

Aviv Regev

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.

340
papers

83,881
citations

119
h-index

289
g-index

379
ext. papers

114,980
ext. citations

32.3
avg. IF

7.85
L-index

#	Paper	IF	Citations
340	Colon stroma mediates an inflammation-driven fibroblastic response controlling matrix remodeling and healing.. <i>PLoS Biology</i> , 2022 , 20, e3001532	9.7	0
339	A Congenital Anemia Reveals Distinct Targeting Mechanisms for Master Transcription Factor GATA1.. <i>Blood</i> , 2022 ,	2.2	2
338	Massively parallel phenotyping of coding variants in cancer with Perturb-seq.. <i>Nature Biotechnology</i> , 2022 ,	44.5	6
337	Autism genes converge on asynchronous development of shared neuron classes.. <i>Nature</i> , 2022 ,	50.4	10
336	Spatial components of molecular tissue biology.. <i>Nature Biotechnology</i> , 2022 ,	44.5	8
335	SM-Omics is an automated platform for high-throughput spatial multi-omics.. <i>Nature Communications</i> , 2022 , 13, 795	17.4	4
334	Three-dimensional spatial transcriptomics uncovers cell type localizations in the human rheumatoid arthritis synovium.. <i>Communications Biology</i> , 2022 , 5, 129	6.7	2
333	A single-cell atlas of human and mouse white adipose tissue.. <i>Nature</i> , 2022 ,	50.4	15
332	Tim-3 adapter protein Bat3 acts as an endogenous regulator of tolerogenic dendritic cell function.. <i>Science Immunology</i> , 2022 , 7, eabm0631	28	0
331	The evolution, evolvability and engineering of gene regulatory DNA.. <i>Nature</i> , 2022 ,	50.4	6
330	Single-cell RNA-seq reveals cell type-specific molecular and genetic associations to lupus.. <i>Science</i> , 2022 , 376, eabf1970	33.3	10
329	CAR T cell killing requires the IFN β pathway in solid but not liquid tumours.. <i>Nature</i> , 2022 ,	50.4	9
328	Stepwise-edited, human melanoma models reveal mutations' effect on tumor and microenvironment.. <i>Science</i> , 2022 , 376, eabi8175	33.3	1
327	Single-nucleus cross-tissue molecular reference maps toward understanding disease gene function.. <i>Science</i> , 2022 , 376, eabl4290	33.3	9
326	DIALOGUE maps multicellular programs in tissue from single-cell or spatial transcriptomics data.. <i>Nature Biotechnology</i> , 2022 ,	44.5	1
325	An activation to memory differentiation trajectory of tumor-infiltrating lymphocytes informs metastatic melanoma outcomes.. <i>Cancer Cell</i> , 2022 , 40, 524-544.e5	24.3	2
324	Stem-like intestinal Th17 cells give rise to pathogenic effector T β cells during autoimmunity. <i>Cell</i> , 2021 ,	56.2	13

323	Differential pre-malignant programs and microenvironment chart distinct paths to malignancy in human colorectal polyps.. <i>Cell</i> , 2021 , 184, 6262-6280.e26	56.2	10
322	Cell type ontologies of the Human Cell Atlas. <i>Nature Cell Biology</i> , 2021 , 23, 1129-1135	23.4	6
321	An integrated taxonomy for monogenic inflammatory bowel disease. <i>Gastroenterology</i> , 2021 ,	13.3	4
320	Single-Cell, Single-Nucleus, and Spatial RNA Sequencing of the Human Liver Identifies Cholangiocyte and Mesenchymal Heterogeneity. <i>Hepatology Communications</i> , 2021 ,	6	10
319	MCMICRO: a scalable, modular image-processing pipeline for multiplexed tissue imaging. <i>Nature Methods</i> , 2021 ,	21.6	14
318	A transcriptomic and epigenomic cell atlas of the mouse primary motor cortex. <i>Nature</i> , 2021 , 598, 103-110	50.4	23
317	Single-cell profiling of proteins and chromatin accessibility using PHAGE-ATAC. <i>Nature Biotechnology</i> , 2021 ,	44.5	6
316	Comparative cellular analysis of motor cortex in human, marmoset and mouse. <i>Nature</i> , 2021 , 598, 111-119	50.4	31
315	A multimodal cell census and atlas of the mammalian primary motor cortex. <i>Nature</i> , 2021 , 598, 86-102	50.4	44
314	A transcriptomic atlas of mouse cerebellar cortex comprehensively defines cell types. <i>Nature</i> , 2021 , 598, 214-219	50.4	16
313	Joint single-cell measurements of nuclear proteins and RNA in vivo. <i>Nature Methods</i> , 2021 , 18, 1204-1212	21.6	9
312	Unannotated proteins expand the MHC-I-restricted immunopeptidome in cancer. <i>Nature Biotechnology</i> , 2021 ,	44.5	13
311	Deep learning and alignment of spatially resolved single-cell transcriptomes with Tangram. <i>Nature Methods</i> , 2021 , 18, 1352-1362	21.6	25
310	The Organoid Cell Atlas. <i>Nature Biotechnology</i> , 2021 , 39, 13-17	44.5	30
309	Multimodal pooled Perturb-CITE-seq screens in patient models define mechanisms of cancer immune evasion. <i>Nature Genetics</i> , 2021 , 53, 332-341	36.3	22
308	Transcriptional mediators of treatment resistance in lethal prostate cancer. <i>Nature Medicine</i> , 2021 , 27, 426-433	50.5	25
307	Identifying disease-critical cell types and cellular processes across the human body by integration of single-cell profiles and human genetics 2021 ,		6
306	T cells regulate the intestinal response to nutrient sensing. <i>Science</i> , 2021 , 371,	33.3	26

305	Inhibitory CD161 receptor identified in glioma-infiltrating T cells by single-cell analysis. <i>Cell</i> , 2021 , 184, 1281-1298.e26	56.2	55
304	Blockade of IL-22 signaling reverses erythroid dysfunction in stress-induced anemias. <i>Nature Immunology</i> , 2021 , 22, 520-529	19.1	4
303	Tim-3 adaptor protein Bat3 is a molecular checkpoint of T cell terminal differentiation and exhaustion. <i>Science Advances</i> , 2021 , 7,	14.3	3
302	Compressed sensing for highly efficient imaging transcriptomics. <i>Nature Biotechnology</i> , 2021 , 39, 936-942	44.5	8
301	Using viral load and epidemic dynamics to optimize pooled testing in resource-constrained settings. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	22
300	COVID-19 tissue atlases reveal SARS-CoV-2 pathology and cellular targets. <i>Nature</i> , 2021 , 595, 107-113	50.4	124
299	Tumor and immune reprogramming during immunotherapy in advanced renal cell carcinoma. <i>Cancer Cell</i> , 2021 , 39, 649-661.e5	24.3	54
298	A cellular and spatial map of the choroid plexus across brain ventricles and ages. <i>Cell</i> , 2021 , 184, 3056-3074.e21	57.2	13
297	Deep generative model embedding of single-cell RNA-Seq profiles on hyperspheres and hyperbolic spaces. <i>Nature Communications</i> , 2021 , 12, 2554	17.4	12
296	Interactions between cancer cells and immune cells drive transitions to mesenchymal-like states in glioblastoma. <i>Cancer Cell</i> , 2021 , 39, 779-792.e11	24.3	37
295	L1CAM is not associated with extracellular vesicles in human cerebrospinal fluid or plasma. <i>Nature Methods</i> , 2021 , 18, 631-634	21.6	30
294	Molecular logic of cellular diversification in the mouse cerebral cortex. <i>Nature</i> , 2021 , 595, 554-559	50.4	33
293	TIM-3 restrains anti-tumour immunity by regulating inflammasome activation. <i>Nature</i> , 2021 , 595, 101-106	50.4	31
292	Scalable, multimodal profiling of chromatin accessibility, gene expression and protein levels in single cells. <i>Nature Biotechnology</i> , 2021 , 39, 1246-1258	44.5	50
291	B cell genomics behind cross-neutralization of SARS-CoV-2 variants and SARS-CoV. <i>Cell</i> , 2021 , 184, 3205-3221.e24	52.1	34
290	LAMP-Seq enables sensitive, multiplexed COVID-19 diagnostics using molecular barcoding. <i>Nature Biotechnology</i> , 2021 ,	44.5	11
289	Towards a Human Cell Atlas: Taking Notes from the Past. <i>Trends in Genetics</i> , 2021 , 37, 625-630	8.5	17
288	Massively parallel single-cell mitochondrial DNA genotyping and chromatin profiling. <i>Nature Biotechnology</i> , 2021 , 39, 451-461	44.5	59

287	Opposing immune and genetic mechanisms shape oncogenic programs in synovial sarcoma. <i>Nature Medicine</i> , 2021 , 27, 289-300	50.5	19
286	QRICH1 dictates the outcome of ER stress through transcriptional control of proteostasis. <i>Science</i> , 2021 , 371,	33.3	17
285	Expansion sequencing: Spatially precise in situ transcriptomics in intact biological systems. <i>Science</i> , 2021 , 371,	33.3	64
284	Gut CD4 T cell phenotypes are a continuum molded by microbes, not by T archetypes. <i>Nature Immunology</i> , 2021 , 22, 216-228	19.1	34
283	Building a high-quality Human Cell Atlas. <i>Nature Biotechnology</i> , 2021 , 39, 149-153	44.5	13
282	A single-cell and spatial atlas of autopsy tissues reveals pathology and cellular targets of SARS-CoV-2 2021 ,		15
281	Skin-resident innate lymphoid cells converge on a pathogenic effector state. <i>Nature</i> , 2021 , 592, 128-132	50.4	29
280	OTME-7. Cancer - immune cell interactions drive transitions to mesenchymal-like state in glioblastoma. <i>Neuro-Oncology Advances</i> , 2021 , 3, ii14-ii15	0.9	
279	Metabolic modeling of single Th17 cells reveals regulators of autoimmunity. <i>Cell</i> , 2021 , 184, 4168-4185.e31	37.1	30
278	Cycling cancer persister cells arise from lineages with distinct programs. <i>Nature</i> , 2021 , 596, 576-582	50.4	39
277	The CD155/TIGIT axis promotes and maintains immune evasion in neoantigen-expressing pancreatic cancer. <i>Cancer Cell</i> , 2021 , 39, 1342-1360.e14	24.3	18
276	A cell-free nanobody engineering platform rapidly generates SARS-CoV-2 neutralizing nanobodies. <i>Nature Communications</i> , 2021 , 12, 5506	17.4	8
275	Antigen dominance hierarchies shape TCF1 progenitor CD8 T cell phenotypes in tumors. <i>Cell</i> , 2021 , 184, 4996-5014.e26	56.2	13
274	SMARCA4 inactivation promotes lineage-specific transformation and early metastatic features in the lung. <i>Cancer Discovery</i> , 2021 ,	24.4	3
273	Spatially organized multicellular immune hubs in human colorectal cancer. <i>Cell</i> , 2021 , 184, 4734-4752.e29	36.2	22
272	Dietary suppression of MHC class II expression in intestinal epithelial cells enhances intestinal tumorigenesis. <i>Cell Stem Cell</i> , 2021 , 28, 1922-1935.e5	18	8
271	Blood and immune development in human fetal bone marrow and Down syndrome. <i>Nature</i> , 2021 , 598, 327-331	50.4	10
270	A roadmap for the Human Developmental Cell Atlas. <i>Nature</i> , 2021 , 597, 196-205	50.4	18

269	A human liver cell-based system modeling a clinical prognostic liver signature for therapeutic discovery. <i>Nature Communications</i> , 2021 , 12, 5525	17.4	4
268	Conventional type I dendritic cells maintain a reservoir of proliferative tumor-antigen specific TCF-1 CD8 T cells in tumor-draining lymph nodes. <i>Immunity</i> , 2021 , 54, 2338-2353.e6	32.3	17
267	The legacy of the Human Genome Project. <i>Science</i> , 2021 , 373, 1442-1443	33.3	3
266	Epigenetic encoding, heritability and plasticity of glioma transcriptional cell states. <i>Nature Genetics</i> , 2021 , 53, 1469-1479	36.3	14
265	GWAS of stool frequency provides insights into gastrointestinal motility and irritable bowel syndrome.. <i>Cell Genomics</i> , 2021 , 1, None		2
264	T Follicular Regulatory Cell-Derived Fibrinogen-like Protein 2 Regulates Production of Autoantibodies and Induction of Systemic Autoimmunity. <i>Journal of Immunology</i> , 2020 , 205, 3247-3262	5.3	1
263	A single-cell and single-nucleus RNA-Seq toolbox for fresh and frozen human tumors. <i>Nature Medicine</i> , 2020 , 26, 792-802	50.5	130
262	A single-cell landscape of high-grade serous ovarian cancer. <i>Nature Medicine</i> , 2020 , 26, 1271-1279	50.5	103
261	MAUDE: inferring expression changes in sorting-based CRISPR screens. <i>Genome Biology</i> , 2020 , 21, 134	18.3	4
260	Cell Atlas of The Human Fovea and Peripheral Retina. <i>Scientific Reports</i> , 2020 , 10, 9802	4.9	52
259	Prioritizing disease and trait causal variants at the TNFAIP3 locus using functional and genomic features. <i>Nature Communications</i> , 2020 , 11, 1237	17.4	18
258	Benchmarking single-cell RNA-sequencing protocols for cell atlas projects. <i>Nature Biotechnology</i> , 2020 , 38, 747-755	44.5	142
257	The network effect: studying COVID-19 pathology with the Human Cell Atlas. <i>Nature Reviews Molecular Cell Biology</i> , 2020 , 21, 415-416	48.7	7
256	ImmGen at 15. <i>Nature Immunology</i> , 2020 , 21, 700-703	19.1	20
255	A Synthesis Concerning Conservation and Divergence of Cell Types across Epithelia. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020 , 12,	10.2	2
254	Regenerative potential of prostate luminal cells revealed by single-cell analysis. <i>Science</i> , 2020 , 368, 497-505	39.5	74
253	Systematic comparison of single-cell and single-nucleus RNA-sequencing methods. <i>Nature Biotechnology</i> , 2020 , 38, 737-746	44.5	212
252	SARS-CoV-2 Receptor ACE2 Is an Interferon-Stimulated Gene in Human Airway Epithelial Cells and Is Detected in Specific Cell Subsets across Tissues. <i>Cell</i> , 2020 , 181, 1016-1035.e19	56.2	1326

251	Disease-associated astrocytes in Alzheimer's disease and aging. <i>Nature Neuroscience</i> , 2020 , 23, 701-706	25.5	188
250	Cell atlas of aqueous humor outflow pathways in eyes of humans and four model species provides insight into glaucoma pathogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 10339-10349	11.5	40
249	The Human Tumor Atlas Network: Charting Tumor Transitions across Space and Time at Single-Cell Resolution. <i>Cell</i> , 2020 , 181, 236-249	56.2	140
248	Abstract PR-007: Single-nucleus and spatial transcriptomics of archival pancreatic ductal adenocarcinoma reveals multi-compartment reprogramming after neoadjuvant treatment 2020 ,		3
247	Integrated regulatory models for inference of subtype-specific susceptibilities in glioblastoma. <i>Molecular Systems Biology</i> , 2020 , 16, e9506	12.2	2
246	Anti-Tumor TCF1+ CD8 T Cells are Functionally Diverse and Evolve During Tumorigenesis and Progression. <i>American Journal of Clinical Pathology</i> , 2020 , 154, S5-S6	1.9	
245	EPEN-21. IMPAIRED NEURONAL-GLIAL FATE SPECIFICATION IN PEDIATRIC EPENDYMOMA REVEALED BY SINGLE-CELL RNA-SEQ. <i>Neuro-Oncology</i> , 2020 , 22, iii311-iii312	1	78
244	Aging-Associated Alterations in Mammary Epithelia and Stroma Revealed by Single-Cell RNA Sequencing. <i>Cell Reports</i> , 2020 , 33, 108566	10.6	19
243	Deciphering eukaryotic gene-regulatory logic with 100 million random promoters. <i>Nature Biotechnology</i> , 2020 , 38, 56-65	44.5	62
242	Inherited myeloproliferative neoplasm risk affects haematopoietic stem cells. <i>Nature</i> , 2020 , 586, 769-775	50.4	32
241	Single-Cell RNA-Seq Reveals Cellular Hierarchies and Impaired Developmental Trajectories in Pediatric Ependymoma. <i>Cancer Cell</i> , 2020 , 38, 44-59.e9	24.3	40
240	An IL-27-Driven Transcriptional Network Identifies Regulators of IL-10 Expression across T Helper Cell Subsets. <i>Cell Reports</i> , 2020 , 33, 108433	10.6	11
239	In vivo Perturb-Seq reveals neuronal and glial abnormalities associated with autism risk genes. <i>Science</i> , 2020 , 370,	33.3	45
238	Single cell RNA sequencing of human microglia uncovers a subset associated with Alzheimer's disease. <i>Nature Communications</i> , 2020 , 11, 6129	17.4	102
237	A Distinct Transcriptional Program in Human CAR T Cells Bearing the 4-1BB Signaling Domain Revealed by scRNA-Seq. <i>Molecular Therapy</i> , 2020 , 28, 2577-2592	11.7	23
236	Purifying Selection against Pathogenic Mitochondrial DNA in Human T Cells. <i>New England Journal of Medicine</i> , 2020 , 383, 1556-1563	59.2	17
235	Epigenomic State Transitions Characterize Tumor Progression in Mouse Lung Adenocarcinoma. <i>Cancer Cell</i> , 2020 , 38, 212-228.e13	24.3	57
234	Emergence of a High-Plasticity Cell State during Lung Cancer Evolution. <i>Cancer Cell</i> , 2020 , 38, 229-246.e13	14.3	76

233	Cumulus provides cloud-based data analysis for large-scale single-cell and single-nucleus RNA-seq. <i>Nature Methods</i> , 2020 , 17, 793-798	21.6	44
232	Chromatin Potential Identified by Shared Single-Cell Profiling of RNA and Chromatin. <i>Cell</i> , 2020 , 183, 1103-1116.e20	56.2	153
231	snRNA-seq reveals a subpopulation of adipocytes that regulates thermogenesis. <i>Nature</i> , 2020 , 587, 98-102.e4	10.4	92
230	Pan-cancer single-cell RNA-seq identifies recurring programs of cellular heterogeneity. <i>Nature Genetics</i> , 2020 , 52, 1208-1218	36.3	63
229	The Human and Mouse Enteric Nervous System at Single-Cell Resolution. <i>Cell</i> , 2020 , 182, 1606-1622.e23	56.2	96
228	Multiplexed single-cell transcriptional response profiling to define cancer vulnerabilities and therapeutic mechanism of action. <i>Nature Communications</i> , 2020 , 11, 4296	17.4	37
227	Endogenous Glucocorticoid Signaling Regulates CD8 T Cell Differentiation and Development of Dysfunction in the Tumor Microenvironment. <i>Immunity</i> , 2020 , 53, 658-671.e6	32.3	35
226	Integrated scRNA-Seq Identifies Human Postnatal Thymus Seeding Progenitors and Regulatory Dynamics of Differentiating Immature Thymocytes. <i>Immunity</i> , 2020 , 52, 1088-1104.e6	32.3	31
225	Distinct Tissue-Specific Roles for the Disease-Associated Autophagy Genes ATG16L2 and ATG16L1. <i>Journal of Immunology</i> , 2019 , 203, 1820-1829	5.3	12
224	High-definition spatial transcriptomics for in situ tissue profiling. <i>Nature Methods</i> , 2019 , 16, 987-990	21.6	322
223	Molecular Classification and Comparative Taxonomics of Foveal and Peripheral Cells in Primate Retina. <i>Cell</i> , 2019 , 176, 1222-1237.e22	56.2	184
222	Optimal-Transport Analysis of Single-Cell Gene Expression Identifies Developmental Trajectories in Reprogramming. <i>Cell</i> , 2019 , 176, 928-943.e22	56.2	163
221	Transcriptional States and Chromatin Accessibility Underlying Human Erythropoiesis. <i>Cell Reports</i> , 2019 , 27, 3228-3240.e7	10.6	70
220	Single-Cell Analysis of the Normal Mouse Aorta Reveals Functionally Distinct Endothelial Cell Populations. <i>Circulation</i> , 2019 , 140, 147-163	16.7	104
219	Individual brain organoids reproducibly form cell diversity of the human cerebral cortex. <i>Nature</i> , 2019 , 570, 523-527	50.4	349
218	A Cellular Taxonomy of the Bone Marrow Stroma in Homeostasis and Leukemia. <i>Cell</i> , 2019 , 177, 1915-1932.e16	32.1	134
217	The Human Lung Cell Atlas: A High-Resolution Reference Map of the Human Lung in Health and Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019 , 61, 31-41	5.7	98
216	Streamlined Protocol for Deep Proteomic Profiling of FAC-sorted Cells and Its Application to Freshly Isolated Murine Immune Cells. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 995-1009	7.6	35

215	The Pediatric Cell Atlas: Defining the Growth Phase of Human Development at Single-Cell Resolution. <i>Developmental Cell</i> , 2019 , 49, 10-29	10.2	39
214	Mitogenic and progenitor gene programmes in single pilocytic astrocytoma cells. <i>Nature Communications</i> , 2019 , 10, 3731	17.4	17
213	Ketone Body Signaling Mediates Intestinal Stem Cell Homeostasis and Adaptation to Diet. <i>Cell</i> , 2019 , 178, 1115-1131.e15	56.2	91
212	An Integrative Model of Cellular States, Plasticity, and Genetics for Glioblastoma. <i>Cell</i> , 2019 , 178, 835-849.e21	56.2	556
211	Resolving medulloblastoma cellular architecture by single-cell genomics. <i>Nature</i> , 2019 , 572, 74-79	50.4	133
210	Intra- and Inter-cellular Rewiring of the Human Colon during Ulcerative Colitis. <i>Cell</i> , 2019 , 178, 714-730.e32	56.2	359
209	DNA Microscopy: Optics-free Spatio-genetic Imaging by a Stand-Alone Chemical Reaction. <i>Cell</i> , 2019 , 178, 229-241.e16	56.2	41
208	Nuclei multiplexing with barcoded antibodies for single-nucleus genomics. <i>Nature Communications</i> , 2019 , 10, 2907	17.4	62
207	Calcitonin Gene-Related Peptide Negatively Regulates Alarmin-Driven Type 2 Innate Lymphoid Cell Responses. <i>Immunity</i> , 2019 , 51, 709-723.e6	32.3	76
206	Transcriptional Atlas of Intestinal Immune Cells Reveals that Neuropeptide ECGRP Modulates Group 2 Innate Lymphoid Cell Responses. <i>Immunity</i> , 2019 , 51, 696-708.e9	32.3	69
205	Decoding human fetal liver haematopoiesis. <i>Nature</i> , 2019 , 574, 365-371	50.4	200
204	Combinatorial prediction of marker panels from single-cell transcriptomic data. <i>Molecular Systems Biology</i> , 2019 , 15, e9005	12.2	25
203	Lineage Tracing in Humans Enabled by Mitochondrial Mutations and Single-Cell Genomics. <i>Cell</i> , 2019 , 176, 1325-1339.e22	56.2	174
202	Single cell census of human kidney organoids shows reproducibility and diminished off-target cells after transplantation. <i>Nature Communications</i> , 2019 , 10, 5462	17.4	71
201	Integrative molecular and clinical modeling of clinical outcomes to PD1 blockade in patients with metastatic melanoma. <i>Nature Medicine</i> , 2019 , 25, 1916-1927	50.5	227
200	IL-33 Signaling Alters Regulatory T Cell Diversity in Support of Tumor Development. <i>Cell Reports</i> , 2019 , 29, 2998-3008.e8	10.6	24
199	Single-Cell Profiles of Retinal Ganglion Cells Differing in Resilience to Injury Reveal Neuroprotective Genes. <i>Neuron</i> , 2019 , 104, 1039-1055.e12	13.9	168
198	Electrical and synaptic integration of glioma into neural circuits. <i>Nature</i> , 2019 , 573, 539-545	50.4	303

197	Single-cell transcriptomic profiling of the aging mouse brain. <i>Nature Neuroscience</i> , 2019 , 22, 1696-1708	25.5	152
196	Toward a Common Coordinate Framework for the Human Body. <i>Cell</i> , 2019 , 179, 1455-1467	56.2	38
195	Neoantigen vaccine generates intratumoral T cell responses in phase Ib glioblastoma trial. <i>Nature</i> , 2019 , 565, 234-239	50.4	569
194	Checkpoint Blockade Immunotherapy Induces Dynamic Changes in PD-1CD8 Tumor-Infiltrating T Cells. <i>Immunity</i> , 2019 , 50, 181-194.e6	32.3	240
193	A quantitative framework for characterizing the evolutionary history of mammalian gene expression. <i>Genome Research</i> , 2019 , 29, 53-63	9.7	31
192	Developmental and oncogenic programs in H3K27M gliomas dissected by single-cell RNA-seq. <i>Science</i> , 2018 , 360, 331-335	33.3	255
191	Single-cell reconstruction of developmental trajectories during zebrafish embryogenesis. <i>Science</i> , 2018 , 360,	33.3	351
190	Ribosome Levels Selectively Regulate Translation and Lineage Commitment in Human Hematopoiesis. <i>Cell</i> , 2018 , 173, 90-103.e19	56.2	174
189	Comprehensive Identification and Spatial Mapping of Habenular Neuronal Types Using Single-Cell RNA-Seq. <i>Current Biology</i> , 2018 , 28, 1052-1065.e7	6.3	95
188	Fas Promotes T Helper 17 Cell Differentiation and Inhibits T Helper 1 Cell Development by Binding and Sequestering Transcription Factor STAT1. <i>Immunity</i> , 2018 , 48, 556-569.e7	32.3	35
187	A revised airway epithelial hierarchy includes CFTR-expressing ionocytes. <i>Nature</i> , 2018 , 560, 319-324	50.4	526
186	BROCKMAN: deciphering variance in epigenomic regulators by k-mer factorization. <i>BMC Bioinformatics</i> , 2018 , 19, 253	3.6	29
185	Genetic determinants of co-accessible chromatin regions in activated T cells across humans. <i>Nature Genetics</i> , 2018 , 50, 1140-1150	36.3	74
184	Induction and transcriptional regulation of the co-inhibitory gene module in T cells. <i>Nature</i> , 2018 , 558, 454-459	50.4	201
183	Genetic analysis of isoform usage in the human anti-viral response reveals influenza-specific regulation of transcripts under balancing selection. <i>Genome Research</i> , 2018 , 28, 1812-1825	9.7	29
182	Heterogeneous Responses of Hematopoietic Stem Cells to Inflammatory Stimuli Are Altered with Age. <i>Cell Reports</i> , 2018 , 25, 2992-3005.e5	10.6	63
181	A Cancer Cell Program Promotes T Cell Exclusion and Resistance to Checkpoint Blockade. <i>Cell</i> , 2018 , 175, 984-997.e24	56.2	477
180	T Helper Cell Cytokines Modulate Intestinal Stem Cell Renewal and Differentiation. <i>Cell</i> , 2018 , 175, 1307-1320.e20	56.2	477

179	Molecular, spatial, and functional single-cell profiling of the hypothalamic preoptic region. <i>Science</i> , 2018 , 362,	33.3	411
178	Regulation of Cellular Heterogeneity and Rates of Symmetric and Asymmetric Divisions in Triple-Negative Breast Cancer. <i>Cell Reports</i> , 2018 , 24, 3237-3250	10.6	16
177	A molecular network of the aging human brain provides insights into the pathology and cognitive decline of Alzheimer's disease. <i>Nature Neuroscience</i> , 2018 , 21, 811-819	25.5	220
176	Genome-scale identification of transcription factors that mediate an inflammatory network during breast cellular transformation. <i>Nature Communications</i> , 2018 , 9, 2068	17.4	14
175	Scaling single-cell genomics from phenomenology to mechanism. <i>Nature</i> , 2017 , 541, 331-338	50.4	414
174	Critical role of IRF1 and BATF in forming chromatin landscape during type 1 regulatory cell differentiation. <i>Nature Immunology</i> , 2017 , 18, 412-421	19.1	74
173	Nucleic acid detection with CRISPR-Cas13a/C2c2. <i>Science</i> , 2017 , 356, 438-442	33.3	1240
172	Single-cell RNA-seq reveals new types of human blood dendritic cells, monocytes, and progenitors. <i>Science</i> , 2017 , 356,	33.3	1176
171	Inference and Evolutionary Analysis of Genome-Scale Regulatory Networks in Large Phylogenies. <i>Cell Systems</i> , 2017 , 4, 543-558.e8	10.6	23
170	PHF6 regulates phenotypic plasticity through chromatin organization within lineage-specific genes. <i>Genes and Development</i> , 2017 , 31, 973-989	12.6	27
169	Decoupling genetics, lineages, and microenvironment in IDH-mutant gliomas by single-cell RNA-seq. <i>Science</i> , 2017 , 355,	33.3	455
168	The Human Cell Atlas 2017 ,		41
167	RNA targeting with CRISPR-Cas13. <i>Nature</i> , 2017 , 550, 280-284	50.4	900
166	The BRAIN Initiative Cell Census Consortium: Lessons Learned toward Generating a Comprehensive Brain Cell Atlas. <i>Neuron</i> , 2017 , 96, 542-557	13.9	159
165	Single-cell transcriptomics to explore the immune system in health and disease. <i>Science</i> , 2017 , 358, 58-63	33.3	275
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