

Rong Fan

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

6,520
citations

101543

36
h-index

95266

68
g-index

93
all docs

93
docs citations

93
times ranked

10663
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcriptomic taxonomy and neurogenic trajectories of adult human, macaque, and pig hippocampal and entorhinal cells. <i>Neuron</i> , 2022, 110, 452-469.e14.	8.1	142
2	Spatial-CUT&Tag: Spatially resolved chromatin modification profiling at the cellular level. <i>Science</i> , 2022, 375, 681-686.	12.6	138
3	ZNF117 regulates glioblastoma stem cell differentiation towards oligodendroglial lineage. <i>Nature Communications</i> , 2022, 13, 2196.	12.8	9
4	Mission, Organization, and Future Direction of the Serological Sciences Network for COVID-19 (SeroNet) Epidemiologic Cohort Studies. <i>Open Forum Infectious Diseases</i> , 2022, 9, .	0.9	5
5	Single-Cell Transcriptomics Revealed Subtype-Specific Tumor Immune Microenvironments in Human Glioblastomas. <i>Frontiers in Immunology</i> , 2022, 13, .	4.8	14
6	Unmixing for ultra-high-plex fluorescence imaging. <i>Nature Communications</i> , 2022, 13, .	12.8	5
7	Single-cell antigen-specific landscape of CAR T infusion product identifies determinants of CD19-positive relapse in patients with ALL. <i>Science Advances</i> , 2022, 8, .	10.3	63
8	Single-cell Analysis Technologies for Immuno-oncology Research: from Mechanistic Delineation to Biomarker Discovery. <i>Genomics, Proteomics and Bioinformatics</i> , 2021, 19, 191-207.	6.9	5
9	Single-cell multiomics dissection of basal and antigen-specific activation states of CD19-targeted CAR T cells. , 2021, 9, e002328.		31
10	Spatial multi-omics sequencing for fixed tissue via DBiT-seq. <i>STAR Protocols</i> , 2021, 2, 100532.	1.2	20
11	Advanced Single-cell Omics Technologies and Informatics Tools for Genomics, Proteomics, and Bioinformatics Analysis. <i>Genomics, Proteomics and Bioinformatics</i> , 2021, 19, 343-345.	6.9	8
12	Cancer Systems Biology in the Era of Singleâ€Cell Multiâ€Omics. <i>Proteomics</i> , 2020, 20, 1900106.	2.2	1
13	High-Spatial-Resolution Multi-Omics Sequencing via Deterministic Barcoding in Tissue. <i>Cell</i> , 2020, 183, 1665-1681.e18.	28.9	423
14	Single symbiotic cell transcriptome sequencing of coral. <i>Genomics</i> , 2020, 112, 5305-5312.	2.9	5
15	m6A Modification Prevents Formation of Endogenous Double-Stranded RNAs and Deleterious Innate Immune Responses during Hematopoietic Development. <i>Immunity</i> , 2020, 52, 1007-1021.e8.	14.3	99
16	An Integrated Dielectrophoresis-Trapping and Nanowell Transfer Approach to Enable Double-Sub-Poisson Single-Cell RNA Sequencing. <i>ACS Nano</i> , 2020, 14, 7412-7424.	14.6	25
17	IL-7 receptor alpha defines heterogeneity and signature of human effector memory CD8+ T cells in high dimensional analysis. <i>Cellular Immunology</i> , 2020, 355, 104155.	3.0	7
18	Increased Interleukin-8 (IL8)-CXCR2 Signaling Promotes Progression of Bone Marrow Fibrosis in Myeloproliferative Neoplasms. <i>Blood</i> , 2020, 136, 6-7.	1.4	3

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19	Single-Cell Cytokine Analysis to Characterize CAR-T Cell Activation. <i>Methods in Molecular Biology</i> , 2020, 2097, 67-81.	0.9	0
20	Special Issue on Single-Cell Multiomics for Immuno-Oncology and Cancer Systems Biology. <i>Proteomics</i> , 2019, 19, e1900235.	2.2	0
21	Subclonal cooperation drives metastasis by modulating local and systemic immune microenvironments. <i>Nature Cell Biology</i> , 2019, 21, 879-888.	10.3	114
22	Single-cell microRNA-mRNA co-sequencing reveals non-genetic heterogeneity and mechanisms of microRNA regulation. <i>Nature Communications</i> , 2019, 10, 95.	12.8	123
23	Perturbed myoepithelial cell differentiation in BRCA mutation carriers and in ductal carcinoma in situ. <i>Nature Communications</i> , 2019, 10, 4182.	12.8	37
24	Single-cell Analysis of CAR-T Cell Activation Reveals A Mixed TH1/TH2 Response Independent of Differentiation. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 129-139.	6.9	77
25	Senescent Cells with Augmented Cytokine Production for Microvascular Bioengineering and Tissue Repairs. <i>Advanced Biology</i> , 2019, 3, 1900089.	3.0	12
26	Organ-on-a-Chip: Ex vivo Dynamics of Human Glioblastoma Cells in a Microvasculature-on-a-Chip System Correlates with Tumor Heterogeneity and Subtypes (Adv. Sci. 8/2019). <i>Advanced Science</i> , 2019, 6, 1970046.	11.2	0
27	Single-Cell Cytokine Assays: Multiplexed, Sequential Secretion Analysis of the Same Single Cells Reveals Distinct Effector Response Dynamics Dependent on the Initial Basal State (Adv. Sci. 9/2019). <i>Advanced Science</i> , 2019, 6, 1970055.	11.2	0
28	Single-Cell Omics Analyses Enabled by Microchip Technologies. <i>Annual Review of Biomedical Engineering</i> , 2019, 21, 365-393.	12.3	49
29	Ex vivo Dynamics of Human Glioblastoma Cells in a Microvasculature-on-a-Chip System Correlates with Tumor Heterogeneity and Subtypes. <i>Advanced Science</i> , 2019, 6, 1801531.	11.2	69
30	Convergent Identification and Interrogation of Tumor-Intrinsic Factors that Modulate Cancer Immunity In Vivo. <i>Cell Systems</i> , 2019, 8, 136-151.e7.	6.2	14
31	Multiplexed PCR-Free Detection of MicroRNAs in Single Cancer Cells Using a DNA-Barcoded Microtrough Array Chip. <i>Micromachines</i> , 2019, 10, 215.	2.9	3
32	Multiplexed, Sequential Secretion Analysis of the Same Single Cells Reveals Distinct Effector Response Dynamics Dependent on the Initial Basal State. <i>Advanced Science</i> , 2019, 6, 1801361.	11.2	26
33	Single-Cell Protein Secretion Detection and Profiling. <i>Annual Review of Analytical Chemistry</i> , 2019, 12, 431-449.	5.4	46
34	Leukocyte Cytoskeleton Polarization Is Initiated by Plasma Membrane Curvature from Cell Attachment. <i>Developmental Cell</i> , 2019, 49, 206-219.e7.	7.0	27
35	scFTD-seq: freeze-thaw lysis based, portable approach toward highly distributed single-cell 3 ^{â€²} mRNA profiling. <i>Nucleic Acids Research</i> , 2019, 47, e16-e16.	14.5	117
36	Preinfusion polyfunctional anti-CD19 chimeric antigen receptor T cells are associated with clinical outcomes in NHL. <i>Blood</i> , 2018, 132, 804-814.	1.4	246

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37	A promising biodegradable magnesium alloy suitable for clinical vascular stent application. Scientific Reports, 2017, 7, 46343.	3.3	114
38	Synergistic IL-6 and IL-8 paracrine signalling pathway infers a strategy to inhibit tumour cell migration. Nature Communications, 2017, 8, 15584.	12.8	133
39	Bisulfite-independent analysis of CpG island methylation enables genome-scale stratification of single cells. Nucleic Acids Research, 2017, 45, gkx026.	14.5	31
40	Capture, amplification, and global profiling of microRNAs from low quantities of whole cell lysate. Analyst, The, 2017, 142, 3203-3211.	3.5	4
41	Biophysical and biomolecular determination of cellular age in humans. Nature Biomedical Engineering, 2017, 1, .	22.5	74
42	Immune Escape in Breast Cancer During <i>In Situ</i> to Invasive Carcinoma Transition. Cancer Discovery, 2017, 7, 1098-1115.	9.4	185
43	Single-cell multiplexed cytokine profiling of CD19 CAR-T cells reveals a diverse landscape of polyfunctional antigen-specific response. , 2017, 5, 85.		102
44	High-Throughput Secretomic Analysis of Single Cells to Assess Functional Cellular Heterogeneity. , 2016, , 41-54.		1
45	Single-Cell Cytokine Profiling to Investigate Cellular Functional Diversity in Hematopoietic Malignancies. Methods in Molecular Biology, 2016, 1465, 243-254.	0.9	3
46	Pan-Cancer Analyses Reveal Long Intergenic Non-Coding RNAs Relevant to Tumor Diagnosis, Subtyping and Prognosis. EBioMedicine, 2016, 7, 62-72.	6.1	33
47	Interfacing Inorganic Nanowire Arrays and Living Cells for Cellular Function Analysis. Small, 2015, 11, 5600-5610.	10.0	50
48	Enhanced Bioactivity of Mg-Nd-Zn-Zr Alloy Achieved with Nanoscale Mg ₂ Surface for Vascular Stent Application. ACS Applied Materials & Interfaces, 2015, 7, 5320-5330.	8.0	106
49	JAK-STAT Pathway Activation in Malignant and Nonmalignant Cells Contributes to MPN Pathogenesis and Therapeutic Response. Cancer Discovery, 2015, 5, 316-331.	9.4	252
50	Highly multiplexed profiling of single-cell effector functions reveals deep functional heterogeneity in response to pathogenic ligands. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E607-15.	7.1	245
51	Analysis of single-cell cytokine secretion reveals a role for paracrine signaling in coordinating macrophage responses to TLR4 stimulation. Science Signaling, 2015, 8, ra59.	3.6	126
52	Th17 cells transdifferentiate into regulatory T cells during resolution of inflammation. Nature, 2015, 523, 221-225.	27.8	653
53	Cancer Immunotherapy and Next-Generation Clinical Immune Assessment. Frontiers in Oncology, 2014, 4, 265.	2.8	3
54	Single-Crystalline, Nanoporous Gallium Nitride Films With Fine Tuning of Pore Size for Stem Cell Engineering. Journal of Nanotechnology in Engineering and Medicine, 2014, 5, 0410041-410049.	0.8	4

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55	Specific rare cell capture using micro-patterned silicon nanowire platform. <i>Biosensors and Bioelectronics</i> , 2014, 54, 181-188.	10.1	36
56	Nonstochastic Reprogramming from a Privileged Somatic Cell State. <i>Cell</i> , 2014, 156, 649-662.	28.9	168
57	Nanowire array chips for molecular typing of rare trafficking leukocytes with application to neurodegenerative pathology. <i>Nanoscale</i> , 2014, 6, 6537-6550.	5.6	13
58	A microchip platform for interrogating tumorâ€™macrophage paracrine signaling at the single-cell level. <i>Lab on A Chip</i> , 2014, 14, 3582-3588.	6.0	47
59	Filopodial Morphology Correlates to the Capture Efficiency of Primary T-Cells on Nanohole Arrays. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 1030-1040.	1.1	9
60	Co-detection and sequencing of genes and transcripts from the same single cells facilitated by a microfluidics platform. <i>Scientific Reports</i> , 2014, 4, 6485.	3.3	65
61	Nanophasic biodegradation enhances the durability and biocompatibility of magnesium alloys for the next-generation vascular stents. <i>Nanoscale</i> , 2013, 5, 9517.	5.6	91
62	Microchip platforms for multiplex single-cell functional proteomics with applications to immunology and cancer research. <i>Genome Medicine</i> , 2013, 5, 75.	8.2	46
63	High-Throughput Secretomic Analysis of Single Cells to Assess Functional Cellular Heterogeneity. <i>Analytical Chemistry</i> , 2013, 85, 2548-2556.	6.5	156
64	Single Cell Functional Proteomics for Assessing Immune Response in Cancer Therapy: Technology, Methods, and Applications. <i>Frontiers in Oncology</i> , 2013, 3, 133.	2.8	33
65	Immuno-DNA-directed Assembly of Heterotypic Multicellular Systems. <i>Chemistry Letters</i> , 2013, 42, 512-514.	1.3	0
66	In silico Experimentation of Glioma Microenvironment Development and Anti-tumor Therapy. <i>PLoS Computational Biology</i> , 2012, 8, e1002355.	3.2	26
67	Fabrication and characterization of field effect reconfigurable nanofluidic ionic diodes: Towards digitally-programmed manipulation of biomolecules. , 2012, , .		0
68	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
69	High-content single-cell analysis on-chip using a laser microarray scanner. <i>Lab on A Chip</i> , 2012, 12, 5025.	6.0	20
70	A quartz nanopillar hemocytometer for high-yield separation and counting of CD4+ T lymphocytes. <i>Nanoscale</i> , 2012, 4, 2500.	5.6	31
71	Nanowire Substrate-Based Laser Scanning Cytometry for Quantitation of Circulating Tumor Cells. <i>Nano Letters</i> , 2012, 12, 2697-2704.	9.1	123
72	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

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73	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
74	Integrated barcode chips for rapid, multiplexed analysis of proteins in microliter quantities of blood. <i>Nature Biotechnology</i> , 2008, 26, 1373-1378.	17.5	507
75	Functional Bimorph Composite Nanotapes. <i>Nano Letters</i> , 2002, 2, 1109-1112.	9.1	96
76	INORGANIC SEMICONDUCTOR NANOWIRES. <i>International Journal of Nanoscience</i> , 2002, 01, 1-39.	0.7	155