

Mass Cytometry: Single Cells, Many Features

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Citation Report

#	ARTICLE	IF	CITATIONS
1	High standards for high dimensional investigations. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016, 89, 886-888.	1.1	3
2	The Spectrum and Regulatory Landscape of Intestinal Innate Lymphoid Cells Are Shaped by the Microbiome. <i>Cell</i> , 2016, 166, 1231-1246.e13.	13.5	465
3	Signal Transduction at the Single-Cell Level: Approaches to Study the Dynamic Nature of Signaling Networks. <i>Journal of Molecular Biology</i> , 2016, 428, 3669-3682.	2.0	32
4	Promoting immunology: The future is here. <i>Science Immunology</i> , 2016, 1, aag2713.	5.6	3
5	Imaging Mass Cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 160-169.	1.1	206
6	The Heterocellular Emergence of Colorectal Cancer. <i>Trends in Cancer</i> , 2017, 3, 79-88.	3.8	26
7	Automation of sample preparation for mass cytometry barcoding in support of clinical research: protocol optimization. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2363-2372.	1.9	16
8	Single-Cell Multiomics: Multiple Measurements from Single Cells. <i>Trends in Genetics</i> , 2017, 33, 155-168.	2.9	392
9	Studying hematopoiesis using single-cell technologies. <i>Journal of Hematology and Oncology</i> , 2017, 10, 27.	6.9	39
10	Single cell proteomics in biomedicine: High-dimensional data acquisition, visualization, and analysis. <i>Proteomics</i> , 2017, 17, 1600267.	1.3	75
11	Relocation sensors to quantify signaling dynamics in live single cells. <i>Current Opinion in Biotechnology</i> , 2017, 45, 51-58.	3.3	4
12	Biologically Relevant Heterogeneity: Metrics and Practical Insights. <i>SLAS Discovery</i> , 2017, 22, 213-237.	1.4	65
13	Genomics of Acute Myeloid Leukemia Diagnosis and Pathways. <i>Journal of Clinical Oncology</i> , 2017, 35, 934-946.	0.8	372
14	Microfluidics cell sample preparation for analysis: Advances in efficient cell enrichment and precise single cell capture. <i>Biomicrofluidics</i> , 2017, 11, 011501.	1.2	54
15	A Perspective on the Role of Computational Models in Immunology. <i>Annual Review of Immunology</i> , 2017, 35, 403-439.	9.5	40
16	Microchip-based single-cell functional proteomics for biomedical applications. <i>Lab on A Chip</i> , 2017, 17, 1250-1263.	3.1	54
17	Personalized Pathway-Activated Systems Imaging in Oncology. , 2017, , .		1
18	Cytotoxicity of arsenic trioxide in single leukemia cells by time-resolved ICP-MS together with lanthanide tags. <i>Chemical Communications</i> , 2017, 53, 2970-2973.	2.2	37

#	ARTICLE	IF	CITATIONS
19	Mass cytometry deep phenotyping of human mononuclear phagocytes and myeloid-derived suppressor cells from human blood and bone marrow. <i>Journal of Leukocyte Biology</i> , 2017, 102, 437-447.	1.5	72
20	Analysis of S1P Receptor Expression by Uterine Immune Cells Using Standardized Multi-parametric Flow Cytometry. <i>Methods in Molecular Biology</i> , 2017, 1697, 83-97.	0.4	1
21	Removal of batch effects using distribution-matching residual networks. <i>Bioinformatics</i> , 2017, 33, 2539-2546.	1.8	120
22	High-resolution myogenic lineage mapping by single-cell mass cytometry. <i>Nature Cell Biology</i> , 2017, 19, 558-567.	4.6	108
23	Current Advances in Highly Multiplexed Antibody-Based Single-Cell Proteomic Measurements. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1680-1691.	1.7	12
24	Quantitating drug-target engagement in single cells in vitro and in vivo. <i>Nature Chemical Biology</i> , 2017, 13, 168-173.	3.9	81
25	Human immune system variation. <i>Nature Reviews Immunology</i> , 2017, 17, 21-29.	10.6	466
26	Automated cell type discovery and classification through knowledge transfer. <i>Bioinformatics</i> , 2017, 33, 1689-1695.	1.8	52
27	Early Detection of Cancer in Blood Using Single-Cell Analysis: A Proposal. <i>Trends in Molecular Medicine</i> , 2017, 23, 594-603.	3.5	9
29	Single-cell analyses to reveal hematopoietic stem cell fate decisions. <i>FEBS Letters</i> , 2017, 591, 2195-2212.	1.3	17
30	microMS: A Python Platform for Image-Guided Mass Spectrometry Profiling. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1919-1928.	1.2	53
31	Heavy Metal to Rock the Immune Infiltrate. <i>Trends in Immunology</i> , 2017, 38, 539-541.	2.9	9
32	Preparing Viable Single Cells from Human Tissue and Tumors for Cytomic Analysis. <i>Current Protocols in Molecular Biology</i> , 2017, 118, 25C.1.1-25C.1.23.	2.9	45
33	Systematic evaluation of immune regulation and modulation. , 2017, 5, 21.		20
34	Research Techniques Made Simple: Experimental Methodology for Single-Cell Mass Cytometry. <i>Journal of Investigative Dermatology</i> , 2017, 137, e31-e38.	0.3	19
35	Evolution of MHC-based technologies used for detection of antigen-responsive T cells. <i>Cancer Immunology, Immunotherapy</i> , 2017, 66, 657-666.	2.0	65
36	Advances and applications of immune receptor sequencing in systems immunology. <i>Current Opinion in Systems Biology</i> , 2017, 1, 62-68.	1.3	16
37	Single-cell mass spectrometry reveals the importance of genetic diversity and plasticity for phenotypic variation in nitrogen-limited <i>Chlamydomonas</i> . <i>ISME Journal</i> , 2017, 11, 988-998.	4.4	27

#	ARTICLE	IF	CITATIONS
38	Multiparameter Single Cell Profiling of Airway Inflammatory Cells. <i>Cytometry Part B - Clinical Cytometry</i> , 2017, 92, 12-20.	0.7	19
39	Defining Renal Neoplastic Disease, One Cell at a Time: Mass Cytometry, a New Tool for the Study of Kidney Biology and Disease. <i>American Journal of Kidney Diseases</i> , 2017, 70, 758-761.	2.1	0
40	Lanthanide-Coordinated Semiconducting Polymer Dots Used for Flow Cytometry and Mass Cytometry. <i>Angewandte Chemie</i> , 2017, 129, 15104-15108.	1.6	3
41	Determining T-cell specificity to understand and treat disease. <i>Nature Biomedical Engineering</i> , 2017, 1, 784-795.	11.6	10
42	A conduit to metastasis: circulating tumor cell biology. <i>Genes and Development</i> , 2017, 31, 1827-1840.	2.7	330
43	Single-cell mass cytometry and transcriptome profiling reveal the impact of graphene on human immune cells. <i>Nature Communications</i> , 2017, 8, 1109.	5.8	111
44	Unravelling biology and shifting paradigms in cancer with single-cell sequencing. <i>Nature Reviews Cancer</i> , 2017, 17, 557-569.	12.8	280
45	Flow cytometry in Spermatology: A bright future ahead. <i>Reproduction in Domestic Animals</i> , 2017, 52, 921-931.	0.6	21
46	Imaging cytometry: Automated morphology and feature extraction. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 851-853.	1.1	4
47	Lanthanide-Coordinated Semiconducting Polymer Dots Used for Flow Cytometry and Mass Cytometry. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14908-14912.	7.2	32
48	Leveraging blood and tissue CD4+ T cell heterogeneity at the single cell level to identify mechanisms of disease in rheumatoid arthritis. <i>Current Opinion in Immunology</i> , 2017, 49, 27-36.	2.4	15
49	High-dimensional, single-cell characterization of the brain's immune compartment. <i>Nature Neuroscience</i> , 2017, 20, 1300-1309.	7.1	307
50	Single Cell Analysis of Human Tissues and Solid Tumors with Mass Cytometry. , 2017, , .		40
51	Information-Theoretic Approaches to Understanding Stem Cell Variability. <i>Current Stem Cell Reports</i> , 2017, 3, 225-231.	0.7	5
52	Interrogating islets in health and disease with single-cell technologies. <i>Molecular Metabolism</i> , 2017, 6, 991-1001.	3.0	42
53	Colony Lysate Arrays for Proteomic Profiling of Drug-Tolerant Persisters of Cancer Cell. <i>Analytical Chemistry</i> , 2017, 89, 8626-8631.	3.2	3
54	A microfluidic flow cytometer enabling absolute quantification of single-cell intracellular proteins. <i>Lab on A Chip</i> , 2017, 17, 3129-3137.	3.1	41
55	Distinct Cellular Mechanisms Underlie Anti-CTLA-4 and Anti-PD-1 Checkpoint Blockade. <i>Cell</i> , 2017, 170, 1120-1133.e17.	13.5	960

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56	High-throughput screening of hybridoma supernatants using multiplexed fluorescent cell barcoding on live cells. <i>Journal of Immunological Methods</i> , 2017, 451, 20-27.	0.6	11
57	Applications of Mass Cytometry in Clinical Medicine. <i>Clinics in Laboratory Medicine</i> , 2017, 37, 945-964.	0.7	44
59	Regulatory myeloid cells: an underexplored continent in B-cell lymphomas. <i>Cancer Immunology, Immunotherapy</i> , 2017, 66, 1103-1111.	2.0	19
60	Single Cell Level Quantification of Nanoparticle-Cell Interactions Using Mass Cytometry. <i>Analytical Chemistry</i> , 2017, 89, 8228-8232.	3.2	30
61	Liposome-Encapsulated NaLnF ₄ Nanoparticles for Mass Cytometry: Evaluating Nonspecific Binding to Cells. <i>Chemistry of Materials</i> , 2017, 29, 4980-4990.	3.2	27
62	Challenges and emerging directions in single-cell analysis. <i>Genome Biology</i> , 2017, 18, 84.	3.8	258
63	Single cell analysis of human tissues and solid tumors with mass cytometry. <i>Cytometry Part B - Clinical Cytometry</i> , 2017, 92, 68-78.	0.7	89
64	Applying Mass Cytometry to the Analysis of Lymphoid Populations in Transplantation. <i>American Journal of Transplantation</i> , 2017, 17, 1992-1999.	2.6	11
65	The road ahead: Implementing mass cytometry in clinical studies, one cell at a time. <i>Cytometry Part B - Clinical Cytometry</i> , 2017, 92, 10-11.	0.7	19
66	Bioinformatics Approaches to Profile the Tumor Microenvironment for Immunotherapeutic Discovery. <i>Current Pharmaceutical Design</i> , 2017, 23, 4716-4725.	0.9	11
67	Combining Flow and Mass Cytometry in the Search for Biomarkers in Chronic Graft-versus-Host Disease. <i>Frontiers in Immunology</i> , 2017, 8, 717.	2.2	37
68	Multi-Omics Analyses of the Development and Function of Natural Killer Cells. <i>Frontiers in Immunology</i> , 2017, 8, 1095.	2.2	20
69	Signal Transduction Networks Analysis: The Reverse Phase Protein Array. , 2017, , .		0
70	On the origin and impact of mesenchymal stem cell heterogeneity: new insights and emerging tools for single cell analysis. , 2017, 34, 217-231.		144
71	Cell type discovery and representation in the era of high-content single cell phenotyping. <i>BMC Bioinformatics</i> , 2017, 18, 559.	1.2	51
72	Strategies for the acquisition of transcriptional and epigenetic information in single cells. <i>Journal of Thoracic Disease</i> , 2017, 9, S9-S16.	0.6	16
73	Highly multiplexed and quantitative cell-surface protein profiling using genetically barcoded antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2836-2841.	3.3	44
74	Characterization of Postinfusion Phenotypic Differences in Fresh Versus Cryopreserved TCR Engineered Adoptive Cell Therapy Products. <i>Journal of Immunotherapy</i> , 2018, 41, 248-259.	1.2	3

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75	Lithium-associated transcriptional regulation of CRMP1 in patient-derived olfactory neurons and symptom changes in bipolar disorder. <i>Translational Psychiatry</i> , 2018, 8, 81.	2.4	11
76	An optimized method to measure human FOXP3 ⁺ regulatory T cells from multiple tissue types using mass cytometry. <i>European Journal of Immunology</i> , 2018, 48, 1415-1419.	1.6	7
77	Systems Immunology: Learning the Rules of the Immune System. <i>Annual Review of Immunology</i> , 2018, 36, 813-842.	9.5	70
78	Labeling Carboxyl Groups of Surface-Exposed Proteins Provides an Orthogonal Approach for Cell Surface Isolation. <i>Journal of Proteome Research</i> , 2018, 17, 1784-1793.	1.8	17
79	Investigating the interplay between substrate stiffness and ligand chemistry in directing mesenchymal stem cell differentiation within 3D macro-porous substrates. <i>Biomaterials</i> , 2018, 171, 23-33.	5.7	64
80	Single-cell transcriptional profiling: a window into embryonic cell-type specification. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 399-412.	16.1	46
81	Predicting leukemia relapse. <i>Nature Medicine</i> , 2018, 24, 385-387.	15.2	2
82	Individually addressable and dynamic DNA gates for multiplexed cell sorting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4357-4362.	3.3	17
83	Myeloid cell heterogeneity in cancer: not a single cell alike. <i>Cellular Immunology</i> , 2018, 330, 188-201.	1.4	127
84	Commonly Occurring Cell Subsets in High-Grade Serous Ovarian Tumors Identified by Single-Cell Mass Cytometry. <i>Cell Reports</i> , 2018, 22, 1875-1888.	2.9	83
85	Targeting minimal residual disease: a path to cure?. <i>Nature Reviews Cancer</i> , 2018, 18, 255-263.	12.8	106
86	Recent advances and opportunities in proteomic analyses of tumour heterogeneity. <i>Journal of Pathology</i> , 2018, 244, 628-637.	2.1	21
87	Einzelzell- ^{MS} Massenspektrometrie zur Untersuchung zellulärer Heterogenität. <i>Angewandte Chemie</i> , 2018, 130, 4554-4566.	1.6	25
88	Diversification of human NK cells: Lessons from deep profiling. <i>Journal of Leukocyte Biology</i> , 2018, 103, 629-641.	1.5	56
89	Generating Quantitative Cell Identity Labels with Marker Enrichment Modeling (MEM). <i>Current Protocols in Cytometry</i> , 2018, 83, 10.21.1-10.21.28.	3.7	15
90	A Beginner's Guide to Analyzing and Visualizing Mass Cytometry Data. <i>Journal of Immunology</i> , 2018, 200, 3-22.	0.4	130
91	Multiplex protein detection on circulating tumor cells from liquid biopsies using imaging mass cytometry. <i>Convergent Science Physical Oncology</i> , 2018, 4, 015002.	2.6	60
92	Metallofluorescent Nanoparticles for Multimodal Applications. <i>ACS Omega</i> , 2018, 3, 144-153.	1.6	15

#	ARTICLE	IF	CITATIONS
93	Development of a Click-Chemistry Reagent Compatible with Mass Cytometry. <i>Scientific Reports</i> , 2018, 8, 6657.	1.6	5
94	Anti-TNF and thiopurine therapy in pregnant IBD patients does not significantly alter a panel of B-cell and T-cell subsets in 1-year-old infants. <i>Clinical and Translational Gastroenterology</i> , 2018, 9, e143.	1.3	20
95	Identification of gene regulation models from single-cell data. <i>Physical Biology</i> , 2018, 15, 055001.	0.8	9
96	Taking Systems Medicine to Heart. <i>Circulation Research</i> , 2018, 122, 1276-1289.	2.0	32
97	Application of Chemogenetics and Optogenetics to Dissect Brain-Immune Interactions. <i>Methods in Molecular Biology</i> , 2018, 1781, 195-208.	0.4	5
100	Single-Cell Protein Assays: A Review. <i>Methods in Molecular Biology</i> , 2018, 1754, 293-309.	0.4	2
101	Implementation of a Multiplex and Quantitative Proteomics Platform for Assessing Protein Lysates Using DNA-Barcoded Antibodies. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1245-1258.	2.5	19
102	Population heterogeneity in microbial bioprocesses: origin, analysis, mechanisms, and future perspectives. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 889-916.	1.7	61
103	Modeling Cell-to-Cell Communication Networks Using Response-Time Distributions. <i>Cell Systems</i> , 2018, 6, 355-367.e5.	2.9	57
104	Single-cell technologies for profiling T cells to enable monitoring of immunotherapies. <i>Current Opinion in Chemical Engineering</i> , 2018, 19, 142-152.	3.8	11
105	Deep immune profiling by mass cytometry links human T and NK cell differentiation and cytotoxic molecule expression patterns. <i>Journal of Immunological Methods</i> , 2018, 453, 3-10.	0.6	64
106	Methods for cell volume measurement. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 281-296.	1.1	32
107	Dissecting human gliomas by single-cell RNA sequencing. <i>Neuro-Oncology</i> , 2018, 20, 37-43.	0.6	56
108	Methodologies and approaches for the analysis of cell-nanoparticle interactions. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2018, 10, e1486.	3.3	36
109	Recent advances in the use of microfluidic technologies for single cell analysis. <i>Analyst</i> , The, 2018, 143, 60-80.	1.7	121
110	NanoSIMS for biological applications: Current practices and analyses. <i>Biointerphases</i> , 2018, 13, 03B301.	0.6	147
111	Quantitation of nonspecific protein adsorption at solid-liquid interfaces for single-cell proteomics. <i>Canadian Journal of Chemistry</i> , 2018, 96, 102-109.	0.6	4
112	High-dimension single-cell analysis applied to cancer. <i>Molecular Aspects of Medicine</i> , 2018, 59, 70-84.	2.7	19

#	ARTICLE	IF	CITATIONS
113	Flow Virometry: a Powerful Tool To Functionally Characterize Viruses. <i>Journal of Virology</i> , 2018, 92, .	1.5	66
114	Geometry-induced injection dispersion in single-cell protein electrophoresis. <i>Analytica Chimica Acta</i> , 2018, 1000, 214-222.	2.6	6
115	Identity and Diversity of Human Peripheral Th and T Regulatory Cells Defined by Single-Cell Mass Cytometry. <i>Journal of Immunology</i> , 2018, 200, 336-346.	0.4	89
116	Computational approaches for inferring tumor evolution from single-cell genomic data. <i>Current Opinion in Systems Biology</i> , 2018, 7, 16-25.	1.3	36
118	Single-Cell Mass Spectrometry Approaches to Explore Cellular Heterogeneity. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4466-4477.	7.2	224
119	Application and utility of mass cytometry in vaccine development. <i>FASEB Journal</i> , 2018, 32, 5-15.	0.2	22
120	Regulation and phylogeny of skeletal muscle regeneration. <i>Developmental Biology</i> , 2018, 433, 200-209.	0.9	149
121	Tumor Heterogeneity in Lymphomas: A Different Breed. <i>Pathobiology</i> , 2018, 85, 130-145.	1.9	31
122	Single-cell RNA sequencing to explore immune cell heterogeneity. <i>Nature Reviews Immunology</i> , 2018, 18, 35-45.	10.6	1,085
123	Genomics of Acute Myeloid Leukemia. , 2018, , .		0
124	Epigenetic Control of Endocrine Pancreas Differentiation in vitro: Current Knowledge and Future Perspectives. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 141.	1.8	13
125	Systems immunology of human humoral immunity. <i>Current Opinion in Systems Biology</i> , 2018, 12, 70-77.	1.3	1
126	Effect of CTLA4-ig (abatacept) treatment on T cells and B cells in peripheral blood of patients with polymyositis and dermatomyositis. <i>Scandinavian Journal of Immunology</i> , 2019, 89, e12732.	1.3	8
127	Receptor-Ligand Interaction Measured by Inductively Coupled Plasma Mass Spectrometry and Selenium Labeling. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10173-10184.	2.9	12
128	Cancer research in the era of immunogenomics. <i>ESMO Open</i> , 2018, 3, e000475.	2.0	14
129	Atherosclerosis in the single-cell era. <i>Current Opinion in Lipidology</i> , 2018, 29, 389-396.	1.2	44
130	A Review on T Cell Epitopes Identified Using Prediction and Cell-Mediated Immune Models for <i>Mycobacterium tuberculosis</i> and <i>Bordetella pertussis</i> . <i>Frontiers in Immunology</i> , 2018, 9, 2778.	2.2	41
132	Using single cell analysis for translational studies in immune mediated diseases: Opportunities and challenges. <i>Molecular Immunology</i> , 2018, 103, 191-199.	1.0	7

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133	The 10,000 Immunomes Project: Building a Resource for Human Immunology. <i>Cell Reports</i> , 2018, 25, 513-522.e3.	2.9	40
134	A Microfluidic Fluorescent Flow Cytometry Capable of Quantifying Cell Sizes and Numbers of Specific Cytosolic Proteins. <i>Scientific Reports</i> , 2018, 8, 14229.	1.6	14
135	Fisetin is a senotherapeutic that extends health and lifespan. <i>EBioMedicine</i> , 2018, 36, 18-28.	2.7	554
136	Metal-isotope-tagged monoclonal antibodies for high-dimensional mass cytometry. <i>Nature Protocols</i> , 2018, 13, 2121-2148.	5.5	171
137	A Chemical Approach for Profiling Intracellular AKT Signaling Dynamics from Single Cells. <i>Journal of the American Chemical Society</i> , 2018, 140, 13586-13589.	6.6	10
138	Controlling Dispersion during Single-Cell Polyacrylamide-Gel Electrophoresis in Open Microfluidic Devices. <i>Analytical Chemistry</i> , 2018, 90, 13419-13426.	3.2	25
139	Multi-Omics Profiling of the Tumor Microenvironment: Paving the Way to Precision Immuno-Oncology. <i>Frontiers in Oncology</i> , 2018, 8, 430.	1.3	57
140	High-Dimensional Analysis Delineates Myeloid and Lymphoid Compartment Remodeling during Successful Immune-Checkpoint Cancer Therapy. <i>Cell</i> , 2018, 175, 1014-1030.e19.	13.5	292
141	Effect of storage time and temperature on cell cycle analysis by mass cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 1141-1149.	1.1	11
142	Paving the way to single-molecule protein sequencing. <i>Nature Nanotechnology</i> , 2018, 13, 786-796.	15.6	292
143	Comprehensive analysis of T cell leukemia signals reveals heterogeneity in the PI3 kinase-Akt pathway and limitations of PI3 kinase inhibitors as monotherapy. <i>PLoS ONE</i> , 2018, 13, e0193849.	1.1	14
144	Immune Checkpoint Blockade and Immune Monitoring. , 0, , .		1
145	Deep Profiling of the Immune System of Multiple Myeloma Patients Using Cytometry by Time-of-Flight (CyTOF). <i>Methods in Molecular Biology</i> , 2018, 1792, 47-54.	0.4	6
146	<sc>BRAF</sc> and <sc>MEK</sc> inhibitor therapy eliminates Nestin-expressing melanoma cells in human tumors. <i>Pigment Cell and Melanoma Research</i> , 2018, 31, 708-719.	1.5	9
147	Single Cell Proteomics for Molecular Targets in Lung Cancer: High-Dimensional Data Acquisition and Analysis. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1068, 73-87.	0.8	5
149	Theoretical and Applied Aspects of Systems Biology. <i>Computational Biology</i> , 2018, , .	0.1	3
150	Immune cell profiling in the age of immune checkpoint inhibitors: implications for biomarker discovery and understanding of resistance mechanisms. <i>Mammalian Genome</i> , 2018, 29, 866-878.	1.0	10
151	Single-cell epigenetics "Chromatin modification atlas unveiled by mass cytometry. <i>Clinical Immunology</i> , 2018, 196, 40-48.	1.4	29

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152	Systems Immunology. Computational Biology, 2018, , 159-173.	0.1	2
153	Accelerating a paradigm shift: The Common Fund Single Cell Analysis Program. Science Advances, 2018, 4, eaat8573.	4.7	11
154	Using Regularization to Infer Cell Line Specificity in Logical Network Models of Signaling Pathways. Frontiers in Physiology, 2018, 9, 550.	1.3	3
155	Lipid and Non-lipid Factors Affecting Macrophage Dysfunction and Inflammation in Atherosclerosis. Frontiers in Physiology, 2018, 9, 654.	1.3	65
156	Characterizing Glioblastoma Heterogeneity via Single-Cell Receptor Quantification. Frontiers in Bioengineering and Biotechnology, 2018, 6, 92.	2.0	37
157	Single-Cell RNA Sequencing: A New Window into Cell Scale Dynamics. Biophysical Journal, 2018, 115, 429-435.	0.2	9
158	Tellurium-based mass cytometry barcode for live and fixed cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2018, 93, 685-694.	1.1	22
159	Nanopipettes as Monitoring Probes for the Single Living Cell: State of the Art and Future Directions in Molecular Biology. Cells, 2018, 7, 55.	1.8	30
160	From Mouth Pipetting to Microfluidics: The Evolution of Technologies for Picking Healthy Single Cells. Advanced Biology, 2018, 2, 1800099.	3.0	2
161	Single-Cell Multi-omics: An Engine for New Quantitative Models of Gene Regulation. Trends in Genetics, 2018, 34, 653-665.	2.9	86
162	The Regulation of Inflammation by Innate and Adaptive Lymphocytes. Journal of Immunology Research, 2018, 2018, 1-14.	0.9	141
163	A Universal Live Cell Barcoding-Platform for Multiplexed Human Single Cell Analysis. Scientific Reports, 2018, 8, 10770.	1.6	75
164	Single-Cell (Multi)omics Technologies. Annual Review of Genomics and Human Genetics, 2018, 19, 15-41.	2.5	149
165	Flow Cytometry Data Preparation Guidelines for Improved Automated Phenotypic Analysis. Journal of Immunology, 2018, 200, 3319-3331.	0.4	10
166	Big Data Approaches for Modeling Response and Resistance to Cancer Drugs. Annual Review of Biomedical Data Science, 2018, 1, 1-27.	2.8	27
167	Automated Optically Guided System for Chemical Analysis of Single Plant and Algae Cells Using Laser Microdissection/Liquid Vortex Capture/Mass Spectrometry. Frontiers in Plant Science, 2018, 9, 1211.	1.7	16
168	Ratiometric Barcoding for Mass Cytometry. Analytical Chemistry, 2018, 90, 10688-10694.	3.2	9
169	The role of automated cytometry in the new era of cancer immunotherapy (Review). Molecular and Clinical Oncology, 2018, 9, 355-361.	0.4	12

#	ARTICLE	IF	CITATIONS
170	Background fluorescence and spreading error are major contributors of variability in high-dimensional flow cytometry data visualization by t-distributed stochastic neighboring embedding. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 785-792.	1.1	36
171	Facile carrier-assisted targeted mass spectrometric approach for proteomic analysis of low numbers of mammalian cells. <i>Communications Biology</i> , 2018, 1, 103.	2.0	21
172	A multi-cohort study of the immune factors associated with M. tuberculosis infection outcomes. <i>Nature</i> , 2018, 560, 644-648.	13.7	184
173	Quantification of Biogenic Amines from Individual GFP-Labeled <i>Drosophila</i> Cells by MALDI-TOF Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 8035-8043.	3.2	13
174	Implementation of Mass Cytometry as a Tool for Mechanism of Action Studies in Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 2366-2376.	0.9	6
175	Analysis of Single Neurons by Perforated Patch Clamp Recordings and MALDI-TOF Mass Spectrometry. <i>ACS Chemical Neuroscience</i> , 2018, 9, 2089-2096.	1.7	13
176	Single-Cell Proteomics for Cancer Immunotherapy. <i>Advances in Cancer Research</i> , 2018, 139, 185-207.	1.9	21
177	Flow cytometry and FACS applied to filamentous fungi. <i>Fungal Biology Reviews</i> , 2019, 33, 1-15.	1.9	45
178	Progenitor and Stem Cell Heterogeneity. , 2019, , 93-111.		0
179	Highly Sensitive and Multiplexed Protein Measurements. <i>Chemical Reviews</i> , 2019, 119, 293-321.	23.0	187
180	Role of protein phosphatases in the cancer microenvironment. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 144-152.	1.9	39
182	Innovative Molecular Testing Strategies for Adjunctive Investigations in Hemostasis and Thrombosis. <i>Seminars in Thrombosis and Hemostasis</i> , 2019, 45, 751-756.	1.5	3
183	Tuning the Tumor Myeloid Microenvironment to Fight Cancer. <i>Frontiers in Immunology</i> , 2019, 10, 1611.	2.2	96
184	The Spatial and Genomic Hierarchy of Tumor Ecosystems Revealed by Single-Cell Technologies. <i>Trends in Cancer</i> , 2019, 5, 411-425.	3.8	44
185	Recent Progress in Single-Cell Sequencing. , 2019, , 21-34.		0
186	Comprehensive Immune Monitoring of Clinical Trials to Advance Human Immunotherapy. <i>Cell Reports</i> , 2019, 28, 819-831.e4.	2.9	91
187	Construction of a Multiple-Aptamer-Based DNA Logic Device on Live Cell Membranes via Associative Toehold Activation for Accurate Cancer Cell Identification. <i>Journal of the American Chemical Society</i> , 2019, 141, 12738-12743.	6.6	217
188	Candidate Markers for Stratification and Classification in Rheumatoid Arthritis. <i>Frontiers in Immunology</i> , 2019, 10, 1488.	2.2	17

#	ARTICLE	IF	CITATIONS
189	Meeting the Challenges of High-Dimensional Single-Cell Data Analysis in Immunology. <i>Frontiers in Immunology</i> , 2019, 10, 1515.	2.2	67
190	Highly Multiplexed, Quantitative Tissue Imaging at Cellular Resolution. <i>Current Pathobiology Reports</i> , 2019, 7, 109-118.	1.6	2
191	Single-Cell High-Throughput Technologies in Cerebrospinal Fluid Research and Diagnostics. <i>Frontiers in Immunology</i> , 2019, 10, 1302.	2.2	12
192	Biohybrid Nanoparticles to Negotiate with Biological Barriers. <i>Small</i> , 2019, 15, e1902333.	5.2	22
193	Recharacterizing Tumor-Infiltrating Lymphocytes by Single-Cell RNA Sequencing. <i>Cancer Immunology Research</i> , 2019, 7, 1040-1046.	1.6	57
194	Exploring single cells in space and time during tissue development, homeostasis and regeneration. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	51
195	Structure-preserving visualisation of high dimensional single-cell datasets. <i>Scientific Reports</i> , 2019, 9, 8914.	1.6	59
196	Single-Cell Analysis of Circulating Tumor Cells: How Far Have We Come in the -Omics Era?. <i>Frontiers in Genetics</i> , 2019, 10, 958.	1.1	53
197	Decoding communication patterns of the innate immune system by quantitative proteomics. <i>Journal of Leukocyte Biology</i> , 2019, 106, 1221-1232.	1.5	20
198	An Râ€Derived FlowSOM Process to Analyze Unsupervised Clustering of Normal and Malignant Human Bone Marrow Classical Flow Cytometry Data. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 1191-1197.	1.1	28
199	Single-cell analysis for proteome and related researches. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115666.	5.8	9
200	Highly Stable and Inert Complexation of Indium(III) by Reinforced Cyclam Dipicolinate and a Bifunctional Derivative for Bead Encoding in Mass Cytometry. <i>Chemistry - A European Journal</i> , 2019, 25, 15387-15400.	1.7	8
201	Challenges in the Multivariate Analysis of Mass Cytometry Data: The Effect of Randomization. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 1178-1190.	1.1	12
202	29-Color Flow Cytometry: Unraveling Human Liver NK Cell Repertoire Diversity. <i>Frontiers in Immunology</i> , 2019, 10, 2692.	2.2	22
203	Mass Cytometry Reveals Global Immune Remodeling with Multi-lineage Hypersensitivity to Type I Interferon in Down Syndrome. <i>Cell Reports</i> , 2019, 29, 1893-1908.e4.	2.9	78
204	Mind the Map: Technology Shapes the Myeloid Cell Space. <i>Frontiers in Immunology</i> , 2019, 10, 2287.	2.2	15
205	Unravelling tumour heterogeneity by single-cell profiling of circulating tumour cells. <i>Nature Reviews Cancer</i> , 2019, 19, 553-567.	12.8	393
206	High-dimensional analysis reveals a pathogenic role of inflammatory monocytes in experimental diffuse alveolar hemorrhage. <i>JCI Insight</i> , 2019, 4, .	2.3	14

#	ARTICLE	IF	CITATIONS
207	Multiplexed laser particles for spatially resolved single-cell analysis. <i>Light: Science and Applications</i> , 2019, 8, 74.	7.7	28
208	Pursuing Human-Relevant Gut Microbiota-Immune Interactions. <i>Immunity</i> , 2019, 51, 225-239.	6.6	105
209	Cytokit: a single-cell analysis toolkit for high dimensional fluorescent microscopy imaging. <i>BMC Bioinformatics</i> , 2019, 20, 448.	1.2	41
210	Systems biology approaches to measure and model phenotypic heterogeneity in cancer. <i>Current Opinion in Systems Biology</i> , 2019, 17, 35-40.	1.3	17
211	Plasmonic droplet screen for single-cell secretion analysis. <i>Biosensors and Bioelectronics</i> , 2019, 144, 111639.	5.3	22
212	New Methods for Cell Cycle Analysis. <i>Chinese Journal of Analytical Chemistry</i> , 2019, 47, 1293-1301.	0.9	7
213	Quantitative profiling of CD13 on single acute myeloid leukemia cells by super-resolution imaging and its implication in targeted drug susceptibility assessment. <i>Nanoscale</i> , 2019, 11, 1737-1744.	2.8	11
214	Single-Cell Screening of Tamoxifen Abundance and Effect Using Mass Spectrometry and Raman-Spectroscopy. <i>Analytical Chemistry</i> , 2019, 91, 2710-2718.	3.2	27
215	Why geneticists stole cancer research even though cancer is primarily a signaling disease. <i>Science Signaling</i> , 2019, 12, .	1.6	52
216	OMIP-054: Broad Immune Phenotyping of Innate and Adaptive Leukocytes in the Brain, Spleen, and Bone Marrow of an Orthotopic Murine Glioblastoma Model by Mass Cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 422-426.	1.1	16
217	Glutathione Might Attenuate Cadmium-Induced Liver Oxidative Stress and Hepatic Stellate Cell Activation. <i>Biological Trace Element Research</i> , 2019, 191, 443-452.	1.9	34
218	Dissecting alterations in human CD8+ T cells with aging by high-dimensional single cell mass cytometry. <i>Clinical Immunology</i> , 2019, 200, 24-30.	1.4	18
219	New mass spectrometry technologies contributing towards comprehensive and high throughput omics analyses of single cells. <i>Analyst</i> , The, 2019, 144, 794-807.	1.7	67
220	<p>Long-term icariin treatment ameliorates cognitive deficits via CD4⁺ T cell-mediated immuno-inflammatory responses in APP/PS1 mice</p>. <i>Clinical Interventions in Aging</i> , 2019, Volume 14, 817-826.	1.3	21
221	Elucidating the molecular circuitry of autoimmunity. <i>Nature Immunology</i> , 2019, 20, 777-778.	7.0	0
222	Systemic Immunologic Consequences of Chronic Periodontitis. <i>Journal of Dental Research</i> , 2019, 98, 985-993.	2.5	32
223	Immunomics in Pediatric Rheumatic Diseases. <i>Frontiers in Medicine</i> , 2019, 6, 111.	1.2	1
224	Label-free Mass Cytometry for Unveiling Cellular Metabolic Heterogeneity. <i>Analytical Chemistry</i> , 2019, 91, 9777-9783.	3.2	59

#	ARTICLE	IF	CITATIONS
225	Evaluation of Mass Cytometry in the Clinical Laboratory. <i>Cytometry Part B - Clinical Cytometry</i> , 2019, 96, 266-274.	0.7	8
226	Differential Dynamics of the Maternal Immune System in Healthy Pregnancy and Preeclampsia. <i>Frontiers in Immunology</i> , 2019, 10, 1305.	2.2	65
227	The rise of peripheral T helper cells in autoimmune disease. <i>Nature Reviews Rheumatology</i> , 2019, 15, 453-454.	3.5	6
228	Linking Cell Dynamics With Gene Coexpression Networks to Characterize Key Events in Chronic Virus Infections. <i>Frontiers in Immunology</i> , 2019, 10, 1002.	2.2	7
229	Single Cell Proteomics by Data-Independent Acquisition To Study Embryonic Asymmetry in <i>Xenopus laevis</i> . <i>Analytical Chemistry</i> , 2019, 91, 8891-8899.	3.2	38
230	Considerations for Immunohistochemistry. <i>Success in Academic Surgery</i> , 2019, , 105-144.	0.1	1
231	Data analysis to modeling to building theory in NK cell biology and beyond: How can computational modeling contribute?. <i>Journal of Leukocyte Biology</i> , 2019, 105, 1305-1317.	1.5	3
232	Expanding the Clinical Cytometry Toolbox—Receptor Occupancy by Mass Cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 1046-1048.	1.1	1
234	Single-cell technologies “studying rheumatic diseases one cell at a time. <i>Nature Reviews Rheumatology</i> , 2019, 15, 340-354.	3.5	30
235	Multiplexing Angiogenic Receptor Quantification via Quantum Dots. <i>Analytical Chemistry</i> , 2019, 91, 7603-7612.	3.2	11
236	Utilizing Flow Cytometry Effectively. <i>Success in Academic Surgery</i> , 2019, , 145-155.	0.1	0
237	Cellular Metabolic Heterogeneity In Vivo Is Recapitulated in Tumor Organoids. <i>Neoplasia</i> , 2019, 21, 615-626.	2.3	51
238	Picturing Polarized Myeloid Phagocytes and Regulatory Cells by Mass Cytometry. <i>Methods in Molecular Biology</i> , 2019, 1989, 217-226.	0.4	7
239	Label-Free Identification of White Blood Cells Using Machine Learning. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 836-842.	1.1	66
240	Method for Tagging Antibodies with Metals for Mass Cytometry Experiments. <i>Methods in Molecular Biology</i> , 2019, 1989, 47-54.	0.4	2
241	Immune contexture defined by single cell technology for prognosis prediction and immunotherapy guidance in cancer. <i>Cancer Communications</i> , 2019, 39, 1-9.	3.7	40
242	Profiling protein-protein interactions of single cancer cells with in situ lysis and co-immunoprecipitation. <i>Lab on A Chip</i> , 2019, 19, 1922-1928.	3.1	14
243	Transcription Factor Stoichiometry Drives Cell Fate: Single-Cell Proteomics to the Rescue. <i>Cell Stem Cell</i> , 2019, 24, 673-674.	5.2	9

#	ARTICLE	IF	CITATIONS
244	Integrating molecular pathogenesis and clinical translation in sepsis-induced acute respiratory distress syndrome. <i>JCI Insight</i> , 2019, 4, .	2.3	122
246	Patient Registries in Idiopathic Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 160-167.	2.5	41
247	High-dimensional cell-level analysis of tissues with Ce3D multiplex volume imaging. <i>Nature Protocols</i> , 2019, 14, 1708-1733.	5.5	103
248	Expansion and activation of distinct central memory T lymphocyte subsets in complex regional pain syndrome. <i>Journal of Neuroinflammation</i> , 2019, 16, 63.	3.1	34
249	CyTOF®: A New Tool to Decipher the Immunomodulatory Activity of Daratumumab. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 416-418.	1.1	4
250	Single-Cell Proteomics Reveal that Quantitative Changes in Co-expressed Lineage-Specific Transcription Factors Determine Cell Fate. <i>Cell Stem Cell</i> , 2019, 24, 812-820.e5.	5.2	99
251	How Clinical Flow Cytometry Rebooted Sepsis Immunology. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 431-441.	1.1	33
252	Single-Cell Omics Analyses Enabled by Microchip Technologies. <i>Annual Review of Biomedical Engineering</i> , 2019, 21, 365-393.	5.7	49
253	Sizing biological cells using a microfluidic acoustic flow cytometer. <i>Scientific Reports</i> , 2019, 9, 4775.	1.6	18
254	Implementation of Mass Cytometry for Immunoprofiling of Patients with Solid Tumors. <i>Journal of Immunology Research</i> , 2019, 2019, 1-10.	0.9	3
255	Big science and big data in nephrology. <i>Kidney International</i> , 2019, 95, 1326-1337.	2.6	56
256	Aqueous synthesis of a small-molecule lanthanide chelator amenable to copper-free click chemistry. <i>PLoS ONE</i> , 2019, 14, e0209726.	1.1	3
258	Fluorescence imaging-based methods for single-cell protein analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4339-4347.	1.9	7
259	Predicting Cell Populations in Single Cell Mass Cytometry Data. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 769-781.	1.1	54
260	Systems immunology: Integrating multi-omics data to infer regulatory networks and hidden drivers of immunity. <i>Current Opinion in Systems Biology</i> , 2019, 15, 19-29.	1.3	32
261	Determination of essential phenotypic elements of clusters in high-dimensional entities"DEPECHE. <i>PLoS ONE</i> , 2019, 14, e0203247.	1.1	15
262	CyTOFmerge: integrating mass cytometry data across multiple panels. <i>Bioinformatics</i> , 2019, 35, 4063-4071.	1.8	23
263	Rapid, Untargeted Chemical Profiling of Single Cells in Their Native Environment. <i>Analytical Chemistry</i> , 2019, 91, 6118-6126.	3.2	40

#	ARTICLE	IF	CITATIONS
264	TePhe, a tellurium-containing phenylalanine mimic, allows monitoring of protein synthesis in vivo with mass cytometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8155-8160.	3.3	22
265	Titration Complex Mass Cytometry Panels. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 792-796.	1.1	16
266	Flow Cytometric Analysis of Nanoscale Biological Particles and Organelles. <i>Annual Review of Analytical Chemistry</i> , 2019, 12, 389-409.	2.8	47
267	Single-Cell Protein Secretion Detection and Profiling. <i>Annual Review of Analytical Chemistry</i> , 2019, 12, 431-449.	2.8	46
268	Chemical-Modified Nucleotide-Based Elemental Tags for High-Sensitive Immunoassay. <i>Analytical Chemistry</i> , 2019, 91, 5980-5986.	3.2	36
269	Parallel analysis of tri-molecular biosynthesis with cell identity and function in single cells. <i>Nature Communications</i> , 2019, 10, 1185.	5.8	29
270	Molecular insights into cancer drug resistance from a proteomics perspective. <i>Expert Review of Proteomics</i> , 2019, 16, 413-429.	1.3	17
271	Navigating the Landscape of Tumor Extracellular Vesicle Heterogeneity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1349.	1.8	39
272	Machine Learning of Stem Cell Identities From Single-Cell Expression Data via Regulatory Network Archetypes. <i>Frontiers in Genetics</i> , 2019, 10, 2.	1.1	14
273	Time-resolved particle image velocimetry and 3D simulations of single particles in the new conical ICP torch. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 469-479.	1.6	10
274	Computational Strategies for Niche-Dependent Cell Conversion to Assist Stem Cell Therapy. <i>Trends in Biotechnology</i> , 2019, 37, 687-696.	4.9	4
275	Microfluidics as an Emerging Precision Tool in Developmental Biology. <i>Developmental Cell</i> , 2019, 48, 293-311.	3.1	51
276	Resolving complex hierarchies in chemical mixtures: how chemometrics may serve in understanding the immune system. <i>Faraday Discussions</i> , 2019, 218, 317-338.	1.6	4
277	Determination of silver nanoparticles in single cells by microwell trapping and laser ablation ICP-MS determination. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 915-921.	1.6	23
278	ChronoClust: Density-based clustering and cluster tracking in high-dimensional time-series data. <i>Knowledge-Based Systems</i> , 2019, 174, 9-26.	4.0	12
279	Immune Profiling and Precision Medicine in Systemic Lupus Erythematosus. <i>Cells</i> , 2019, 8, 140.	1.8	34
280	System-based approaches as prognostic tools for glioblastoma. <i>BMC Cancer</i> , 2019, 19, 1092.	1.1	9
281	Preface: More than two decades of modern tumor immunology. <i>Methods in Enzymology</i> , 2019, 629, xxi-xl.	0.4	1

#	ARTICLE	IF	CITATIONS
282	Single Cell Receptor Analysis Aided by a Centrifugal Microfluidic Device for Immune Cells Profiling. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1834-1839.	2.0	8
283	Application of Single-Cell Omics in Breast Cancer. , 2019, , 69-103.		8
284	Monocytes and macrophages in atherogenesis. <i>Current Opinion in Lipidology</i> , 2019, 30, 401-408.	1.2	27
285	A comparison framework and guideline of clustering methods for mass cytometry data. <i>Genome Biology</i> , 2019, 20, 297.	3.8	80
286	Reverse Phase Protein Arrays. <i>Advances in Experimental Medicine and Biology</i> , 2019, , .	0.8	1
288	Innovation in Flow Cytometry Analysis: A New Paradigm Delineating Normal or Diseased Bone Marrow Subsets Through Machine Learning. <i>HemaSphere</i> , 2019, 3, e173.	1.2	21
290	Carrier-Assisted Single-Tube Processing Approach for Targeted Proteomics Analysis of Low Numbers of Mammalian Cells. <i>Analytical Chemistry</i> , 2019, 91, 1441-1451.	3.2	24
291	Targeted and Immune-Based Therapies for Hepatocellular Carcinoma. <i>Gastroenterology</i> , 2019, 156, 510-524.	0.6	179
292	Ushering in Integrated T Cell Repertoire Profiling in Cancer. <i>Trends in Cancer</i> , 2019, 5, 85-94.	3.8	19
293	Ultrasensitive Ambient Mass Spectrometry Immunoassays: Multiplexed Detection of Proteins in Serum and on Cell Surfaces. <i>Journal of the American Chemical Society</i> , 2019, 141, 72-75.	6.6	81
294	Integrative diagnosis of cancer by combining CTCs and associated peripheral blood cells in liquid biopsy. <i>Clinical and Translational Oncology</i> , 2019, 21, 828-835.	1.2	7
295	Deciphering Human Tumor Biology by Single-Cell Expression Profiling. <i>Annual Review of Cancer Biology</i> , 2019, 3, 151-166.	2.3	33
296	Mass synaptometry: High-dimensional multi parametric assay for single synapses. <i>Journal of Neuroscience Methods</i> , 2019, 312, 73-83.	1.3	26
297	A reflection on the role of ICP-MS in proteomics: Update and future perspective. <i>Journal of Proteomics</i> , 2019, 198, 11-17.	1.2	18
298	Plasmonic metal nanoparticles as efficient mass tags for ion signal amplification and ultrasensitive detection of protein markers. <i>Analytica Chimica Acta</i> , 2019, 1055, 1-6.	2.6	21
299	Chemical Analysis of Single Cells. <i>Analytical Chemistry</i> , 2019, 91, 588-621.	3.2	82
300	Multi-omics at single-cell resolution: comparison of experimental and data fusion approaches. <i>Current Opinion in Biotechnology</i> , 2019, 55, 159-166.	3.3	25
301	Autocrine TGFÎ² Is a Survival Factor for Monocytes and Drives Immunosuppressive Lineage Commitment. <i>Cancer Immunology Research</i> , 2019, 7, 306-320.	1.6	58

#	ARTICLE	IF	CITATIONS
302	Beyond the message: advantages of snapshot proteomics with single-cell mass cytometry in solid tumors. <i>FEBS Journal</i> , 2019, 286, 1523-1539.	2.2	26
303	Gate to the Future: Computational Analysis of Immunophenotyping Data. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 147-149.	1.1	12
304	Luminescent nanomaterials for droplet tracking in a microfluidic trapping array. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 157-170.	1.9	17
305	Exploring the Fundamental Structures of Life: Non-Targeted, Chemical Analysis of Single Cells and Subcellular Structures. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9348-9364.	7.2	65
306	Erforschung der fundamentalen Strukturen des Lebens: Nicht zielgerichtete chemische Analyse von Einzelzellen und subzellulären Strukturen. <i>Angewandte Chemie</i> , 2019, 131, 9448-9465.	1.6	5
307	Flow cytometry: Surface markers and beyond. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 528-537.	1.5	44
308	Quantification of molecular heterogeneity in kidney tissue by targeted proteomics. <i>Journal of Proteomics</i> , 2019, 193, 85-92.	1.2	15
309	Advanced imaging technology applications in cytology. <i>Diagnostic Cytopathology</i> , 2019, 47, 5-14.	0.5	9
312	Rigor and Reproducibility of Cytometry Practices for Immuno-Oncology: A multifaceted challenge. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 116-125.	1.1	13
313	Mass Spectrometry Methods for In Situ Analysis of Clinical Biomolecules. <i>Small Methods</i> , 2020, 4, 1900407.	4.6	22
314	VirtualCytometry: a webserver for evaluating immune cell differentiation using single-cell RNA sequencing data. <i>Bioinformatics</i> , 2020, 36, 546-551.	1.8	8
315	Decoding the complexities of human malaria through systems immunology. <i>Immunological Reviews</i> , 2020, 293, 144-162.	2.8	17
316	Deciphering host immunity to malaria using systems immunology. <i>Immunological Reviews</i> , 2020, 293, 115-143.	2.8	13
317	Dynamic distribution decomposition for single-cell snapshot time series identifies subpopulations and trajectories during iPSC reprogramming. <i>PLoS Computational Biology</i> , 2020, 16, e1007491.	1.5	4
318	FLOW-MAP: a graph-based, force-directed layout algorithm for trajectory mapping in single-cell time course datasets. <i>Nature Protocols</i> , 2020, 15, 398-420.	5.5	17
319	Discriminating Bacterial Phenotypes at the Population and Single-Cell Level: A Comparison of Flow Cytometry and Raman Spectroscopy Fingerprinting. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 713-726.	1.1	16
320	Gold nanoparticle mixture retention test with single particle detection: A fast and sensitive probe for functional pore sizes of ultrafiltration membranes. <i>Journal of Membrane Science</i> , 2020, 599, 117822.	4.1	9
322	Helminth infections drive heterogeneity in human type 2 and regulatory cells. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	33

#	ARTICLE	IF	CITATIONS
324	Synovial biopsies in inflammatory arthritis: precision medicine in rheumatoid arthritis. Expert Review of Molecular Diagnostics, 2020, 20, 315-325.	1.5	16
325	Immune monitoring using mass cytometry and related high-dimensional imaging approaches. Nature Reviews Rheumatology, 2020, 16, 87-99.	3.5	131
326	Immune cells within the tumor microenvironment: Biological functions and roles in cancer immunotherapy. Cancer Letters, 2020, 470, 126-133.	3.2	753
327	Deep Profiling of Cellular Heterogeneity by Emerging Single-Cell Proteomic Technologies. Proteomics, 2020, 20, e1900226.	1.3	44
328	Separation-encoded microparticles for single-cell western blotting. Lab on A Chip, 2020, 20, 64-73.	3.1	9
329	Pluripotent stem cell biology and engineering. , 2020, , 1-31.		0
330	Cardiac monocytes and macrophages after myocardial infarction. Cardiovascular Research, 2020, 116, 1101-1112.	1.8	263
331	Metal-Encoded Polystyrene Microbeads as a Mass Cytometry Calibration/Normalization Standard Covering Channels from Yttrium (89 amu) to Bismuth (209 amu). Analytical Chemistry, 2020, 92, 999-1006.	3.2	17
332	Modeling population heterogeneity from microbial communities to immune response in cells. Cellular and Molecular Life Sciences, 2020, 77, 415-432.	2.4	5
333	CAR T-Cell Therapy for CNS Malignancies. , 2020, , 165-198.		0
334	Single-cell transcriptome analysis of tumor and stromal compartments of pancreatic ductal adenocarcinoma primary tumors and metastatic lesions. Genome Medicine, 2020, 12, 80.	3.6	134
335	Facets of individual-specific health signatures determined from longitudinal plasma proteome profiling. EBioMedicine, 2020, 57, 102854.	2.7	18
336	SYLARAS: A Platform for the Statistical Analysis and Visual Display of Systemic Immunoprofiling Data and Its Application to Glioblastoma. Cell Systems, 2020, 11, 272-285.e9.	2.9	8
337	Immunometabolism in the Single-Cell Era. Cell Metabolism, 2020, 32, 710-725.	7.2	116
338	Tumor-targeted pH-low insertion peptide delivery of theranostic gadolinium nanoparticles for image-guided nanoparticle-enhanced radiation therapy. Translational Oncology, 2020, 13, 100839.	1.7	13
339	Multi-step processing of single cells using semi-permeable capsules. Lab on A Chip, 2020, 20, 4052-4062.	3.1	18
340	qSNE: quadratic rate t-SNE optimizer with automatic parameter tuning for large datasets. Bioinformatics, 2020, 36, 5086-5092.	1.8	3
341	Chemometrics in Flow Cytometry. , 2020, , 585-597.		0

#	ARTICLE	IF	CITATIONS
342	Artificial-cell-type aware cell-type classification in CITE-seq. <i>Bioinformatics</i> , 2020, 36, i542-i550.	1.8	10
343	Deciphering Organoids: High-Dimensional Analysis of Biomimetic Cultures. <i>Trends in Biotechnology</i> , 2021, 39, 774-787.	4.9	15
344	Single-Cell Immune Profiling in Coronary Artery Disease: The Role of State-of-the-Art Immunophenotyping With Mass Cytometry in the Diagnosis of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2020, 9, e017759.	1.6	19
345	Improvement of Disease Resistance in Livestock: Application of Immunogenomics and CRISPR/Cas9 Technology. <i>Animals</i> , 2020, 10, 2236.	1.0	15
346	High-Resolution Transcriptomic and Proteomic Profiling of Heterogeneity of Brain-Derived Microglia in Multiple Sclerosis. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 583811.	1.4	18
347	Innate and Adaptive Immune Correlates of Chronic and Self-limiting EBV DNAemia in Solid-organ Transplant Recipients. <i>Transplantation</i> , 2020, 104, 2373-2382.	0.5	3
348	Immune phenotyping of diverse syngeneic murine brain tumors identifies immunologically distinct types. <i>Nature Communications</i> , 2020, 11, 3912.	5.8	81
349	Bacterial mock communities as standards for reproducible cytometric microbiome analysis. <i>Nature Protocols</i> , 2020, 15, 2788-2812.	5.5	26
350	Network Approaches for Dissecting the Immune System. <i>IScience</i> , 2020, 23, 101354.	1.9	28
351	mRNAs, proteins and the emerging principles of gene expression control. <i>Nature Reviews Genetics</i> , 2020, 21, 630-644.	7.7	576
352	Lanthanide-Based Optical Probes of Biological Systems. <i>Cell Chemical Biology</i> , 2020, 27, 921-936.	2.5	43
353	The status of proteomics as we enter the 2020s: Towards personalised/precision medicine. <i>Analytical Biochemistry</i> , 2022, 644, 113840.	1.1	12
354	High-Sensitivity and High-Speed Single-Particle Inductively Coupled Plasma Spectrometry with the Conical Torch. <i>Analytical Chemistry</i> , 2020, 92, 11786-11794.	3.2	8
355	A robust and interpretable end-to-end deep learning model for cytometry data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21373-21380.	3.3	40
356	Evidence of potent humoral immune activity in COVID-19-infected kidney transplant recipients. <i>American Journal of Transplantation</i> , 2020, 20, 3149-3161.	2.6	54
357	ICP-MS and trace element analysis as tools for better understanding medical conditions. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 133, 116094.	5.8	37
358	Integration of Online Omics-Data Resources for Cancer Research. <i>Frontiers in Genetics</i> , 2020, 11, 578345.	1.1	50
359	Multiplexed Probing of Proteolytic Enzymes Using Mass Cytometry-Compatible Activity-Based Probes. <i>Journal of the American Chemical Society</i> , 2020, 142, 16704-16715.	6.6	27

#	ARTICLE	IF	CITATIONS
360	Genomic, proteomic, and systems biology approaches in biomarker discovery for multiple sclerosis. <i>Cellular Immunology</i> , 2020, 358, 104219.	1.4	12
361	Model-based clustering for flow and mass cytometry data with clinical information. <i>BMC Bioinformatics</i> , 2020, 21, 393.	1.2	5
362	Heterogenous Internalization of Nanoparticles at Ultra-Trace Concentration in Environmental Individual Unicellular Organisms Unveiled by Single-Cell Mass Cytometry. <i>ACS Nano</i> , 2020, 14, 12828-12839.	7.3	18
363	Single-cell analysis by use of ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1784-1813.	1.6	46
364	Single Cell Detection of the p53 Protein by Mass Cytometry. <i>Cancers</i> , 2020, 12, 3699.	1.7	3
365	Experimental and computational technologies to dissect the kidney at the single-cell level. <i>Nephrology Dialysis Transplantation</i> , 2022, 37, 628-637.	0.4	6
366	Cellular and molecular mechanisms of IMMunE dysfunction and Recovery from SEpsis-related critical illness in adults: An observational cohort study (IMMERSE) protocol paper. <i>Journal of the Intensive Care Society</i> , 2022, 23, 318-324.	1.1	5
367	Single cell analysis reveals distinct immune landscapes in transplant and primary sarcomas that determine response or resistance to immunotherapy. <i>Nature Communications</i> , 2020, 11, 6410.	5.8	66
368	The identification and functional analysis of CD8+PD-1+CD161+ T cells in hepatocellular carcinoma. <i>Npj Precision Oncology</i> , 2020, 4, 28.	2.3	19
369	The up-to-date strategies for the isolation and manipulation of single cells. <i>Talanta</i> , 2020, 218, 121147.	2.9	19
370	The Society for Immunotherapy of Cancer statement on best practices for multiplex immunohistochemistry (IHC) and immunofluorescence (IF) staining and validation. , 2020, 8, e000155.		140
371	Metal-Assisted Protein Quantitation (MAPq): Multiplex Analysis of Protein Expression Using Lanthanide-Modified Antibodies with Detection by Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 7556-7564.	3.2	5
372	Inflammatory Bowel Disease Through the Lens of Single-cell RNA-seq Technologies. <i>Inflammatory Bowel Diseases</i> , 2020, 26, 1658-1668.	0.9	27
373	Vector Copy Distribution at a Single-Cell Level Enhances Analytical Characterization of Gene-Modified Cell Therapies. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 17, 944-956.	1.8	15
374	Improved mouse models and advanced genetic and genomic technologies for the study of neutrophils. <i>Drug Discovery Today</i> , 2020, 25, 1013-1025.	3.2	4
375	Electrochemiluminescence Imaging for the Morphological and Quantitative Analysis of Living Cells under External Stimulation. <i>Analytical Chemistry</i> , 2020, 92, 8278-8284.	3.2	42
376	Parallel evolution of polymer chemistry and immunology: Integrating mechanistic biology with materials design. <i>Advanced Drug Delivery Reviews</i> , 2020, 156, 65-79.	6.6	15
377	Approaching complexity: systems biology and ms-based techniques to address immune signaling. <i>Expert Review of Proteomics</i> , 2020, 17, 341-354.	1.3	2

#	ARTICLE	IF	CITATIONS
378	T cell subsets and functions in atherosclerosis. <i>Nature Reviews Cardiology</i> , 2020, 17, 387-401.	6.1	379
379	Preface: More than two decades of modern tumor immunology. <i>Methods in Enzymology</i> , 2020, 635, xix-xxxviii.	0.4	0
380	Next-Generation Neuroimmunology: New Technologies to Understand Central Nervous System Autoimmunity. <i>Trends in Immunology</i> , 2020, 41, 341-354.	2.9	14
381	Single-Cell Approaches to Profile the Response to Immune Checkpoint Inhibitors. <i>Frontiers in Immunology</i> , 2020, 11, 490.	2.2	38
382	Single-Cell Analysis of Foot-and-Mouth Disease Virus. <i>Frontiers in Microbiology</i> , 2020, 11, 361.	1.5	5
383	Preface: More than two decades of modern tumor immunology. <i>Methods in Enzymology</i> , 2020, 636, xvii-xxxvi.	0.4	0
384	Automatic identification of relevant genes from low-dimensional embeddings of single-cell RNA-seq data. <i>Bioinformatics</i> , 2020, 36, 4291-4295.	1.8	7
385	Inertial-Force-Assisted, High-Throughput, Droplet-Free, Single-Cell Sampling Coupled with ICP-MS for Real-Time Cell Analysis. <i>Analytical Chemistry</i> , 2020, 92, 6604-6612.	3.2	36
386	Tantalum Oxide Nanoparticle-Based Mass Tag for Mass Cytometry. <i>Analytical Chemistry</i> , 2020, 92, 5741-5749.	3.2	19
387	National Cancer Institute Think-Tank Meeting Report on Proteomic Cartography and Biomarkers at the Single-Cell Level: Interrogation of Premalignant Lesions. <i>Journal of Proteome Research</i> , 2020, 19, 1900-1912.	1.8	8
388	Cell-Mediated Immune Responses to in vivo-Expressed and Stage-Specific Mycobacterium tuberculosis Antigens in Latent and Active Tuberculosis Across Different Age Groups. <i>Frontiers in Immunology</i> , 2020, 11, 103.	2.2	21
389	The Use of Single Cell Mass Cytometry to Define the Molecular Mechanisms of Varicella-Zoster Virus Lymphotropism. <i>Frontiers in Microbiology</i> , 2020, 11, 1224.	1.5	1
390	The history and advances in cancer immunotherapy: understanding the characteristics of tumor-infiltrating immune cells and their therapeutic implications. <i>Cellular and Molecular Immunology</i> , 2020, 17, 807-821.	4.8	1,136
391	Comparative study of prostate cancer biophysical and migratory characteristics via iterative mechano-electrical properties (iMEP) and standard migration assays. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128522.	4.0	4
392	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.	1.4	7
393	Medical Treatment of Lung Cancer: Can Immune Cells Predict the Response? A Systematic Review. <i>Frontiers in Immunology</i> , 2020, 11, 1036.	2.2	10
394	Breathing fresh air into respiratory research with single-cell RNA sequencing. <i>European Respiratory Review</i> , 2020, 29, 200060.	3.0	11
395	Mass cytometry and type 1 diabetes research in the age of single-cell data science. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2020, 27, 231-239.	1.2	6

#	ARTICLE	IF	CITATIONS
396	Recent advances in single extracellular vesicle detection methods. <i>Biosensors and Bioelectronics</i> , 2020, 154, 112056.	5.3	56
397	Single-cell analysis targeting the proteome. <i>Nature Reviews Chemistry</i> , 2020, 4, 143-158.	13.8	157
398	Cell-type-specific signaling networks in heterocellular organoids. <i>Nature Methods</i> , 2020, 17, 335-342.	9.0	75
399	Translating Cancer Molecular Variability into Personalized Information Using Bulk and Single Cell Approaches. <i>Proteomics</i> , 2020, 20, 1900227.	1.3	7
400	Convergence of pathway analysis and pattern recognition predicts sensitization to latest generation TRAIL therapeutics by IAP antagonism. <i>Cell Death and Differentiation</i> , 2020, 27, 2417-2432.	5.0	14
401	Learning Pathway Dynamics from Single-Cell Proteomic Data: A Comparative Study. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 241-252.	1.1	3
402	Development of microfluidic platform capable of high-throughput absolute quantification of single-cell multiple intracellular proteins from tumor cell lines and patient tumor samples. <i>Biosensors and Bioelectronics</i> , 2020, 155, 112097.	5.3	17
403	Preface: More than two decades of modern tumor immunology. <i>Methods in Enzymology</i> , 2020, 631, xxiii-xlii.	0.4	1
404	PARC: ultrafast and accurate clustering of phenotypic data of millions of single cells. <i>Bioinformatics</i> , 2020, 36, 2778-2786.	1.8	75
405	Stabilized Reconstruction of Signaling Networks from Single-Cell Cue-Response Data. <i>Scientific Reports</i> , 2020, 10, 1233.	1.6	1
406	Preface: More than two decades of modern tumor immunology. <i>Methods in Enzymology</i> , 2020, 632, xxiii-xlii.	0.4	0
407	Unravelling the heterogeneity and dynamic relationships of tumor-infiltrating T cells by single-cell RNA sequencing analysis. <i>Journal of Leukocyte Biology</i> , 2020, 107, 917-932.	1.5	21
408	Metalloproteomics in conjunction with other omics for uncovering the mechanism of action of metallo drugs: Mechanism-driven new therapy development. <i>Current Opinion in Chemical Biology</i> , 2020, 55, 171-179.	2.8	43
409	Intratumor Heterogeneity: The Rosetta Stone of Therapy Resistance. <i>Cancer Cell</i> , 2020, 37, 471-484.	7.7	485
410	Recent advances in single-cell ultra-trace analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 127, 115886.	5.8	26
411	Toward High-Dimensional Single-Cell Analysis of Graphene Oxide Biological Impact: Tracking on Immune Cells by Single-Cell Mass Cytometry. <i>Small</i> , 2020, 16, 2000123.	5.2	10
412	Understanding generation and regeneration of pancreatic β^2 cells from a single-cell perspective. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	15
413	Circulating Tumor Cells in Breast Cancer Metastatic Disease. <i>Advances in Experimental Medicine and Biology</i> , 2020, , .	0.8	2

#	ARTICLE	IF	CITATIONS
415	Brick plots: an intuitive platform for visualizing multiparametric immunophenotyped cell clusters. BMC Bioinformatics, 2020, 21, 145.	1.2	4
416	Metalloproteomic Approaches for Matching Metals to Proteins: The Power of Inductively Coupled Plasma Mass Spectrometry (ICP-MS). Chemistry Letters, 2020, 49, 697-704.	0.7	13
417	Hydrodynamic Snaring Array for Trapping and Perfusion Culture of Single Cell. Sensors and Actuators B: Chemical, 2020, 312, 127966.	4.0	3
418	Single-cell proteomic analysis. WIREs Mechanisms of Disease, 2021, 13, e1503.	1.5	14
419	A guide to measuring phagosomal dynamics. FEBS Journal, 2021, 288, 1412-1433.	2.2	9
420	Genomic profile and immune contexture in colorectal cancer—relevance for prognosis and immunotherapy. Clinical and Experimental Medicine, 2021, 21, 195-204.	1.9	5
421	High-throughput screening for high-efficiency small-molecule biosynthesis. Metabolic Engineering, 2021, 63, 102-125.	3.6	24
422	Multi-Dimensional Organic Mass Cytometry: Simultaneous Analysis of Proteins and Metabolites on Single Cells. Angewandte Chemie, 2021, 133, 1834-1840.	1.6	4
423	Multi-Dimensional Organic Mass Cytometry: Simultaneous Analysis of Proteins and Metabolites on Single Cells. Angewandte Chemie - International Edition, 2021, 60, 1806-1812.	7.2	58
424	Maternal obesity is associated with phenotypic alterations in fetal immune cells by single-cell mass cytometry. American Journal of Reproductive Immunology, 2021, 85, e13358.	1.2	5
425	Applying high-dimensional single-cell technologies to the analysis of cancer immunotherapy. Nature Reviews Clinical Oncology, 2021, 18, 244-256.	12.5	138
427	Mass Cytometry Tags: Where Chemistry Meets Single-Cell Analysis. Analytical Chemistry, 2021, 93, 657-664.	3.2	17
428	Blueprint for cancer research: Critical gaps and opportunities. Ca-A Cancer Journal for Clinicians, 2021, 71, 107-139.	157.7	47
429	Systems biology in cardiovascular disease: a multiomics approach. Nature Reviews Cardiology, 2021, 18, 313-330.	6.1	134
430	The prospects of tumor chemosensitivity testing at the single-cell level. Drug Resistance Updates, 2021, 54, 100741.	6.5	4
431	From Bedside to Bench: Methods in Precision Medicine. , 2021, , 289-307.		0
432	A Review of Proteomics Strategies to Study T-Cell Activation and Function in Cancer Disease. Methods in Molecular Biology, 2021, 2325, 125-136.	0.4	3
433	Spatial proteomics for understanding the tissue microenvironment. Analyst, The, 2021, 146, 3777-3798.	1.7	21

#	ARTICLE	IF	CITATIONS
435	Deciphering Tumor Heterogeneity in Hepatocellular Carcinoma (HCC)â€”Multi-Omic and Singulomic Approaches. <i>Seminars in Liver Disease</i> , 2021, 41, 009-018.	1.8	13
436	The Role of Mass Cytometry in Early Detection, Diagnosis, and Treatment of Head and Neck Cancer. , 2021, , 121-136.		0
437	Potentiality of multiple modalities for single-cell analyses to evaluate the tumor microenvironment in clinical specimens. <i>Scientific Reports</i> , 2021, 11, 341.	1.6	17
438	Imaging Mass Spectrometry. , 2021, , 303-323.		0
439	Microglial deletion and inhibition alleviate behavior of post-traumatic stress disorder in mice. <i>Journal of Neuroinflammation</i> , 2021, 18, 7.	3.1	56
440	Development and validation of a highâ€”parameter mass cytometry workflow to decipher immunomodulatory changes in celiac disease. <i>Cytometry Part B - Clinical Cytometry</i> , 2021, 100, 92-102.	0.7	7
441	Memory CD8+ Tâ€”cell heterogeneity is primarily driven by pathogen-specific cues and additionally shaped by the tissue environment. <i>IScience</i> , 2021, 24, 101954.	1.9	7
443	The Past, Present and Future of Flow Cytometry in Central Nervous System Malignancies. <i>Methods and Protocols</i> , 2021, 4, 11.	0.9	25
444	Systematic Study of Immune Cell Diversity in ischemic postconditioning Using High-Dimensional Single-Cell Analysis with Mass Cytometry. , 2021, 12, 812.		3
445	SCA-1 micro-heterogeneity in the fate decision of dystrophic fibro/adipogenic progenitors. <i>Cell Death and Disease</i> , 2021, 12, 122.	2.7	21
446	Mobile Microrobots for <i>In Vitro</i> Biomedical Applications: A Survey. <i>IEEE Transactions on Robotics</i> , 2022, 38, 646-663.	7.3	23
447	An Introduction to Single-Cell RNA-Seq Analysis and its Applications. , 2021, , 116-128.		0
448	Acute Lymph Node Slices Are a Functional Model System to Study Immunity Ex Vivo. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 128-142.	2.5	20
449	Comparative analysis of assays to measure CAR T-cell-mediated cytotoxicity. <i>Nature Protocols</i> , 2021, 16, 1331-1342.	5.5	48
450	Immune Profiling of Syngeneic Murine and Patient GBMs for Effective Translation of Immunotherapies. <i>Cells</i> , 2021, 10, 491.	1.8	5
451	Single-Cell Profiling to Explore Immunological Heterogeneity of Tumor Microenvironment in Breast Cancer. <i>Frontiers in Immunology</i> , 2021, 12, 643692.	2.2	24
452	Air pollution exposure is linked with methylation of immunoregulatory genes, altered immune cell profiles, and increased blood pressure in children. <i>Scientific Reports</i> , 2021, 11, 4067.	1.6	46
453	Characteristic pancreatic and splenic immune cell infiltration patterns in mouse acute pancreatitis. <i>Cell and Bioscience</i> , 2021, 11, 28.	2.1	6

#	ARTICLE	IF	CITATIONS
454	Skeletal Muscle Subpopulation Rearrangements upon Rhabdomyosarcoma Development through Single-Cell Mass Cytometry. <i>Journal of Clinical Medicine</i> , 2021, 10, 823.	1.0	4
455	Current and Future Perspectives of PD-1/PDL-1 Blockade in Cancer Immunotherapy. <i>Journal of Immunology Research</i> , 2021, 2021, 1-15.	0.9	77
457	A Palette of Cytokines to Measure Anti-Tumor Efficacy of T Cell-Based Therapeutics. <i>Cancers</i> , 2021, 13, 821.	1.7	20
458	Alternative methods of viability determination in single cell mass cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021, 99, 1042-1053.	1.1	7
459	Phenotypic Characterization by Mass Cytometry of the Microenvironment in Ovarian Cancer and Impact of Tumor Dissociation Methods. <i>Cancers</i> , 2021, 13, 755.	1.7	6
460	Characterizing Highly Cited Papers in Mass Cytometry through H-Classics. <i>Biology</i> , 2021, 10, 104.	1.3	6
461	Unsupervised Flow Cytometry Analysis Allows for an Accurate Identification of Minimal Residual Disease Assessment in Acute Myeloid Leukemia. <i>Cancers</i> , 2021, 13, 629.	1.7	23
463	High Throughput Multi-Omics Approaches for Clinical Trial Evaluation and Drug Discovery. <i>Frontiers in Immunology</i> , 2021, 12, 590742.	2.2	32
465	CytoTree: an R/Bioconductor package for analysis and visualization of flow and mass cytometry data. <i>BMC Bioinformatics</i> , 2021, 22, 138.	1.2	18
466	Dwellers and Trespassers: Mononuclear Phagocytes at the Borders of the Central Nervous System. <i>Frontiers in Immunology</i> , 2020, 11, 609921.	2.2	26
468	Macrophage phenotypes in tissue repair and the foreign body response: Implications for biomaterial-based regenerative medicine strategies. <i>Acta Biomaterialia</i> , 2021, 133, 4-16.	4.1	146
469	A droplet-based microfluidic flow cytometry enabling absolute quantification of single-cell proteins leveraging constriction channel. <i>Microfluidics and Nanofluidics</i> , 2021, 25, 1.	1.0	10
472	Resolving trained immunity with systems biology. <i>European Journal of Immunology</i> , 2021, 51, 773-784.	1.6	8
473	Mass spectrometry techniques for imaging and detection of metallodrugs. <i>Current Opinion in Chemical Biology</i> , 2021, 61, 123-134.	2.8	28
474	Measuring single-cell protein secretion in immunology: Technologies, advances, and applications. <i>European Journal of Immunology</i> , 2021, 51, 1334-1347.	1.6	21
475	The quest to develop an effective therapy for neuroblastoma. <i>Journal of Cellular Physiology</i> , 2021, 236, 7775-7791.	2.0	12
476	Single-cell characterization of a model of poly I:C-stimulated peripheral blood mononuclear cells in severe asthma. <i>Respiratory Research</i> , 2021, 22, 122.	1.4	8
477	CyTOF: An Emerging Technology for Single-Cell Proteomics in the Mouse. <i>Current Protocols</i> , 2021, 1, e118.	1.3	25

#	ARTICLE	IF	CITATIONS
479	Combining Mass Spectrometry-Based Phosphoproteomics with a Network-Based Approach to Reveal FLT3-Dependent Mechanisms of Chemoresistance. <i>Proteomes</i> , 2021, 9, 19.	1.7	4
480	Immunometabolism the CyTOF way. <i>Immunity</i> , 2021, 54, 610-613.	6.6	6
481	Single-cell analysis by mass cytometry reveals metabolic states of early-activated CD8+ T cells during the primary immune response. <i>Immunity</i> , 2021, 54, 829-844.e5.	6.6	68
482	Single-Cell Profiling of Kidney Transplant Recipients With Immunosuppressive Treatment Reveals the Dynamic Immune Characteristics. <i>Frontiers in Immunology</i> , 2021, 12, 639942.	2.2	11
483	A combination of ssGSEA and mass cytometry identifies immune microenvironment in muscle-invasive bladder cancer. <i>Journal of Clinical Laboratory Analysis</i> , 2021, 35, e23754.	0.9	9
484	Interfacing Biomaterials with Synthetic T Cell Immunity. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100157.	3.9	4
485	A global live cell barcoding approach for multiplexed mass cytometry profiling of mouse tumors. <i>JCI Insight</i> , 2021, 6, .	2.3	8
486	Monitoring T Cells Responses Mounted by Therapeutic Cancer Vaccines. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 623475.	1.6	6
488	Tools and Methods for Investigating Synthetic Metal-Catalyzed Reactions in Living Cells. <i>ACS Catalysis</i> , 2021, 11, 5148-5165.	5.5	26
489	ICPMS based multiplexed bioassay: Principles, approaches and progresses. <i>Applied Spectroscopy Reviews</i> , 2023, 58, 39-64.	3.4	7
490	Multimodally profiling memory T cells from a tuberculosis cohort identifies cell state associations with demographics, environment and disease. <i>Nature Immunology</i> , 2021, 22, 781-793.	7.0	52
491	AutoSpill is a principled framework that simplifies the analysis of multichromatic flow cytometry data. <i>Nature Communications</i> , 2021, 12, 2890.	5.8	26
492	Single Cell Technologies: Beyond Microfluidics. <i>Kidney360</i> , 2021, 2, 1196-1204.	0.9	10
493	Utilizing graph machine learning within drug discovery and development. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	90
494	Macrophage Plasticity and Atherosclerosis Therapy. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 679797.	1.6	85
495	Targeting CD123 in hematologic malignancies: identifying suitable patients for targeted therapy. <i>Leukemia and Lymphoma</i> , 2021, 62, 2568-2586.	0.6	10
496	Food Allergies. <i>Immunology and Allergy Clinics of North America</i> , 2021, 41, 143-163.	0.7	1
497	Control of Metal Content in Polystyrene Microbeads Prepared with Metal Complexes of DTPA Derivatives. <i>Chemistry of Materials</i> , 2021, 33, 3802-3813.	3.2	4

#	ARTICLE	IF	CITATIONS
498	Making the most of high-dimensional cytometry data. <i>Immunology and Cell Biology</i> , 2021, 99, 680-696.	1.0	12
499	Protocol for Creating Antibodies with Complex Fluorescence Spectra. <i>Bioconjugate Chemistry</i> , 2021, 32, 1156-1166.	1.8	2
500	Mass spectrometry-based strategies for single-cell metabolomics. <i>Mass Spectrometry Reviews</i> , 2023, 42, 67-94.	2.8	27
501	New applications of advanced instrumental techniques for the characterization of food allergenic proteins. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 8686-8702.	5.4	9
503	Applications of Single-Cell Omics in Tumor Immunology. <i>Frontiers in Immunology</i> , 2021, 12, 697412.	2.2	21
504	Understanding the role of the gut in undernutrition: what can technology tell us?. <i>Gut</i> , 2021, 70, 1580-1594.	6.1	12
505	Predictive Markers of Immunogenicity and Efficacy for Human Vaccines. <i>Vaccines</i> , 2021, 9, 579.	2.1	25
506	Cytokines: From Clinical Significance to Quantification. <i>Advanced Science</i> , 2021, 8, e2004433.	5.6	216
507	Mass Cytometry, Imaging Mass Cytometry, and Multiplexed Ion Beam Imaging Use in a Clinical Setting. <i>Clinics in Laboratory Medicine</i> , 2021, 41, 297-308.	0.7	14
508	Analyzing high-dimensional cytometry data using FlowSOM. <i>Nature Protocols</i> , 2021, 16, 3775-3801.	5.5	79
509	Multiplexed live-cell profiling with Raman probes. <i>Nature Communications</i> , 2021, 12, 3405.	5.8	42
510	Single-cell multi-omics sequencing: application trends, COVID-19, data analysis issues and prospects. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	14
511	A Silica Coating Approach to Enhance Bioconjugation on Metal-Encoded Polystyrene Microbeads for Bead-Based Assays in Mass Cytometry. <i>Langmuir</i> , 2021, 37, 8240-8252.	1.6	4
512	Two-Dimensional Cytometry Platform for Single-Particle/Cell Analysis with Laser-Induced Fluorescence and ICP-MS. <i>Analytical Chemistry</i> , 2021, 93, 8203-8209.	3.2	18
513	Breast cancer heterogeneity through the lens of single-cell analysis and spatial pathologies. <i>Seminars in Cancer Biology</i> , 2022, 82, 3-10.	4.3	23
514	GdClean: removal of Gadolinium contamination in mass cytometry data. <i>Bioinformatics</i> , 2021, 37, 4787-4792.	1.8	2
515	Discriminating Leukemia Cellular Heterogeneity and Screening Metabolite Biomarker Candidates using Label-Free Mass Cytometry. <i>Analytical Chemistry</i> , 2021, 93, 10282-10291.	3.2	15
516	Lateral dimension and amino-functionalization on the balance to assess the single-cell toxicity of graphene on fifteen immune cell types. <i>NanoImpact</i> , 2021, 23, 100330.	2.4	8

#	ARTICLE	IF	CITATIONS
517	Large-Section Histopathology Can Better Indicate the Immune Microenvironment and Predict the Prognosis of Pancreatic Ductal Adenocarcinoma Than Small-Section Histopathology. <i>Frontiers in Oncology</i> , 2021, 11, 694933.	1.3	1
518	Immune cell profiling in atherosclerosis: role in research and precision medicine. <i>Nature Reviews Cardiology</i> , 2022, 19, 43-58.	6.1	58
519	Single-cell proteomics: A treasure trove in neurobiology. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2021, 1869, 140658.	1.1	12
520	Adjacent Cell Marker Lateral Spillover Compensation and Reinforcement for Multiplexed Images. <i>Frontiers in Immunology</i> , 2021, 12, 652631.	2.2	28
521	<i>In Situ</i> Single Cell Proteomics Reveals Circulating Tumor Cell Heterogeneity during Treatment. <i>ACS Nano</i> , 2021, 15, 11231-11243.	7.3	47
522	HLA-DR cancer cells expression correlates with T cell infiltration and is enriched in lung adenocarcinoma with indolent behavior. <i>Scientific Reports</i> , 2021, 11, 14424.	1.6	10
523	Patterns of Cell Phenotypes in Rheumatic Diseases From Single-Cell Studies of Tissue. <i>ACR Open Rheumatology</i> , 2021, 3, 601-613.	0.9	8
524	Single-cell and spatial analyses of cancer cells: toward elucidating the molecular mechanisms of clonal evolution and drug resistance acquisition. <i>Inflammation and Regeneration</i> , 2021, 41, 22.	1.5	21
525	SCITO-seq: single-cell combinatorial indexed cytometry sequencing. <i>Nature Methods</i> , 2021, 18, 903-911.	9.0	28
526	SCD1, autophagy and cancer: implications for therapy. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 265.	3.5	57
527	A proteogenomic portrait of lung squamous cell carcinoma. <i>Cell</i> , 2021, 184, 4348-4371.e40.	13.5	170
528	Immunocartography: Charting vaccine-driven immunity by applying single cell proteomics to an in vitro human model. <i>Journal of Immunological Methods</i> , 2021, 495, 113083.	0.6	1
529	Circulating Tumor Cells (CTCs): A Unique Model of Cancer Metastases and Non-invasive Biomarkers of Therapeutic Response. <i>Frontiers in Genetics</i> , 2021, 12, 734595.	1.1	24
530	Peripheral Blood-Based Biomarkers for Immune Checkpoint Inhibitors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9414.	1.8	46
531	Virus Infection Variability by Single-Cell Profiling. <i>Viruses</i> , 2021, 13, 1568.	1.5	26
532	The Evolution of Single-Cell Analysis and Utility in Drug Development. <i>AAPS Journal</i> , 2021, 23, 98.	2.2	7
533	Single cell analyses to understand the immune continuum in atherosclerosis. <i>Atherosclerosis</i> , 2021, 330, 85-94.	0.4	18
534	Unsupervised machine learning reveals key immune cell subsets in COVID-19, rhinovirus infection, and cancer therapy. <i>ELife</i> , 2021, 10, .	2.8	16

#	ARTICLE	IF	CITATIONS
535	CytoSet. , 2021, , .		4
536	Towards high throughput and high information coverage: advanced single-cell mass spectrometric techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 219-233.	1.9	10
537	Technological advances in cancer immunity: from immunogenomics to single-cell analysis and artificial intelligence. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 312.	7.1	50
538	New concepts on immunology of Multiple Sclerosis. <i>Presse Medicale</i> , 2021, 50, 104072.	0.8	1
539	Towards a Systems Immunology Approach to Understanding Correlates of Protective Immunity against HCV. <i>Viruses</i> , 2021, 13, 1871.	1.5	5
540	Personalized models of heterogeneous 3D epithelial tumor microenvironments: Ovarian cancer as a model. <i>Acta Biomaterialia</i> , 2021, 132, 401-420.	4.1	9
541	Multiplexed single-cell analysis of organoid signaling networks. <i>Nature Protocols</i> , 2021, 16, 4897-4918.	5.5	23
542	The Mesangial cell – the glomerular stromal cell. <i>Nature Reviews Nephrology</i> , 2021, 17, 855-864.	4.1	50
544	Profiles of Cytokines Secreted by ARPE-19 Cells Exposed to Light and Incubated with Anti-VEGF Antibody. <i>Biomedicines</i> , 2021, 9, 1333.	1.4	3
545	Multiscale Biology of Cardiovascular Risk in Psoriasis: Protocol for a Case-Control Study. <i>JMIR Research Protocols</i> , 2021, 10, e28669.	0.5	7
546	Automated assignment of cell identity from single-cell multiplexed imaging and proteomic data. <i>Cell Systems</i> , 2021, 12, 1173-1186.e5.	2.9	29
547	The Role of Somatic Mutations on the Immune Response of the Tumor Microenvironment in Prostate Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9550.	1.8	15
549	Targeting HER2 protein in individual cells using ICP-MS detection and its potential as prognostic and predictive breast cancer biomarker. <i>Talanta</i> , 2021, 235, 122773.	2.9	10
550	Cancer as a tool for preclinical psychoneuroimmunology. <i>Brain, Behavior, & Immunity - Health</i> , 2021, 18, 100351.	1.3	5
552	Single Cell Mass Spectrometry With a Robotic Micromanipulation System for Cell Metabolite Analysis. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 325-333.	2.5	7
553	Stromal Cell-Mediated Coordination of Immune Cell Recruitment, Retention, and Function in Brain-Adjacent Regions. <i>Journal of Immunology</i> , 2021, 206, 282-291.	0.4	11
554	Label-Free Resistance Cytometry at the Orifice of a Nanopipette. <i>Analytical Chemistry</i> , 2021, 93, 2942-2949.	3.2	14
555	Full Spectrum Flow Cytometry as a Powerful Technology for Cancer Immunotherapy Research. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 612801.	1.6	52

#	ARTICLE	IF	CITATIONS
556	Using single-cell cytometry to illustrate integrated multi-perspective evaluation of clustering algorithms using Pareto fronts. <i>Bioinformatics</i> , 2021, 37, 1972-1981.	1.8	2
557	Atomic mass tag of bismuth for increasing the immunoassay multiplexing capacity of mass cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 1150-1163.	1.1	37
558	Microproteomics with microfluidic-based cell sorting: Application to 1000 and 100 immune cells. <i>Proteomics</i> , 2017, 17, 1600420.	1.3	30
559	Visualizing Mitochondrial Ribosomal RNA and Mitochondrial Protein Synthesis in Human Cell Lines. <i>Methods in Molecular Biology</i> , 2021, 2192, 159-181.	0.4	6
560	Phenotyping Multiple Subsets of Immune Cells In Situ in FFPE Tissue Sections: An Overview of Methodologies. <i>Methods in Molecular Biology</i> , 2017, 1546, 75-99.	0.4	6
561	High-Dimensional Immunophenotyping with Fluorescence-Based Cytometry: A Practical Guidebook. <i>Methods in Molecular Biology</i> , 2019, 2032, 1-29.	0.4	27
562	Immunophenotyping by Mass Cytometry. <i>Methods in Molecular Biology</i> , 2019, 2032, 31-51.	0.4	18
563	Multiplexed Immunohistochemical Consecutive Staining on Single Slide (MICSSS): Multiplexed Chromogenic IHC Assay for High-Dimensional Tissue Analysis. <i>Methods in Molecular Biology</i> , 2020, 2055, 497-519.	0.4	35
564	Advances in the Characterization of Circulating Tumor Cells in Metastatic Breast Cancer: Single Cell Analyses and Interactions, and Patient-Derived Models for Drug Testing. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1220, 61-80.	0.8	10
565	Advances in Diagnostic Procedures and Their Applications in the Era of Cancer Immunotherapy. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1244, 37-50.	0.8	2
566	Methods to quantify biological contaminants in microalgae cultures. <i>Algal Research</i> , 2020, 49, 101943.	2.4	42
567	Cell Atlas technologies and insights into tissue architecture. <i>Biochemical Journal</i> , 2020, 477, 1427-1442.	1.7	32
568	Tumor-infiltrating dendritic cell states are conserved across solid human cancers. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	113
569	Computational modelling in single-cell cancer genomics: methods and future directions. <i>Physical Biology</i> , 2020, 17, 061001.	0.8	2
591	Label-free cell-cycle analysis by high-throughput quantitative phase time-stretch imaging flow cytometry. , 2018, , .		3
592	Lymphocyte mass cytometry identifies a CD3-CD4+ cells subset with a potential role in psoriasis. <i>JCI Insight</i> , 2019, 4, .	2.3	10
593	Cytometry TOF identifies alveolar macrophage subtypes in acute respiratory distress syndrome. <i>JCI Insight</i> , 2018, 3, .	2.3	37
594	Innate and adaptive nasal mucosal immune responses following experimental human pneumococcal colonization. <i>Journal of Clinical Investigation</i> , 2019, 129, 4523-4538.	3.9	34

#	ARTICLE	IF	CITATIONS
595	Recent advances in tissue imaging for cancer research. F1000Research, 2019, 8, 1980.	0.8	16
596	An R-based reproducible and user-friendly preprocessing pipeline for CyTOF data. F1000Research, 0, 9, 1263.	0.8	25
597	Current status and future prospects for enabling chemistry technology in the drug discovery process. F1000Research, 2016, 5, 2426.	0.8	6
598	Dissecting Cellular Heterogeneity Using Single-Cell RNA Sequencing. Molecules and Cells, 2019, 42, 189-199.	1.0	45
599	Emerging approaches to study cell-cell interactions in tumor microenvironment. Oncotarget, 2019, 10, 785-797.	0.8	51
600	Insights into the immuno-pathogenesis of acute respiratory distress syndrome. Annals of Translational Medicine, 2019, 7, 504-504.	0.7	83
602	Advances of Single-Cell Protein Analysis. Cells, 2020, 9, 1271.	1.8	27
603	Multiparametric analysis of colorectal cancer immune responses. World Journal of Gastroenterology, 2018, 24, 2995-3005.	1.4	16
604	UNITED IMMUNOLOGICAL FORUM: CURRENT TRENDS IN THE DEVELOPMENT OF FUNDAMENTAL AND APPLIED ONCOIMMUNOLOGY (NOVOSIBIRSK, 2019). South Russian Journal of Cancer, 2020, 1, 36-45.	0.1	6
605	High-Dimensional Characterization of IL-10 Production and IL-10-Dependent Regulation during Primary Cytomegalovirus Infection. ImmunoHorizons, 2019, 3, 94-109.	0.8	7
606	The Future of Undergraduate Immunology Education: Can a Comprehensive Four-Year Immunology Curriculum Answer Calls for Reform in Undergraduate Biology Education?. ImmunoHorizons, 2020, 4, 745-753.	0.8	8
607	Unsupervised machine learning reveals risk stratifying glioblastoma tumor cells. ELife, 2020, 9, .	2.8	21
608	SCANCell reveals diverse inter-cluster interaction patterns in systemic lupus erythematosus across the disease spectrum. Bioinformatics, 2022, 38, 1361-1368.	1.8	1
610	Cell and type heterogeneity of signaling networks: insights from the crowd. Molecular Systems Biology, 2021, 17, e10402.	3.2	9
611	Single-Cell Multiomics Analysis for Drug Discovery. Metabolites, 2021, 11, 729.	1.3	15
612	Multiplexed Single-Cell Plasmonic Immunoassay of Intracellular Signaling Proteins Enables Non-Destructive Monitoring of Cell Fate. Analytical Chemistry, 2021, 93, 14204-14213.	3.2	8
613	Multiplex protein analysis for the study of glaucoma. Expert Review of Proteomics, 2021, 18, 911-924.	1.3	2
614	Crosstalk Between the Tumor Microenvironment and Cancer Cells: A Promising Predictive Biomarker for Immune Checkpoint Inhibitors. Frontiers in Cell and Developmental Biology, 2021, 9, 738373.	1.8	15

#	ARTICLE	IF	CITATIONS
615	The promise of organoids for unraveling the proteomic landscape of the developing human brain. <i>Molecular Psychiatry</i> , 2022, 27, 73-80.	4.1	7
616	A Multi-Modal Toolkit for Studying Neutrophils in Cancer and Beyond. <i>Cancers</i> , 2021, 13, 5331.	1.7	4
617	Fibroblast pathology in inflammatory diseases. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	65
618	Optical Imaging: How Far Can We Go. , 2017, , 127-150.		0
619	Advances in high-dimensional mass cytometry cell and tissue analyses for translational biomarker discovery. <i>Integrative Cancer Science and Therapeutics</i> , 2017, 4, .	0.1	0
621	Single Cell Technologies. <i>Materials and Methods</i> , 0, 7, .	0.0	0
624	Comprehensive Immune Monitoring of Clinical Trials to Advance Human Immunotherapy. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
635	RPPAs for Cell Subpopulation Analysis. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1188, 227-237.	0.8	0
639	Biopsia liquida: una review. <i>Rivista Italiana Della Medicina Di Laboratorio</i> , 2019, 15, .	0.2	0
641	The Drop-screen for Biological Functional Assay. <i>RSC Soft Matter</i> , 2020, , 147-174.	0.2	0
644	Radiation induces iatrogenic immunosuppression by indirectly affecting hematopoiesis in bone marrow. <i>Oncotarget</i> , 2020, 11, 1681-1690.	0.8	7
647	Biochemical Analysis of Secreted Molecules by Individual Cells. , 2022, , 495-517.		0
648	With great power comes great responsibility: high-dimensional spectral flow cytometry to support clinical trials. <i>Bioanalysis</i> , 2021, 13, 1597-1616.	0.6	10
649	SCHNEL: scalable clustering of high dimensional single-cell data. <i>Bioinformatics</i> , 2020, 36, i849-i856.	1.8	4
650	Applications of Antibodies in Therapy, Diagnosis, and Science. <i>Learning Materials in Biosciences</i> , 2021, , 129-159.	0.2	0
651	Biosensors for single-cell proteomic characterization. , 2022, , 7-36.		0
652	Diagnostics and Personalized Medicine. , 2020, , 281-304.		0
653	Biochemical Analysis of Secreted Molecules by Individual Cells. , 2020, , 1-24.		0

#	ARTICLE	IF	CITATIONS
657	Deciphering and Reversing Immunosuppressive Cells in the Treatment of Hepatocellular Carcinoma. <i>Journal of Liver Cancer</i> , 2020, 20, 1-16.	0.3	3
658	Exploration of the personalized immune checkpoint atlas of plasma cell dyscrasias patients using high-dimensional single-cell analysis. <i>Oncology Reports</i> , 2020, 44, 224-240.	1.2	1
660	Oncogene-Induced Reprogramming in Acute Lymphoblastic Leukemia: Towards Targeted Therapy of Leukemia-Initiating Cells. <i>Cancers</i> , 2021, 13, 5511.	1.7	4
662	Mass Cytometry in Hematologic Malignancies: Research Highlights and Potential Clinical Applications. <i>Frontiers in Oncology</i> , 2021, 11, 704464.	1.3	4
663	Measurement methods of single cell drug response. <i>Talanta</i> , 2022, 239, 123035.	2.9	5
665	CYBERTRACK2.0: zero-inflated model-based cell clustering and population tracking method for longitudinal mass cytometry data. <i>Bioinformatics</i> , 2021, 37, 1632-1634.	1.8	1
667	The emerging role of circulating tumor cells in cancer management. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 332-342.	0.0	5
668	Network biology and applications. , 2022, , 381-407.		1
669	Targeting Immune Cells in the Tumor Microenvironment of HCC: New Opportunities and Challenges. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 775462.	1.8	59
670	Spatial mapping of cancer tissues by OMICS technologies. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2022, 1877, 188663.	3.3	4
671	Advanced technologies for single-cell in situ protein profiling. <i>Science China Chemistry</i> , 2022, 65, 48-67.	4.2	8
672	Using Mass Cytometry to Address Tfh and Tfr Heterogeneity. <i>Methods in Molecular Biology</i> , 2022, 2380, 47-57.	0.4	1
673	Identification of T Peripheral Helper (Tph) Cells. <i>Methods in Molecular Biology</i> , 2022, 2380, 59-76.	0.4	10
674	Introducing the Tellurophene-Appended BODIPY: PDT Agent with Mass Cytometry Tracking Capabilities. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1925-1931.	1.3	5
675	Feature selection revisited in the single-cell era. <i>Genome Biology</i> , 2021, 22, 321.	3.8	37
677	Dual-elemental analysis of single particles using quadrupole-based inductively coupled plasma-mass spectrometry. <i>Analytica Chimica Acta</i> , 2022, 1192, 339389.	2.6	13
678	Transcription Elongation Machinery Is a Druggable Dependency and Potentiates Immunotherapy in Glioblastoma Stem Cells. <i>Cancer Discovery</i> , 2022, 12, 502-521.	7.7	29
679	Squidpy: a scalable framework for spatial omics analysis. <i>Nature Methods</i> , 2022, 19, 171-178.	9.0	308

#	ARTICLE	IF	CITATIONS
680	Single-cell immune signature for detecting early-stage HCC and early assessing anti-PD-1 immunotherapy efficacy. , 2022, 10, e003133.		20
681	Mapping Cell Phenomics with Multiparametric Flow Cytometry Assays. Phenomics, 2022, 2, 272-281.	0.9	5
682	Picturing of the Lung Tumor Cellular Composition by Multispectral Flow Cytometry. Frontiers in Immunology, 2022, 13, 827719.	2.2	5
683	Mass Synaptometry: Applying Mass Cytometry to Single Synapse Analysis. Methods in Molecular Biology, 2022, 2417, 69-88.	0.4	4
684	New horizons in the stormy sea of multimodal single-cell data integration. Molecular Cell, 2022, 82, 248-259.	4.5	9
685	Understanding the effect of carrier proteomes in single cell proteomic studies - key lessons. Expert Review of Proteomics, 2022, 19, 5-15.	1.3	6
686	Physical Cytometry: Detecting Mass-Related Properties of Single Cells. ACS Sensors, 2022, 7, 21-36.	4.0	3
687	Subcellular Transcriptomics and Proteomics: A Comparative Methods Review. Molecular and Cellular Proteomics, 2022, 21, 100186.	2.5	23
688	Development of Droplet Microfluidics Enabling Quantitative Measurements of Multiple Proteins at Single-Cell Level. , 2022, , .		0
689	Barcoding of live peripheral blood mononuclear cells to assess immune cell phenotypes using full spectrum flow cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2022, 101, 909-921.	1.1	3
690	Application of super-resolution fluorescence microscopy in hematologic malignancies. Journal of Innovative Optical Health Sciences, 2022, 15, .	0.5	2
691	Immunogenomics: a potential approach for precision medicine. , 2022, , 267-277.		0
692	Antigen-specific T cells. , 2022, , 193-208.		0
693	Single-Cell in Research. Methods in Molecular Biology, 2022, 2419, 765-778.	0.4	4
694	Polymeric dipicolylamine based mass tags for mass cytometry. Chemical Science, 2022, 13, 3233-3243.	3.7	11
695	Multiplex metal-detection based assay (MMDA) for COVID-19 diagnosis and identification of disease severity biomarkers. Chemical Science, 2022, 13, 3216-3226.	3.7	5
696	Multi-Cellular Immunological Interactions Associated With COVID-19 Infections. Frontiers in Immunology, 2022, 13, 794006.	2.2	6
697	Highly sensitive and multiplexed mass spectrometric immunoassay techniques and clinical applications. Analytical and Bioanalytical Chemistry, 2022, 414, 5121-5138.	1.9	5

#	ARTICLE	IF	CITATIONS
698	Biotinylated Lipid-Coated NaLnF ₄ Nanoparticles: Demonstrating the Use of Lanthanide Nanoparticle-Based Reporters in Suspension and Imaging Mass Cytometry. <i>Langmuir</i> , 2022, 38, 2525-2537.	1.6	2
699	Cytofln enables integrated analysis of public mass cytometry datasets using generalized anchors. <i>Nature Communications</i> , 2022, 13, 934.	5.8	8
700	The Challenges and Opportunities of Translational Pathology. , 2022, 000, 000-000.		0
701	Deciphering endothelial heterogeneity in health and disease at single-cell resolution: progress and perspectives. <i>Cardiovascular Research</i> , 2023, 119, 6-27.	1.8	19
703	Determining clinically relevant features in cytometry data using persistent homology. <i>PLoS Computational Biology</i> , 2022, 18, e1009931.	1.5	3
704	cyCombine allows for robust integration of single-cell cytometry datasets within and across technologies. <i>Nature Communications</i> , 2022, 13, 1698.	5.8	33
705	Inflammation and Prostate Cancer: A Multidisciplinary Approach to Identifying Opportunities for Treatment and Prevention. <i>Cancers</i> , 2022, 14, 1367.	1.7	10
706	Precision medicine in rheumatoid arthritis. <i>Best Practice and Research in Clinical Rheumatology</i> , 2022, 36, 101742.	1.4	8
707	Circulating tumour cells in the -omics era: how far are we from achieving the "singularity"? <i>British Journal of Cancer</i> , 2022, 127, 173-184.	2.9	23
708	Rewiring mitochondrial metabolism to counteract exhaustion of CAR-T cells. <i>Journal of Hematology and Oncology</i> , 2022, 15, 38.	6.9	20
709	Protein synthesis control in cancer: selectivity and therapeutic targeting. <i>EMBO Journal</i> , 2022, 41, e109823.	3.5	24
710	Single-cell analysis of circulating tumour cells: enabling technologies and clinical applications. <i>Trends in Biotechnology</i> , 2022, 40, 1041-1060.	4.9	16
711	Cutting-Edge Platforms for Analysis of Immune Cells in the Hepatic Microenvironment—Focus on Tumor-Associated Macrophages in Hepatocellular Carcinoma. <i>Cancers</i> , 2022, 14, 1861.	1.7	7
712	Peripheral immune phenotypes and T cell receptor repertoire in pneumocystis pneumonia in HIV-1 infected patients. <i>Clinical Immunology</i> , 2022, 237, 108985.	1.4	1
713	Gold nanoclusters as elemental label for the sequential quantification of apolipoprotein E and metallothionein 2A in individual human cells of the retinal pigment epithelium using single cell-ICP-MS. <i>Analytica Chimica Acta</i> , 2022, 1203, 339701.	2.6	7
714	Immunophenotyping: Analytical approaches and role in preclinical development of nanomedicines. <i>Advanced Drug Delivery Reviews</i> , 2022, 185, 114281.	6.6	9
715	Intensive single-cell analysis reveals immune-cell diversity among healthy individuals. <i>Life Science Alliance</i> , 2022, 5, e202201398.	1.3	4
716	Characterization of adipose depot-specific stromal cell populations by single-cell mass cytometry. <i>IScience</i> , 2022, 25, 104166.	1.9	5

#	ARTICLE	IF	CITATIONS
717	Development of droplet microfluidics capable of quantitative estimation of single-cell multiplex proteins. <i>Journal of Micromechanics and Microengineering</i> , 2022, 32, 024002.	1.5	5
718	Discovery of CD3 ⁺ CD19 ⁺ cells, a novel lymphocyte subset with a potential role in human immunodeficiency virus– <i>Mycobacterium tuberculosis</i> coinfection, using mass cytometry. <i>Clinical and Translational Medicine</i> , 2021, 11, e681.	1.7	6
719	Mass Cytometry for the Characterization of Individual Cell Types in Ovarian Solid Tumors. <i>Methods in Molecular Biology</i> , 2022, 2424, 59-94.	0.4	3
721	Role and Relevance of Cerebrospinal Fluid Cells in Diagnostics and Research: State-of-the-Art and Underutilized Opportunities. <i>Diagnostics</i> , 2022, 12, 79.	1.3	4
722	Discover immunotherapy biomarkers from single-cell cytometry data. <i>Patterns</i> , 2021, 2, 100384.	3.1	0
724	Dynamic Monitoring of EMT in CTCs as an Indicator of Cancer Metastasis. <i>Analytical Chemistry</i> , 2021, 93, 16787-16795.	3.2	15
725	Revealing new biology from multiplexed, metal-isotope-tagged, single-cell readouts. <i>Trends in Cell Biology</i> , 2022, 32, 501-512.	3.6	2
727	CyTOF [®] for the Masses. <i>Frontiers in Immunology</i> , 2022, 13, 815828.	2.2	38
728	Foam Cells in Atherosclerosis: Novel Insights Into Its Origins, Consequences, and Molecular Mechanisms. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 845942.	1.1	57
729	Novel Techniques and Future Perspective for Investigating Critical-Size Bone Defects. <i>Bioengineering</i> , 2022, 9, 171.	1.6	11
730	DGCyTOF: Deep learning with graphic cluster visualization to predict cell types of single cell mass cytometry data. <i>PLoS Computational Biology</i> , 2022, 18, e1008885.	1.5	9
731	Blood Cell Analysis: From Traditional Methods to Super-Resolution Microscopy. <i>Photonics</i> , 2022, 9, 261.	0.9	5
750	Exosomes in atherosclerosis: Convergence on macrophages. <i>International Journal of Biological Sciences</i> , 2022, 18, 3266-3281.	2.6	18
752	PRI: Re-Analysis of a Public Mass Cytometry Dataset Reveals Patterns of Effective Tumor Treatments. <i>Frontiers in Immunology</i> , 2022, 13, 849329.	2.2	0
753	Single-cell mass spectrometry. <i>Trends in Biotechnology</i> , 2022, 40, 1374-1392.	4.9	37
754	SLAMF Receptor Expression Identifies an Immune Signature That Characterizes Systemic Lupus Erythematosus. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	5
755	Bi-order multimodal integration of single-cell data. <i>Genome Biology</i> , 2022, 23, 112.	3.8	26
756	Identification of fetal liver stroma in spectral cytometry using the parameter autofluorescence. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2022, 101, 960-969.	1.1	11

#	ARTICLE	IF	CITATIONS
758	Biodistribution, pharmacokinetics and excretion studies of intravenously injected nanoparticles and extracellular vesicles: Possibilities and challenges. <i>Advanced Drug Delivery Reviews</i> , 2022, 186, 114326.	6.6	33
759	Protein Profiling of Breast Cancer for Treatment Decision-Making. <i>American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting</i> , 2022, 42, 73-81.	1.8	4
760	Multiple roles of circulating tumor cells and exosomes in cancer metastasis. , 2022, , 7-21.		0
761	Impedance-Enabled Camera-Free Intrinsic Mechanical Cytometry. <i>Small Methods</i> , 2022, 6, .	4.6	17
762	Multiplexed Analysis of the Cellular Uptake of Polymeric Nanocarriers. <i>Analytical Chemistry</i> , 2022, 94, 7901-7908.	3.2	3
763	Long-term fate tracking and quantitative analyzing of nanoparticles in stem cells with bright-field microscopy. <i>Nano Today</i> , 2022, 44, 101506.	6.2	3
764	Quantification of a Neurological Protein in a Single Cell Without Amplification. <i>ACS Omega</i> , 2022, 7, 20165-20171.	1.6	1
766	Mass Cytometry and Single-Cell Transcriptome Analyses Reveal the Immune Cell Characteristics of Ulcerative Colitis. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	2
767	The influence of phytochemicals on cell heterogeneity in chronic inflammation-associated diseases: the prospects of single cell sequencing. <i>Journal of Nutritional Biochemistry</i> , 2022, 108, 109091.	1.9	3
768	Immunohistochemistry. , 2022, , .		2
769	Immunohistochemistry for Future Applications. , 2022, , 253-265.		0
770	Protein Adsorption Loss—The Bottleneck of Single-Cell Proteomics. <i>Journal of Proteome Research</i> , 2022, 21, 1808-1815.	1.8	10
771	Applications of single-cell multi-omics sequencing in deep understanding of brain diseases. <i>Clinical and Translational Discovery</i> , 2022, 2, .	0.2	0
772	Joint deep learning for batch effect removal and classification toward MALDI MS based metabolomics. <i>BMC Bioinformatics</i> , 2022, 23, .	1.2	3
773	The role of single-cell genomics in human genetics. <i>Journal of Medical Genetics</i> , 2022, 59, 827-839.	1.5	11
775	Digital models in biotechnology: Towards multi-scale integration and implementation. <i>Biotechnology Advances</i> , 2022, 60, 108015.	6.0	14
776	Metal-Chelatable Porphyrinic Frameworks for Single-Cell Multiplexing with Mass Cytometry. <i>Angewandte Chemie</i> , 0, , .	1.6	0
777	Hybrid Fluorescent Mass-Tag Nanotrackers as Universal Reagents for Long-Term Live-Cell Barcoding. <i>Analytical Chemistry</i> , 0, , .	3.2	4

#	ARTICLE	IF	CITATIONS
778	Metal-Chelatable Porphyrinic Frameworks for Single-Cell Multiplexing with Mass Cytometry. <i>Angewandte Chemie - International Edition</i> , 0, , .	7.2	4
779	Identification of Pathogenic Immune Cell Subsets Associated With Checkpoint Inhibitor-Induced Myocarditis. <i>Circulation</i> , 2022, 146, 316-335.	1.6	43
780	Stearoyl-CoA desaturase 1 as a therapeutic target for cancer: a focus on hepatocellular carcinoma. <i>Molecular Biology Reports</i> , 2022, 49, 8871-8882.	1.0	12
781	The Value of Single-cell Technologies in Solid Organ Transplantation Studies. <i>Transplantation</i> , 2022, 106, 2325-2337.	0.5	6
782	Mass tag-based mass spectrometric immunoassay and its bioanalysis applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 157, 116745.	5.8	6
783	An R-based reproducible and user-friendly preprocessing pipeline for CyTOF data. <i>F1000Research</i> , 0, 9, 1263.	0.8	4
784	CytoEMD. , 2022, , .		0
785	Porcn as a novel therapeutic target in cancer therapy: a review. <i>Cell Biology International</i> , 0, , .	1.4	0
787	Integrating multiplex immunofluorescent and mass spectrometry imaging to map myeloid heterogeneity in its metabolic and cellular context. <i>Cell Metabolism</i> , 2022, 34, 1214-1225.e6.	7.2	18
789	Distribution-based sketching of single-cell samples. , 2022, , .		6
790	Graphene nanoribbons are internalized by human primary immune cell subpopulations maintaining a safety profile: A high-dimensional pilot study by single-cell mass cytometry. <i>Applied Materials Today</i> , 2022, 29, 101593.	2.3	1
791	Simultaneous multi-element and multi-isotope detection in single-particle ICP-MS analysis: Principles and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 157, 116746.	5.8	17
792	Immune characterization of suicidal behavior in female adolescents. <i>Brain, Behavior, & Immunity - Health</i> , 2022, 25, 100499.	1.3	0
793	High-Throughput Image-Guided Microprobe Mass Spectrometric Analysis of Single Cells. <i>Neuroinformatics</i> , 2022, , 115-163.	0.2	1
794	Quantifying Enzyme Activity and Gene Expression Within Single Cells Using a Multiplexed Capillary Electrophoresis Platform. <i>Neuroinformatics</i> , 2022, , 193-218.	0.2	0
795	Single-Cell Profiling of the Intrinsic Apoptotic Pathway by Mass Cytometry (CyTOF). <i>Methods in Molecular Biology</i> , 2022, , 83-97.	0.4	1
796	Evaluating the Immunopathogenesis of Diabetes After Acute Pancreatitis in the Diabetes Related to Acute Pancreatitis and Its Mechanisms Study. <i>Pancreas</i> , 2022, 51, 580-585.	0.5	7
797	Facets of ICP-MS and their potential in the medical sciencesâ€”Part 2: nanomedicine, immunochemistry, mass cytometry, and bioassays. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 7363-7386.	1.9	13

#	ARTICLE	IF	CITATIONS
798	Update on the Molecular Aspects and Methods Underlying the Complex Architecture of FSHD. <i>Cells</i> , 2022, 11, 2687.	1.8	9
799	Histochemistry in Advanced Cytometry: From Fluorochromes to Mass Probes. <i>Methods in Molecular Biology</i> , 2023, , 1-25.	0.4	0
800	Heterogeneity of triple negative breast cancer: Current advances in subtyping and treatment implications. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, .	3.5	35
801	Mass cytometry-based peripheral blood analysis as a novel tool for early detection of solid tumours: a multicentre study. <i>Gut</i> , 2023, 72, 996-1006.	6.1	4
802	Combined protein and transcript single-cell RNA sequencing in human peripheral blood mononuclear cells. <i>BMC Biology</i> , 2022, 20, .	1.7	12
803	Integrating Micro and Nano Technologies for Cell Engineering and Analysis: Toward the Next Generation of Cell Therapy Workflows. <i>ACS Nano</i> , 2022, 16, 15653-15680.	7.3	5
804	Quantitative proteomics of small numbers of closely-related cells: Selection of the optimal method for a clinical setting. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	3
805	Characterizing the biology of primary brain tumors and their microenvironment via single-cell profiling methods. <i>Neuro-Oncology</i> , 2023, 25, 234-247.	0.6	9
806	Revealing the heterogeneity of CD4+ T cells through single-cell transcriptomics. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 150, 748-755.	1.5	5
807	Development of Multiplexed Bead-Based Immunoassays for Profiling Soluble Cytokines and CD163 Using Mass Cytometry. <i>ACS Measurement Science Au</i> , 2022, 2, 629-640.	1.9	1
808	The heterogeneity of oxidized lipids in individual tumor cells reveals NK cell-mediated cytotoxicity by label-free mass cytometry. <i>Analyst</i> , The, 2022, 147, 5754-5763.	1.7	1
810	A review of spatial profiling technologies for characterizing the tumor microenvironment in immuno-oncology. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	12
811	Integrated T cell cytometry metrics for immune-monitoring applications in immunotherapy clinical trials. <i>JCI Insight</i> , 2022, 7, .	2.3	5
812	Immune Profiling and Multiplexed Label-Free Detection of 2D MXenes by Mass Cytometry and High-Dimensional Imaging. <i>Advanced Materials</i> , 2022, 34, .	11.1	8
813	An Engineered Paper-Based 3D Coculture Model of Pancreatic Cancer to Study the Impact of Tissue Architecture and Microenvironmental Gradients on Cell Phenotype. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	5
814	Computational quantification and characterization of independently evolving cellular subpopulations within tumors is critical to inhibit anti-cancer therapy resistance. <i>Genome Medicine</i> , 2022, 14, .	3.6	8
815	Immunomodulatory Biomaterials and Emerging Analytical Techniques for Probing the Immune Micro-Environment. <i>Tissue Engineering and Regenerative Medicine</i> , 2023, 20, 11-24.	1.6	7
816	Single-Cell Analysis to Better Understand the Mechanisms Involved in MS. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12142.	1.8	2

#	ARTICLE	IF	CITATIONS
817	Intracellular Multicomponent Synchronous DNA-Walking Strategy for the Simultaneous Quantification of Tumor-Associated Proteins in a Single Cell. <i>Analytical Chemistry</i> , 2022, 94, 15847-15855.	3.2	10
818	Multiplexed high-throughput immune cell imaging reveals molecular health-associated phenotypes. <i>Science Advances</i> , 2022, 8, .	4.7	13
819	Network inference from perturbation time course data. <i>Npj Systems Biology and Applications</i> , 2022, 8, .	1.4	5
820	Single-Cell Heterogeneity of the Liver-Infiltrating Lymphocytes in Individuals with Chronic <i>Echinococcus multilocularis</i> Infection. <i>Infection and Immunity</i> , 2022, 90, .	1.0	3
821	Imaging mass cytometry: High-dimensional and single-cell perspectives on the microenvironment of solid tumours. <i>Progress in Biophysics and Molecular Biology</i> , 2022, 175, 140-146.	1.4	0
822	Tellurium-containing polymer for mass cytometry. <i>European Polymer Journal</i> , 2022, 181, 111633.	2.6	3
823	Single-cell mass cytometry analysis reveals stem cell heterogeneity. <i>Methods</i> , 2022, 208, 9-18.	1.9	2
824	Single-cell ICP-MS to address the role of trace elements at a cellular level. <i>Journal of Trace Elements in Medicine and Biology</i> , 2023, 75, 127086.	1.5	13
825	Pooled genetic screens with image-based profiling. <i>Molecular Systems Biology</i> , 2022, 18, .	3.2	8
826	Monitoring and modelling the dynamics of the cellular glycolysis pathway: A review and future perspectives. <i>Molecular Metabolism</i> , 2022, 66, 101635.	3.0	12
827	Elevated CD47 is a hallmark of dysfunctional aged muscle stem cells that can be targeted to augment regeneration. <i>Cell Stem Cell</i> , 2022, 29, 1653-1668.e8.	5.2	22
829	Spatial multi-omics analyses of the tumor immune microenvironment. <i>Journal of Biomedical Science</i> , 2022, 29, .	2.6	30
830	Insights into highly multiplexed tissue images: A primer for Mass Cytometry Imaging data analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 157, 116794.	5.8	2
831	High-dimensional single-cell cartography tracking of immune cells subpopulation of mice peripheral blood treated with gold nanorods and black phosphorus nanosheets. <i>Nano Today</i> , 2022, 47, 101666.	6.2	3
832	Tumor Immune Microenvironment and Immunotherapy in Non-Small Cell Lung Cancer: Update and New Challenges. , 2022, 13, 1615.		21
833	Glioma Stem Cells: Novel Data Obtained by Single-Cell Sequencing. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14224.	1.8	10
834	Research on cell detection method for microfluidic single cell dispensing. <i>Mathematical Biosciences and Engineering</i> , 2022, 20, 3970-3982.	1.0	0
835	Circulating <i>CCR6</i> ⁺ <i>ILC</i> proportions are lower in multiple sclerosis patients. <i>Clinical and Translational Immunology</i> , 2022, 11, .	1.7	3

#	ARTICLE	IF	CITATIONS
836	White blood cell detection, classification and analysis using phase imaging with computational specificity (PICS). <i>Scientific Reports</i> , 2022, 12, .	1.6	5
837	TP53-related signature for predicting prognosis and tumor microenvironment characteristics in bladder cancer: A multi-omics study. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	5
838	In silico generation of high-dimensional immune response data in patients using a deep neural network. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2023, 103, 392-404.	1.1	1
839	Using mass cytometry for the analysis of samples of the human airways. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
840	Learning cell identity in immunology, neuroscience, and cancer. <i>Seminars in Immunopathology</i> , 0, , .	2.8	2
842	Proteomics to study cancer immunity and improve treatment. <i>Seminars in Immunopathology</i> , 2023, 45, 241-251.	2.8	3
844	Organic Mass Cytometry Discriminating Cycle Stages of Single Cells with Small Molecular Indicators. <i>Analytical Chemistry</i> , 2023, 95, 2312-2320.	3.2	0
845	Modulation of myeloid and T cells in vivo by Bruton's tyrosine kinase inhibitor ibrutinib in patients with metastatic pancreatic ductal adenocarcinoma. , 2023, 11, e005425.		4
846	Selective chemical reagents to investigate the role of caspase 6 in apoptosis in acute leukemia T cells. <i>Chemical Science</i> , 2023, 14, 2289-2302.	3.7	2
847	Single-cell technologies uncover intra-tumor heterogeneity in childhood cancers. <i>Seminars in Immunopathology</i> , 2023, 45, 61-69.	2.8	3
848	Multiparameter single-cell proteomic technologies give new insights into the biology of ovarian tumors. <i>Seminars in Immunopathology</i> , 0, , .	2.8	2
849	Exploring the performance of quadrupole, time-of-flight, and multi-collector ICP-MS for dual-isotope detection on single nanoparticles and cells. <i>Analytica Chimica Acta</i> , 2023, 1240, 340756.	2.6	10
850	Hierarchical nearest neighbor descent, in-tree, and clustering. <i>Pattern Recognition</i> , 2023, 137, 109300.	5.1	0
851	Single-cell metabolic analysis by mass cytometry reveals distinct transitional states of CD8 T cell differentiation. <i>Journal of Immunology</i> , 2020, 204, 155.18-155.18.	0.4	1
853	Reagents for Mass Cytometry. <i>Chemical Reviews</i> , 2023, 123, 1166-1205.	23.0	6
854	Reversing the NK inhibitory tumor microenvironment by targeting suppressive immune effectors. , 2023, , 27-63.		1
855	Advancing CAR T cell therapy through the use of multidimensional omics data. <i>Nature Reviews Clinical Oncology</i> , 2023, 20, 211-228.	12.5	30
856	Multiplex Immunofluorescence: A Powerful Tool in Cancer Immunotherapy. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3086.	1.8	14

#	ARTICLE	IF	CITATIONS
857	Mass cytometry for the multiplexed quantification and characterization of target expression on circulating cells in whole blood. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2023, 103, 631-645.	1.1	0
858	Current Methods for Identifying Plasma Membrane Proteins as Cancer Biomarkers. <i>Membranes</i> , 2023, 13, 409.	1.4	2
859	A universal mass tag based on polystyrene nanoparticles for single-cell multiplexing with mass cytometry. <i>Journal of Colloid and Interface Science</i> , 2023, 639, 434-443.	5.0	1
862	Diagnosis and Detection of Congenital Diseases in New-Borns or Fetuses Using Artificial Intelligence Techniques: A Systematic Review. <i>Archives of Computational Methods in Engineering</i> , 2023, 30, 3031-3058.	6.0	4
863	Applying single-cell highly multiplexed secretome proteomics to characterize immunotherapeutic products and predict clinical responses. <i>Proteomics</i> , 2023, 23, .	1.3	2
864	OX40 agonism enhances PD-L1 checkpoint blockade by shifting the cytotoxic T cell differentiation spectrum. <i>Cell Reports Medicine</i> , 2023, 4, 100939.	3.3	6
865	Mass Nanotags Mediate Parallel Amplifications on Nanointerfaces for Multiplexed Profiling of RNAs. <i>Nano Letters</i> , 2023, 23, 1820-1829.	4.5	7
867	Detection of cells by flow cytometry: Counting, imaging, and cell classification. <i>Journal of Innovative Optical Health Sciences</i> , 0, , .	0.5	1
868	Single-cell proteomics enabled by next-generation sequencing or mass spectrometry. <i>Nature Methods</i> , 2023, 20, 363-374.	9.0	58
869	Advances in Mass Spectrometry-Based Single Cell Analysis. <i>Biology</i> , 2023, 12, 395.	1.3	4
870	Anticancer Screening of Ru(II) Photoredox Catalysts at Single Cancer Cell Level. <i>Chemistry - an Asian Journal</i> , 2023, 18, .	1.7	3
871	CLINICAL IMMUNOLOGY AND ALLERGOLOGY AS AN IMPORTANT COMPONENT OF CONTINUOUS MEDICAL EDUCATION OF DOCTORS. <i>Acta Medica Leopoliensia</i> , 2022, 28, 56-71.	0.0	0
872	Flow Cytometry with Anti-Diffraction Light Sheet (ADLS) by Spatial Light Modulation. <i>Micromachines</i> , 2023, 14, 679.	1.4	0
873	McSNAC: A software to approximate first-order signaling networks from mass cytometry data. <i>Quantitative Biology</i> , 2023, 11, 59-71.	0.3	0
874	Biomonitoring and precision health in deep space supported by artificial intelligence. <i>Nature Machine Intelligence</i> , 2023, 5, 196-207.	8.3	5
876	Epigenetic liquid biopsies: a novel putative biomarker in immunology and inflammation. <i>Trends in Immunology</i> , 2023, 44, 356-364.	2.9	3
877	Enhancing clinical potential of liquid biopsy through a multi-omic approach: A systematic review. <i>Frontiers in Genetics</i> , 0, 14, .	1.1	11
878	Oncogenic signaling is coupled to colorectal cancer cell differentiation state. <i>Journal of Cell Biology</i> , 2023, 222, .	2.3	2

#	ARTICLE	IF	CITATIONS
879	Dynamics and specificities of T cells in cancer immunotherapy. <i>Nature Reviews Cancer</i> , 2023, 23, 295-316.	12.8	49
880	Methods for assessment of the tumour microenvironment and immune interactions in non-small cell lung cancer. A narrative review. <i>Frontiers in Oncology</i> , 0, 13, .	1.3	1
893	Mass spectrometry-based techniques for single-cell analysis. <i>Analyst, The</i> , 2023, 148, 3690-3707.	1.7	2
904	The contribution of automated cytometry in immuno-oncology. <i>Methods in Cell Biology</i> , 2023, , .	0.5	0
907	Sample-Data Analysis. , 2023, , 33-45.		0
914	Profiling cell phenotypes and functional states using mass cytometry. , 2024, , 112-120.		0
916	Biomarkers for immunotherapy of hepatocellular carcinoma. <i>Nature Reviews Clinical Oncology</i> , 2023, 20, 780-798.	12.5	5
917	Recent progress in co-detection of single-cell transcripts and proteins. <i>Nano Research</i> , 0, , .	5.8	1
919	Liquid biopsy: creating opportunities in brain space. <i>British Journal of Cancer</i> , 2023, 129, 1727-1746.	2.9	1
921	Circulating Tumour Cell Isolation and Molecular Profiling; Potential Therapeutic Intervention. <i>Current Cancer Research</i> , 2023, , 359-385.	0.2	0
923	Mass cytometry as a tool in target validation and drug discovery. <i>Methods in Enzymology</i> , 2023, , 541-574.	0.4	0
945	Multimodal Methods for Knowledge Discovery from Bulk and Single-Cell Multi-Omics Data. , 2024, , 39-74.		0
947	Profiling joint tissues at single-cell resolution: advances and insights. <i>Nature Reviews Rheumatology</i> , 0, , .	3.5	0
963	Translational bioinformatics approach to combat cardiovascular disease and cancers. <i>Advances in Protein Chemistry and Structural Biology</i> , 2024, , 221-261.	1.0	1
973	A Hitchhiker's guide to high-dimensional tissue imaging with multiplexed ion beam imaging. <i>Methods in Cell Biology</i> , 2024, , .	0.5	0