

Calum Bain

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

5,070
citations

218381

26
h-index

301761

39
g-index

46
all docs

46
docs citations

46
times ranked

7246
citing authors

#	ARTICLE	IF	CITATIONS
1	Constant replenishment from circulating monocytes maintains the macrophage pool in the intestine of adult mice. <i>Nature Immunology</i> , 2014, 15, 929-937.	7.0	921
2	Resident and pro-inflammatory macrophages in the colon represent alternative context-dependent fates of the same Ly6Chi monocyte precursors. <i>Mucosal Immunology</i> , 2013, 6, 498-510.	2.7	749
3	Macrophages in intestinal homeostasis and inflammation. <i>Immunological Reviews</i> , 2014, 260, 102-117.	2.8	466
4	CD64 distinguishes macrophages from dendritic cells in the gut and reveals the inducing role of mesenteric lymph node macrophages during colitis. <i>European Journal of Immunology</i> , 2012, 42, 3150-3166.	1.6	430
5	Long-lived self-renewing bone marrow-derived macrophages displace embryo-derived cells to inhabit adult serous cavities. <i>Nature Communications</i> , 2016, 7, ncomms11852.	5.8	275
6	Origin, Differentiation, and Function of Intestinal Macrophages. <i>Frontiers in Immunology</i> , 2018, 9, 2733.	2.2	216
7	Intestinal macrophages and dendritic cells: what's the difference?. <i>Trends in Immunology</i> , 2014, 35, 270-277.	2.9	201
8	An Independent Subset of TLR Expressing CCR2-Dependent Macrophages Promotes Colonic Inflammation. <i>Journal of Immunology</i> , 2010, 184, 6843-6854.	0.4	180
9	CSF1 Restores Innate Immunity After Liver Injury in Mice and Serum Levels Indicate Outcomes of Patients With Acute Liver Failure. <i>Gastroenterology</i> , 2015, 149, 1896-1909.e14.	0.6	156
10	CCR2+CD103+ intestinal dendritic cells develop from DC-committed precursors and induce interleukin-17 production by T cells. <i>Mucosal Immunology</i> , 2015, 8, 327-339.	2.7	140
11	Tissue-specific differentiation of colonic macrophages requires TGF β 2 receptor-mediated signaling. <i>Mucosal Immunology</i> , 2017, 10, 1387-1399.	2.7	126
12	Barrier-tissue macrophages: functional adaptation to environmental challenges. <i>Nature Medicine</i> , 2017, 23, 1258-1270.	15.2	114
13	Dynamics of Colon Monocyte and Macrophage Activation During Colitis. <i>Frontiers in Immunology</i> , 2018, 9, 2764.	2.2	111
14	Intestinal macrophages – specialised adaptation to a unique environment. <i>European Journal of Immunology</i> , 2011, 41, 2494-2498.	1.6	93
15	Lymph-borne CD8+ dendritic cells are uniquely able to cross-prime CD8+ T cells with antigen acquired from intestinal epithelial cells. <i>Mucosal Immunology</i> , 2015, 8, 38-48.	2.7	93
16	The impact of the lung environment on macrophage development, activation and function: diversity in the face of adversity. <i>Mucosal Immunology</i> , 2022, 15, 223-234.	2.7	81
17	Csf1r-mApple Transgene Expression and Ligand Binding In Vivo Reveal Dynamics of CSF1R Expression within the Mononuclear Phagocyte System. <i>Journal of Immunology</i> , 2018, 200, 2209-2223.	0.4	75
18	TGF β 2R signalling controls CD103+CD11b+ dendritic cell development in the intestine. <i>Nature Communications</i> , 2017, 8, 620.	5.8	74

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19	Rate of replenishment and microenvironment contribute to the sexually dimorphic phenotype and function of peritoneal macrophages. <i>Science Immunology</i> , 2020, 5, .	5.6	60
20	Recruited macrophages that colonize the post-inflammatory peritoneal niche convert into functionally divergent resident cells. <i>Nature Communications</i> , 2021, 12, 1770.	5.8	58
21	An efficient method to isolate Kupffer cells eliminating endothelial cell contamination and selective bias. <i>Journal of Leukocyte Biology</i> , 2018, 104, 579-586.	1.5	51
22	The biology of serous cavity macrophages. <i>Cellular Immunology</i> , 2018, 330, 126-135.	1.4	51
23	The MacBlue Binary Transgene (csf1r-gal4VP16/UAS-ECFP) Provides a Novel Marker for Visualisation of Subsets of Monocytes, Macrophages and Dendritic Cells and Responsiveness to CSF1 Administration. <i>PLoS ONE</i> , 2014, 9, e105429.	1.1	48
24	Resolution of Inflammation and Gut Repair in IBD: Translational Steps Towards Complete Mucosal Healing. <i>Inflammatory Bowel Diseases</i> , 2020, 26, 1131-1143.	0.9	47
25	CD4+ T-cell survival in the GI tract requires dectin-1 during fungal infection. <i>Mucosal Immunology</i> , 2016, 9, 492-502.	2.7	39
26	CD200 receptor and macrophage function in the intestine. <i>Immunobiology</i> , 2012, 217, 643-651.	0.8	33
27	Role of Tim4 in the regulation of ABCA1+ adipose tissue macrophages and post-prandial cholesterol levels. <i>Nature Communications</i> , 2021, 12, 4434.	5.8	27
28	The transcription factor EGR2 is indispensable for tissue-specific imprinting of alveolar macrophages in health and tissue repair. <i>Science Immunology</i> , 2021, 6, eabj2132.	5.6	23
29	Proinflammatory Role of Monocyte-Derived CX3CR1 ^{int} Macrophages in Helicobacter hepaticus-Induced Colitis. <i>Infection and Immunity</i> , 2018, 86, .	1.0	22
30	The mannose receptor (CD206) identifies a population of colonic macrophages in health and inflammatory bowel disease. <i>Scientific Reports</i> , 2021, 11, 19616.	1.6	21
31	Hypoxia shapes the immune landscape in lung injury and promotes the persistence of inflammation. <i>Nature Immunology</i> , 2022, 23, 927-939.	7.0	21
32	Isolation and Identification of Intestinal Myeloid Cells. <i>Methods in Molecular Biology</i> , 2017, 1559, 223-239.	0.4	15
33	Isolation and Identification of Murine Serous Cavity Macrophages. <i>Methods in Molecular Biology</i> , 2018, 1784, 51-67.	0.4	10
34	Pulmonary macrophages and SARS-Cov2 infection. <i>International Review of Cell and Molecular Biology</i> , 2022, 367, 1-28.	1.6	10
35	Editorial: Monocyte Heterogeneity and Function. <i>Frontiers in Immunology</i> , 2020, 11, 626725.	2.2	9
36	CD11c identifies microbiota and EGR2-dependent MHCII ⁺ serous cavity macrophages with sexually dimorphic fate in mice. <i>European Journal of Immunology</i> , 2022, 52, 1243-1257.	1.6	8

#	ARTICLE	IF	CITATIONS
37	Alternative monocytes settle in for the long term. Nature Immunology, 2017, 18, 599-600.	7.0	3
38	Guardians of the epithelium: macrophages protect against toxic fungal derivatives. Mucosal Immunology, 2021, 14, 542-543.	2.7	1
39	Sweet! Helicobacter Sugar Calms Intestinal Macrophages. Cell Host and Microbe, 2017, 22, 719-721.	5.1	0
40	OTH-10â€¦Therapeutic interleukin 4 modulates monocyte dynamics and accelerates repair following acute liver injury. , 2019, , .		0