Charles O Elson

List of Publications by Year in Descending Order

89 papers	13,942 citations	48 h-index	112 g-index
112 ext. papers	15,566 ext. citations	11 avg, IF	6.12 L-index

#	Paper	IF	Citations
89	Ulcerative colitis is characterized by a plasmablast-skewed humoral response associated with disease activity.. *Nature Medicine*, **2022**,	50.5	2
88	ICOS ligand and IL-10 synergize to promote host-microbiota mutualism. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	3
87	Human Microbiota Flagellins Drive Adaptive Immune Responses in Crohn's Disease. *Gastroenterology*, **2021**, 161, 522-535.e6	13.3	8
86	CD4 T cell activation and concomitant mTOR metabolic inhibition can ablate microbiota-specific memory cells and prevent colitis. *Science Immunology*, **2020**, 5,	28	7
85	Identification of Prevotella Oralis as a possible target antigen in children with Enthesitis related arthritis. *Clinical Immunology*, **2020**, 216, 108463	9	2
84	Synchronization of mothers and offspring promotes tolerance and limits allergy. *JCI Insight*, **2020**, 5,	9.9	6
83	Challenges in IBD Research: Pragmatic Clinical Research. *Inflammatory Bowel Diseases*, **2019**, 25, S40-S47	4.5	11
82	Depletion of dietary aryl hydrocarbon receptor ligands alters microbiota composition and function. *Scientific Reports*, **2019**, 9, 14724	4.9	22
81	Decreased Fecal Bacterial Diversity and Altered Microbiome in Children Colonized With Clostridium difficile. *Journal of Pediatric Gastroenterology and Nutrition*, **2019**, 68, 502-508	2.8	8
80	Akkermansia muciniphila is permissive to arthritis in the K/BxN mouse model of arthritis. *Genes and Immunity*, **2019**, 20, 158-166	4.4	18
79	Adaptive immune education by gut microbiota antigens. *Immunology*, **2018**, 154, 28-37	7.8	109
78	Selective Induction of Homeostatic Th17 Cells in the Murine Intestine by Cholera Toxin Interacting with the Microbiota. *Journal of Immunology*, **2017**, 199, 312-322	5.3	11
77	species are potent drivers of colonic T cell responses in homeostasis and inflammation. *Science Immunology*, **2017**, 2,	28	69
76	Microbial antigen encounter during a preweaning interval is critical for tolerance to gut bacteria. *Science Immunology*, **2017**, 2,	28	88
75	CBirTox is a selective antigen-specific agonist of the Treg-IgA-microbiota homeostatic pathway. *PLoS ONE*, **2017**, 12, e0181866	3.7	6
74	Dysregulation of Systemic and Mucosal Humoral Responses to Microbial and Food Antigens as a Factor Contributing to Microbial Translocation and Chronic Inflammation in HIV-1 Infection. *PLoS Pathogens*, **2017**, 13, e1006087	7.6	14
73	Commensal A4 bacteria inhibit intestinal Th2-cell responses through induction of dendritic cell TGF- production. *European Journal of Immunology*, **2016**, 46, 1162-7	6.1	32

72	Deletion of the Toll-Like Receptor 5 Gene Per Se Does Not Determine the Gut Microbiome Profile That Induces Metabolic Syndrome: Environment Trumps Genotype. *PLoS ONE*, **2016**, 11, e0150943	3.7	13
71	TGF-converts Th1 cells into Th17 cells through stimulation of Runx1 expression. *European Journal of Immunology*, **2015**, 45, 1010-8	6.1	68
70	Immune tolerance. Group 3 innate lymphoid cells mediate intestinal selection of commensal bacteria-specific CD4+ T cells. *Science*, **2015**, 348, 1031-5	33.3	308
69	Human seroreactivity to gut microbiota antigens. *Journal of Allergy and Clinical Immunology*, **2015**, 136, 1378-86.e1-5	11.5	29
68	Microbiota activation and regulation of innate and adaptive immunity. *Immunological Reviews*, **2014** , 260, 206-20	11.3	81
67	Downregulation of microRNA-107 in intestinal CD11c(+) myeloid cells in response to microbiota and proinflammatory cytokines increases IL-23p19 expression. *European Journal of Immunology*, **2014**, 44, 673-82	6.1	44
66	Altered microbiota associated with abnormal humoral immune responses to commensal organisms in enthesitis-related arthritis. *Arthritis Research and Therapy*, **2014**, 16, 486	5.7	134
65	The Th17 pathway and inflammatory diseases of the intestines, lungs, and skin. *Annual Review of Pathology: Mechanisms of Disease*, **2013**, 8, 477-512	34	293
64	Innate lymphoid cells regulate CD4+ T-cell responses to intestinal commensal bacteria. *Nature*, **2013**, 498, 113-7	50.4	508
63	Acute gastrointestinal infection induces long-lived microbiota-specific T cell responses. *Science*, **2012**, 337, 1553-6	33.3	281
62	Host-microbiota interactions in inflammatory bowel disease. *Gut Microbes*, **2012**, 3, 332-44	8.8	73
61	Reciprocal interactions of the intestinal microbiota and immune system. *Nature*, **2012**, 489, 231-41	50.4	982
60	Regulation of Toll-like receptor 5 gene expression and function on mucosal dendritic cells. *PLoS ONE*, **2012**, 7, e35918	3.7	20
59	Biomarkers of Therapeutic Response in the IL-23 Pathway in Inflammatory Bowel Disease. *Clinical and Translational Gastroenterology*, **2012**, 3, e10	4.2	41
58	Th17 cells upregulate polymeric Ig receptor and intestinal IgA and contribute to intestinal homeostasis. *Journal of Immunology*, **2012**, 189, 4666-73	5.3	157
57	Experimental inflammatory bowel disease: insights into the host-microbiota dialog. *Immunity*, **2011**, 34, 293-302	32.3	121
56	Th17 cells induce colitis and promote Th1 cell responses through IL-17 induction of innate IL-12 and IL-23 production. *Journal of Immunology*, **2011**, 186, 6313-8	5.3	130
55	Microbiota downregulates dendritic cell expression of miR-10a, which targets IL-12/IL-23p40. *Journal of Immunology*, **2011**, 187, 5879-86	5.3	117

54	Microbiota innate stimulation is a prerequisite for T cell spontaneous proliferation and induction of experimental colitis. *Journal of Experimental Medicine*, **2010**, 207, 1321-32	16.6	174
53	Enterorhabdus caecimuris sp. nov., a member of the family Coriobacteriaceae isolated from a mouse model of spontaneous colitis, and emended description of the genus Enterorhabdus Clavel et al. 2009. *International Journal of Systematic and Evolutionary Microbiology*, **2010**, 60, 1527-1531	2.2	33
52	Generation of mucosal dendritic cells from bone marrow reveals a critical role of retinoic acid. *Journal of Immunology*, **2010**, 185, 5915-25	5.3	82
51	Microbiota: dual-faceted player in experimental colitis. *Gut Microbes*, **2010**, 1, 388-91	8.8	6
50	TGF-beta promotes Th17 cell development through inhibition of SOCS3. *Journal of Immunology*, **2009**, 183, 97-105	5.3	166
49	A dominant, coordinated T regulatory cell-IgA response to the intestinal microbiota. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 19256-61	11.5	318
48	Microbial induction of inflammatory bowel disease associated gene TL1A (TNFSF15) in antigen presenting cells. *European Journal of Immunology*, **2009**, 39, 3239-50	6.1	70
47	Curcumin induces the tolerogenic dendritic cell that promotes differentiation of intestine-protective regulatory T cells. *European Journal of Immunology*, **2009**, 39, 3134-46	6.1	65
46	Late developmental plasticity in the T helper 17 lineage. *Immunity*, **2009**, 30, 92-107	32.3	807
45	Immunologic disease of the gastrointestinal tract **2008**, 1099-1114		1
44	Enhanced CBir1-specific innate and adaptive immune responses in Crohn's disease. *Inflammatory Bowel Diseases*, **2008**, 14, 1641-51	4.5	30
43	Monoclonal anti-interleukin 23 reverses active colitis in a T cell-mediated model in mice. *Gastroenterology*, **2007**, 132, 2359-70	13.3	371
42	Anti-flagellin (CBir1) phenotypic and genetic Crohn's disease associations. *Inflammatory Bowel Diseases*, **2007**, 13, 524-30	4.5	84
41	Isolation of flagellated bacteria implicated in Crohn's disease. *Inflammatory Bowel Diseases*, **2007**, 13, 1191-201	4.5	87
40	A novel role for defensins in intestinal homeostasis: regulation of IL-1beta secretion. *Journal of Immunology*, **2007**, 179, 1245-53	5.3	96
39	Perspectives on mucosal vaccines: is mucosal tolerance a barrier?. *Journal of Immunology*, **2007**, 179, 5633-8	5.3	120
38	Tight mucosal compartmentation of the murine immune response to antigens of the enteric microbiota. *Gastroenterology*, **2006**, 130, 2050-9	13.3	71
37	Serum immune responses predict rapid disease progression among children with Crohn's disease: immune responses predict disease progression. *American Journal of Gastroenterology*, **2006**, 101, 360-7	0.7	238

36	Animal Models of Experimental IBD. *Inflammatory Bowel Diseases*, **2006**, 12, S5	4.5	2
35	Transforming growth factor-beta induces development of the T(H)17 lineage. *Nature*, **2006**, 441, 231-4	50.4	2728
34	Molecular approaches to the role of the microbiota in inflammatory bowel disease. *Annals of the New York Academy of Sciences*, **2006**, 1072, 39-51	6.5	15
33	Alterations of T lymphocytes in inflammatory bowel diseases. *Advances in Experimental Medicine and Biology*, **2006**, 579, 133-48	3.6	
32	Immune response versus mucosal tolerance to mucosally administered antigens. *Vaccine*, **2005**, 23, 1800-3	4.1	37
31	Antibodies to CBir1 flagellin define a unique response that is associated independently with complicated Crohn's disease. *Gastroenterology*, **2005**, 128, 2020-8	13.3	382
30	Cdcs1, a major colitogenic locus in mice, regulates innate and adaptive immune response to enteric bacterial antigens. *Gastroenterology*, **2005**, 129, 1473-84	13.3	64
29	Experimental models of inflammatory bowel disease reveal innate, adaptive, and regulatory mechanisms of host dialogue with the microbiota. *Immunological Reviews*, **2005**, 206, 260-76	11.3	404
28	Animal models of intestinal inflammation: ineffective communication between coalition members. *Seminars in Immunopathology*, **2005**, 27, 233-47		22
27	Generation of antigen-specific, Foxp3-expressing CD4+ regulatory T cells by inhibition of APC proteosome function. *Journal of Immunology*, **2005**, 174, 2787-95	5.3	40
26	Anti-interleukin-12 antibody for active Crohn's disease. *New England Journal of Medicine*, **2004**, 351, 2069-79	39.2	711
25	Gene disruption and immunity in experimental colitis. *Inflammatory Bowel Diseases*, **2004**, 10 Suppl 1, S25-8	4.5	6
24	Oral tolerance in humans: failure to suppress an existing immune response by oral antigen administration. *Annals of the New York Academy of Sciences*, **2004**, 1029, 299-309	6.5	14
23	New developments in experimental models of inflammatory bowel disease. *Current Opinion in Gastroenterology*, **2004**, 20, 360-7	3	16
22	Bacterial flagellin is a dominant antigen in Crohn disease. *Journal of Clinical Investigation*, **2004**, 113, 1296-1306	15.9	555
21	Bacterial flagellin is a dominant antigen in Crohn disease. *Journal of Clinical Investigation*, **2004**, 113, 1296-306	15.9	290
20	Challenges in IBD Research: updating the scientific agendas. *Inflammatory Bowel Diseases*, **2003**, 9, 137-53	4.5	15
19	Experimental mouse models of inflammatory bowel disease: new insights into pathogenic mechanisms **2003**, 67-99		2

18	Understanding immune-microbial homeostasis in intestine. *Immunologic Research*, **2002**, 26, 87-94	4.3	33
17	Bacterial-reactive T regulatory cells inhibit pathogenic immune responses to the enteric flora. *Journal of Immunology*, **2002**, 169, 6112-9	5.3	177
16	T helper 1 and T helper 2 cells are pathogenic in an antigen-specific model of colitis. *Journal of Experimental Medicine*, **2002**, 195, 71-84	16.6	125
15	Effects of cholera toxin on macrophage production of co-stimulatory cytokines. *European Journal of Immunology*, **2001**, 31, 64-71	6.1	56
14	Heritable Susceptibility for Colitis in Mice Induced by IL-10 Deficiency. *Inflammatory Bowel Diseases*, **2000**, 6, 290-302	4.5	54
13	Heritable susceptibility for colitis in mice induced by IL-10 deficiency. *Inflammatory Bowel Diseases*, **2000**, 6, 290-302	4.5	61
12	Colitis induced by enteric bacterial antigen-specific CD4+ T cells requires CD40-CD40 ligand interactions for a sustained increase in mucosal IL-12. *Journal of Immunology*, **2000**, 165, 2173-82	5.3	78
11	The C3H/HeJBir mouse model: a high susceptibility phenotype for colitis. *International Reviews of Immunology*, **2000**, 19, 63-75	4.6	27
10	Genetic analysis of susceptibility to dextran sulfate sodium-induced colitis in mice. *Genomics*, **1999**, 55, 147-56	4.3	88
9	CD4+ T cells reactive to enteric bacterial antigens in spontaneously colitic C3H/HeJBir mice: increased T helper cell type 1 response and ability to transfer disease. *Journal of Experimental Medicine*, **1998**, 187, 855-64	16.6	323
8	Differential susceptibility of inbred mouse strains to dextran sulfate sodium-induced colitis. *American Journal of Physiology - Renal Physiology*, **1998**, 274, G544-51	5.1	186
7	Advances in mucosal immunity. *Drugs*, **1997**, 54 Suppl 1, 13-4	12.1	3
6	Single-cell analyses of CD4+ T cells from alpha beta T cell receptor-transgenic mice: a distinct mucosal cytokine phenotype in the absence of transgene-specific antigen. *European Journal of Immunology*, **1997**, 27, 1774-81	6.1	23
5	Strong mucosal adjuvanticity of cholera toxin within lipid particles of a new multiple emulsion delivery system for oral immunization. *European Journal of Immunology*, **1997**, 27, 2720-5	6.1	18
4	Identification of an immunodominant T cell epitope on cholera toxin. *European Journal of Immunology*, **1996**, 26, 2587-94	6.1	23
3	Spontaneous, heritable colitis in a new substrain of C3H/HeJ mice. *Gastroenterology*, **1994**, 107, 1726-35	13.3	168
2	Dextran sulfate sodium-induced colitis occurs in severe combined immunodeficient mice. *Gastroenterology*, **1994**, 107, 1643-52	13.3	555
1	Moms, babies, and bugs in immune development. *F1000Research*,6, 2141	3.6	