Thomas Ulas

List of Publications by Year in descending order

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	Cannabinoid receptor 2 is necessary to induce tollâ€like receptorâ€mediated microglial activation. Glia, 2022, 70, 71-88.	4.9	24
2	Severe COVID-19 Shares a Common Neutrophil Activation Signature with Other Acute Inflammatory States. Cells, 2022, 11, 847.	4.1	27
3	Impaired neurogenesis alters brain biomechanics in a neuroprogenitor-based genetic subtype of congenital hydrocephalus. Nature Neuroscience, 2022, 25, 458-473.	14.8	46
4	Mature neutrophils and a NFkB-to-IFN transition determine the unifying disease recovery dynamics in COVID-19. Cell Reports Medicine, 2022, , 100652.	6.5	9
5	Disease severity-specific neutrophil signatures in blood transcriptomes stratify COVID-19 patients. Genome Medicine, 2021, 13, 7.	8.2	193
6	The Metano Modeling Toolbox MMTB: An Intuitive, Web-Based Toolbox Introduced by Two Use Cases. Metabolites, 2021, 11, 113.	2.9	2
7	Urban living in healthy Tanzanians is associated with an inflammatory status driven by dietary and metabolic changes. Nature Immunology, 2021, 22, 287-300.	14.5	38
8	S100A8/A9 is the first predictive marker for neonatal sepsis. Clinical and Translational Medicine, 2021, 11, e338.	4.0	9
9	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. Journal of Translational Medicine, 2021, 19, 177.	4.4	34
10	Alveolar macrophage transcriptomic profiling in COPD shows major lipid metabolism changes. ERJ Open Research, 2021, 7, 00915-2020.	2.6	20
11	Swarm Learning for decentralized and confidential clinical machine learning. Nature, 2021, 594, 265-270.	27.8	375
12	The stem cellâ€"specific protein TRIM71 inhibits maturation and activity of the prodifferentiation miRNA let-7 via two independent molecular mechanisms. Rna, 2021, 27, 805-828.	3.5	12
13	Creld1 regulates myocardial development and function. Journal of Molecular and Cellular Cardiology, 2021, 156, 45-56.	1.9	11
14	Early IFN-Î± signatures and persistent dysfunction are distinguishing features of NK cells in severe COVID-19. Immunity, 2021, 54, 2650-2669.e14.	14.3	145
15	Creld2 function during unfolded protein response is essential for liver metabolism homeostasis. FASEB Journal, 2021, 35, e21939.	0.5	15
16	Two populations of self-maintaining monocyte-independent macrophages exist in adult epididymis and testis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	49
17	Induction of Rosette-to-Lumen stage embryoids using reprogramming paradigms in ESCs. Nature Communications, 2021, 12, 7322.	12.8	6
18	Differential Gene Expression in Circulating CD14+ Monocytes Indicates the Prognosis of Critically Ill Patients with Sepsis. Journal of Clinical Medicine, 2020, 9, 127.	2.4	18

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19	Modeling population heterogeneity from microbial communities to immune response in cells. Cellular and Molecular Life Sciences, 2020, 77, 415-432.	5.4	5
20	Scalable Prediction of Acute Myeloid Leukemia Using High-Dimensional Machine Learning and Blood Transcriptomics. IScience, 2020, 23, 100780.	4.1	55
21	Longitudinal Multi-omics Analyses Identify Responses of Megakaryocytes, Erythroid Cells, and Plasmablasts as Hallmarks of Severe COVID-19. Immunity, 2020, 53, 1296-1314.e9.	14.3	278
22	Severe COVID-19 Is Marked by a Dysregulated Myeloid Cell Compartment. Cell, 2020, 182, 1419-1440.e23.	28.9	1,162
23	S100A8 and S100A9 Are Important for Postnatal Development of Gut Microbiota and Immune System in Mice and Infants. Gastroenterology, 2020, 159, 2130-2145.e5.	1.3	64
24	CRELD1 modulates homeostasis of the immune system in mice and humans. Nature Immunology, 2020, 21, 1517-1527.	14.5	13
25	CD163 expression defines specific, IRF8-dependent, immune-modulatory macrophages in the bone marrow. Journal of Allergy and Clinical Immunology, 2020, 146, 1137-1151.	2.9	27
26	Tumor endothelial cell up-regulation of IDO1 is an immunosuppressive feed-back mechanism that reduces the response to CD40-stimulating immunotherapy. OncoImmunology, 2020, 9, 1730538.	4.6	23
27	Cxcr4 distinguishes HSC-derived monocytes from microglia and reveals monocyte immune responses to experimental stroke. Nature Neuroscience, 2020, 23, 351-362.	14.8	123
28	Shiny-Seq: advanced guided transcriptome analysis. BMC Research Notes, 2019, 12, 432.	1.4	28
29	Interplay between thyroid cancer cells and macrophages: effects on IL-32 mediated cell death and thyroid cancer cell migration. Cellular Oncology (Dordrecht), 2019, 42, 691-703.	4.4	9
30	Membrane Cholesterol Efflux Drives Tumor-Associated Macrophage Reprogramming and Tumor Progression. Cell Metabolism, 2019, 29, 1376-1389.e4.	16.2	261
31	Inactivation of ceramide synthase 2 catalytic activity in mice affects transcription of genes involved in lipid metabolism and cell division. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 734-749.	2.4	16
32	Microbiome Influences Prenatal and Adult Microglia in a Sex-Specific Manner. Cell, 2018, 172, 500-516.e16.	28.9	563
33	Western Diet Triggers NLRP3-Dependent Innate Immune Reprogramming. Cell, 2018, 172, 162-175.e14.	28.9	705
34	Exposure to the gut microbiota drives distinct methylome and transcriptome changes in intestinal epithelial cells during postnatal development. Genome Medicine, 2018, 10, 27.	8.2	117
35	Nuclear FOXO1 promotes lymphomagenesis in germinal center B cells. Blood, 2018, 132, 2670-2683.	1.4	36
36	Bioinformatic Assessment of Macrophage Activation by the Innate Immune System. Methods in Molecular Biology, 2018, 1714, 19-40.	0.9	1

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37	CD83 expression is essential for Treg cell differentiation and stability. JCI Insight, 2018, 3, .	5.0	42
38	A chronic low dose of Î"9-tetrahydrocannabinol (THC) restores cognitive function in old mice. Nature Medicine, 2017, 23, 782-787.	30.7	188
39	S100-alarmin-induced innate immune programming protects newborn infants from sepsis. Nature Immunology, 2017, 18, 622-632.	14.5	131
40	In neonates S100A8/S100A9 alarmins prevent the expansion of a specific inflammatory monocyte population promoting septic shock. FASEB Journal, 2017, 31, 1153-1164.	0.5	35
41	Characterization of inflammatory markers and transcriptome profiles of differentially activated embryonic stem cellâ€derived microglia. Glia, 2016, 64, 1007-1020.	4.9	22
42	Human lymphoid organ dendritic cell identity is predominantly dictated by ontogeny, not tissue microenvironment. Science Immunology, 2016, 1, .	11.9	145
43	Mannose receptor induces T-cell tolerance via inhibition of CD45 and up-regulation of CTLA-4. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10649-10654.	7.1	78
44	Transcriptional and metabolic reprogramming induce an inflammatory phenotype in non-medullary thyroid carcinoma-induced macrophages. OncoImmunology, 2016, 5, e1229725.	4.6	95
45	Epigenomic Profiling of Human CD4+ T Cells Supports a Linear Differentiation Model and Highlights Molecular Regulators of Memory Development. Immunity, 2016, 45, 1148-1161.	14.3	174
46	Cyclodextrin promotes atherosclerosis regression via macrophage reprogramming. Science Translational Medicine, 2016, 8, 333ra50.	12.4	271
47	Co-existence of intact stemness and priming of neural differentiation programs in mES cells lacking Trim71. Scientific Reports, 2015, 5, 11126.	3.3	39
48	Cannabinoid receptor 2 deficiency results in reduced neuroinflammation in an Alzheimer's disease mouse model. Neurobiology of Aging, 2015, 36, 710-719.	3.1	73
49	Chemotherapy-induced antitumor immunity requires formyl peptide receptor 1. Science, 2015, 350, 972-978.	12.6	367
50	Alarmins MRP8 and MRP14 Induce Stress Tolerance in Phagocytes under Sterile Inflammatory Conditions. Cell Reports, 2014, 9, 2112-2123.	6.4	118
51	High-density lipoprotein mediates anti-inflammatory reprogramming of macrophages via the transcriptional regulator ATF3. Nature Immunology, 2014, 15, 152-160.	14.5	337
52	Transcriptome-Based Network Analysis Reveals a Spectrum Model of Human Macrophage Activation. Immunity, 2014, 40, 274-288.	14.3	1,692
53	Genome-Scale Reconstruction and Analysis of the Metabolic Network in the Hyperthermophilic Archaeon Sulfolobus Solfataricus. PLoS ONE, 2012, 7, e43401.	2.5	44