

# Garry P Nolan

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

319  
papers

32,019  
citations

86  
h-index

175  
g-index

365  
ext. papers

38,916  
ext. citations

13.3  
avg, IF

7.21  
L-index

#	Paper	IF	Citations
3 <sup>19</sup>	CellSeg: a robust, pre-trained nucleus segmentation and pixel quantification software for highly multiplexed fluorescence images.. <i>BMC Bioinformatics</i> , <b>2022</b> , 23, 46	3.6	2
3 <sup>18</sup>	Improved instrumental techniques, including isotopic analysis, applicable to the characterization of unusual materials with potential relevance to aerospace forensics. <i>Progress in Aerospace Sciences</i> , <b>2022</b> , 128, 100788	8.8	
3 <sup>17</sup>	A Comprehensive Atlas of Immunological Differences Between Humans, Mice, and Non-Human Primates.. <i>Frontiers in Immunology</i> , <b>2022</b> , 13, 867015	8.4	4
3 <sup>16</sup>	MITI minimum information guidelines for highly multiplexed tissue images.. <i>Nature Methods</i> , <b>2022</b> , 19, 262-267	21.6	2
3 <sup>15</sup>	Variation of Immune Cell Responses in Humans Reveals Sex-Specific Coordinated Signaling Across Cell Types.. <i>Frontiers in Immunology</i> , <b>2022</b> , 13, 867016	8.4	1
3 <sup>14</sup>	Postmitotic G1 phase survivin drives mitogen-independent cell division of B lymphocytes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2115567119	11.5	0
3 <sup>13</sup>	Human influenza virus challenge identifies cellular correlates of protection for oral vaccination. <i>Cell Host and Microbe</i> , <b>2021</b> , 29, 1828-1837.e5	23.4	1
3 <sup>12</sup>	Spatial mapping of protein composition and tissue organization: a primer for multiplexed antibody-based imaging. <i>Nature Methods</i> , <b>2021</b> ,	21.6	6
3 <sup>11</sup>	Immune cell topography predicts response to PD-1 blockade in cutaneous T cell lymphoma. <i>Nature Communications</i> , <b>2021</b> , 12, 6726	17.4	10
3 <sup>10</sup>	Inflammatory molecular endotypes of nasal polyps derived from Caucasian and Japanese populations. <i>Journal of Allergy and Clinical Immunology</i> , <b>2021</b> ,	11.5	5
3 <sup>09</sup>	Tissue schematics map the specialization of immune tissue motifs and their appropriation by tumors. <i>Cell Systems</i> , <b>2021</b> ,	10.6	4
3 <sup>08</sup>	Highly multiplexed tissue imaging using repeated oligonucleotide exchange reaction. <i>European Journal of Immunology</i> , <b>2021</b> , 51, 1262-1277	6.1	11
3 <sup>07</sup>	Highly Multiplexed Phenotyping of Immunoregulatory Proteins in the Tumor Microenvironment by CODEX Tissue Imaging. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 687673	8.4	14
3 <sup>06</sup>	Virtual and augmented reality for biomedical applications. <i>Cell Reports Medicine</i> , <b>2021</b> , 2, 100348	18	13
3 <sup>05</sup>	Adjacent Cell Marker Lateral Spillover Compensation and Reinforcement for Multiplexed Images. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 652631	8.4	3
3 <sup>04</sup>	Frontiers in cancer immunotherapy-a symposium report. <i>Annals of the New York Academy of Sciences</i> , <b>2021</b> , 1489, 30-47	6.5	10
3 <sup>03</sup>	Nanosopic subcellular imaging enabled by ion beam tomography. <i>Nature Communications</i> , <b>2021</b> , 12, 789	17.4	4

302	Performance of BioFire array or QuickVue influenza A + B test versus a validation qPCR assay for detection of influenza A during a volunteer A/California/2009/H1N1 challenge study. <i>Virology Journal</i> , <b>2021</b> , 18, 45	6.1	1
301	Integrated plasma proteomic and single-cell immune signaling network signatures demarcate mild, moderate, and severe COVID-19 <b>2021</b> ,		3
300	CODEX multiplexed tissue imaging with DNA-conjugated antibodies. <i>Nature Protocols</i> , <b>2021</b> , 16, 3802-3835	8.5	20
299	Subcellular localization of biomolecules and drug distribution by high-definition ion beam imaging. <i>Nature Communications</i> , <b>2021</b> , 12, 4628	17.4	4
298	Strategies for Accurate Cell Type Identification in CODEX Multiplexed Imaging Data. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 727626	8.4	4
297	SARS-CoV-2 infects human pancreatic $\beta$ cells and elicits $\beta$ cell impairment. <i>Cell Metabolism</i> , <b>2021</b> , 33, 1565-1576.e5	24.6	64
296	Determinants of SARS-CoV-2 entry and replication in airway mucosal tissue and susceptibility in smokers. <i>Cell Reports Medicine</i> , <b>2021</b> , 2, 100421	18	5
295	Diminished cytokine-induced Jak/STAT signaling is associated with rheumatoid arthritis and disease activity. <i>PLoS ONE</i> , <b>2021</b> , 16, e0244187	3.7	7
294	Rhesus Macaque CODEX Multiplexed Immunohistochemistry Panel for Studying Immune Responses During Ebola Infection.. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 729845	8.4	0
293	Single-Cell Profiling of Ebola Virus Disease In Vivo Reveals Viral and Host Dynamics. <i>Cell</i> , <b>2020</b> , 183, 1383-1401.e19	56.1	519
292	Isotopically Encoded Nanotags for Multiplexed Ion Beam Imaging. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2000098	6.8	0
291	Ultra-high throughput single-cell analysis of proteins and RNAs by split-pool synthesis. <i>Communications Biology</i> , <b>2020</b> , 3, 213	6.7	7
290	Multi-omic single-cell snapshots reveal multiple independent trajectories to drug tolerance in a melanoma cell line. <i>Nature Communications</i> , <b>2020</b> , 11, 2345	17.4	36
289	Activation of JUN in fibroblasts promotes pro-fibrotic programme and modulates protective immunity. <i>Nature Communications</i> , <b>2020</b> , 11, 2795	17.4	32
288	A Cancer Biologist's Primer on Machine Learning Applications in High-Dimensional Cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2020</b> , 97, 782-799	4.6	10
287	Multimodal Analysis of Composition and Spatial Architecture in Human Squamous Cell Carcinoma. <i>Cell</i> , <b>2020</b> , 182, 497-514.e22	56.2	131
286	Deep profiling of apoptotic pathways with mass cytometry identifies a synergistic drug combination for killing myeloma cells. <i>Cell Death and Differentiation</i> , <b>2020</b> , 27, 2217-2233	12.7	18
285	Enabling Technologies for Personalized and Precision Medicine. <i>Trends in Biotechnology</i> , <b>2020</b> , 38, 497-518	8.1	71

284	Immunologic timeline of Ebola virus disease and recovery in humans. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	14
283	Landscape of coordinated immune responses to H1N1 challenge in humans. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 5800-5816	15.9	8
282	Robust ACE2 protein expression localizes to the motile cilia of the respiratory tract epithelia and is not increased by ACE inhibitors or angiotensin receptor blockers <b>2020</b> ,		18
281	Profiling myelodysplastic syndromes by mass cytometry demonstrates abnormal progenitor cell phenotype and differentiation. <i>Cytometry Part B - Clinical Cytometry</i> , <b>2020</b> , 98, 131-145	3.4	15
280	FLOW-MAP: a graph-based, force-directed layout algorithm for trajectory mapping in single-cell time course datasets. <i>Nature Protocols</i> , <b>2020</b> , 15, 398-420	18.8	5
279	Integration of mechanistic immunological knowledge into a machine learning pipeline improves predictions. <i>Nature Machine Intelligence</i> , <b>2020</b> , 2, 619-628	22.5	24
278	Coordinated Cellular Neighborhoods Orchestrate Antitumoral Immunity at the Colorectal Cancer Invasive Front. <i>Cell</i> , <b>2020</b> , 182, 1341-1359.e19	56.2	132
277	ACE2 localizes to the respiratory cilia and is not increased by ACE inhibitors or ARBs. <i>Nature Communications</i> , <b>2020</b> , 11, 5453	17.4	100
276	Functional comparison of PBMCs isolated by Cell Preparation Tubes (CPT) vs. Lymphoprep Tubes. <i>BMC Immunology</i> , <b>2020</b> , 21, 15	3.7	9
275	Identification of NK Cell Subpopulations That Differentiate HIV-Infected Subject Cohorts with Diverse Levels of Virus Control. <i>Journal of Virology</i> , <b>2019</b> , 93,	6.6	21
274	Scalable Conjugation and Characterization of Immunoglobulins with Stable Mass Isotope Reporters for Single-Cell Mass Cytometry Analysis. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1989, 55-81	1.4	16
273	Role for polo-like kinase 4 in mediation of cytokinesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 11309-11318	11.5	19
272	Multiplexed profiling of RNA and protein expression signatures in individual cells using flow or mass cytometry. <i>Nature Protocols</i> , <b>2019</b> , 14, 901-920	18.8	16
271	Proliferation tracing with single-cell mass cytometry optimizes generation of stem cell memory-like T cells. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 259-266	44.5	33
270	Multimomics modeling of the immunome, transcriptome, microbiome, proteome and metabolome adaptations during human pregnancy. <i>Bioinformatics</i> , <b>2019</b> , 35, 95-103	7.2	54
269	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. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 68, 1388-1393	11.6	14
268	MIBI-TOF: A multiplexed imaging platform relates cellular phenotypes and tissue structure. <i>Science Advances</i> , <b>2019</b> , 5, eaax5851	14.3	100
267	Sex Differences in the Blood Transcriptome Identify Robust Changes in Immune Cell Proportions with Aging and Influenza Infection. <i>Cell Reports</i> , <b>2019</b> , 29, 1961-1973.e4	10.6	35

266	Cellular Signaling Analysis shows antiviral, ribavirin-mediated ribosomal signaling modulation. <i>Antiviral Research</i> , <b>2019</b> , 171, 104598	10.8	2
265	Dynamics of the Cutaneous T Cell Lymphoma Microenvironment in Patients Treated with Pembrolizumab Revealed By Highly Multiplexed Tissue Imaging. <i>Blood</i> , <b>2019</b> , 134, 1521-1521	2.2	4
264	TRAIL-induced variation of cell signaling states provides nonheritable resistance to apoptosis. <i>Life Science Alliance</i> , <b>2019</b> , 2,	5.8	6
263	Innovative Technologies for Advancement of WHO Risk Group 4 Pathogens Research <b>2019</b> , 437-469		3
262	Denisovan, modern human and mouse TNFAIP3 alleles tune A20 phosphorylation and immunity. <i>Nature Immunology</i> , <b>2019</b> , 20, 1299-1310	19.1	29
261	A topological view of human CD34 cell state trajectories from integrated single-cell output and proteomic data. <i>Blood</i> , <b>2019</b> , 133, 927-939	2.2	8
260	Single-cell developmental classification of B cell precursor acute lymphoblastic leukemia at diagnosis reveals predictors of relapse. <i>Nature Medicine</i> , <b>2018</b> , 24, 474-483	50.5	68
259	Single-cell mass cytometry reveals distinct populations of brain myeloid cells in mouse neuroinflammation and neurodegeneration models. <i>Nature Neuroscience</i> , <b>2018</b> , 21, 541-551	25.5	164
258	DRUG-NEM: Optimizing drug combinations using single-cell perturbation response to account for intratumoral heterogeneity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E4294-E4303	11.5	31
257	Commonly Occurring Cell Subsets in High-Grade Serous Ovarian Tumors Identified by Single-Cell Mass Cytometry. <i>Cell Reports</i> , <b>2018</b> , 22, 1875-1888	10.6	59
256	The Atacama skeleton. <i>Genome Research</i> , <b>2018</b> , 28, 607-608	9.7	5
255	Whole-genome sequencing of Atacama skeleton shows novel mutations linked with dysplasia. <i>Genome Research</i> , <b>2018</b> , 28, 423-431	9.7	14
254	MetaCyto: A Tool for Automated Meta-analysis of Mass and Flow Cytometry Data. <i>Cell Reports</i> , <b>2018</b> , 24, 1377-1388	10.6	27
253	Deep Profiling of Mouse Splenic Architecture with CODEX Multiplexed Imaging. <i>Cell</i> , <b>2018</b> , 174, 968-981	15.15	440
252	Three-dimensional intact-tissue sequencing of single-cell transcriptional states. <i>Science</i> , <b>2018</b> , 361,	33.3	482
251	Dynamics of the Bone Marrow Microenvironment during Leukemic Progression Revealed By Codex Hyper-Parameter Tissue Imaging. <i>Blood</i> , <b>2018</b> , 132, 935-935	2.2	6
250	SRC/ABL inhibition disrupts CRLF2-driven signaling to induce cell death in B-cell acute lymphoblastic leukemia. <i>Oncotarget</i> , <b>2018</b> , 9, 22872-22885	3.3	5
249	Glucocorticoids-Resistant Leukemic B-Cells Undergo a Phenotypic Change That Increases Sensitivity to SRC/ABL Inhibition. <i>Blood</i> , <b>2018</b> , 132, 1546-1546	2.2	

248	Defining human cardiac transcription factor hierarchies using integrated single-cell heterogeneity analysis. <i>Nature Communications</i> , <b>2018</b> , 9, 4906	17.4	83
247	Complex mammalian-like haematopoietic system found in a colonial chordate. <i>Nature</i> , <b>2018</b> , 564, 425-429	29.4	34
246	Metal-isotope-tagged monoclonal antibodies for high-dimensional mass cytometry. <i>Nature Protocols</i> , <b>2018</b> , 13, 2121-2148	18.8	105
245	GateFinder: projection-based gating strategy optimization for flow and mass cytometry. <i>Bioinformatics</i> , <b>2018</b> , 34, 4131-4133	7.2	17
244	Microsphere cytometry to interrogate microenvironment-dependent cell signaling. <i>Integrative Biology (United Kingdom)</i> , <b>2017</b> , 9, 123-134	3.7	2
243	High-throughput precision measurement of subcellular localization in single cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2017</b> , 91, 180-189	4.6	11
242	Systemic Immunity Is Required for Effective Cancer Immunotherapy. <i>Cell</i> , <b>2017</b> , 168, 487-502.e15	56.2	484
241	EBI3 regulates the NK cell response to mouse cytomegalovirus infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 1625-1630	11.5	8
240	Expression of specific inflammasome gene modules stratifies older individuals into two extreme clinical and immunological states. <i>Nature Medicine</i> , <b>2017</b> , 23, 174-184	50.5	204
239	High-resolution myogenic lineage mapping by single-cell mass cytometry. <i>Nature Cell Biology</i> , <b>2017</b> , 19, 558-567	23.4	79
238	Unifying mechanism for different fibrotic diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 4757-4762	11.5	99
237	AN UPDATED DEBARCODING TOOL FOR MASS CYTOMETRY WITH CELL TYPE-SPECIFIC AND CELL SAMPLE-SPECIFIC STRINGENCY ADJUSTMENT. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , <b>2017</b> , 22, 588-598	1.3	17
236	Distinct signaling programs control human hematopoietic stem cell survival and proliferation. <i>Blood</i> , <b>2017</b> , 129, 307-318	2.2	29
235	The Human Cell Atlas <b>2017</b> ,		41
234	Jak1 Integrates Cytokine Sensing to Regulate Hematopoietic Stem Cell Function and Stress Hematopoiesis. <i>Cell Stem Cell</i> , <b>2017</b> , 21, 489-501.e7	18	35
233	Scalable multi-sample single-cell data analysis by Partition-Assisted Clustering and Multiple Alignments of Networks. <i>PLoS Computational Biology</i> , <b>2017</b> , 13, e1005875	5	8
232	An immune clock of human pregnancy. <i>Science Immunology</i> , <b>2017</b> , 2,	28	209
231	Upregulation of Human Endogenous Retrovirus-K Is Linked to Immunity and Inflammation in Pulmonary Arterial Hypertension. <i>Circulation</i> , <b>2017</b> , 136, 1920-1935	16.7	24

230	Deep Immune Profiling of an Arginine-Enriched Nutritional Intervention in Patients Undergoing Surgery. <i>Journal of Immunology</i> , <b>2017</b> ,	5.3	15
229	High-Dimensional Phenotypic Mapping of Human Dendritic Cells Reveals Interindividual Variation and Tissue Specialization. <i>Immunity</i> , <b>2017</b> , 47, 1037-1050.e6	32.3	166
228	A gut bacterial pathway metabolizes aromatic amino acids into nine circulating metabolites. <i>Nature</i> , <b>2017</b> , 551, 648-652	50.4	438
227	NKG2D ligand expression in Crohn's disease and NKG2D-dependent stimulation of CD8 T cell migration. <i>Experimental and Molecular Pathology</i> , <b>2017</b> , 103, 56-70	4.4	10
226	In silico modeling identifies CD45 as a regulator of IL-2 synergy in the NKG2D-mediated activation of immature human NK cells. <i>Science Signaling</i> , <b>2017</b> , 10,	8.8	14
225	The Human Cell Atlas. <i>ELife</i> , <b>2017</b> , 6,	8.9	937
224	Author response: The Human Cell Atlas <b>2017</b> ,		10
223	Atomic mass tag of bismuth-209 for increasing the immunoassay multiplexing capacity of mass cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2017</b> , 91, 1150-1163	4.6	28
222	Mutant IDH1 Downregulates ATM and Alters DNA Repair and Sensitivity to DNA Damage Independent of TET2. <i>Cancer Cell</i> , <b>2016</b> , 30, 337-348	24.3	121
221	Mapping the Fetomaternal Peripheral Immune System at Term Pregnancy. <i>Journal of Immunology</i> , <b>2016</b> , 197, 4482-4492	5.3	25
220	Visualization and cellular hierarchy inference of single-cell data using SPADE. <i>Nature Protocols</i> , <b>2016</b> , 11, 1264-79	18.8	76
219	Highly multiplexed simultaneous detection of RNAs and proteins in single cells. <i>Nature Methods</i> , <b>2016</b> , 13, 269-75	21.6	218
218	Coordinate actions of innate immune responses oppose those of the adaptive immune system during Salmonella infection of mice. <i>Science Signaling</i> , <b>2016</b> , 9, ra4	8.8	15
217	JAK1 As a Convergent Regulator of Hematopoietic Stem Cell Function and Stress Hematopoiesis. <i>Blood</i> , <b>2016</b> , 128, 722-722	2.2	2
216	High Resolution Mapping of Human Lymphopoiesis Reveals a Common Lymphoid Progenitor (CLP) Population. <i>Blood</i> , <b>2016</b> , 128, 1473-1473	2.2	1
215	Automated mapping of phenotype space with single-cell data. <i>Nature Methods</i> , <b>2016</b> , 13, 493-6	21.6	200
214	Mass Cytometry: Single Cells, Many Features. <i>Cell</i> , <b>2016</b> , 165, 780-91	56.2	663
213	A benchmark for evaluation of algorithms for identification of cellular correlates of clinical outcomes. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2016</b> , 89, 16-21	4.6	51

212	Mass Cytometric Functional Profiling of Acute Myeloid Leukemia Defines Cell-Cycle and Immunophenotypic Properties That Correlate with Known Responses to Therapy. <i>Cancer Discovery</i> , <b>2015</b> , 5, 988-1003	24.4	69
211	IMMUNOLOGY. An interactive reference framework for modeling a dynamic immune system. <i>Science</i> , <b>2015</b> , 349, 1259425	33.3	167
210	mir-181a-1/b-1 Modulates Tolerance through Opposing Activities in Selection and Peripheral T Cell Function. <i>Journal of Immunology</i> , <b>2015</b> , 195, 1470-9	5.3	35
209	Data-Driven Phenotypic Dissection of AML Reveals Progenitor-like Cells that Correlate with Prognosis. <i>Cell</i> , <b>2015</b> , 162, 184-97	56.2	994
208	A continuous molecular roadmap to iPSC reprogramming through progression analysis of single-cell mass cytometry. <i>Cell Stem Cell</i> , <b>2015</b> , 16, 323-37	18	147
207	Early reprogramming regulators identified by prospective isolation and mass cytometry. <i>Nature</i> , <b>2015</b> , 521, 352-6	50.4	81
206	Synthetically Modified Viral Capsids as Versatile Carriers for Use in Antibody-Based Cell Targeting. <i>Bioconjugate Chemistry</i> , <b>2015</b> , 26, 1590-6	6.3	29
205	Deletions in the cytoplasmic domain of iRhom1 and iRhom2 promote shedding of the TNF receptor by the protease ADAM17. <i>Science Signaling</i> , <b>2015</b> , 8, ra109	8.8	38
204	T-cell STAT3 is required for the maintenance of humoral immunity to LCMV. <i>European Journal of Immunology</i> , <b>2015</b> , 45, 418-27	6.1	15
203	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. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2015</b> , 87, 817-29	4.6	30
202	Patient-specific Immune States before Surgery Are Strong Correlates of Surgical Recovery. <i>Anesthesiology</i> , <b>2015</b> , 123, 1241-55	4.3	49
201	Reversibility of Defective Hematopoiesis Caused by Telomere Shortening in Telomerase Knockout Mice. <i>PLoS ONE</i> , <b>2015</b> , 10, e0131722	3.7	16
200	Unipotent Megakaryopoietic Pathway Bridging Hematopoietic Stem Cells and Mature Megakaryocytes. <i>Stem Cells</i> , <b>2015</b> , 33, 2196-207	5.8	40
199	Single-cell systems-level analysis of human Toll-like receptor activation defines a chemokine signature in patients with systemic lupus erythematosus. <i>Journal of Allergy and Clinical Immunology</i> , <b>2015</b> , 136, 1326-36	11.5	57
198	Mass cytometry as a platform for the discovery of cellular biomarkers to guide effective rheumatic disease therapy. <i>Arthritis Research and Therapy</i> , <b>2015</b> , 17, 127	5.7	41
197	Nomenclature of Toso, Fas apoptosis inhibitory molecule 3, and IgM FcR. <i>Journal of Immunology</i> , <b>2015</b> , 194, 4055-7	5.3	13
196	Palladium-based mass tag cell barcoding with a doublet-filtering scheme and single-cell deconvolution algorithm. <i>Nature Protocols</i> , <b>2015</b> , 10, 316-33	18.8	314
195	Role of the Histone Deacetylase Inhibitor Givinostat (ITF2357) in Treatment of CRLF2 Rearranged Acute Lymphoblastic Leukemia. <i>Blood</i> , <b>2015</b> , 126, 2534-2534	2.2	1



194	Increased Frequency of Cells with Activated Ribosomal Protein S6 at Diagnosis Associates with MRD Positivity and Relapse in Childhood BCP ALL. <i>Blood</i> , <b>2015</b> , 126, 2616-2616	2.2	
193	Mass Cytometry Analysis Dissects CRLF2-Driven Signaling Pathways in Childhood B-Cell Precursor Acute Lymphoblastic Leukemia (BCP-ALL). <i>Blood</i> , <b>2015</b> , 126, 906-906	2.2	
192	Single-cell trajectory detection uncovers progression and regulatory coordination in human B cell development. <i>Cell</i> , <b>2014</b> , 157, 714-25	56.2	646
191	Multiplexed ion beam imaging of human breast tumors. <i>Nature Medicine</i> , <b>2014</b> , 20, 436-42	50.5	592
190	Mass cytometry to decipher the mechanism of nongenetic drug resistance in cancer. <i>Current Topics in Microbiology and Immunology</i> , <b>2014</b> , 377, 85-94	3.3	7
189	Single-cell mass cytometry of TCR signaling: amplification of small initial differences results in low ERK activation in NOD mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 16466-71	11.5	44
188	Automated identification of stratifying signatures in cellular subpopulations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E2770-7	11.5	295
187	Single-cell mass cytometry analysis of human tonsil T cell remodeling by varicella zoster virus. <i>Cell Reports</i> , <b>2014</b> , 8, 633-45	10.6	65
186	Transient partial permeabilization with saponin enables cellular barcoding prior to surface marker staining. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2014</b> , 85, 1011-4	4.6	87
185	Systems biology. Conditional density-based analysis of T cell signaling in single-cell data. <i>Science</i> , <b>2014</b> , 346, 1250689	33.3	142
184	Antigen-dependent integration of opposing proximal TCR-signaling cascades determines the functional fate of T lymphocytes. <i>Journal of Immunology</i> , <b>2014</b> , 192, 2109-19	5.3	24
183	Clinical recovery from surgery correlates with single-cell immune signatures. <i>Science Translational Medicine</i> , <b>2014</b> , 6, 255ra131	17.5	215
182	NRASG12V oncogene facilitates self-renewal in a murine model of acute myelogenous leukemia. <i>Blood</i> , <b>2014</b> , 124, 3274-83	2.2	20
181	Mass Cytometric Analysis of AML Stem and Early Progenitor Cells Reveals Karyotype and Genotype-Specific Immunophenotypes That May Represent Targets for Antibody-Directed Therapies. <i>Blood</i> , <b>2014</b> , 124, 2380-2380	2.2	1
180	Joint modeling and registration of cell populations in cohorts of high-dimensional flow cytometric data. <i>PLoS ONE</i> , <b>2014</b> , 9, e100334	3.7	37
179	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. <i>Blood</i> , <b>2014</b> , 124, 2359-2359	2.2	
178	Profiling Myelodysplastic Syndromes By Mass Cytometry Demonstrates Distinct Immunophenotypic Aberrancies in Stem and Progenitor Populations. <i>Blood</i> , <b>2014</b> , 124, 1903-1903	2.2	
177	Single Cell Developmental Classification of B Cell Precursor Acute Lymphoblastic Leukemia (BCP ALL) Reveals Link Between Phenotype, Signaling, and Drug Response. <i>Blood</i> , <b>2014</b> , 124, 488-488	2.2	

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