Fiona M Powrie

List of Publications by Year
in descending order

67 papers	19,794 citations	70961 41 h-index	102304 66 g-index
73 all docs	73 docs citations	73 times ranked	24953 citing authors

#	Article	IF	Citations
1	A functionally specialized population of mucosal CD103+ DCs induces Foxp3+ regulatory T cells via a TGF-Î²â€“ and retinoic acidâ€“dependent mechanism. Journal of Experimental Medicine, 2007, 204, 1757-1764.	4.2	2,457
2	Cytotoxic T Lymphocyteâ€“Associated Antigen 4 Plays an Essential Role in the Function of Cd25+Cd4+ Regulatory Cells That Control Intestinal Inflammation. Journal of Experimental Medicine, 2000, 192, 295-302.	4.2	1,971
3	Intestinal homeostasis and its breakdown in inflammatory bowel disease. Nature, 2011, 474, 298-306.	13.7	1,565
4	Innate Lymphoid Cells: 10 Years On. Cell, 2018, 174, 1054-1066.	13.5	1,467
5	An Essential Role for Interleukin 10 in the Function of Regulatory T Cells That Inhibit Intestinal Inflammation. Journal of Experimental Medicine, 1999, 190, 995-1004.	4.2	1,402
6	Phenotypically distinct subsets of CD4+ T cells induce or protect from chronic intestinal inflammation in C. B-17 scid mice. International Immunology, 1993, 5, 1461-1471.	1.8	988
7	The alarmin IL-33 promotes regulatory T-cell function in the intestine. Nature, 2014, 513, 564-568.	13.7	846
8	The Short Chain Fatty Acid Butyrate Imprints an Antimicrobial Program in Macrophages. Immunity, 2019, 50, 432-445.e7.	6.6	612
9	IL-23 plays a key role in Helicobacter hepaticusâ€“induced T cellâ€“dependent colitis. Journal of Experimental Medicine, 2006, 203, 2485-2494.	4.2	571
10	Oncostatin M drives intestinal inflammation and predicts response to tumor necrosis factorâ€“neutralizing therapy in patients with inflammatory bowel disease. Nature Medicine, 2017, 23, 579-589.	15.2	571
11	IL-1Î² mediates chronic intestinal inflammation by promoting the accumulation of IL-17A secreting innate lymphoid cells and CD4+ Th17 cells. Journal of Experimental Medicine, 2012, 209, 1595-1609.	4.2	485
12	Innate lymphoid cells sustain colon cancer through production of interleukin-22 in a mouse model. Journal of Experimental Medicine, 2013, 210, 917-931.	4.2	470
13	Human CD4+CD25+ thymocytes and peripheral T cells have immune suppressive activityin vitro. European Journal of Immunology, 2001, 31, 1247-1254.	1.6	456
14	Essential role for CD103 in the T cellâ€“mediated regulation of experimental colitis. Journal of Experimental Medicine, 2005, 202, 1051-1061.	4.2	450
15	Cytokine Networks in the Pathophysiology of Inflammatory Bowel Disease. Immunity, 2019, 50, 992-1006.	6.6	449
16	Interleukin-23 Restrains Regulatory T Cell Activity toÂDrive T Cell-Dependent Colitis. Immunity, 2008, 28, 559-570.	6.6	352
17	Single-Cell Transcriptomics of Regulatory T Cells Reveals Trajectories of Tissue Adaptation. Immunity, 2019, 50, 493-504.e7.	6.6	352
18	Regulatory T Cells Reinforce Intestinal Homeostasis. Immunity, 2009, 31, 401-411.	6.6	327

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19	Factors influencing success of clinical genome sequencing across a broad spectrum of disorders. Nature Genetics, 2015, 47, 717-726.	9.4	310
20	Emerging cytokine networks in colorectal cancer. Nature Reviews Immunology, 2015, 15, 615-629.	10.6	306
21	Circulating and Tissue-Resident CD4+ T Cells With Reactivity to Intestinal Microbiota Are Abundant in Healthy Individuals and Function Is Altered During Inflammation. Gastroenterology, 2017, 153, 1320-1337.e16.	0.6	246
22	Hostâ€“microbiota maladaptation in colorectal cancer. Nature, 2020, 585, 509-517.	13.7	230
23	CD38+ CD45RBlow CD4+ T cells: a population of T cells with immune regulatory activitiesin vitro. European Journal of Immunology, 1998, 28, 3435-3447.	1.6	192
24	ILC3 GM-CSF production and mobilisation orchestrate acute intestinal inflammation. ELife, 2016, 5, e10066.	2.8	185
25	Mutations in Tetratricopeptide Repeat Domain 7A Result in a Severe Form of Very Early Onset Inflammatory Bowel Disease. Gastroenterology, 2014, 146, 1028-1039.	0.6	175
26	The interleukinâ€23 axis in intestinal inflammation. Immunological Reviews, 2008, 226, 147-159.	2.8	157
27	Granulocyte Macrophage Colony-Stimulating Factor-Activated Eosinophils Promote Interleukin-23 Driven Chronic Colitis. Immunity, 2015, 43, 187-199.	6.6	150
28	OX40 is required for regulatory T cellâ€“mediated control of colitis. Journal of Experimental Medicine, 2010, 207, 699-709.	4.2	142
29	Regulatory T cell adaptation in the intestine and skin. Nature Immunology, 2019, 20, 386-396.	7.0	128
30	Impaired antibacterial autophagy links granulomatous intestinal inflammation in Niemannâ€“Pick disease type C1 and XIAP deficiency with NOD2 variants in Crohn's disease. Gut, 2017, 66, 1060-1073.	6.1	126
31	Translating Immunology into Therapeutic Concepts for Inflammatory Bowel Disease. Annual Review of Immunology, 2018, 36, 755-781.	9.5	121
32	IL-1-driven stromalâ€“neutrophil interactions define a subset of patients with inflammatory bowel disease that does not respond to therapies. Nature Medicine, 2021, 27, 1970-1981.	15.2	117
33	Very Early Onset Inflammatory Bowel Disease: A Clinical Approach With a Focus on the Role of Genetics and Underlying Immune Deficiencies. Inflammatory Bowel Diseases, 2020, 26, 820-842.	0.9	100
34	Transcriptional profiling of macrophages derived from monocytes and iPS cells identifies a conserved response to LPS and novel alternative transcription. Scientific Reports, 2015, 5, 12524.	1.6	94
35	A Large Polysaccharide Produced by Helicobacter hepaticus Induces an Anti-inflammatory Gene Signature in Macrophages. Cell Host and Microbe, 2017, 22, 733-745.e5.	5.1	88
36	Pathogenic stromal cells as therapeutic targets in joint inflammation. Nature Reviews Rheumatology, 2018, 14, 714-726.	3.5	81

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37	Immune dysregulation in patients with PTEN hamartoma tumor syndrome: Analysis of FOXP3 regulatory TÂcells. Journal of Allergy and Clinical Immunology, 2017, 139, 607-620.e15.	1.5	77
38	T-bet is a key modulator of IL-23-driven pathogenic CD4+ T cell responses in the intestine. Nature Communications, 2016, 7, 11627.	5.8	73
39	Deconvolution of monocyte responses in inflammatory bowel disease reveals an IL-1 cytokine network that regulates IL-23 in genetic and acquired IL-10 resistance. Gut, 2021, 70, 1023-1036.	6.1	58
40	Loss of IL-10 signaling in macrophages limits bacterial killing driven by prostaglandin E2. Journal of Experimental Medicine, 2020, 217, .	4.2	51
41	Cross-tissue, single-cell stromal atlas identifies shared pathological fibroblast phenotypes in four chronic inflammatory diseases. Med, 2022, 3, 481-518.e14.	2.2	51
42	Foxp3+ T reg cells control psoriasiform inflammation by restraining an IFN-lâ€“driven CD8+ T cell response. Journal of Experimental Medicine, 2018, 215, 1987-1998.	4.2	50
43	IRF5 guides monocytes toward an inflammatory CD11c ⁺ macrophage phenotype and promotes intestinal inflammation. Science Immunology, 2020, 5, .	5.6	48
44	Alpha kinase 1 controls intestinal inflammation by suppressing the IL-12/Th1 axis. Nature Communications, 2018, 9, 3797.	5.8	47
45	Induced Pluripotent Stem Cell Derived Macrophages as a Cellular System to Study Salmonella and Other Pathogens. PLoS ONE, 2015, 10, e0124307.	1.1	45
46	Immunotherapy Not Working? Check Your Microbiota. Cancer Cell, 2015, 28, 687-689.	7.7	43
47	Th1 and Innate Lymphoid Cells Accumulate in Primary Sclerosing Cholangitis-associated Inflammatory Bowel Disease. Journal of Crohn's and Colitis, 2017, 11, 1124-1134.	0.6	43
48	Helicobacter hepaticus infection in BALB/c mice abolishes subunit-vaccine-induced protection against M. tuberculosis. Vaccine, 2015, 33, 1808-1814.	1.7	41
49	Defining the microbial transcriptional response to colitis through integrated host and microbiome profiling. ISME Journal, 2016, 10, 2389-2404.	4.4	40
50	Interleukin-22 promotes phagolysosomal fusion to induce protection against Salmonella enterica Typhimurium in human epithelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10118-10123.	3.3	33
51	RORÎ³t inhibitors suppress TH17 responses in inflammatory arthritis and inflammatory bowel disease. Journal of Allergy and Clinical Immunology, 2016, 137, 960-963.	1.5	32
52	High-throughput phenotyping reveals expansive genetic and structural underpinnings of immune variation. Nature Immunology, 2020, 21, 86-100.	7.0	32
53	Gut microbiota: sculptors of the intestinal stem cell niche in health and inflammatory bowel disease. Gut Microbes, 2021, 13, 1990827.	4.3	32
54	Induction of Inflammatory Bowel Disease in Immunodeficient Mice by Depletion of Regulatory T Cells. Current Protocols in Immunology, 1999, 30, Unit 15.13.	3.6	31

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55	Microbiota RORgulates intestinal suppressor T cells. Science, 2015, 349, 929-930.	6.0	31
56	Accurate identification and quantification of commensal microbiota bound by host immunoglobulins. Microbiome, 2021, 9, 33.	4.9	29
57	IL-33 promotes anemia during chronic inflammation by inhibiting differentiation of erythroid progenitors. Journal of Experimental Medicine, 2020, 217, .	4.2	23
58	Consequences of Identifying XIAP Deficiency in an Adult Patient With Inflammatory Bowel Disease. Gastroenterology, 2018, 155, 231-234.	0.6	22
59	The Interleukin 22 Pathway Interacts with Mutant KRAS to Promote Poor Prognosis in Colon Cancer. Clinical Cancer Research, 2020, 26, 4313-4325.	3.2	22
60	Helicobacter hepaticus polysaccharide induces an anti-inflammatory response in intestinal macrophages. Microbial Cell, 2018, 5, 208-211.	1.4	21
61	Control of immune pathology by IL-10-secreting regulatory T cells. Seminars in Immunopathology, 1999, 21, 287-294.	4.0	19
62	Overexpression of Cancer-Associated Stem Cell Gene OLFM4 in the Colonic Epithelium of Patients With Primary Sclerosing Cholangitis. Inflammatory Bowel Diseases, 2021, 27, 1316-1327.	0.9	13
63	Gut reactions: immune pathways in the intestine in health and disease. EMBO Molecular Medicine, 2012, 4, 71-74.	3.3	9
64	Genetic and environmental factors shape the host response to Helicobacter hepaticus: insights into IBD pathogenesis. Current Opinion in Microbiology, 2022, 65, 145-155.	2.3	9
65	Interrogating the recognition landscape of a conserved HIV-specific TCR reveals distinct bacterial peptide cross-reactivity. ELife, 2020, 9, .	2.8	6
66	Control of immune pathology by IL-10-secreting regulatory T cells. Seminars in Immunopathology, 1999, 21, 287-294.	4.0	4
67	Tissue-dependent transcriptional and bacterial associations in primary sclerosing cholangitis-associated inflammatory bowel disease. Wellcome Open Research, 0, 6, 199.	0.9	0