

# Thomas Ulas

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

8,438  
citations

159585

30  
h-index

168389

53  
g-index

66  
all docs

66  
docs citations

66  
times ranked

17292  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcriptome-Based Network Analysis Reveals a Spectrum Model of Human Macrophage Activation. <i>Immunity</i> , 2014, 40, 274-288.	14.3	1,692
2	Severe COVID-19 Is Marked by a Dysregulated Myeloid Cell Compartment. <i>Cell</i> , 2020, 182, 1419-1440.e23.	28.9	1,162
3	Western Diet Triggers NLRP3-Dependent Innate Immune Reprogramming. <i>Cell</i> , 2018, 172, 162-175.e14.	28.9	705
4	Microbiome Influences Prenatal and Adult Microglia in a Sex-Specific Manner. <i>Cell</i> , 2018, 172, 500-516.e16.	28.9	563
5	Swarm Learning for decentralized and confidential clinical machine learning. <i>Nature</i> , 2021, 594, 265-270.	27.8	375
6	Chemotherapy-induced antitumor immunity requires formyl peptide receptor 1. <i>Science</i> , 2015, 350, 972-978.	12.6	367
7	High-density lipoprotein mediates anti-inflammatory reprogramming of macrophages via the transcriptional regulator ATF3. <i>Nature Immunology</i> , 2014, 15, 152-160.	14.5	337
8	Longitudinal Multi-omics Analyses Identify Responses of Megakaryocytes, Erythroid Cells, and Plasmablasts as Hallmarks of Severe COVID-19. <i>Immunity</i> , 2020, 53, 1296-1314.e9.	14.3	278
9	Cyclodextrin promotes atherosclerosis regression via macrophage reprogramming. <i>Science Translational Medicine</i> , 2016, 8, 333ra50.	12.4	271
10	Membrane Cholesterol Efflux Drives Tumor-Associated Macrophage Reprogramming and Tumor Progression. <i>Cell Metabolism</i> , 2019, 29, 1376-1389.e4.	16.2	261
11	Disease severity-specific neutrophil signatures in blood transcriptomes stratify COVID-19 patients. <i>Genome Medicine</i> , 2021, 13, 7.	8.2	193
12	A chronic low dose of $\delta^9$ -tetrahydrocannabinol (THC) restores cognitive function in old mice. <i>Nature Medicine</i> , 2017, 23, 782-787.	30.7	188
13	Epigenomic Profiling of Human CD4+ T Cells Supports a Linear Differentiation Model and Highlights Molecular Regulators of Memory Development. <i>Immunity</i> , 2016, 45, 1148-1161.	14.3	174
14	Human lymphoid organ dendritic cell identity is predominantly dictated by ontogeny, not tissue microenvironment. <i>Science Immunology</i> , 2016, 1, .	11.9	145
15	Early IFN- $\gamma$ signatures and persistent dysfunction are distinguishing features of NK cells in severe COVID-19. <i>Immunity</i> , 2021, 54, 2650-2669.e14.	14.3	145
16	S100-alarmin-induced innate immune programming protects newborn infants from sepsis. <i>Nature Immunology</i> , 2017, 18, 622-632.	14.5	131
17	Cxcr4 distinguishes HSC-derived monocytes from microglia and reveals monocyte immune responses to experimental stroke. <i>Nature Neuroscience</i> , 2020, 23, 351-362.	14.8	123
18	Alarmins MRP8 and MRP14 Induce Stress Tolerance in Phagocytes under Sterile Inflammatory Conditions. <i>Cell Reports</i> , 2014, 9, 2112-2123.	6.4	118

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19	Exposure to the gut microbiota drives distinct methylome and transcriptome changes in intestinal epithelial cells during postnatal development. <i>Genome Medicine</i> , 2018, 10, 27.	8.2	117
20	Transcriptional and metabolic reprogramming induce an inflammatory phenotype in non-medullary thyroid carcinoma-induced macrophages. <i>Oncolmmunology</i> , 2016, 5, e1229725.	4.6	95
21	Mannose receptor induces T-cell tolerance via inhibition of CD45 and up-regulation of CTLA-4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10649-10654.	7.1	78
22	Cannabinoid receptor 2 deficiency results in reduced neuroinflammation in an Alzheimer's disease mouse model. <i>Neurobiology of Aging</i> , 2015, 36, 710-719.	3.1	73
23	S100A8 and S100A9 Are Important for Postnatal Development of Gut Microbiota and Immune System in Mice and Infants. <i>Gastroenterology</i> , 2020, 159, 2130-2145.e5.	1.3	64
24	Scalable Prediction of Acute Myeloid Leukemia Using High-Dimensional Machine Learning and Blood Transcriptomics. <i>IScience</i> , 2020, 23, 100780.	4.1	55
25	Two populations of self-maintaining monocyte-independent macrophages exist in adult epididymis and testis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	49
26	Impaired neurogenesis alters brain biomechanics in a neuroprogenitor-based genetic subtype of congenital hydrocephalus. <i>Nature Neuroscience</i> , 2022, 25, 458-473.	14.8	46
27	Genome-Scale Reconstruction and Analysis of the Metabolic Network in the Hyperthermophilic Archaeon <i>Sulfolobus Solfataricus</i> . <i>PLoS ONE</i> , 2012, 7, e43401.	2.5	44
28	CD83 expression is essential for Treg cell differentiation and stability. <i>JCI Insight</i> , 2018, 3, .	5.0	42
29	Co-existence of intact stemness and priming of neural differentiation programs in mES cells lacking Trim71. <i>Scientific Reports</i> , 2015, 5, 11126.	3.3	39
30	Urban living in healthy Tanzanians is associated with an inflammatory status driven by dietary and metabolic changes. <i>Nature Immunology</i> , 2021, 22, 287-300.	14.5	38
31	Nuclear FOXO1 promotes lymphomagenesis in germinal center B cells. <i>Blood</i> , 2018, 132, 2670-2683.	1.4	36
32	In neonates S100A8/S100A9 alarmins prevent the expansion of a specific inflammatory monocyte population promoting septic shock. <i>FASEB Journal</i> , 2017, 31, 1153-1164.	0.5	35
33	The gut microbiota is associated with the small intestinal paracellular permeability and the development of the immune system in healthy children during the first two years of life. <i>Journal of Translational Medicine</i> , 2021, 19, 177.	4.4	34
34	Shiny-Seq: advanced guided transcriptome analysis. <i>BMC Research Notes</i> , 2019, 12, 432.	1.4	28
35	CD163 expression defines specific, IRF8-dependent, immune-modulatory macrophages in the bone marrow. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 146, 1137-1151.	2.9	27
36	Severe COVID-19 Shares a Common Neutrophil Activation Signature with Other Acute Inflammatory States. <i>Cells</i> , 2022, 11, 847.	4.1	27

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37	Cannabinoid receptor 2 is necessary to induce toll-like receptor-mediated microglial activation. <i>Glia</i> , 2022, 70, 71-88.	4.9	24
38	Tumor endothelial cell up-regulation of IDO1 is an immunosuppressive feed-back mechanism that reduces the response to CD40-stimulating immunotherapy. <i>Oncolmmunology</i> , 2020, 9, 1730538.	4.6	23
39	Characterization of inflammatory markers and transcriptome profiles of differentially activated embryonic stem cell-derived microglia. <i>Glia</i> , 2016, 64, 1007-1020.	4.9	22
40	Alveolar macrophage transcriptomic profiling in COPD shows major lipid metabolism changes. <i>ERJ Open Research</i> , 2021, 7, 00915-2020.	2.6	20
41	Differential Gene Expression in Circulating CD14+ Monocytes Indicates the Prognosis of Critically Ill Patients with Sepsis. <i>Journal of Clinical Medicine</i> , 2020, 9, 127.	2.4	18
42	Inactivation of ceramide synthase 2 catalytic activity in mice affects transcription of genes involved in lipid metabolism and cell division. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 734-749.	2.4	16
43	Crel2 function during unfolded protein response is essential for liver metabolism homeostasis. <i>FASEB Journal</i> , 2021, 35, e21939.	0.5	15
44	CRELD1 modulates homeostasis of the immune system in mice and humans. <i>Nature Immunology</i> , 2020, 21, 1517-1527.	14.5	13
45	The stem cell-specific protein TRIM71 inhibits maturation and activity of the prodifferentiation miRNA let-7 via two independent molecular mechanisms. <i>Rna</i> , 2021, 27, 805-828.	3.5	12
46	Crel1 regulates myocardial development and function. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 156, 45-56.	1.9	11
47	Interplay between thyroid cancer cells and macrophages: effects on IL-32 mediated cell death and thyroid cancer cell migration. <i>Cellular Oncology (Dordrecht)</i> , 2019, 42, 691-703.	4.4	9
48	S100A8/A9 is the first predictive marker for neonatal sepsis. <i>Clinical and Translational Medicine</i> , 2021, 11, e338.	4.0	9
49	Mature neutrophils and a NFkB-to-IFN transition determine the unifying disease recovery dynamics in COVID-19. <i>Cell Reports Medicine</i> , 2022, , 100652.	6.5	9
50	Induction of Rosette-to-Lumen stage embryoids using reprogramming paradigms in ESCs. <i>Nature Communications</i> , 2021, 12, 7322.	12.8	6
51	Modeling population heterogeneity from microbial communities to immune response in cells. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 415-432.	5.4	5
52	The Metano Modeling Toolbox MMTB: An Intuitive, Web-Based Toolbox Introduced by Two Use Cases. <i>Metabolites</i> , 2021, 11, 113.	2.9	2
53	Bioinformatic Assessment of Macrophage Activation by the Innate Immune System. <i>Methods in Molecular Biology</i> , 2018, 1714, 19-40.	0.9	1