Tyler K Ulland

List of Publications by Year
in descending order

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37 papers	8,374 citations	279798 23 h-index	377865 34 g-index
42 all docs	42 docs citations	42 times ranked	11715 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	TREM2 Maintains Microglial Metabolic Fitness in Alzheimerâ€™s Disease. Cell, 2017, 170, 649-663.e13.	28.9	741
3	Human and mouse single-nucleus transcriptomics reveal TREM2-dependent and TREM2-independent cellular responses in Alzheimerâ€™s disease. Nature Medicine, 2020, 26, 131-142.	30.7	641
4	Necrotic cells trigger a sterile inflammatory response through the Nlrp3 inflammasome. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20388-20393.	7.1	593
5	TREM2-mediated early microglial response limits diffusion and toxicity of amyloid plaques. Journal of Experimental Medicine, 2016, 213, 667-675.	8.5	565
6	TREM2 â€" a key player in microglial biology and Alzheimer disease. Nature Reviews Neurology, 2018, 14, 667-675.	10.1	396
7	SMAD4 impedes the conversion of NK cells into ILC1-like cells by curtailing non-canonical TGF-Î² signaling. Nature Immunology, 2017, 18, 995-1003.	14.5	268
8	Elucidating the Role of TREM2 in Alzheimerâ€™s Disease. Neuron, 2017, 94, 237-248.	8.1	255
9	ApoE facilitates the microglial response to amyloid plaque pathology. Journal of Experimental Medicine, 2018, 215, 1047-1058.	8.5	194
10	Alzheimer's diseaseâ€associated TREM2 variants exhibit either decreased or increased ligandâ€dependent activation. Alzheimer's and Dementia, 2017, 13, 381-387.	0.8	192
11	Humanized TREM2 mice reveal microglia-intrinsic and -extrinsic effects of R47H polymorphism. Journal of Experimental Medicine, 2018, 215, 745-760.	8.5	182
12	Group 3 innate lymphoid cells mediate early protective immunity against tuberculosis. Nature, 2019, 570, 528-532.	27.8	153
13	The Role of Microglia and the Nlrp3 Inflammasome in Alzheimer's Disease. Frontiers in Neurology, 2020, 11, 570711.	2.4	120
14	Î²-Hydroxybutyrate inhibits inflammasome activation to attenuate Alzheimerâ€™s disease pathology. Journal of Neuroinflammation, 2020, 17, 280.	7.2	117
15	IL-15 sustains IL-7R-independent ILC2 and ILC3 development. Nature Communications, 2017, 8, 14601.	12.8	89
16	Cutting Edge: Mutation of Francisella tularensis mviN Leads to Increased Macrophage Absent in Melanoma 2 Inflammasome Activation and a Loss of Virulence. Journal of Immunology, 2010, 185, 2670-2674.	0.8	73
17	TREM2-Dependent Effects on Microglia in Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2018, 10, 202.	3.4	60
18	Nlrp12 mutation causes C57BL/6J strain-specific defect in neutrophil recruitment. Nature Communications, 2016, 7, 13180.	12.8	55

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19	Evasion of inflammasome activation by microbial pathogens. Journal of Clinical Investigation, 2015, 125, 469-477.	8.2	53
20	The Tick Salivary Protein Sialostatin L2 Inhibits Caspase-1-Mediated Inflammation during Anaplasma phagocytophilum Infection. Infection and Immunity, 2014, 82, 2553-2564.	2.2	51
21	Nonredundant roles of keratinocyteâ€derived ILâ€34 and neutrophilâ€derived CSF1 in Langerhans cell renewal in the steady state and during inflammation. European Journal of Immunology, 2016, 46, 552-559.	2.9	50
22	Jak3 deficiency blocks innate lymphoid cell development. Mucosal Immunology, 2018, 11, 50-60.	6.0	49
23	Regulation of microglial survival and proliferation in health and diseases. Seminars in Immunology, 2015, 27, 410-415.	5.6	37
24	Microglial Immunometabolism in Alzheimerâ€™s Disease. Frontiers in Cellular Neuroscience, 2020, 14, 563446.	3.7	27
25	Francisella tularensis directly interacts with the endothelium and recruits neutrophils with a blunted inflammatory phenotype. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 296, L1076-L1084.	2.9	24
26	Modulation of Glial Function in Health, Aging, and Neurodegenerative Disease. Frontiers in Cellular Neuroscience, 2021, 15, 718324.	3.7	22
27	An Anti-Inflammatory Role for NLRP10 in Murine Cutaneous Leishmaniasis. Journal of Immunology, 2017, 199, 2823-2833.	0.8	21
28	Francisella tularensis Live Vaccine Strain Folate Metabolism and Pseudouridine Synthase Gene Mutants Modulate Macrophage Caspase-1 Activation. Infection and Immunity, 2013, 81, 201-208.	2.2	16
29	Alzheimerâ€™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
30	Transcriptional response of murine microglia in Alzheimerâ€™s disease and inflammation. BMC Genomics, 2022, 23, 183.	2.8	11
31	Alzheimerâ€™s Disease, Sleep Disordered Breathing, and Microglia: Puzzling out a Common Link. Cells, 2021, 10, 2907.	4.1	10
32	Activation of the Inflammasome by Bacterial Pathogens. , 2011, , 37-50.		3
33	A Model of Discovery: The Role of Imaging Established and Emerging Non-mammalian Models in Neuroscience. Frontiers in Molecular Neuroscience, 2022, 15, 867010.	2.9	3
34	Exploring the zinc-related transcriptional landscape in Alzheimerâ€™s disease. IBRO Neuroscience Reports, 2022, 13, 31-37.	1.6	3
35	O2â€07â€02: Trem2â€Mediated Early Response by Resident Microglia Limits Diffusion and Toxicity of Amyloid Plaques. Alzheimer's and Dementia, 2016, 12, P241.	0.8	0
36	Bloodâ€brain barrier permeability measured by 7Î±â€hydroxyâ€3â€oxoâ€4â€cholestenoic acid in CSF associates with Alzheimerâ€™s pathology biomarkers in cerebrospinal fluid. Alzheimer's and Dementia, 2020, 16, e046582.	0.8	0

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37	Sexâ€Dependent Effects of Gestational Intermittent Hypoxia Exposure in the 5XFAD Mouse Model of Alzheimerâ€™s Disease. FASEB Journal, 2022, 36, .	0.5	0