

Jiatao Lou

List of Publications by Year in descending order

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39
papers

1,478
citations

331670

21
h-index

345221

36
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39
all docs

39
docs citations

39
times ranked

2357
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated microfluidic single-cell immunoblotting chip enables high-throughput isolation, enrichment and direct protein analysis of circulating tumor cells. <i>Microsystems and Nanoengineering</i> , 2022, 8, 13.	7.0	23
2	Simplified ARCHITECT microfluidic chip through a dual-flip strategy enables stable and versatile tumoroid formation combined with label-free quantitative proteomic analysis. <i>Biofabrication</i> , 2021, 13, 035024.	7.1	1
3	Performance comparison of commercial kits for isolating and detecting circulating tumor DNA. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2021, 81, 276-281.	1.2	8
4	A large-scale, multicentered trial evaluating the sensitivity and specificity of digital PCR versus ARMS-PCR for detecting ctDNA-based EGFR p.T790M in non-small-cell lung cancer patients. <i>Translational Lung Cancer Research</i> , 2021, 10, 3888-3901.	2.8	7
5	CLAMP-seq: A Novel Amplicon-Based NGS Assay with Concatemer Error Correction for Improved Detection of Actionable Mutations in Plasma cfDNA from Patients with NSCLC. <i>Small Methods</i> , 2020, 4, 1900357.	8.6	9
6	Machine learning of serum metabolic patterns encodes early-stage lung adenocarcinoma. <i>Nature Communications</i> , 2020, 11, 3556.	12.8	151
7	Label-free Separation of Circulating Tumor Cells Using a Self-Amplified Inertial Focusing (SAIF) Microfluidic Chip. <i>Analytical Chemistry</i> , 2020, 92, 16170-16179.	6.5	25
8	High Expression of Long Noncoding RNA PCNA-AS1 Promotes Non-Small-Cell Lung Cancer Cell Proliferation and Oncogenic Activity via Upregulating CCND1. <i>Journal of Cancer</i> , 2020, 11, 1959-1967.	2.5	10
9	Diagnosis and prognosis of myocardial infarction on a plasmonic chip. <i>Nature Communications</i> , 2020, 11, 1654.	12.8	83
10	Nanotechnology Strategies for the Analysis of Circulating Tumor DNA: A Review. <i>Medical Science Monitor</i> , 2020, 26, e921040.	1.1	11
11	Diagnosis and prognosis for exercise-induced muscle injuries: from conventional imaging to emerging point-of-care testing. <i>RSC Advances</i> , 2020, 10, 38847-38860.	3.6	1
12	Absolute quantification and analysis of extracellular vesicle lncRNAs from the peripheral blood of patients with lung cancer based on multi-colour fluorescence chip-based digital PCR. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111523.	10.1	61
13	Value of folate receptor-positive circulating tumour cells in the clinical management of indeterminate lung nodules: A non-invasive biomarker for predicting malignancy and tumour invasiveness. <i>EBioMedicine</i> , 2019, 41, 236-243.	6.1	38
14	Metabolic Fingerprinting on a Plasmonic Gold Chip for Mass Spectrometry Based <i>in Vitro</i> Diagnostics. <i>ACS Central Science</i> , 2018, 4, 223-229.	11.3	106
15	Differential N-glycan patterns identified in lung adenocarcinoma by N-glycan profiling of formalin-fixed paraffin-embedded (FFPE) tissue sections. <i>Journal of Proteomics</i> , 2018, 172, 1-10.	2.4	22
16	Extraction, detection, and profiling of serum biomarkers using designed Fe ₃ O ₄ @SiO ₂ @HA core-shell particles. <i>Nano Research</i> , 2018, 11, 68-79.	10.4	65
17	Nanoparticles as Co-matrix for Sensitive Detection of Nucleic Acids by Mass Spectrometry. , 2018, , .		0
18	Heterogeneous mutation pattern in tumor tissue and circulating tumor DNA warrants parallel NGS panel testing. <i>Molecular Cancer</i> , 2018, 17, 131.	19.2	46

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19	Quality Control of Next-generation Sequencing-based <i>In vitro</i> Diagnostic Test for Onco-relevant Mutations Using Multiplex Reference Materials in Plasma. <i>Journal of Cancer</i> , 2018, 9, 1680-1688.	2.5	7
20	Quantification of plasma EGFR mutations in patients with lung cancers: Comparison of the performance of ARMS-Plus and droplet digital PCR. <i>Lung Cancer</i> , 2017, 114, 31-37.	2.0	22
21	Biomarkers for Hepatocellular Carcinoma. <i>Biomarkers in Cancer</i> , 2017, 9, 1179299X1668464.	3.6	115
22	DNA Methylation Analysis of the SHOX2 and RASSF1A Panel in Bronchoalveolar Lavage Fluid for Lung Cancer Diagnosis. <i>Journal of Cancer</i> , 2017, 8, 3585-3591.	2.5	78
23	IQGAP1 Mediates Hcp1-Promoted Escherichia coli Meningitis by Stimulating the MAPK Pathway. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 132.	3.9	6
24	Identification of A Panel of Serum microRNAs as Biomarkers for Early Detection of Lung Adenocarcinoma. <i>Journal of Cancer</i> , 2017, 8, 48-56.	2.5	41
25	Clinical Significance of Folate Receptor-positive Circulating Tumor Cells Detected by Ligand-targeted Polymerase Chain Reaction in Lung Cancer. <i>Journal of Cancer</i> , 2017, 8, 104-110.	2.5	51
26	A novel PHD-finger protein 14/KIF4A complex overexpressed in lung cancer is involved in cell mitosis regulation and tumorigenesis. <i>Oncotarget</i> , 2017, 8, 19684-19698.	1.8	28
27	Detecting ultra low-frequency variants and gene fusions in lung cancer patients using an amplicon-based Firefly NGS method.. <i>Journal of Clinical Oncology</i> , 2017, 35, e23062-e23062.	1.6	0
28	Synthetic Alloys: Multifunctional Magnetic Particles for Combined Circulating Tumor Cells Isolation and Cellular Metabolism Detection (Adv. Funct. Mater. 22/2016). <i>Advanced Functional Materials</i> , 2016, 26, 3750-3750.	14.9	3
29	High Performance, Multiplexed Lung Cancer Biomarker Detection on a Plasmonic Gold Chip. <i>Advanced Functional Materials</i> , 2016, 26, 7994-8002.	14.9	84
30	Diagnostics: High Performance, Multiplexed Lung Cancer Biomarker Detection on a Plasmonic Gold Chip (Adv. Funct. Mater. 44/2016). <i>Advanced Functional Materials</i> , 2016, 26, 7993-7993.	14.9	5
31	Multifunctional Magnetic Particles for Combined Circulating Tumor Cells Isolation and Cellular Metabolism Detection. <i>Advanced Functional Materials</i> , 2016, 26, 4016-4025.	14.9	99
32	Identification and distinction of non-small-cell lung cancer cells by intracellular SERS nanoprobes. <i>RSC Advances</i> , 2016, 6, 5401-5407.	3.6	26
33	A Homogeneous Immunoassay Method for Detecting Interferon-Gamma in Patients with Latent Tuberculosis Infection. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 588-595.	2.1	5
34	The largest sample size (2,200 cases) pooled analysis of LT-PCR achieving quantitative determination of folate receptor-positive CTCs for lung cancer in China.. <i>Journal of Clinical Oncology</i> , 2016, 34, e23072-e23072.	1.6	0
35	MiR-181a-5p inhibits cell proliferation and migration by targeting Kras in non-small cell lung cancer A549 cells. <i>Acta Biochimica Et Biophysica Sinica</i> , 2015, 47, 630-638.	2.0	69
36	Plasma Levels of Heat Shock Protein 90 Alpha Associated with Lung Cancer Development and Treatment Responses. <i>Clinical Cancer Research</i> , 2014, 20, 6016-6022.	7.0	80

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37	Antigen detection based on background fluorescence quenching immunochromatographic assay. <i>Analytica Chimica Acta</i> , 2014, 841, 44-50.	5.4	26
38	Quantification of Rare Circulating Tumor Cells in Non-Small Cell Lung Cancer by Ligand-Targeted PCR. <i>PLoS ONE</i> , 2013, 8, e80458.	2.5	64
39	Transcriptome-wide network analysis of squamous lung cancer reveals potential methylation genes. <i>Asian Pacific Journal of Cancer Prevention</i> , 2011, 12, 2349-52.	1.2	2