified Filter Papers for Rapid Isolation of Extracellular Vesicles from Diverse Samples in a Simple Bind-Wash-Elute Manner. <i>Analytical Chemistry</i> , 2021, 93, 7405-7412.	3.2	7
4	Lung cancer organoids analyzed on microwell arrays predict drug responses of patients within a week. <i>Nature Communications</i> , 2021, 12, 2581.	5.8	103
5	A High-Throughput, Multi-Index Isothermal Amplification Platform for Rapid Detection of 19 Types of Common Respiratory Viruses Including SARS-CoV-2. <i>Engineering</i> , 2020, 6, 1130-1140.	3.2	46
6	Multiplex and visual detection of African Swine Fever Virus (ASFV) based on Hive-Chip and direct loop-mediated isothermal amplification. <i>Analytica Chimica Acta</i> , 2020, 1140, 30-40.	2.6	23
7	A scalable microfluidic chamber array for sample-loss-free and bubble-proof sample compartmentalization by simple pipetting. <i>Lab on A Chip</i> , 2020, 20, 2981-2989.	3.1	11
8	Sample-to-Answer-Detection of Rare ctDNA Mutation from 2 mL Plasma with a Fully Integrated DNA Extraction and Digital Droplet PCR Microdevice for Liquid Biopsy. <i>Analytical Chemistry</i> , 2020, 92, 7240-7248.	3.2	37
9	High-Throughput Platform for Efficient Chemical Transfection, Virus Packaging, and Transduction. <i>Micromachines</i> , 2019, 10, 387.	1.4	5
10	Modular-Based Integrated Microsystem with Multiple Sample Preparation Modules for Automated Forensic DNA Typing from Reference to Challenging Samples. <i>Analytical Chemistry</i> , 2019, 91, 7435-7443.	3.2	8
11	A Fully Integrated In Vitro Diagnostic Microsystem for Pathogen Detection Developed Using a 3D Extensible-Microfluidic Design Paradigm. <i>Micromachines</i> , 2019, 10, 873.	1.4	8
12	A smartphone-assisted microfluidic chemistry analyzer using image-based colorimetric assays for multi-index monitoring of diabetes and hyperlipidemia. <i>Analytica Chimica Acta</i> , 2019, 1052, 105-112.	2.6	25
13	Nanoliter Centrifugal Liquid Dispenser Coupled with Superhydrophobic Microwell Array Chips for High-Throughput Cell Assays. <i>Micromachines</i> , 2018, 9, 286.	1.4	9
14	Multiplex sample-to-answer detection of bacteria using a pipette-actuated capillary array comb with integrated DNA extraction, isothermal amplification, and smartphone detection. <i>Lab on A Chip</i> , 2018, 18, 2854-2864.	3.1	37
15	Microfluidic fluorescence-activated cell sorting (FACS) chip with integrated piezoelectric actuators for low-cost mammalian cell enrichment. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	1.0	30
16	Chitosan-Modified Filter Paper for Nucleic Acid Extraction and in Situ PCR on a Thermoplastic Microchip. <i>Analytical Chemistry</i> , 2017, 89, 3568-3575.	3.2	67
17	A fully integrated microchip system for automated forensic short tandem repeat analysis. <i>Analyst</i> , 2017, 142, 2004-2012.	1.7	17
18	Enclosed casting of epoxy resin for rapid fabrication of rigid microfluidic chips. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 785-793.	4.0	15

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19	Integrated Graphene Oxide Purification-Lateral Flow Test Strips (iGOP-LFTS) for Direct Detection of PCR Products with Enhanced Sensitivity and Specificity. Analytical Chemistry, 2017, 89, 12137-12144.	3.2	24
20	High-throughput superhydrophobic microwell arrays for investigating multifactorial stem cell niches. Lab on A Chip, 2016, 16, 2996-3006.	3.1	36
21	A fully integrated and automated microsystem for rapid pharmacogenetic typing of multiple warfarin-related single-nucleotide polymorphisms. Lab on A Chip, 2016, 16, 86-95.	3.1	32
22	A filter paper-based microdevice for low-cost, rapid, and automated DNA extraction and amplification from diverse sample types. Lab on A Chip, 2014, 14, 3719-3728.	3.1	109