

Garry P Nolan

List of Publications by Citations

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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
319	Single-cell mass cytometry of differential immune and drug responses across a human hematopoietic continuum. <i>Science</i> , 2011 , 332, 687-96	33.3	1693
318	viSNE enables visualization of high dimensional single-cell data and reveals phenotypic heterogeneity of leukemia. <i>Nature Biotechnology</i> , 2013 , 31, 545-52	44.5	1121
317	Causal protein-signaling networks derived from multiparameter single-cell data. <i>Science</i> , 2005 , 308, 523-9	33.3	1020
316	Data-Driven Phenotypic Dissection of AML Reveals Progenitor-like Cells that Correlate with Prognosis. <i>Cell</i> , 2015 , 162, 184-97	56.2	994
315	The Human Cell Atlas. <i>ELife</i> , 2017 , 6,	8.9	937
314	Cloning of the p50 DNA binding subunit of NF-kappa B: homology to rel and dorsal. <i>Cell</i> , 1990 , 62, 1019-30	30.2	856
313	Extracting a cellular hierarchy from high-dimensional cytometry data with SPADE. <i>Nature Biotechnology</i> , 2011 , 29, 886-91	44.5	694
312	Mass Cytometry: Single Cells, Many Features. <i>Cell</i> , 2016 , 165, 780-91	56.2	663
311	Episomal vectors rapidly and stably produce high-titer recombinant retrovirus. <i>Human Gene Therapy</i> , 1996 , 7, 1405-13	4.8	660
310	Single-cell trajectory detection uncovers progression and regulatory coordination in human B cell development. <i>Cell</i> , 2014 , 157, 714-25	56.2	646
309	Single cell profiling of potentiated phospho-protein networks in cancer cells. <i>Cell</i> , 2004 , 118, 217-28	56.2	604
308	DNA binding and I kappa B inhibition of the cloned p65 subunit of NF-kappa B, a rel-related polypeptide. <i>Cell</i> , 1991 , 64, 961-9	56.2	594
307	Multiplexed ion beam imaging of human breast tumors. <i>Nature Medicine</i> , 2014 , 20, 436-42	50.5	592
306	NF-AT components define a family of transcription factors targeted in T-cell activation. <i>Nature</i> , 1994 , 369, 497-502	50.4	530
305	A deep profiler's guide to cytometry. <i>Trends in Immunology</i> , 2012 , 33, 323-32	14.4	495
304	Systemic Immunity Is Required for Effective Cancer Immunotherapy. <i>Cell</i> , 2017 , 168, 487-502.e15	56.2	484
303	Three-dimensional intact-tissue sequencing of single-cell transcriptional states. <i>Science</i> , 2018 , 361,	33.3	482

302	Cytometry by time-of-flight shows combinatorial cytokine expression and virus-specific cell niches within a continuum of CD8+ T cell phenotypes. <i>Immunity</i> , 2012 , 36, 142-52	32.3	461
301	Intracellular phospho-protein staining techniques for flow cytometry: monitoring single cell signaling events. <i>Cytometry</i> , 2003 , 55, 61-70		447
300	Deep Profiling of Mouse Splenic Architecture with CODEX Multiplexed Imaging. <i>Cell</i> , 2018 , 174, 968-981	36.5	440
299	A gut bacterial pathway metabolizes aromatic amino acids into nine circulating metabolites. <i>Nature</i> , 2017 , 551, 648-652	50.4	438
298	Normalization of mass cytometry data with bead standards. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013 , 83, 483-94	4.6	433
297	Fluorescent cell barcoding in flow cytometry allows high-throughput drug screening and signaling profiling. <i>Nature Methods</i> , 2006 , 3, 361-8	21.6	421
296	Computational solutions to large-scale data management and analysis. <i>Nature Reviews Genetics</i> , 2010 , 11, 647-57	30.1	416
295	Multiplexed mass cytometry profiling of cellular states perturbed by small-molecule regulators. <i>Nature Biotechnology</i> , 2012 , 30, 858-67	44.5	395
294	Palladium-based mass tag cell barcoding with a doublet-filtering scheme and single-cell deconvolution algorithm. <i>Nature Protocols</i> , 2015 , 10, 316-33	18.8	314
293	Automated identification of stratifying signatures in cellular subpopulations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E2770-7	11.5	295
292	Analysis of protein phosphorylation and cellular signaling events by flow cytometry: techniques and clinical applications. <i>Clinical Immunology</i> , 2004 , 110, 206-21	9	274
291	Novel mutations in the inhibitory adaptor protein LNK drive JAK-STAT signaling in patients with myeloproliferative neoplasms. <i>Blood</i> , 2010 , 116, 988-92	2.2	271
290	The T cell activation factor NF-ATc positively regulates HIV-1 replication and gene expression in T cells. <i>Immunity</i> , 1997 , 6, 235-44	32.3	266
289	Mapping normal and cancer cell signalling networks: towards single-cell proteomics. <i>Nature Reviews Cancer</i> , 2006 , 6, 146-55	31.3	265
288	Structural linkage between ligand discrimination and receptor activation by type I interferons. <i>Cell</i> , 2011 , 146, 621-32	56.2	253
287	NF-kappaB to the rescue: RELs, apoptosis and cellular transformation. <i>Trends in Genetics</i> , 1999 , 15, 229-35	35.5	244
286	Inhibition of T cell and promotion of natural killer cell development by the dominant negative helix loop helix factor Id3. <i>Journal of Experimental Medicine</i> , 1997 , 186, 1597-602	16.6	243
285	Simultaneous measurement of multiple active kinase states using polychromatic flow cytometry. <i>Nature Biotechnology</i> , 2002 , 20, 155-62	44.5	233

284	Local delivery of interleukin 4 by retrovirus-transduced T lymphocytes ameliorates experimental autoimmune encephalomyelitis. <i>Journal of Experimental Medicine</i> , 1997 , 185, 1711-4	16.6	232
283	Phosphoproteomic analysis reveals interconnected system-wide responses to perturbations of kinases and phosphatases in yeast. <i>Science Signaling</i> , 2010 , 3, rs4	8.8	229
282	Highly multiplexed simultaneous detection of RNAs and proteins in single cells. <i>Nature Methods</i> , 2016 , 13, 269-75	21.6	218
281	Clinical recovery from surgery correlates with single-cell immune signatures. <i>Science Translational Medicine</i> , 2014 , 6, 255ra131	17.5	215
280	Chemical labeling strategies for cell biology. <i>Nature Methods</i> , 2006 , 3, 591-6	21.6	211
279	An immune clock of human pregnancy. <i>Science Immunology</i> , 2017 , 2,	28	209
278	Expression of specific inflammasome gene modules stratifies older individuals into two extreme clinical and immunological states. <i>Nature Medicine</i> , 2017 , 23, 174-184	50.5	204
277	Host control of HIV-1 parasitism in T cells by the nuclear factor of activated T cells. <i>Cell</i> , 1998 , 95, 595-604	46.2	200
276	Automated mapping of phenotype space with single-cell data. <i>Nature Methods</i> , 2016 , 13, 493-6	21.6	200
275	Rapid production of retroviruses for efficient gene delivery to mammalian cells using 293T cell-based systems. <i>Current Protocols in Immunology</i> , 2001 , Chapter 10, Unit 10.17C	4	199
274	The transcriptional landscape of γ T cell differentiation. <i>Nature Immunology</i> , 2013 , 14, 619-32	19.1	197
273	Toso, a cell surface, specific regulator of Fas-induced apoptosis in T cells. <i>Immunity</i> , 1998 , 8, 461-71	32.3	195
272	Single-cell profiling identifies aberrant STAT5 activation in myeloid malignancies with specific clinical and biologic correlates. <i>Cancer Cell</i> , 2008 , 14, 335-43	24.3	195
271	Chemical combination effects predict connectivity in biological systems. <i>Molecular Systems Biology</i> , 2007 , 3, 80	12.2	194
270	The inhibitory ankyrin and activator Rel proteins. <i>Current Opinion in Genetics and Development</i> , 1992 , 2, 211-20	4.9	186
269	Leukocyte functional antigen 1 lowers T cell activation thresholds and signaling through cytohesin-1 and Jun-activating binding protein 1. <i>Nature Immunology</i> , 2003 , 4, 1083-92	19.1	183
268	Improved FACS-Gal: flow cytometric analysis and sorting of viable eukaryotic cells expressing reporter gene constructs. <i>Cytometry</i> , 1991 , 12, 291-301		178
267	From single cells to deep phenotypes in cancer. <i>Nature Biotechnology</i> , 2012 , 30, 639-47	44.5	177

266	High-content single-cell drug screening with phosphospecific flow cytometry. <i>Nature Chemical Biology</i> , 2008 , 4, 132-42	11.7	168
265	IMMUNOLOGY. An interactive reference framework for modeling a dynamic immune system. <i>Science</i> , 2015 , 349, 1259425	33.3	167
264	High-Dimensional Phenotypic Mapping of Human Dendritic Cells Reveals Interindividual Variation and Tissue Specialization. <i>Immunity</i> , 2017 , 47, 1037-1050.e6	32.3	166
263	Wnt signaling is required for thymocyte development and activates Tcf-1 mediated transcription. <i>European Journal of Immunology</i> , 2001 , 31, 285-93	6.1	166
262	Single-cell mass cytometry reveals distinct populations of brain myeloid cells in mouse neuroinflammation and neurodegeneration models. <i>Nature Neuroscience</i> , 2018 , 21, 541-551	25.5	164
261	Single-cell mass cytometry adapted to measurements of the cell cycle. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2012 , 81, 552-66	4.6	154
260	Single-cell mass cytometry for analysis of immune system functional states. <i>Current Opinion in Immunology</i> , 2013 , 25, 484-94	7.8	151
259	A continuous molecular roadmap to iPSC reprogramming through progression analysis of single-cell mass cytometry. <i>Cell Stem Cell</i> , 2015 , 16, 323-37	18	147
258	A platinum-based covalent viability reagent for single-cell mass cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2012 , 81, 467-75	4.6	147
257	Systems biology. Conditional density-based analysis of T cell signaling in single-cell data. <i>Science</i> , 2014 , 346, 1250689	33.3	142
256	Coordinated Cellular Neighborhoods Orchestrate Antitumoral Immunity at the Colorectal Cancer Invasive Front. <i>Cell</i> , 2020 , 182, 1341-1359.e19	56.2	132
255	Multimodal Analysis of Composition and Spatial Architecture in Human Squamous Cell Carcinoma. <i>Cell</i> , 2020 , 182, 497-514.e22	56.2	131
254	Mammalian target of rapamycin controls dendritic cell development downstream of Flt3 ligand signaling. <i>Immunity</i> , 2010 , 33, 597-606	32.3	124
253	B-cell signaling networks reveal a negative prognostic human lymphoma cell subset that emerges during tumor progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 12747-54	11.5	123
252	The initial phase of an immune response functions to activate regulatory T cells. <i>Journal of Immunology</i> , 2009 , 183, 332-9	5.3	123
251	Mutant IDH1 Downregulates ATM and Alters DNA Repair and Sensitivity to DNA Damage Independent of TET2. <i>Cancer Cell</i> , 2016 , 30, 337-348	24.3	121
250	Altered B-cell receptor signaling kinetics distinguish human follicular lymphoma B cells from tumor-infiltrating nonmalignant B cells. <i>Blood</i> , 2006 , 108, 3135-42	2.2	116
249	Identification of RIP3, a RIP-like kinase that activates apoptosis and NFkappaB. <i>Current Biology</i> , 1999 , 9, 539-42	6.3	116

248	Generation of retroviral vector for clinical studies using transient transfection. <i>Human Gene Therapy</i> , 1999 , 10, 123-32	4.8	115
247	Luminescent imaging of beta-galactosidase activity in living subjects using sequential reporter-enzyme luminescence. <i>Nature Methods</i> , 2006 , 3, 295-301	21.6	111
246	Coordinate analysis of murine immune cell surface markers and intracellular phosphoproteins by flow cytometry. <i>Journal of Immunology</i> , 2005 , 175, 2357-65	5.3	111
245	Combination angiostatin and endostatin gene transfer induces synergistic antiangiogenic activity in vitro and antitumor efficacy in leukemia and solid tumors in mice. <i>Molecular Therapy</i> , 2001 , 3, 186-96	11.7	106
244	Metal-isotope-tagged monoclonal antibodies for high-dimensional mass cytometry. <i>Nature Protocols</i> , 2018 , 13, 2121-2148	18.8	105
243	Activation of the PKB/AKT pathway by ICAM-2. <i>Immunity</i> , 2002 , 16, 51-65	32.3	104
242	MIBI-TOF: A multiplexed imaging platform relates cellular phenotypes and tissue structure. <i>Science Advances</i> , 2019 , 5, eaax5851	14.3	100
241	ACE2 localizes to the respiratory cilia and is not increased by ACE inhibitors or ARBs. <i>Nature Communications</i> , 2020 , 11, 5453	17.4	100
240	Unifying mechanism for different fibrotic diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 4757-4762	11.5	99
239	Targeting rare populations of murine antigen-specific T lymphocytes by retroviral transduction for potential application in gene therapy for autoimmune disease. <i>Journal of Immunology</i> , 2000 , 164, 3581-90	5.3	96
238	K-RasG12D expression induces hyperproliferation and aberrant signaling in primary hematopoietic stem/progenitor cells. <i>Blood</i> , 2007 , 109, 3945-52	2.2	94
237	Kinetics of B cell receptor signaling in human B cell subsets mapped by phosphospecific flow cytometry. <i>Journal of Immunology</i> , 2006 , 177, 1581-9	5.3	91
236	Characterization of the murine immunological signaling network with phosphospecific flow cytometry. <i>Journal of Immunology</i> , 2005 , 175, 2366-73	5.3	88
235	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> , 2014 , 85, 1011-9	4.6	87
234	A general approach for chemical labeling and rapid, spatially controlled protein inactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 9982-7	11.5	87
233	Defining human cardiac transcription factor hierarchies using integrated single-cell heterogeneity analysis. <i>Nature Communications</i> , 2018 , 9, 4906	17.4	83
232	Early reprogramming regulators identified by prospective isolation and mass cytometry. <i>Nature</i> , 2015 , 521, 352-6	50.4	81
231	Phospho-proteomic immune analysis by flow cytometry: from mechanism to translational medicine at the single-cell level. <i>Immunological Reviews</i> , 2006 , 210, 208-28	11.3	81

230	Dominant effector genetics in mammalian cells. <i>Nature Genetics</i> , 2001 , 27, 23-9	36.3	81
229	High-resolution myogenic lineage mapping by single-cell mass cytometry. <i>Nature Cell Biology</i> , 2017 , 19, 558-567	23.4	79
228	Genomic and proteomic analysis reveals a threshold level of MYC required for tumor maintenance. <i>Cancer Research</i> , 2008 , 68, 5132-42	10.1	79
227	Retroviral transduction of a T cell receptor specific for an Epstein-Barr virus-encoded peptide. <i>Clinical Immunology</i> , 2001 , 98, 220-8	9	78
226	Visualization and cellular hierarchy inference of single-cell data using SPADE. <i>Nature Protocols</i> , 2016 , 11, 1264-79	18.8	76
225	Transglutaminase 1 delivery to lamellar ichthyosis keratinocytes. <i>Human Gene Therapy</i> , 1996 , 7, 2247-53	4.8	75
224	Global transcriptional response to interferon is a determinant of HCV treatment outcome and is modified by race. <i>Hepatology</i> , 2006 , 44, 352-9	11.2	74
223	Enabling Technologies for Personalized and Precision Medicine. <i>Trends in Biotechnology</i> , 2020 , 38, 497-518	18.1	71
222	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> , 2015 , 5, 988-1003	24.4	69
221	Single-cell developmental classification of B cell precursor acute lymphoblastic leukemia at diagnosis reveals predictors of relapse. <i>Nature Medicine</i> , 2018 , 24, 474-483	50.5	68
220	Flow cytometric analysis of kinase signaling cascades. <i>Methods in Molecular Biology</i> , 2004 , 263, 67-94	1.4	67
219	Single-cell mass cytometry analysis of human tonsil T cell remodeling by varicella zoster virus. <i>Cell Reports</i> , 2014 , 8, 633-45	10.6	65
218	Phospho flow cytometry methods for the analysis of kinase signaling in cell lines and primary human blood samples. <i>Methods in Molecular Biology</i> , 2011 , 699, 179-202	1.4	64
217	SARS-CoV-2 infects human pancreatic β cells and elicits β cell impairment. <i>Cell Metabolism</i> , 2021 , 33, 1565-1576.e5	24.6	64
216	What's wrong with drug screening today. <i>Nature Chemical Biology</i> , 2007 , 3, 187-91	11.7	63
215	The ERK mitogen-activated protein kinase pathway contributes to Ebola virus glycoprotein-induced cytotoxicity. <i>Journal of Virology</i> , 2007 , 81, 1230-40	6.6	63
214	Flt3 Y591 duplication and Bcl-2 overexpression are detected in acute myeloid leukemia cells with high levels of phosphorylated wild-type p53. <i>Blood</i> , 2007 , 109, 2589-96	2.2	63
213	Fluorescent cell barcoding for multiplex flow cytometry. <i>Current Protocols in Cytometry</i> , 2011 , Chapter 6, Unit 6.31	3.6	62

212	In vivo targeting of organic calcium sensors via genetically selected peptides. <i>Chemistry and Biology</i> , 2004 , 11, 347-56		62
211	T-cell tropism and the role of ORF66 protein in pathogenesis of varicella-zoster virus infection. <i>Journal of Virology</i> , 2005 , 79, 12921-33	6.6	62
210	Commonly Occurring Cell Subsets in High-Grade Serous Ovarian Tumors Identified by Single-Cell Mass Cytometry. <i>Cell Reports</i> , 2018 , 22, 1875-1888	10.6	59
209	Growth inhibition and apoptosis due to restoration of E2A activity in T cell acute lymphoblastic leukemia cells. <i>Journal of Experimental Medicine</i> , 1999 , 189, 501-8	16.6	59
208	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> , 2015 , 136, 1326-36	11.5	57
207	Cloud and heterogeneous computing solutions exist today for the emerging big data problems in biology. <i>Nature Reviews Genetics</i> , 2011 , 12, 224	30.1	57
206	Multimomics modeling of the immunome, transcriptome, microbiome, proteome and metabolome adaptations during human pregnancy. <i>Bioinformatics</i> , 2019 , 35, 95-103	7.2	54
205	Duration of antigen receptor signaling determines T-cell tolerance or activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 18085-90	11.5	53
204	Evolution of peptides that modulate the spectral qualities of bound, small-molecule fluorophores. <i>Chemistry and Biology</i> , 1998 , 5, 713-28		53
203	Y-box-binding protein 1 confers EGF independence to human mammary epithelial cells. <i>Oncogene</i> , 2005 , 24, 3177-86	9.2	53
202	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> , 2016 , 89, 16-21	4.6	51
201	Patient-specific Immune States before Surgery Are Strong Correlates of Surgical Recovery. <i>Anesthesiology</i> , 2015 , 123, 1241-55	4.3	49
200	Decoupling of tumor-initiating activity from stable immunophenotype in HoxA9-Meis1-driven AML. <i>Cell Stem Cell</i> , 2012 , 10, 210-7	18	49
199	Inhibition of HMGCoA reductase by atorvastatin prevents and reverses MYC-induced lymphomagenesis. <i>Blood</i> , 2007 , 110, 2674-84	2.2	49
198	Treatment of autoimmune disease by adoptive cellular gene therapy. <i>Annals of the New York Academy of Sciences</i> , 2003 , 998, 512-9	6.5	47
197	LFA-1 signaling through p44/42 is coupled to perforin degranulation in CD56+CD8+ natural killer cells. <i>Blood</i> , 2004 , 104, 1083-93	2.2	46
196	Local delivery of TNF by retrovirus-transduced T lymphocytes exacerbates experimental autoimmune encephalomyelitis. <i>Clinical Immunology</i> , 1999 , 90, 10-4	9	46
195	Involvement of Toso in activation of monocytes, macrophages, and granulocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2593-8	11.5	45

194	Single-cell phospho-specific flow cytometric analysis demonstrates biochemical and functional heterogeneity in human hematopoietic stem and progenitor compartments. <i>Blood</i> , 2011 , 117, 4226-33	2.2	45
193	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> , 2014 , 111, 16466-71	11.5	44
192	Electron microscopy localization and characterization of functionalized composite organic-inorganic SERS nanoparticles on leukemia cells. <i>Ultramicroscopy</i> , 2008 , 109, 111-21	3.1	43
191	Single-cell phospho-protein analysis by flow cytometry. <i>Current Protocols in Immunology</i> , 2007 , Chapter 8, Unit 8.17	4	43
190	Expression of Rho GTPases using retroviral vectors. <i>Methods in Enzymology</i> , 2000 , 325, 295-302	1.7	42
189	The Human Cell Atlas 2017 ,		41
188	Mass cytometry as a platform for the discovery of cellular biomarkers to guide effective rheumatic disease therapy. <i>Arthritis Research and Therapy</i> , 2015 , 17, 127	5.7	41
187	Unipotent Megakaryopoietic Pathway Bridging Hematopoietic Stem Cells and Mature Megakaryocytes. <i>Stem Cells</i> , 2015 , 33, 2196-207	5.8	40
186	Deletions in the cytoplasmic domain of iRhom1 and iRhom2 promote shedding of the TNF receptor by the protease ADAM17. <i>Science Signaling</i> , 2015 , 8, ra109	8.8	38
185	Joint modeling and registration of cell populations in cohorts of high-dimensional flow cytometric data. <i>PLoS ONE</i> , 2014 , 9, e100334	3.7	37
184	Multi-omic single-cell snapshots reveal multiple independent trajectories to drug tolerance in a melanoma cell line. <i>Nature Communications</i> , 2020 , 11, 2345	17.4	36
183	A novel method for detection of phosphorylation in single cells by surface enhanced Raman scattering (SERS) using composite organic-inorganic nanoparticles (COINs). <i>PLoS ONE</i> , 2009 , 4, e5206	3.7	36
182	Resistance is futile: assimilation of cellular machinery by HIV-1. <i>Immunity</i> , 2001 , 15, 687-90	32.3	36
181	Jak1 Integrates Cytokine Sensing to Regulate Hematopoietic Stem Cell Function and Stress Hematopoiesis. <i>Cell Stem Cell</i> , 2017 , 21, 489-501.e7	18	35
180	mir-181a-1/b-1 Modulates Tolerance through Opposing Activities in Selection and Peripheral T Cell Function. <i>Journal of Immunology</i> , 2015 , 195, 1470-9	5.3	35
179	Sex Differences in the Blood Transcriptome Identify Robust Changes in Immune Cell Proportions with Aging and Influenza Infection. <i>Cell Reports</i> , 2019 , 29, 1961-1973.e4	10.6	35
178	Stage dependent aberrant regulation of cytokine-STAT signaling in murine systemic lupus erythematosus. <i>PLoS ONE</i> , 2009 , 4, e6756	3.7	35
177	CytoSPADE: high-performance analysis and visualization of high-dimensional cytometry data. <i>Bioinformatics</i> , 2012 , 28, 2400-1	7.2	34

176	Complex mammalian-like haematopoietic system found in a colonial chordate. <i>Nature</i> , 2018 , 564, 425-429.	30.4	34
175	Proliferation tracing with single-cell mass cytometry optimizes generation of stem cell memory-like T cells. <i>Nature Biotechnology</i> , 2019 , 37, 259-266	44.5	33
174	Single-Cell Profiling of Ebola Virus Disease In Vivo Reveals Viral and Host Dynamics. <i>Cell</i> , 2020 , 183, 1383-1401.	36.4	31
173	Activation of JUN in fibroblasts promotes pro-fibrotic programme and modulates protective immunity. <i>Nature Communications</i> , 2020 , 11, 2795	17.4	32
172	Single-cell phospho-protein analysis by flow cytometry. <i>Current Protocols in Immunology</i> , 2012 , Chapter 8, Unit 8.17.1-20	4	32
171	Transcending the biomarker mindset: deciphering disease mechanisms at the single cell level. <i>Current Opinion in Chemical Biology</i> , 2006 , 10, 20-7	9.7	32
170	Prolonged liver-specific transgene expression by a non-primate lentiviral vector. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 320, 998-1006	3.4	32
169	A functional screen for genes inducing epidermal growth factor autonomy of human mammary epithelial cells confirms the role of amphiregulin. <i>Oncogene</i> , 2001 , 20, 4019-28	9.2	32
168	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> , 2018 , 115, E4294-E4303	11.5	31
167	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> , 2015 , 87, 817-29	4.6	30
166	Distinct signaling programs control human hematopoietic stem cell survival and proliferation. <i>Blood</i> , 2017 , 129, 307-318	2.2	29
165	Synthetically Modified Viral Capsids as Versatile Carriers for Use in Antibody-Based Cell Targeting. <i>Bioconjugate Chemistry</i> , 2015 , 26, 1590-6	6.3	29
164	Denisovan, modern human and mouse TNFAIP3 alleles tune A20 phosphorylation and immunity. <i>Nature Immunology</i> , 2019 , 20, 1299-1310	19.1	29
163	Tyramide signal amplification for analysis of kinase activity by intracellular flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2010 , 77, 1020-31	4.6	28
162	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> , 2017 , 91, 1150-1163	4.6	28
161	MetaCyto: A Tool for Automated Meta-analysis of Mass and Flow Cytometry Data. <i>Cell Reports</i> , 2018 , 24, 1377-1388	10.6	27
160	Neurotrophin dependence domain: a domain required for the mediation of apoptosis by the p75 neurotrophin receptor. <i>Journal of Molecular Neuroscience</i> , 2000 , 15, 215-29	3.3	27
159	Towards Program Optimization through Automated Analysis of Numerical Precision 2010 , 2010, 230-237		27

158	The T cell STAT signaling network is reprogrammed within hours of bacteremia via secondary signals. <i>Journal of Immunology</i> , 2009 , 182, 7558-68	5.3	26
157	Mapping the Fetomaternal Peripheral Immune System at Term Pregnancy. <i>Journal of Immunology</i> , 2016 , 197, 4482-4492	5.3	25
156	Upregulation of Human Endogenous Retrovirus-K Is Linked to Immunity and Inflammation in Pulmonary Arterial Hypertension. <i>Circulation</i> , 2017 , 136, 1920-1935	16.7	24
155	Antigen-dependent integration of opposing proximal TCR-signaling cascades determines the functional fate of T lymphocytes. <i>Journal of Immunology</i> , 2014 , 192, 2109-19	5.3	24
154	Multiparameter analysis of intracellular phosphoepitopes in immunophenotyped cell populations by flow cytometry. <i>Current Protocols in Cytometry</i> , 2005 , Chapter 6, Unit 6.20	3.6	24
153	Statin-AE: a novel angiostatin-endostatin fusion protein with enhanced antiangiogenic and antitumor activity. <i>Angiogenesis</i> , 2001 , 4, 263-8	10.6	24
152	Integration of mechanistic immunological knowledge into a machine learning pipeline improves predictions. <i>Nature Machine Intelligence</i> , 2020 , 2, 619-628	22.5	24
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