

Qihui Shi

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,652
citations

430874

18
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

2374
citing authors

#	ARTICLE	IF	CITATIONS
1	A clinical microchip for evaluation of single immune cells reveals high functional heterogeneity in phenotypically similar T cells. <i>Nature Medicine</i> , 2011, 17, 738-743.	30.7	403
2	Single-cell proteomic chip for profiling intracellular signaling pathways in single tumor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 419-424.	7.1	300
3	An Integrated Microfluidic Chip System for Single-Cell Secretion Profiling of Rare Circulating Tumor Cells. <i>Scientific Reports</i> , 2014, 4, 7499.	3.3	97
4	Quantitating Cell-Cell Interaction Functions with Applications to Glioblastoma Multiforme Cancer Cells. <i>Nano Letters</i> , 2012, 12, 6101-6106.	9.1	78
5	Single cell proteomics in biomedicine: High-dimensional data acquisition, visualization, and analysis. <i>Proteomics</i> , 2017, 17, 1600267.	2.2	75
6	Genetic Fate Mapping of Transient Cell Fate Reveals N-Cadherin Activity and Function in Tumor Metastasis. <i>Developmental Cell</i> , 2020, 54, 593-607.e5.	7.0	70
7	High-throughput screening of rare metabolically active tumor cells in pleural effusion and peripheral blood of lung cancer patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2544-2549.	7.1	67
8	Hypoxia induces a phase transition within a kinase signaling network in cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1352-60.	7.1	61
9	Microchip-based single-cell functional proteomics for biomedical applications. <i>Lab on A Chip</i> , 2017, 17, 1250-1263.	6.0	54
10	Single-Cell Codetection of Metabolic Activity, Intracellular Functional Proteins, and Genetic Mutations from Rare Circulating Tumor Cells. <i>Analytical Chemistry</i> , 2015, 87, 9761-9768.	6.5	53
11	Single-Cell, Multiplexed Protein Detection of Rare Tumor Cells Based on a Beads-on-Barcode Antibody Microarray. <i>Analytical Chemistry</i> , 2016, 88, 11077-11083.	6.5	49
12	Establishment and characterization of a patient-derived circulating lung tumor cell line in vitro and in vivo. <i>Cancer Cell International</i> , 2019, 19, 21.	4.1	49
13	Chemistries for Patterning Robust DNA MicroBarcodes Enable Multiplex Assays of Cytoplasm Proteins from Single Cancer Cells. <i>ChemPhysChem</i> , 2010, 11, 3063-3069.	2.1	47
14	Liquid biopsy-based single-cell metabolic phenotyping of lung cancer patients for informative diagnostics. <i>Nature Communications</i> , 2019, 10, 3856.	12.8	37
15	Hexokinase 2 discerns a novel circulating tumor cell population associated with poor prognosis in lung cancer patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	36
16	Ex vivo expansion of circulating lung tumor cells based on one-step microfluidics-based immunomagnetic isolation. <i>Analyst, The</i> , 2016, 141, 3621-3625.	3.5	34
17	Single-Cell Proteomics for Cancer Immunotherapy. <i>Advances in Cancer Research</i> , 2018, 139, 185-207.	5.0	21
18	Metabolic regulation of prostate cancer heterogeneity and plasticity. <i>Seminars in Cancer Biology</i> , 2022, 82, 94-119.	9.6	20

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19	Single-Cell Sequencing-Enabled Hexokinase 2 Assay for Noninvasive Bladder Cancer Diagnosis and Screening by Detecting Rare Malignant Cells in Urine. <i>Analytical Chemistry</i> , 2020, 92, 16284-16292.	6.5	17
20	Liquid Biopsy Based Single-Cell Transcriptome Profiling Characterizes Heterogeneity of Disseminated Tumor Cells from Lung Adenocarcinoma. <i>Proteomics</i> , 2020, 20, e1900224.	2.2	16
21	Dysregulated lncRNA-miRNA-mRNA Network Reveals Patient Survival-Associated Modules and RNA Binding Proteins in Invasive Breast Carcinoma. <i>Frontiers in Genetics</i> , 2019, 10, 1284.	2.3	16
22	A microfluidic chip with double-sided herringbone microstructures for enhanced capture of rare tumor cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9114-9120.	5.8	15
23	Surface Immobilization of Redox-Labile Fluorescent Probes: Enabling Single-Cell Co-Profiling of Aerobic Glycolysis and Oncogenic Protein Signaling Activities. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11554-11558.	13.8	13
24	Highly multiplexed profiling of cell surface proteins on single circulating tumor cells based on antibody and cellular barcoding. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5373-5382.	3.7	12
25	A Multicancer Malignant Pleural Effusion Diagnostic Test Using Hexokinase 2 and Single-Cell Sequencing. <i>Clinical Chemistry</i> , 2022, 68, 680-690.	3.2	8
26	Single-Cell Genomics-Based Molecular Algorithm for Early Cancer Detection. <i>Analytical Chemistry</i> , 2022, 94, 2607-2614.	6.5	4