Amir Giladi

List of Publications by Year
in descending order

67 papers	23,341 citations	41344 49 h-index	95266 68 g-index
77 all docs	77 docs citations	77 times ranked	35513 citing authors

#	Article	IF	Citations
1	A Unique Microglia Type Associated with Restricting Development of Alzheimer's Disease. Cell, 2017, 169, 1276-1290.e17.	28.9	3,282
2	Tissue-Resident Macrophage Enhancer Landscapes Are Shaped by the Local Microenvironment. Cell, 2014, 159, 1312-1326.	28.9	1,705
3	Massively Parallel Single-Cell RNA-Seq for Marker-Free Decomposition of Tissues into Cell Types. Science, 2014, 343, 776-779.	12.6	1,563
4	The Human Cell Atlas. ELife, 2017, 6, .	6.0	1,547
5	Innate Immune Landscape in Early Lung Adenocarcinoma by Paired Single-Cell Analyses. Cell, 2017, 169, 750-765.e17.	28.9	937
6	Microglia development follows a stepwise program to regulate brain homeostasis. Science, 2016, 353, aad8670.	12.6	911
7	Transcriptional Heterogeneity and Lineage Commitment in Myeloid Progenitors. Cell, 2015, 163, 1663-1677.	28.9	875
8	Single-cell spatial reconstruction reveals global division of labour in the mammalian liver. Nature, 2017, 542, 352-356.	27.8	809
9	Disease-Associated Microglia: A Universal Immune Sensor of Neurodegeneration. Cell, 2018, 173, 1073-1081.	28.9	765
10	Dysfunctional CD8 T Cells Form a Proliferative, Dynamically Regulated Compartment within Human Melanoma. Cell, 2019, 176, 775-789.e18.	28.9	760
11	Lipid-Associated Macrophages Control Metabolic Homeostasis in a Trem2-Dependent Manner. Cell, 2019, 178, 686-698.e14.	28.9	718
12	Chromatin state dynamics during blood formation. Science, 2014, 345, 943-949.	12.6	699
13	Dissecting Immune Circuits by Linking CRISPR-Pooled Screens with Single-Cell RNA-Seq. Cell, 2016, 167, 1883-1896.e15.	28.9	604
14	The Spectrum and Regulatory Landscape of Intestinal Innate Lymphoid Cells Are Shaped by the Microbiome. Cell, 2016, 166, 1231-1246.e13.	28.9	465
15	Aging-induced type I interferon response at the choroid plexus negatively affects brain function. Science, 2014, 346, 89-93.	12.6	463
16	Host-Viral Infection Maps Reveal Signatures of Severe COVID-19 Patients. Cell, 2020, 181, 1475-1488.e12.	28.9	405
17	Lung Single-Cell Signaling Interaction Map Reveals Basophil Role in Macrophage Imprinting. Cell, 2018, 175, 1031-1044.e18.	28.9	332
18	Impaired immune surveillance accelerates accumulation of senescent cells and aging. Nature Communications, 2018, 9, 5435.	12.8	325

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19	Transcription factor binding dynamics during human ES cell differentiation. Nature, 2015, 518, 344-349.	27.8	318
20	Coupled scRNA-Seq and Intracellular Protein Activity Reveal an Immunosuppressive Role of TREM2 in Cancer. Cell, 2020, 182, 872-885.e19.	28.9	298
21	Cross-Species Single-Cell Analysis Reveals Divergence of the Primate Microglia Program. Cell, 2019, 179, 1609-1622.e16.	28.9	292
22	PD-1 immune checkpoint blockade reduces pathology and improves memory in mouse models of Alzheimer's disease. Nature Medicine, 2016, 22, 135-137.	30.7	286
23	The Physiology, Pathology, and Potential Therapeutic Applications of the TREM2 Signaling Pathway. Cell, 2020, 181, 1207-1217.	28.9	279
24	Single-cell characterization of haematopoietic progenitors and their trajectories in homeostasis and perturbed haematopoiesis. Nature Cell Biology, 2018, 20, 836-846.	10.3	267
25	Paired-cell sequencing enables spatial gene expression mapping of liver endothelial cells. Nature Biotechnology, 2018, 36, 962-970.	17.5	262
26	High-throughput chromatin immunoprecipitation for genome-wide mapping of in vivo protein-DNA interactions and epigenomic states. Nature Protocols, 2013, 8, 539-554.	12.0	246
27	Single-cell mapping of the thymic stroma identifies IL-25-producing tuft epithelial cells. Nature, 2018, 559, 622-626.	27.8	235
28	Genomic Characterization of Murine Monocytes Reveals C/EBPβ Transcription Factor Dependence of Ly6C⁻ Cells. Immunity, 2017, 46, 849-862.e7.	14.3	233
29	Early metazoan cell type diversity and the evolution of multicellular gene regulation. Nature Ecology and Evolution, 2018, 2, 1176-1188.	7.8	226
30	MetaCell: analysis of single-cell RNA-seq data using K-nn graph partitions. Genome Biology, 2019, 20, 206.	8.8	218
31	Single-Cell Genomics: A Stepping Stone for Future Immunology Discoveries. Cell, 2018, 172, 14-21.	28.9	214
32	MARS-seq2.0: an experimental and analytical pipeline for indexed sorting combined with single-cell RNA sequencing. Nature Protocols, 2019, 14, 1841-1862.	12.0	200
33	Dissecting cellular crosstalk by sequencing physically interacting cells. Nature Biotechnology, 2020, 38, 629-637.	17.5	187
34	C/EBPβ-Dependent Epigenetic Memory Induces Trained Immunity in Hematopoietic Stem Cells. Cell Stem Cell, 2020, 26, 657-674.e8.	11.1	180
35	Single cell dissection of plasma cell heterogeneity in symptomatic and asymptomatic myeloma. Nature Medicine, 2018, 24, 1867-1876.	30.7	179
36	Spatial reconstruction of immune niches by combining photoactivatable reporters and scRNA-seq. Science, 2017, 358, 1622-1626.	12.6	176

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37	Plasmacytoid dendritic cells develop from Ly6D+ lymphoid progenitors distinct from the myeloid lineage. Nature Immunology, 2019, 20, 852-864.	14.5	162
38	Cancer-associated fibroblast compositions change with breast cancer progression linking the ratio of S100A4+ and PDPN+ CAFs to clinical outcome. Nature Cancer, 2020, 1, 692-708.	13.2	159
39	Single-cell transcriptome conservation in cryopreserved cells and tissues. Genome Biology, 2017, 18, 45.	8.8	134
40	Sumoylation coordinates the repression of inflammatory and anti-viral gene-expression programs during innate sensing. Nature Immunology, 2016, 17, 140-149.	14.5	127
41	Identification of resistance pathways and therapeutic targets in relapsed multiple myeloma patients through single-cell sequencing. Nature Medicine, 2021, 27, 491-503.	30.7	118
42	PD-1/PD-L1 checkpoint blockade harnesses monocyte-derived macrophages to combat cognitive impairment in a tauopathy mouse model. Nature Communications, 2019, 10, 465.	12.8	112
43	LifeTime and improving European healthcare through cell-based interceptive medicine. Nature, 2020, 587, 377-386.	27.8	108
44	A single cell atlas of the human liver tumor microenvironment. Molecular Systems Biology, 2020, 16, e9682.	7.2	99
45	XCR1+ type 1 conventional dendritic cells drive liver pathology in non-alcoholic steatohepatitis. Nature Medicine, 2021, 27, 1043-1054.	30.7	95
46	The interaction of CD4+ helper T cells with dendritic cells shapes the tumor microenvironment and immune checkpoint blockade response. Nature Cancer, 2022, 3, 303-317.	13.2	85
47	Extracellular Matrix Proteolysis by MT1-MMP Contributes to Influenza-Related Tissue Damage and Mortality. Cell Host and Microbe, 2016, 20, 458-470.	11.0	82
48	Cxcl10+ monocytes define a pathogenic subset in the central nervous system during autoimmune neuroinflammation. Nature Immunology, 2020, 21, 525-534.	14.5	74
49	Spatiotemporal regulation of type I interferon expression determines the antiviral polarization of CD4+ T cells. Nature Immunology, 2020, 21, 321-330.	14.5	59
50	A Negative Feedback Loop of Transcription Factors Specifies Alternative Dendritic Cell Chromatin States. Molecular Cell, 2014, 56, 749-762.	9.7	58
51	LGR5 expressing skin fibroblasts define a major cellular hub perturbed in scleroderma. Cell, 2022, 185, 1373-1388.e20.	28.9	50
52	Single-cell immunology: Past, present, and future. Immunity, 2022, 55, 393-404.	14.3	47
53	Clump sequencing exposes the spatial expression programs of intestinal secretory cells. Nature Communications, 2021, 12, 3074.	12.8	43
54	Differences in Cell Cycle Status Underlie Transcriptional Heterogeneity in the HSC Compartment. Cell Reports, 2018, 24, 766-780.	6.4	40

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55	Single-Cell Analysis of Diverse Pathogen Responses Defines a Molecular Roadmap for Generating Antigen-Specific Immunity. Cell Systems, 2019, 8, 109-121.e6.	6.2	39
56	Immunology, one cell at a time. Nature, 2017, 547, 27-29.	27.8	33
57	From the Human Cell Atlas to dynamic immune maps in human disease. Nature Reviews Immunology, 2018, 18, 597-598.	22.7	23
58	DC Respond to Cognate T Cell Interaction in the Antigen-Challenged Lymph Node. Frontiers in Immunology, 2019, 10, 863.	4.8	16
59	Early antitumor activity of oral Langerhans cells is compromised by a carcinogen. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	15
60	Identification of the central intermediate in the extra-embryonic to embryonic endoderm transition through single-cell transcriptomics. Nature Cell Biology, 2022, 24, 833-844.	10.3	15
61	Meningeal lymphoid structures are activated under acute and chronic spinal cord pathologies. Life Science Alliance, 2021, 4, e202000907.	2.8	14
62	Single-cell analysis of regions of interest (SCARI) using a photosensitive tag. Nature Chemical Biology, 2021, 17, 1139-1147.	8.0	13
63	Alzheimer's disease modification mediated by bone marrow-derived macrophages via a TREM2-independent pathway in mouse model of amyloidosis. Nature Aging, 2022, 2, 60-73.	11.6	12
64	NF-ĸB activity during pancreas development regulates adult β-cell mass by modulating neonatal β-cell proliferation and apoptosis. Cell Death Discovery, 2021, 7, 2.	4.7	5
65	Embrace the fat when getting old. Aging, 2019, 11, 8730-8732.	3.1	3
66	Digging for treasures in the tumour interactome. Nature Reviews Cancer, 2022, 22, 434-435.	28.4	1
67	Physically interacting beta-delta pairs in the regenerating pancreas revealed by single-cell sequencing. Molecular Metabolism, 2022, 60, 101467.	6.5	0