Eyal David

List of Publications by Year
in descending order

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63	19,310	38742 50	118850 62
papers	citations	h-index	g-index

69	69	69	31334
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Unique Microglia Type Associated with Restricting Development of Alzheimerâ€™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	Microglia development follows a stepwise program to regulate brain homeostasis. Science, 2016, 353, aad8670.	12.6	911
4	Transcriptional Heterogeneity and Lineage Commitment in Myeloid Progenitors. Cell, 2015, 163, 1663-1677.	28.9	875
5	Single-cell spatial reconstruction reveals global division of labour in the mammalian liver. Nature, 2017, 542, 352-356.	27.8	809
6	Dysfunctional CD8 T Cells Form a Proliferative, Dynamically Regulated Compartment within Human Melanoma. Cell, 2019, 176, 775-789.e18.	28.9	760
7	Microbiota-Modulated Metabolites Shape the Intestinal Microenvironment by Regulating NLRP6 Inflammasome Signaling. Cell, 2015, 163, 1428-1443.	28.9	728
8	Lipid-Associated Macrophages Control Metabolic Homeostasis in a Trem2-Dependent Manner. Cell, 2019, 178, 686-698.e14.	28.9	718
9	Chromatin state dynamics during blood formation. Science, 2014, 345, 943-949.	12.6	699
10	Dissecting Immune Circuits by Linking CRISPR-Pooled Screens with Single-Cell RNA-Seq. Cell, 2016, 167, 1883-1896.e15.	28.9	604
11	Microbiota Diurnal Rhythmicity Programs Host Transcriptome Oscillations. Cell, 2016, 167, 1495-1510.e12.	28.9	591
12	The Spectrum and Regulatory Landscape of Intestinal Innate Lymphoid Cells Are Shaped by the Microbiome. Cell, 2016, 166, 1231-1246.e13.	28.9	465
13	Aging-induced type I interferon response at the choroid plexus negatively affects brain function. Science, 2014, 346, 89-93.	12.6	463
14	Systemic Human ILC Precursors Provide a Substrate for Tissue ILC Differentiation. Cell, 2017, 168, 1086-1100.e10.	28.9	420
15	Host-Viral Infection Maps Reveal Signatures of Severe COVID-19 Patients. Cell, 2020, 181, 1475-1488.e12.	28.9	405
16	Lung Single-Cell Signaling Interaction Map Reveals Basophil Role in Macrophage Imprinting. Cell, 2018, 175, 1031-1044.e18.	28.9	332
17	Coupled scRNA-Seq and Intracellular Protein Activity Reveal an Immunosuppressive Role of TREM2 in Cancer. Cell, 2020, 182, 872-885.e19.	28.9	298
18	Cross-Species Single-Cell Analysis Reveals Divergence of the Primate Microglia Program. Cell, 2019, 179, 1609-1622.e16.	28.9	292

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19	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
20	Paired-cell sequencing enables spatial gene expression mapping of liver endothelial cells. Nature Biotechnology, 2018, 36, 962-970.	17.5	262
21	Single-cell mapping of the thymic stroma identifies IL-25-producing tuft epithelial cells. Nature, 2018, 559, 622-626.	27.8	235
22	Genomic Characterization of Murine Monocytes Reveals C/EBPÎ² Transcription Factor Dependence of Ly6C â^' Cells. Immunity, 2017, 46, 849-862.e7.	14.3	233
23	Trained Memory of Human Uterine NK Cells Enhances Their Function in Subsequent Pregnancies. Immunity, 2018, 48, 951-962.e5.	14.3	230
24	Brown-adipose-tissue macrophages control tissue innervation and homeostatic energy expenditure. Nature Immunology, 2017, 18, 665-674.	14.5	200
25	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
26	Deletion of a Csf1r enhancer selectively impacts CSF1R expression and development of tissue macrophage populations. Nature Communications, 2019, 10, 3215.	12.8	191
27	Dissecting cellular crosstalk by sequencing physically interacting cells. Nature Biotechnology, 2020, 38, 629-637.	17.5	187
28	C/EBPÎ²-Dependent Epigenetic Memory Induces Trained Immunity in Hematopoietic Stem Cells. Cell Stem Cell, 2020, 26, 657-674.e8.	11.1	180
29	Single cell dissection of plasma cell heterogeneity in symptomatic and asymptomatic myeloma. Nature Medicine, 2018, 24, 1867-1876.	30.7	179
30	Spatial reconstruction of immune niches by combining photoactivatable reporters and scRNA-seq. Science, 2017, 358, 1622-1626.	12.6	176
31	Re-evaluating microglia expression profiles using RiboTag and cell isolation strategies. Nature Immunology, 2018, 19, 636-644.	14.5	175
32	Engrafted parenchymal brain macrophages differ from microglia in transcriptome, chromatin landscape and response to challenge. Nature Communications, 2018, 9, 5206.	12.8	166
33	Dissection of Influenza Infection InÂVivo by Single-Cell RNA Sequencing. Cell Systems, 2018, 6, 679-691.e4.	6.2	165
34	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
35	Mef2C restrains microglial inflammatory response and is lost in brain ageing inÂan IFN-I-dependent manner. Nature Communications, 2017, 8, 717.	12.8	157
36	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

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37	Chronic exposure to <scp>TGF</scp>Î²1 regulates myeloid cell inflammatory response in an <scp>IRF</scp>7â€dependent manner. EMBO Journal, 2014, 33, 2906-2921.	7.8	95
38	XCR1+ type 1 conventional dendritic cells drive liver pathology in non-alcoholic steatohepatitis. Nature Medicine, 2021, 27, 1043-1054.	30.7	95
39	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
40	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
41	Co-ChIP enables genome-wide mapping of histone mark co-occurrence at single-molecule resolution. Nature Biotechnology, 2016, 34, 953-961.	17.5	81
42	Transcriptional programs that control expression of the autoimmune regulator gene Aire. Nature Immunology, 2017, 18, 161-172.	14.5	81
43	Multi-tissue single-cell analysis deconstructs the complex programs of mouse natural killer and type 1 innate lymphoid cells in tissues and circulation. Immunity, 2021, 54, 1320-1337.e4.	14.3	77
44	Induction of CD4 T cell memory by local cellular collectivity. Science, 2018, 360, .	12.6	75
45	DestVI identifies continuums of cell types in spatial transcriptomics data. Nature Biotechnology, 2022, 40, 1360-1369.	17.5	75
46	Ly6Chi Monocytes and Their Macrophage Descendants Regulate Neutrophil Function and Clearance in Acetaminophen-Induced Liver Injury. Frontiers in Immunology, 2017, 8, 626.	4.8	74
47	Microglial MHC class II is dispensable for experimental autoimmune encephalomyelitis and cuprizoneâ€induced demyelination. European Journal of Immunology, 2018, 48, 1308-1318.	2.9	71
48	Dicer Deficiency Differentially Impacts Microglia of the Developing and Adult Brain. Immunity, 2017, 46, 1030-1044.e8.	14.3	68
49	IL-23â€“producing IL-10RÎ±â€“deficient gut macrophages elicit an IL-22â€“driven proinflammatory epithelial cell response. Science Immunology, 2019, 4, .	11.9	68
50	Autonomous TNF is critical for in vivo monocyte survival in steady state and inflammation. Journal of Experimental Medicine, 2017, 214, 905-917.	8.5	63
51	A Negative Feedback Loop of Transcription Factors Specifies Alternative Dendritic Cell Chromatin States. Molecular Cell, 2014, 56, 749-762.	9.7	58
52	Combining Developmental and Perturbation-Seq Uncovers Transcriptional Modules Orchestrating Neuronal Remodeling. Developmental Cell, 2018, 47, 38-52.e6.	7.0	56
53	LGR5 expressing skin fibroblasts define a major cellular hub perturbed in scleroderma. Cell, 2022, 185, 1373-1388.e20.	28.9	50
54	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

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55	Distinct biological events generated by ECM proteolysis by two homologous collagenases. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10884-10889.	7.1	34
56	Defining murine monocyte differentiation into colonic and ileal macrophages. ELife, 2020, 9, .	6.0	25
57	ETS Proteins Bind with Glucocorticoid Receptors: Relevance for Treatment of Ewing Sarcoma. Cell Reports, 2019, 29, 104-117.e4.	6.4	16
58	DC Respond to Cognate T Cell Interaction in the Antigen-Challenged Lymph Node. Frontiers in Immunology, 2019, 10, 863.	4.8	16
59	Transneuronal Dpr12/DIPâ€ŕ interactions facilitate compartmentalized dopaminergic innervation of Drosophila mushroom body axons. EMBO Journal, 2021, 40, e105763.	7.8	15
60	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
61	Single-cell analysis of regions of interest (SCARI) using a photosensitive tag. Nature Chemical Biology, 2021, 17, 1139-1147.	8.0	13
62	TLR2 Dimerization Blockade Allows Generation of Homeostatic Intestinal Macrophages under Acute Colitis Challenge. Journal of Immunology, 2020, 204, 707-717.	0.8	4
63	Physically interacting beta-delta pairs in the regenerating pancreas revealed by single-cell sequencing. Molecular Metabolism, 2022, 60, 101467.	6.5	0