Garry P Nolan

List of Publications by Year
in descending order

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323 papers	44,070 citations	3149 92 h-index	2675 193 g-index
365 all docs	365 docs citations	365 times ranked	47655 citing authors

#	Article	IF	Citations
1	Tissue schematics map the specialization of immune tissue motifs and their appropriation by tumors. Cell Systems, 2022, 13, 109-130.e6.	2.9	38
2	Spatial mapping of protein composition and tissue organization: a primer for multiplexed antibody-based imaging. Nature Methods, 2022, 19, 284-295.	9.0	156
3	Inflammatory molecular endotypes of nasal polyps derived from White and Japanese populations. Journal of Allergy and Clinical Immunology, 2022, 149, 1296-1308.e6.	1.5	33
4	Improved instrumental techniques, including isotopic analysis, applicable to the characterization of unusual materials with potential relevance to aerospace forensics. Progress in Aerospace Sciences, 2022, 128, 100788.	6.3	3
5	CellSeg: a robust, pre-trained nucleus segmentation and pixel quantification software for highly multiplexed fluorescence images. BMC Bioinformatics, 2022, 23, 46.	1.2	44
6	A Comprehensive Atlas of Immunological Differences Between Humans, Mice, and Non-Human Primates. Frontiers in Immunology, 2022, 13, 867015.	2.2	46
7	MITI minimum information guidelines for highly multiplexed tissue images. Nature Methods, 2022, 19, 262-267.	9.0	37
8	Subcortical Brain Morphometry Differences between Adults with Autism Spectrum Disorder and Schizophrenia. Brain Sciences, 2022, 12, 439.	1.1	5
9	Variation of Immune Cell Responses in Humans Reveals Sex-Specific Coordinated Signaling Across Cell Types. Frontiers in Immunology, 2022, 13, 867016.	2.2	4
10	Multicellular modules as clinical diagnostic and therapeutic targets. Trends in Cancer, 2022, 8, 164-173.	3.8	10
11	Combined protein and nucleic acid imaging reveals virus-dependent B cell and macrophage immunosuppression of tissue microenvironments. Immunity, 2022, 55, 1118-1134.e8.	6.6	44
12	Postmitotic G1 phase survivin drives mitogen-independent cell division of B lymphocytes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2115567119.	3.3	5
13	Identification of cell types in multiplexed in situ images by combining protein expression and spatial information using CELESTA. Nature Methods, 2022, 19, 759-769.	9.0	42
14	Aldehyde dehydrogenase 3A1 deficiency leads to mitochondrial dysfunction and impacts salivary gland stem cell phenotype. , 2022, 1, .		0
15	Integrated plasma proteomic and single-cell immune signaling network signatures demarcate mild, moderate, and severe COVID-19. Cell Reports Medicine, 2022, 3, 100680.	3.3	19
16	Immunotherapy of glioblastoma explants induces interferon-Î³ responses and spatial immune cell rearrangements in tumor center, but not periphery. Science Advances, 2022, 8, .	4.7	24
17	Frontiers in cancer immunotherapyâ€"a symposium report. Annals of the New York Academy of Sciences, 2021, 1489, 30-47.	1.8	39
18	Nanoscopic subcellular imaging enabled by ion beam tomography. Nature Communications, 2021, 12, 789.	5.8	9

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19	Performance of BioFire array or QuickVue influenza Aâ€‰+â€‰B test versus a validation qPCR assay for detection of influenza A during a volunteer A/California/2009/H1N1 challenge study. Virology Journal, 2021, 18, 45.	1.4	4
20	Highly multiplexed tissue imaging using repeated oligonucleotide exchange reaction. European Journal of Immunology, 2021, 51, 1262-1277.	1.6	53
21	Highly Multiplexed Phenotyping of Immunoregulatory Proteins in the Tumor Microenvironment by CODEX Tissue Imaging. Frontiers in Immunology, 2021, 12, 687673.	2.2	59
22	Virtual and augmented reality for biomedical applications. Cell Reports Medicine, 2021, 2, 100348.	3.3	99
23	Adjacent Cell Marker Lateral Spillover Compensation and Reinforcement for Multiplexed Images. Frontiers in Immunology, 2021, 12, 652631.	2.2	28
24	CODEX multiplexed tissue imaging with DNA-conjugated antibodies. Nature Protocols, 2021, 16, 3802-3835.	5.5	221
25	Subcellular localization of biomolecules and drug distribution by high-definition ion beam imaging. Nature Communications, 2021, 12, 4628.	5.8	33
26	Strategies for Accurate Cell Type Identification in CODEX Multiplexed Imaging Data. Frontiers in Immunology, 2021, 12, 727626.	2.2	59
27	SARS-CoV-2 infects human pancreatic Î² cells and elicits Î² cell impairment. Cell Metabolism, 2021, 33, 1565-1576.e5.	7.2	225
28	Determinants of SARS-CoV-2 entry and replication in airway mucosal tissue and susceptibility in smokers. Cell Reports Medicine, 2021, 2, 100421.	3.3	11
29	Diminished cytokine-induced Jak/STAT signaling is associated with rheumatoid arthritis and disease activity. PLoS ONE, 2021, 16, e0244187.	1.1	16
30	Human influenza virus challenge identifies cellular correlates of protection for oral vaccination. Cell Host and Microbe, 2021, 29, 1828-1837.e5.	5.1	14
31	Immune cell topography predicts response to PD-1 blockade in cutaneous T cell lymphoma. Nature Communications, 2021, 12, 6726.	5.8	101
32	Rhesus Macaque CODEX Multiplexed Immunohistochemistry Panel for Studying Immune Responses During Ebola Infection. Frontiers in Immunology, 2021, 12, 729845.	2.2	7
33	Profiling myelodysplastic syndromes by mass cytometry demonstrates abnormal progenitor cell phenotype and differentiation. Cytometry Part B - Clinical Cytometry, 2020, 98, 131-145.	0.7	26
34	FLOW-MAP: a graph-based, force-directed layout algorithm for trajectory mapping in single-cell time course datasets. Nature Protocols, 2020, 15, 398-420.	5.5	17
35	Integration of mechanistic immunological knowledge into a machine learning pipeline improves predictions. Nature Machine Intelligence, 2020, 2, 619-628.	8.3	52
36	Coordinated Cellular Neighborhoods Orchestrate Antitumoral Immunity at the Colorectal Cancer Invasive Front. Cell, 2020, 182, 1341-1359.e19.	13.5	464

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37	ACE2 localizes to the respiratory cilia and is not increased by ACE inhibitors or ARBs. Nature Communications, 2020, 11, 5453.	5.8	191
38	Single-Cell Profiling of Ebola Virus Disease InÂVivo Reveals Viral and Host Dynamics. Cell, 2020, 183, 1383-1401.e19.	13.5	79
39	Isotopically Encoded Nanotags for Multiplexed Ion Beam Imaging. Advanced Materials Technologies, 2020, 5, 2000098.	3.0	2
40	Ultra-high throughput single-cell analysis of proteins and RNAs by split-pool synthesis. Communications Biology, 2020, 3, 213.	2.0	9
41	Multi-omic single-cell snapshots reveal multiple independent trajectories to drug tolerance in a melanoma cell line. Nature Communications, 2020, 11, 2345.	5.8	74
42	Activation of JUN in fibroblasts promotes pro-fibrotic programme and modulates protective immunity. Nature Communications, 2020, 11, 2795.	5.8	69
43	A Cancer Biologist's Primer on Machine Learning Applications in Highâ€Dimensional Cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 782-799.	1.1	17
44	Multimodal Analysis of Composition and Spatial Architecture in Human Squamous Cell Carcinoma. Cell, 2020, 182, 497-514.e22.	13.5	508
45	Deep profiling of apoptotic pathways with mass cytometry identifies a synergistic drug combination for killing myeloma cells. Cell Death and Differentiation, 2020, 27, 2217-2233.	5.0	29
46	Enabling Technologies for Personalized and Precision Medicine. Trends in Biotechnology, 2020, 38, 497-518.	4.9	169
47	Functional comparison of PBMCs isolated by Cell Preparation Tubes (CPT) vs. Lymphoprep Tubes. BMC Immunology, 2020, 21, 15.	0.9	27
48	Immunologic timeline of Ebola virus disease and recovery in humans. JCI Insight, 2020, 5, .	2.3	25
49	Landscape of coordinated immune responses to H1N1 challenge in humans. Journal of Clinical Investigation, 2020, 130, 5800-5816.	3.9	28
50	Multiomics modeling of the immunome, transcriptome, microbiome, proteome and metabolome adaptations during human pregnancy. Bioinformatics, 2019, 35, 95-103.	1.8	162
51	Neurological, Cognitive, and Psychological Findings Among Survivors of Ebola Virus Disease From the 1995 Ebola Outbreak in Kikwit, Democratic Republic of Congo: A Cross-sectional Study. Clinical Infectious Diseases, 2019, 68, 1388-1393.	2.9	18
52	MIBI-TOF: A multiplexed imaging platform relates cellular phenotypes and tissue structure. Science Advances, 2019, 5, eaax5851.	4.7	252
53	Sex Differences in the Blood Transcriptome Identify Robust Changes in Immune Cell Proportions with Aging and Influenza Infection. Cell Reports, 2019, 29, 1961-1973.e4.	2.9	70
54	Cellular Signaling Analysis shows antiviral, ribavirin-mediated ribosomal signaling modulation. Antiviral Research, 2019, 171, 104598.	1.9	5

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55	Identification of NK Cell Subpopulations That Differentiate HIV-Infected Subject Cohorts with Diverse Levels of Virus Control. Journal of Virology, 2019, 93, .	1.5	41
56	Scalable Conjugation and Characterization of Immunoglobulins with Stable Mass Isotope Reporters for Single-Cell Mass Cytometry Analysis. Methods in Molecular Biology, 2019, 1989, 55-81.	0.4	32
57	Role for polo-like kinase 4 in mediation of cytokinesis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11309-11318.	3.3	30
58	Multiplexed profiling of RNA and protein expression signatures in individual cells using flow or mass cytometry. Nature Protocols, 2019, 14, 901-920.	5.5	27
59	Proliferation tracing with single-cell mass cytometry optimizes generation of stem cell memory-like T cells. Nature Biotechnology, 2019, 37, 259-266.	9.4	49
60	Voices in methods development. Nature Methods, 2019, 16, 945-951.	9.0	5
61	Denisovan, modern human and mouse TNFAIP3 alleles tune A20 phosphorylation and immunity. Nature Immunology, 2019, 20, 1299-1310.	7.0	53
62	A topological view of human CD34+ cell state trajectories from integrated single-cell output and proteomic data. Blood, 2019, 133, 927-939.	0.6	17
63	Dynamics of the Cutaneous T Cell Lymphoma Microenvironment in Patients Treated with Pembrolizumab Revealed By Highly Multiplexed Tissue Imaging. Blood, 2019, 134, 1521-1521.	0.6	5
64	TRAIL-induced variation of cell signaling states provides nonheritable resistance to apoptosis. Life Science Alliance, 2019, 2, e201900554.	1.3	11
65	Innovative Technologies for Advancement of WHO Risk Group 4 Pathogens Research. , 2019, , 437-469.		5
66	Single-cell developmental classification of B cell precursor acute lymphoblastic leukemia at diagnosis reveals predictors of relapse. Nature Medicine, 2018, 24, 474-483.	15.2	112
67	Single-cell mass cytometry reveals distinct populations of brain myeloid cells in mouse neuroinflammation and neurodegeneration models. Nature Neuroscience, 2018, 21, 541-551.	7.1	249
68	DRUG-NEM: Optimizing drug combinations using single-cell perturbation response to account for intratumoral heterogeneity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4294-E4303.	3.3	42
69	Commonly Occurring Cell Subsets in High-Grade Serous Ovarian Tumors Identified by Single-Cell Mass Cytometry. Cell Reports, 2018, 22, 1875-1888.	2.9	83
70	The Atacama skeleton. Genome Research, 2018, 28, 607-608.	2.4	6
71	Whole-genome sequencing of Atacama skeleton shows novel mutations linked with dysplasia. Genome Research, 2018, 28, 423-431.	2.4	19
72	Defining human cardiac transcription factor hierarchies using integrated single-cell heterogeneity analysis. Nature Communications, 2018, 9, 4906.	5.8	147

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73	Complex mammalian-like haematopoietic system found in a colonial chordate. Nature, 2018, 564, 425-429.	13.7	60
74	Metal-isotope-tagged monoclonal antibodies for high-dimensional mass cytometry. Nature Protocols, 2018, 13, 2121-2148.	5.5	171
75	GateFinder: projection-based gating strategy optimization for flow and mass cytometry. Bioinformatics, 2018, 34, 4131-4133.	1.8	20
76	MetaCyto: A Tool for Automated Meta-analysis of Mass and Flow Cytometry Data. Cell Reports, 2018, 24, 1377-1388.	2.9	52
77	Deep Profiling of Mouse Splenic Architecture with CODEX Multiplexed Imaging. Cell, 2018, 174, 968-981.e15.	13.5	948
78	Single-Cell Developmental Classification of B-Cell Precursor Acute Lymphoblastic Leukemia at Diagnosis Reveals Predictors of Relapse. Experimental Hematology, 2018, 64, S33-S34.	0.2	1
79	Three-dimensional intact-tissue sequencing of single-cell transcriptional states. Science, 2018, 361, .	6.0	890
80	Dynamics of the Bone Marrow Microenvironment during Leukemic Progression Revealed By Codex Hyper-Parameter Tissue Imaging. Blood, 2018, 132, 935-935.	0.6	10
81	SRC/ABL inhibition disrupts CRLF2-driven signaling to induce cell death in B-cell acute lymphoblastic leukemia. Oncotarget, 2018, 9, 22872-22885.	0.8	11
82	Glucocorticoids-Resistant Leukemic B-Cells Undergo a Phenotypic Change That Increases Sensitivity to SRC/ABL Inhibition. Blood, 2018, 132, 1546-1546.	0.6	0
83	Microsphere cytometry to interrogate microenvironment-dependent cell signaling. Integrative Biology (United Kingdom), 2017, 9, 123-134.	0.6	3
84	Highâ€throughput precision measurement of subcellular localization in single cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 180-189.	1.1	13
85	Systemic Immunity Is Required for Effective Cancer Immunotherapy. Cell, 2017, 168, 487-502.e15.	13.5	708
86	EBI3 regulates the NK cell response to mouse cytomegalovirus infection. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1625-1630.	3.3	10
87	Expression of specific inflammasome gene modules stratifies older individuals into two extreme clinical and immunological states. Nature Medicine, 2017, 23, 174-184.	15.2	304
88	Mass cytometry: The time to settle down. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 12-13.	1.1	13
89	High-resolution myogenic lineage mapping by single-cell mass cytometry. Nature Cell Biology, 2017, 19, 558-567.	4.6	108
90	Unifying mechanism for different fibrotic diseases. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4757-4762.	3.3	155

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91	AN UPDATED DEBARCODING TOOL FOR MASS CYTOMETRY WITH CELL TYPE-SPECIFIC AND CELL SAMPLE-SPECIFIC STRINGENCY ADJUSTMENT. , 2017, 22, 588-598.		28
92	Distinct signaling programs control human hematopoietic stem cell survival and proliferation. Blood, 2017, 129, 307-318.	0.6	35
93	Jak1 Integrates Cytokine Sensing to Regulate Hematopoietic Stem Cell Function and Stress Hematopoiesis. Cell Stem Cell, 2017, 21, 489-501.e7.	5.2	58
94	An immune clock of human pregnancy. Science Immunology, 2017, 2, .	5.6	371
95	Upregulation of Human Endogenous Retrovirus-K Is Linked to Immunity and Inflammation in Pulmonary Arterial Hypertension. Circulation, 2017, 136, 1920-1935.	1.6	44
96	Deep Immune Profiling of an Arginine-Enriched Nutritional Intervention in Patients Undergoing Surgery. Journal of Immunology, 2017, 199, 2171-2180.	0.4	19
97	High-Dimensional Phenotypic Mapping of Human Dendritic Cells Reveals Interindividual Variation and Tissue Specialization. Immunity, 2017, 47, 1037-1050.e6.	6.6	231
98	A gut bacterial pathway metabolizes aromatic amino acids into nine circulating metabolites. Nature, 2017, 551, 648-652.	13.7	805
99	NKG2D ligand expression in Crohn's disease and NKG2D-dependent stimulation of CD8+ T cell migration. Experimental and Molecular Pathology, 2017, 103, 56-70.	0.9	16
100	In silico modeling identifies CD45 as a regulator of IL-2 synergy in the NKG2D-mediated activation of immature human NK cells. Science Signaling, 2017, 10, .	1.6	23
101	The road ahead: Implementing mass cytometry in clinical studies, one cell at a time. Cytometry Part B - Clinical Cytometry, 2017, 92, 10-11.	0.7	19
102	The Human Cell Atlas. ELife, 2017, 6, .	2.8	1,547
103	Scalable multi-sample single-cell data analysis by Partition-Assisted Clustering and Multiple Alignments of Networks. PLoS Computational Biology, 2017, 13, e1005875.	1.5	18
104	Atomic mass tag of bismuthâ€209 for increasing the immunoassay multiplexing capacity of mass cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 1150-1163.	1.1	37
105	Automated mapping of phenotype space with single-cell data. Nature Methods, 2016, 13, 493-496.	9.0	344
106	Mass Cytometry: Single Cells, Many Features. Cell, 2016, 165, 780-791.	13.5	978
107	A benchmark for evaluation of algorithms for identification of cellular correlates of clinical outcomes. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2016, 89, 16-21.	1.1	65
108	Mutant IDH1 Downregulates ATM and Alters DNA Repair and Sensitivity to DNA Damage Independent of TET2. Cancer Cell, 2016, 30, 337-348.	7.7	166

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109	Mapping the Fetomaternal Peripheral Immune System at Term Pregnancy. Journal of Immunology, 2016, 197, 4482-4492.	0.4	34
110	Visualization and cellular hierarchy inference of single-cell data using SPADE. Nature Protocols, 2016, 11, 1264-1279.	5.5	99
111	Highly multiplexed simultaneous detection of RNAs and proteins in single cells. Nature Methods, 2016, 13, 269-275.	9.0	278
112	Coordinate actions of innate immune responses oppose those of the adaptive immune system during Salmonella infection of mice. Science Signaling, 2016, 9, ra4.	1.6	22
113	JAK1 As a Convergent Regulator of Hematopoietic Stem Cell Function and Stress Hematopoiesis. Blood, 2016, 128, 722-722.	0.6	3
114	High Resolution Mapping of Human Lymphopoiesis Reveals a Common Lymphoid Progenitor (CLP) Population. Blood, 2016, 128, 1473-1473.	0.6	1
115	Tâ€cell STAT3 is required for the maintenance of humoral immunity to LCMV. European Journal of Immunology, 2015, 45, 418-427.	1.6	17
116	Implementing Mass Cytometry at the Bedside to Study the Immunological Basis of Human Diseases: Distinctive Immune Features in Patients with a History of Term or Preterm Birth. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2015, 87, 817-829.	1.1	52
117	Patient-specific Immune States before Surgery Are Strong Correlates of Surgical Recovery. Anesthesiology, 2015, 123, 1241-1255.	1.3	70
118	Reversibility of Defective Hematopoiesis Caused by Telomere Shortening in Telomerase Knockout Mice. PLoS ONE, 2015, 10, e0131722.	1.1	21
119	Unipotent Megakaryopoietic Pathway Bridging Hematopoietic Stem Cells and Mature Megakaryocytes. Stem Cells, 2015, 33, 2196-2207.	1.4	50
120	Single-cell systems-level analysis of human Toll-like receptor activation defines a chemokine signature in patients with systemic lupus erythematosus. Journal of Allergy and Clinical Immunology, 2015, 136, 1326-1336.	1.5	66
121	Mass cytometry as a platform for the discovery of cellular biomarkers to guide effective rheumatic disease therapy. Arthritis Research and Therapy, 2015, 17, 127.	1.6	53
122	Nomenclature of Toso, Fas Apoptosis Inhibitory Molecule 3, and IgM FcR. Journal of Immunology, 2015, 194, 4055-4057.	0.4	15
123	Palladium-based mass tag cell barcoding with a doublet-filtering scheme and single-cell deconvolution algorithm. Nature Protocols, 2015, 10, 316-333.	5.5	466
124	Mass Cytometric Functional Profiling of Acute Myeloid Leukemia Defines Cell-Cycle and Immunophenotypic Properties That Correlate with Known Responses to Therapy. Cancer Discovery, 2015, 5, 988-1003.	7.7	93
125	An interactive reference framework for modeling a dynamic immune system. Science, 2015, 349, 1259425.	6.0	214
126	mir-181a-1/b-1 Modulates Tolerance through Opposing Activities in Selection and Peripheral T Cell Function. Journal of Immunology, 2015, 195, 1470-1479.	0.4	43

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127	Data-Driven Phenotypic Dissection of AML Reveals Progenitor-like Cells that Correlate with Prognosis. Cell, 2015, 162, 184-197.	13.5	1,791
128	A Continuous Molecular Roadmap to iPSC Reprogramming through Progression Analysis of Single-Cell Mass Cytometry. Cell Stem Cell, 2015, 16, 323-337.	5.2	187
129	Early reprogramming regulators identified by prospective isolation and mass cytometry. Nature, 2015, 521, 352-356.	13.7	101
130	Synthetically Modified Viral Capsids as Versatile Carriers for Use in Antibody-Based Cell Targeting. Bioconjugate Chemistry, 2015, 26, 1590-1596.	1.8	36
131	Deletions in the cytoplasmic domain of iRhom1 and iRhom2 promote shedding of the TNF receptor by the protease ADAM17. Science Signaling, 2015, 8, ra109.	1.6	60
132	Role of the Histone Deacetylase Inhibitor Givinostat (ITF2357) in Treatment of CRLF2 Rearranged Acute Lymphoblastic Leukemia. Blood, 2015, 126, 2534-2534.	0.6	1
133	Increased Frequency of Cells with Activated Ribosomal Protein S6 at Diagnosis Associates with MRD Positivity and Relapse in Childhood BCP ALL. Blood, 2015, 126, 2616-2616.	0.6	0
134	Mass Cytometry Analysis Dissects CRLF2-Driven Signaling Pathways in Childhood B-Cell Precursor Acute Lymphoblastic Leukemia (BCP-ALL). Blood, 2015, 126, 906-906.	0.6	0
135	Single-Cell Mass Cytometry Analysis of Human Tonsil T Cell Remodeling by Varicella Zoster Virus. Cell Reports, 2014, 8, 633-645.	2.9	82
136	Transient partial permeabilization with saponin enables cellular barcoding prior to surface marker staining. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2014, 85, 1011-1019.	1.1	108
137	Conditional density-based analysis of T cell signaling in single-cell data. Science, 2014, 346, 1250689.	6.0	188
138	Antigen-Dependent Integration of Opposing Proximal TCR-Signaling Cascades Determines the Functional Fate of T Lymphocytes. Journal of Immunology, 2014, 192, 2109-2119.	0.4	27
139	Clinical recovery from surgery correlates with single-cell immune signatures. Science Translational Medicine, 2014, 6, 255ra131.	5.8	285
140	NRAS G12V oncogene facilitates self-renewal in a murine model of acute myelogenous leukemia. Blood, 2014, 124, 3274-3283.	0.6	24
141	Single-Cell Trajectory Detection Uncovers Progression and Regulatory Coordination in Human B Cell Development. Cell, 2014, 157, 714-725.	13.5	838
142	Multiplexed ion beam imaging of human breast tumors. Nature Medicine, 2014, 20, 436-442.	15.2	881
143	Mass Cytometry to Decipher the Mechanism of Nongenetic Drug Resistance in Cancer. Current Topics in Microbiology and Immunology, 2014, 377, 85-94.	0.7	7
144	Single-cell mass cytometry of TCR signaling: Amplification of small initial differences results in low ERK activation in NOD mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16466-16471.	3.3	50

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145	Automated identification of stratifying signatures in cellular subpopulations. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2770-7.	3.3	421
146	Mass Cytometric Analysis of AML Stem and Early Progenitor Cells Reveals Karyotype and Genotype-Specific Immunophenotypes That May Represent Targets for Antibody-Directed Therapies. Blood, 2014, 124, 2380-2380.	0.6	3
147	Joint Modeling and Registration of Cell Populations in Cohorts of High-Dimensional Flow Cytometric Data. PLoS ONE, 2014, 9, e100334.	1.1	41
148	Mass Cytometric Analysis of AML Stem and Early Progenitor Cells Reveals Karyotype and Genotype-Specific Cell Cycle Properties That Correlate with Known Responses to Chemotherapy. Blood, 2014, 124, 2359-2359.	0.6	0
149	Profiling Myelodysplastic Syndromes By Mass Cytometry Demonstrates Distinct Immunophenotypic Aberrancies in Stem and Progenitor Populations. Blood, 2014, 124, 1903-1903.	0.6	0
150	Abstract B15: NRASG12V oncogene mediates self-renewal in a murine model of acute myelogenous leukemia. , 2014, , .		0
151	Single Cell Developmental Classification of B Cell Precursor Acute Lymphoblastic Leukemia (BCP ALL) Reveals Link Between Phenotype, Signaling, and Drug Response. Blood, 2014, 124, 488-488.	0.6	0
152	Single Cell Mass Cytometry Reveals Hyperactivated Signaling Networks in Myeloproliferative Neoplasms. Blood, 2014, 124, 1884-1884.	0.6	2
153	High-dimensional cytometry. Preface. Current Topics in Microbiology and Immunology, 2014, 377, vii-viii.	0.7	1
154	Single-cell mass cytometry for analysis of immune system functional states. Current Opinion in Immunology, 2013, 25, 484-494.	2.4	196
155	The transcriptional landscape of Î±Î² T cell differentiation. Nature Immunology, 2013, 14, 619-632.	7.0	256
156	viSNE enables visualization of high dimensional single-cell data and reveals phenotypic heterogeneity of leukemia. Nature Biotechnology, 2013, 31, 545-552.	9.4	1,481
157	The Systemic Immune State of Super-shedder Mice Is Characterized by a Unique Neutrophil-dependent Blunting of TH1 Responses. PLoS Pathogens, 2013, 9, e1003408.	2.1	29
158	Inner-outer beauty: DNA-binding surface tags as cellular barcodes. Nature Methods, 2013, 10, 399-401.	9.0	1
159	Involvement of Toso in activation of monocytes, macrophages, and granulocytes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2593-2598.	3.3	67
160	Normalization of mass cytometry data with bead standards. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2013, 83A, 483-494.	1.1	655
161	Snapin, Positive Regulator of Stimulation- Induced Ca2+ Release through RyR, Is Necessary for HIV-1 Replication in T Cells. PLoS ONE, 2013, 8, e75297.	1.1	5
162	Mass Cytometry Analysis Of Myelofibrosis and Secondary Acute Myeloid Leukemia Reveals Constitutive and Cytokine Induced Signaling Abnormalities With Differential Sensitivities To Ruxolitinib. Blood, 2013, 122, 1610-1610.	0.6	9

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163	Ras-Pathway Inhibition With Targeted Therapies Abrogates Self-Renewal In Acute Myelogenous Leukemia. Blood, 2013, 122, 819-819.	0.6	0
164	CytoSPADE: high-performance analysis and visualization of high-dimensional cytometry data. Bioinformatics, 2012, 28, 2400-2401.	1.8	44
165	Decoupling of Tumor-Initiating Activity from Stable Immunophenotype in HoxA9-Meis1-Driven AML. Cell Stem Cell, 2012, 10, 210-217.	5.2	55
166	Multiplexed mass cytometry profiling of cellular states perturbed by small-molecule regulators. Nature Biotechnology, 2012, 30, 858-867.	9.4	502
167	From single cells to deep phenotypes in cancer. Nature Biotechnology, 2012, 30, 639-647.	9.4	197
168	Cytometry by Time-of-Flight Shows Combinatorial Cytokine Expression and Virus-Specific Cell Niches within a Continuum of CD8+ T Cell Phenotypes. Immunity, 2012, 36, 142-152.	6.6	534
169	A deep profiler's guide to cytometry. Trends in Immunology, 2012, 33, 323-332.	2.9	596
170	COP9 Signalosome Component JAB1/CSN5 Is Necessary for T Cell Signaling through LFA-1 and HIV-1 Replication. PLoS ONE, 2012, 7, e41725.	1.1	9
171	Raman labeled nanoparticles: characterization of variability and improved method for unmixing. Journal of Raman Spectroscopy, 2012, 43, 895-905.	1.2	8
172	Singleâ€Cell Phosphoâ€Protein Analysis by Flow Cytometry. Current Protocols in Immunology, 2012, 96, Unit 8.17.1-20.	3.6	46
173	A platinumâ€based covalent viability reagent for singleâ€cell mass cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2012, 81A, 467-475.	1.1	177
174	Singleâ€cell mass cytometry adapted to measurements of the cell cycle. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2012, 81A, 552-566.	1.1	196
175	Single Cell Trajectory Detection Orders Hallmarks of Early Human B Cell Development. Blood, 2012, 120, 1044-1044.	0.6	3
176	Single Cell Mass Cytometry of Dysregulated Signaling Networks in Myeloproliferative Neoplasms and Secondary Acute Myeloid Leukemia. Blood, 2012, 120, 703-703.	0.6	1
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