

# Ido Amit

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5013914/publications.pdf>

Version: 2024-02-01

109  
papers

30,916  
citations

17440

63  
h-index

21540

114  
g-index

124  
all docs

124  
docs citations

124  
times ranked

46765  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Unique Microglia Type Associated with Restricting Development of Alzheimer's Disease. <i>Cell</i> , 2017, 169, 1276-1290.e17.	28.9	3,282
2	Single-cell landscape of bronchoalveolar immune cells in patients with COVID-19. <i>Nature Medicine</i> , 2020, 26, 842-844.	30.7	2,083
3	Tissue-Resident Macrophage Enhancer Landscapes Are Shaped by the Local Microenvironment. <i>Cell</i> , 2014, 159, 1312-1326.	28.9	1,705
4	Massively Parallel Single-Cell RNA-Seq for Marker-Free Decomposition of Tissues into Cell Types. <i>Science</i> , 2014, 343, 776-779.	12.6	1,563
5	The Human Cell Atlas. <i>ELife</i> , 2017, 6, .	6.0	1,547
6	m <sup>6</sup> A mRNA methylation facilitates resolution of naïve pluripotency toward differentiation. <i>Science</i> , 2015, 347, 1002-1006.	12.6	1,288
7	Derivation of novel human ground state naive pluripotent stem cells. <i>Nature</i> , 2013, 504, 282-286.	27.8	924
8	Microglia development follows a stepwise program to regulate brain homeostasis. <i>Science</i> , 2016, 353, aad8670.	12.6	911
9	Transcriptional Heterogeneity and Lineage Commitment in Myeloid Progenitors. <i>Cell</i> , 2015, 163, 1663-1677.	28.9	875
10	Single-cell spatial reconstruction reveals global division of labour in the mammalian liver. <i>Nature</i> , 2017, 542, 352-356.	27.8	809
11	Disease-Associated Microglia: A Universal Immune Sensor of Neurodegeneration. <i>Cell</i> , 2018, 173, 1073-1081.	28.9	765
12	Microbiota-Modulated Metabolites Shape the Intestinal Microenvironment by Regulating NLRP6 Inflammasome Signaling. <i>Cell</i> , 2015, 163, 1428-1443.	28.9	728
13	Lipid-Associated Macrophages Control Metabolic Homeostasis in a Trem2-Dependent Manner. <i>Cell</i> , 2019, 178, 686-698.e14.	28.9	718
14	Chromatin state dynamics during blood formation. <i>Science</i> , 2014, 345, 943-949.	12.6	699
15	Elevated Calprotectin and Abnormal Myeloid Cell Subsets Discriminate Severe from Mild COVID-19. <i>Cell</i> , 2020, 182, 1401-1418.e18.	28.9	663
16	NASH limits anti-tumour surveillance in immunotherapy-treated HCC. <i>Nature</i> , 2021, 592, 450-456.	27.8	649
17	Microbiota Diurnal Rhythmicity Programs Host Transcriptome Oscillations. <i>Cell</i> , 2016, 167, 1495-1510.e12.	28.9	591
18	Microbiome Influences Prenatal and Adult Microglia in a Sex-Specific Manner. <i>Cell</i> , 2018, 172, 500-516.e16.	28.9	563

#	ARTICLE	IF	CITATIONS
19	The Spectrum and Regulatory Landscape of Intestinal Innate Lymphoid Cells Are Shaped by the Microbiome. <i>Cell</i> , 2016, 166, 1231-1246.e13.	28.9	465
20	Ageing-induced type I interferon response at the choroid plexus negatively affects brain function. <i>Science</i> , 2014, 346, 89-93.	12.6	463
21	Systemic Human ILC Precursors Provide a Substrate for Tissue ILC Differentiation. <i>Cell</i> , 2017, 168, 1086-1100.e10.	28.9	420
22	Host-Viral Infection Maps Reveal Signatures of Severe COVID-19 Patients. <i>Cell</i> , 2020, 181, 1475-1488.e12.	28.9	405
23	Lung Single-Cell Signaling Interaction Map Reveals Basophil Role in Macrophage Imprinting. <i>Cell</i> , 2018, 175, 1031-1044.e18.	28.9	332
24	Impaired immune surveillance accelerates accumulation of senescent cells and aging. <i>Nature Communications</i> , 2018, 9, 5435.	12.8	325
25	The role of the local environment and epigenetics in shaping macrophage identity and their effect on tissue homeostasis. <i>Nature Immunology</i> , 2016, 17, 18-25.	14.5	315
26	Cross-Species Single-Cell Analysis Reveals Divergence of the Primate Microglia Program. <i>Cell</i> , 2019, 179, 1609-1622.e16.	28.9	292
27	PD-1 immune checkpoint blockade reduces pathology and improves memory in mouse models of Alzheimer's disease. <i>Nature Medicine</i> , 2016, 22, 135-137.	30.7	286
28	Single-cell characterization of haematopoietic progenitors and their trajectories in homeostasis and perturbed haematopoiesis. <i>Nature Cell Biology</i> , 2018, 20, 836-846.	10.3	267
29	Paired-cell sequencing enables spatial gene expression mapping of liver endothelial cells. <i>Nature Biotechnology</i> , 2018, 36, 962-970.	17.5	262
30	A Myc enhancer cluster regulates normal and leukaemic haematopoietic stem cell hierarchies. <i>Nature</i> , 2018, 553, 515-520.	27.8	256
31	Single-cell mapping of the thymic stroma identifies IL-25-producing tuft epithelial cells. <i>Nature</i> , 2018, 559, 622-626.	27.8	235
32	Genomic Characterization of Murine Monocytes Reveals C/EBP $\beta$ Transcription Factor Dependence of Ly6C <sup>hi</sup> Cells. <i>Immunity</i> , 2017, 46, 849-862.e7.	14.3	233
33	Trained Memory of Human Uterine NK Cells Enhances Their Function in Subsequent Pregnancies. <i>Immunity</i> , 2018, 48, 951-962.e5.	14.3	230
34	Early metazoan cell type diversity and the evolution of multicellular gene regulation. <i>Nature Ecology and Evolution</i> , 2018, 2, 1176-1188.	7.8	226
35	MARS-seq2.0: an experimental and analytical pipeline for indexed sorting combined with single-cell RNA sequencing. <i>Nature Protocols</i> , 2019, 14, 1841-1862.	12.0	200
36	High-Resolution Sequencing and Modeling Identifies Distinct Dynamic RNA Regulatory Strategies. <i>Cell</i> , 2014, 159, 1698-1710.	28.9	196

#	ARTICLE	IF	CITATIONS
37	Deletion of a Csf1r enhancer selectively impacts CSF1R expression and development of tissue macrophage populations. <i>Nature Communications</i> , 2019, 10, 3215.	12.8	191
38	Dissecting cellular crosstalk by sequencing physically interacting cells. <i>Nature Biotechnology</i> , 2020, 38, 629-637.	17.5	187
39	High-Resolution Chromatin Dynamics during a Yeast Stress Response. <i>Molecular Cell</i> , 2015, 58, 371-386.	9.7	183
40	Single-cell transcriptomics reveals regulators underlying immune cell diversity and immune subtypes associated with prognosis in nasopharyngeal carcinoma. <i>Cell Research</i> , 2020, 30, 1024-1042.	12.0	182
41	C/EBP $\beta$ -Dependent Epigenetic Memory Induces Trained Immunity in Hematopoietic Stem Cells. <i>Cell Stem Cell</i> , 2020, 26, 657-674.e8.	11.1	180
42	Single cell dissection of plasma cell heterogeneity in symptomatic and asymptomatic myeloma. <i>Nature Medicine</i> , 2018, 24, 1867-1876.	30.7	179
43	Spatial reconstruction of immune niches by combining photoactivatable reporters and scRNA-seq. <i>Science</i> , 2017, 358, 1622-1626.	12.6	176
44	Dissection of Influenza Infection In Vivo by Single-Cell RNA Sequencing. <i>Cell Systems</i> , 2018, 6, 679-691.e4.	6.2	165
45	Plasmacytoid dendritic cells develop from Ly6D+ lymphoid progenitors distinct from the myeloid lineage. <i>Nature Immunology</i> , 2019, 20, 852-864.	14.5	162
46	Cancer-associated fibroblast compositions change with breast cancer progression linking the ratio of S100A4+ and PDPN+ CAFs to clinical outcome. <i>Nature Cancer</i> , 2020, 1, 692-708.	13.2	159
47	Mef2C restrains microglial inflammatory response and is lost in brain ageing in an IFN-I-dependent manner. <i>Nature Communications</i> , 2017, 8, 717.	12.8	157
48	Microglial immune checkpoint mechanisms. <i>Nature Neuroscience</i> , 2018, 21, 779-786.	14.8	119
49	CD74 is a novel transcription regulator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 562-567.	7.1	113
50	PD-1/PD-L1 checkpoint blockade harnesses monocyte-derived macrophages to combat cognitive impairment in a tauopathy mouse model. <i>Nature Communications</i> , 2019, 10, 465.	12.8	112
51	LifeTime and improving European healthcare through cell-based interceptive medicine. <i>Nature</i> , 2020, 587, 377-386.	27.8	108
52	Deciphering the state of immune silence in fatal COVID-19 patients. <i>Nature Communications</i> , 2021, 12, 1428.	12.8	107
53	Lgr5+ Atelocytes are a signaling source at the intestinal villus tip. <i>Nature Communications</i> , 2020, 11, 1936.	12.8	105
54	A niche-dependent myeloid transcriptome signature defines dormant myeloma cells. <i>Blood</i> , 2019, 134, 30-43.	1.4	99

#	ARTICLE	IF	CITATIONS
55	A single cell atlas of the human liver tumor microenvironment. <i>Molecular Systems Biology</i> , 2020, 16, e9682.	7.2	99
56	Chronic exposure to <scp>TGF</scp>Î²1 regulates myeloid cell inflammatory response in an <scp>IRF</scp>7â€dependent manner. <i>EMBO Journal</i> , 2014, 33, 2906-2921.	7.8	95
57	Acute liver failure is regulated by MYC- and microbiome-dependent programs. <i>Nature Medicine</i> , 2020, 26, 1899-1911.	30.7	95
58	XCR1+ type 1 conventional dendritic cells drive liver pathology in non-alcoholic steatohepatitis. <i>Nature Medicine</i> , 2021, 27, 1043-1054.	30.7	95
59	Cell composition analysis of bulk genomics using single-cell data. <i>Nature Methods</i> , 2019, 16, 327-332.	19.0	94
60	Bystander IFN-Î³ activity promotes widespread and sustained cytokine signaling altering the tumor microenvironment. <i>Nature Cancer</i> , 2020, 1, 302-314.	13.2	93
61	The interaction of CD4+ helper T cells with dendritic cells shapes the tumor microenvironment and immune checkpoint blockade response. <i>Nature Cancer</i> , 2022, 3, 303-317.	13.2	85
62	Single-cell genomic approaches for developing the next generation of immunotherapies. <i>Nature Medicine</i> , 2020, 26, 171-177.	30.7	84
63	Co-ChIP enables genome-wide mapping of histone mark co-occurrence at single-molecule resolution. <i>Nature Biotechnology</i> , 2016, 34, 953-961.	17.5	81
64	Transcriptional programs that control expression of the autoimmune regulator gene Aire. <i>Nature Immunology</i> , 2017, 18, 161-172.	14.5	81
65	Distinct Murine Mucosal Langerhans Cell Subsets Develop from Pre-dendritic Cells and Monocytes. <i>Immunity</i> , 2015, 43, 369-381.	14.3	78
66	Multi-tissue single-cell analysis deconstructs the complex programs of mouse natural killer and type 1 innate lymphoid cells in tissues and circulation. <i>Immunity</i> , 2021, 54, 1320-1337.e4.	14.3	77
67	DestVI identifies continuums of cell types in spatial transcriptomics data. <i>Nature Biotechnology</i> , 2022, 40, 1360-1369.	17.5	75
68	Cxcl10+ monocytes define a pathogenic subset in the central nervous system during autoimmune neuroinflammation. <i>Nature Immunology</i> , 2020, 21, 525-534.	14.5	74
69	MYCN mediates cysteine addiction and sensitizes neuroblastoma to ferroptosis. <i>Nature Cancer</i> , 2022, 3, 471-485.	13.2	73
70	Dicer Deficiency Differentially Impacts Microglia of the Developing and Adult Brain. <i>Immunity</i> , 2017, 46, 1030-1044.e8.	14.3	68
71	Autonomous TNF is critical for in vivo monocyte survival in steady state and inflammation. <i>Journal of Experimental Medicine</i> , 2017, 214, 905-917.	8.5	63
72	Spatiotemporal regulation of type I interferon expression determines the antiviral polarization of CD4+ T cells. <i>Nature Immunology</i> , 2020, 21, 321-330.	14.5	59

#	ARTICLE	IF	CITATIONS
73	Combining Developmental and Perturbation-Seq Uncovers Transcriptional Modules Orchestrating Neuronal Remodeling. <i>Developmental Cell</i> , 2018, 47, 38-52.e6.	7.0	56
74	Analysis of the transcriptional networks underpinning the activation of murine macrophages by inflammatory mediators. <i>Journal of Leukocyte Biology</i> , 2014, 96, 167-183.	3.3	54
75	Increasing CRISPR Efficiency and Measuring Its Specificity in HSPCs Using a Clinically Relevant System. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 17, 1097-1107.	4.1	46
76	Deterministic Somatic Cell Reprogramming Involves Continuous Transcriptional Changes Governed by Myc and Epigenetic-Driven Modules. <i>Cell Stem Cell</i> , 2019, 24, 328-341.e9.	11.1	44
77	Clump sequencing exposes the spatial expression programs of intestinal secretory cells. <i>Nature Communications</i> , 2021, 12, 3074.	12.8	43
78	Maternal Type-I interferon signaling adversely affects the microglia and the behavior of the offspring accompanied by increased sensitivity to stress. <i>Molecular Psychiatry</i> , 2020, 25, 1050-1067.	7.9	40
79	Single-Cell Analysis of Diverse Pathogen Responses Defines a Molecular Roadmap for Generating Antigen-Specific Immunity. <i>Cell Systems</i> , 2019, 8, 109-121.e6.	6.2	39
80	Bi-fated tendon-to-bone attachment cells are regulated by shared enhancers and KLF transcription factors. <i>ELife</i> , 2021, 10, .	6.0	36
81	Simultaneous measurement of genome-wide transcription elongation speeds and rates of RNA polymerase II transition into active elongation with 4sUDRB-seq. <i>Nature Protocols</i> , 2015, 10, 605-618.	12.0	35
82	Each cell counts: Hematopoiesis and immunity research in the era of single cell genomics. <i>Seminars in Immunology</i> , 2015, 27, 67-71.	5.6	35
83	Distinct biological events generated by ECM proteolysis by two homologous collagenases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10884-10889.	7.1	34
84	Dichotomous metabolic networks govern human ILC2 proliferation and function. <i>Nature Immunology</i> , 2021, 22, 1367-1374.	14.5	34
85	Making the case for chromatin profiling: a new tool to investigate the immune-regulatory landscape. <i>Nature Reviews Immunology</i> , 2015, 15, 585-594.	22.7	32
86	Salient experiences are represented by unique transcriptional signatures in the mouse brain. <i>ELife</i> , 2018, 7, .	6.0	31
87	MicroRNA-142 controls thymocyte proliferation. <i>European Journal of Immunology</i> , 2017, 47, 1142-1152.	2.9	29
88	Bispecific antibodies increase the therapeutic window of CD40 agonists through selective dendritic cell targeting. <i>Nature Cancer</i> , 2022, 3, 287-302.	13.2	29
89	Sequential Feedback Induction Stabilizes the Phosphate Starvation Response in Budding Yeast. <i>Cell Reports</i> , 2014, 9, 1122-1134.	6.4	26
90	Plasticity in the transcriptional and epigenetic circuits regulating dendritic cell lineage specification and function. <i>Current Opinion in Immunology</i> , 2014, 30, 1-8.	5.5	24

#	ARTICLE	IF	CITATIONS
91	From the Human Cell Atlas to dynamic immune maps in human disease. <i>Nature Reviews Immunology</i> , 2018, 18, 597-598.	22.7	23
92	Corticosteroid signaling at the brain-immune interface impedes coping with severe psychological stress. <i>Science Advances</i> , 2019, 5, eaav4111.	10.3	23
93	CRISPECTOR provides accurate estimation of genome editing translocation and off-target activity from comparative NGS data. <i>Nature Communications</i> , 2021, 12, 3042.	12.8	23
94	ETS Proteins Bind with Glucocorticoid Receptors: Relevance for Treatment of Ewing Sarcoma. <i>Cell Reports</i> , 2019, 29, 104-117.e4.	6.4	16
95	DC Respond to Cognate T Cell Interaction in the Antigen-Challenged Lymph Node. <i>Frontiers in Immunology</i> , 2019, 10, 863.	4.8	16
96	M-sec regulates polarized secretion of inflammatory endothelial chemokines and facilitates CCL2-mediated lymphocyte transendothelial migration. <i>Journal of Leukocyte Biology</i> , 2016, 99, 1045-1055.	3.3	14
97	Fatal cytokine release syndrome by an aberrant FLIP/STAT3 axis. <i>Cell Death and Differentiation</i> , 2022, 29, 420-438.	11.2	14
98	Meningeal lymphoid structures are activated under acute and chronic spinal cord pathologies. <i>Life Science Alliance</i> , 2021, 4, e202000907.	2.8	14
99	Single-cell analysis of regions of interest (SCARI) using a photosensitive tag. <i>Nature Chemical Biology</i> , 2021, 17, 1139-1147.	8.0	13
100	The bone marrow is patrolled by NK cells that are primed and expand in response to systemic viral activation. <i>European Journal of Immunology</i> , 2018, 48, 1137-1152.	2.9	12
101	Alzheimer's disease modification mediated by bone marrow-derived macrophages via a TREM2-independent pathway in mouse model of amyloidosis. <i>Nature Aging</i> , 2022, 2, 60-73.	11.6	12
102	Tumor cells in light-chain amyloidosis and myeloma show distinct transcriptional rewiring of normal plasma cell development. <i>Blood</i> , 2021, 138, 1583-1589.	1.4	11
103	Heads or tails: histone tail clipping regulates macrophage activity. <i>Nature Immunology</i> , 2021, 22, 678-680.	14.5	6
104	DCs are ready to commit. <i>Nature Immunology</i> , 2015, 16, 683-685.	14.5	4
105	From mass cytometry to cancer prognosis. <i>Nature Biotechnology</i> , 2015, 33, 931-932.	17.5	4
106	Embrace the fat when getting old. <i>Aging</i> , 2019, 11, 8730-8732.	3.1	3
107	Brain metastases: Not all tumors are created equal. <i>Neuron</i> , 2022, 110, 1097-1099.	8.1	2
108	Adverse effects of PD-1 targeted immunotherapy in NAFLD-triggered HCC. , 2020, 58, .		0

#	ARTICLE	IF	CITATIONS
109	Physically interacting beta-delta pairs in the regenerating pancreas revealed by single-cell sequencing. Molecular Metabolism, 2022, 60, 101467.	6.5	0