Charles O Elson

List of Publications by Year
in descending order

93 papers	16,811 citations	38742 50 h-index	49909 87 g-index
112 all docs	112 docs citations	112 times ranked	18701 citing authors

#	Article	IF	Citations
1	Adherent invasive<i>Escherichia coli</i>in Crohnâ€™s disease: guilt by association?. Gut, 2023, 72, 2-3.	12.1	0
2	Ulcerative colitis is characterized by a plasmablast-skewed humoral response associated with disease activity. Nature Medicine, 2022, 28, 766-779.	30.7	70
3	ICOS ligand and IL-10 synergize to promote hostâ€“microbiota mutualism. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	9
4	Human Microbiota Flagellins Drive Adaptive Immune Responses in Crohnâ€™s Disease. Gastroenterology, 2021, 161, 522-535.e6.	1.3	40
5	CD4 ⁺ T cell activation and concomitant mTOR metabolic inhibition can ablate microbiota-specific memory cells and prevent colitis. Science Immunology, 2020, 5, .	11.9	31
6	Identification of Prevotella Oralis as a possible target antigen in children with Enthesitis related arthritis. Clinical Immunology, 2020, 216, 108463.	3.2	3
7	Synchronization of mothers and offspring promotes tolerance and limits allergy. JCI Insight, 2020, 5, .	5.0	25
8	Depletion of dietary aryl hydrocarbon receptor ligands alters microbiota composition and function. Scientific Reports, 2019, 9, 14724.	3.3	37
9	Challenges in IBD Research: Pragmatic Clinical Research. Inflammatory Bowel Diseases, 2019, 25, S40-S47.	1.9	19
10	Decreased Fecal Bacterial Diversity and Altered Microbiome in Children Colonized With <i>Clostridium difficile</i>. Journal of Pediatric Gastroenterology and Nutrition, 2019, 68, 502-508.	1.8	12
11	Akkermansia muciniphila is permissive to arthritis in the K/BxN mouse model of arthritis. Genes and Immunity, 2019, 20, 158-166.	4.1	24
12	Adaptive immune education by gut microbiota antigens. Immunology, 2018, 154, 28-37.	4.4	203
13	Selective Induction of Homeostatic Th17 Cells in the Murine Intestine by Cholera Toxin Interacting with the Microbiota. Journal of Immunology, 2017, 199, 312-322.	0.8	18
14	<i>Helicobacter</i> species are potent drivers of colonic T cell responses in homeostasis and inflammation. Science Immunology, 2017, 2, .	11.9	100
15	Microbial antigen encounter during a preweaning interval is critical for tolerance to gut bacteria. Science Immunology, 2017, 2, .	11.9	167
16	CBirTox is a selective antigen-specific agonist of the Treg-IgA-microbiota homeostatic pathway. PLoS ONE, 2017, 12, e0181866.	2.5	10
17	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.	4.7	19
18	Elucidating the Role of the Interleukin-10 Receptor in Mucosal Inflammation Uncovers a Potential Treatment for Infantile Inflammatory Bowel Disease. Gastroenterology, 2016, 151, 1061-1062.	1.3	0

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19	Commensal A4 bacteria inhibit intestinal Th2â€cell responses through induction of dendritic cell TGFâ€Î² production. European Journal of Immunology, 2016, 46, 1162-1167.	2.9	38
20	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.	2.5	20
21	Human seroreactivity to gut microbiota antigens. Journal of Allergy and Clinical Immunology, 2015, 136, 1378-1386.e5.	2.9	48
22	TGF-Î² converts Th1 cells into Th17 cells through stimulation of Runx1 expression. European Journal of Immunology, 2015, 45, 1010-1018.	2.9	84
23	Group 3 innate lymphoid cells mediate intestinal selection of commensal bacteriaâ€“specific CD4 ⁺ T cells. Science, 2015, 348, 1031-1035.	12.6	421
24	Downregulation of micro<scp>RNA</scp>â€107 in intestinal <scp>CD</scp>11c⁺ myeloid cells in response to microbiota and proinflammatory cytokines increases <scp>IL</scp>â€23p19 expression. European Journal of Immunology, 2014, 44, 673-682.	2.9	52
25	Altered microbiota associated with abnormal humoral immune responses to commensal organisms in enthesitis-related arthritis. Arthritis Research and Therapy, 2014, 16, 486.	3.5	176
26	Microbiota activation and regulation of innate and adaptive immunity. Immunological Reviews, 2014, 260, 206-220.	6.0	126
27	The Th17 Pathway and Inflammatory Diseases of the Intestines, Lungs, and Skin. Annual Review of Pathology: Mechanisms of Disease, 2013, 8, 477-512.	22.4	384
28	Innate lymphoid cells regulate CD4+ T-cell responses to intestinal commensal bacteria. Nature, 2013, 498, 113-117.	27.8	639
29	Biomarkers of Therapeutic Response in the IL-23 Pathway in Inflammatory Bowel Disease. Clinical and Translational Gastroenterology, 2012, 3, e10.	2.5	47
30	Th17 Cells Upregulate Polymeric Ig Receptor and Intestinal IgA and Contribute to Intestinal Homeostasis. Journal of Immunology, 2012, 189, 4666-4673.	0.8	209
31	Acute Gastrointestinal Infection Induces Long-Lived Microbiota-Specific T Cell Responses. Science, 2012, 337, 1553-1556.	12.6	331
32	Host-microbiota interactions in inflammatory bowel disease. Gut Microbes, 2012, 3, 332-344.	9.8	100
33	Reciprocal interactions of the intestinal microbiota and immune system. Nature, 2012, 489, 231-241.	27.8	1,278
34	Regulation of Toll-like Receptor 5 Gene Expression and Function on Mucosal Dendritic Cells. PLoS ONE, 2012, 7, e35918.	2.5	24
35	Experimental Inflammatory Bowel Disease: Insights into the Host-Microbiota Dialog. Immunity, 2011, 34, 293-302.	14.3	142
36	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, 6313-6318.	0.8	157

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37	Microbiota Downregulates Dendritic Cell Expression of miR-10a, Which Targets IL-12/IL-23p40. Journal of Immunology, 2011, 187, 5879-5886.	0.8	137
38	Microbiota innate stimulation is a prerequisite for T cell spontaneous proliferation and induction of experimental colitis. Journal of Experimental Medicine, 2010, 207, 1321-1332.	8.5	200
39	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.	1.7	66
40	Generation of Mucosal Dendritic Cells from Bone Marrow Reveals a Critical Role of Retinoic Acid. Journal of Immunology, 2010, 185, 5915-5925.	0.8	93
41	Microbiota. Gut Microbes, 2010, 1, 388-391.	9.8	8
42	TGF-Î² Promotes Th17 Cell Development through Inhibition of SOCS3. Journal of Immunology, 2009, 183, 97-105.	0.8	186
43	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, 19256-19261.	7.1	377
44	Microbial induction of inflammatory bowel disease associated gene TL1A (TNFSF15) in antigen presenting cells. European Journal of Immunology, 2009, 39, 3239-3250.	2.9	76
45	Curcumin induces the tolerogenic dendritic cell that promotes differentiation of intestineâ€protective regulatory T cells. European Journal of Immunology, 2009, 39, 3134-3146.	2.9	86
46	Late Developmental Plasticity in the T Helper 17 Lineage. Immunity, 2009, 30, 92-107.	14.3	934
47	Enhanced CBir1-specific innate and adaptive immune responses in CrohnÊ¼s disease. Inflammatory Bowel Diseases, 2008, 14, 1641-1651.	1.9	38
48	Immunologic disease of the gastrointestinal tract. , 2008, , 1099-1114.		1
49	A Novel Role for Defensins in Intestinal Homeostasis: Regulation of IL-1Î² Secretion. Journal of Immunology, 2007, 179, 1245-1253.	0.8	108
50	Perspectives on Mucosal Vaccines: Is Mucosal Tolerance a Barrier?. Journal of Immunology, 2007, 179, 5633-5638.	0.8	134
51	Monoclonal Antiâ€"Interleukin 23 Reverses Active Colitis in a T Cellâ€"Mediated Model in Mice. Gastroenterology, 2007, 132, 2359-2370.	1.3	414
52	Anti-flagellin (CBir1) phenotypic and genetic CrohnÊ¼s disease associations. Inflammatory Bowel Diseases, 2007, 13, 524-530.	1.9	97
53	Isolation of flagellated bacteria implicated in CrohnÊ¼s disease. Inflammatory Bowel Diseases, 2007, 13, 1191-1201.	1.9	108
54	Tight Mucosal Compartmentation of the Murine Immune Response to Antigens of the Enteric Microbiota. Gastroenterology, 2006, 130, 2050-2059.	1.3	83

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55	From Cheese to Pharma: A Designer Probiotic for IBD. Clinical Gastroenterology and Hepatology, 2006, 4, 836-837.	4.4	7
56	Serum Immune Responses Predict Rapid Disease Progression among Children with Crohn's Disease: Immune Responses Predict Disease Progression. American Journal of Gastroenterology, 2006, 101, 360-367.	0.4	266
57	Animal Models of Experimental IBD. Inflammatory Bowel Diseases, 2006, 12, S5.	1.9	2
58	Transforming growth factor-Î² induces development of the TH17 lineage. Nature, 2006, 441, 231-234.	27.8	3,086
59	Molecular Approaches to the Role of the Microbiota in Inflammatory Bowel Disease. Annals of the New York Academy of Sciences, 2006, 1072, 39-51.	3.8	16
60	Alterations of T Lymphocytes in Inflammatory Bowel Diseases. Advances in Experimental Medicine and Biology, 2006, 579, 133-148.	1.6	0
61	Experimental models of inflammatory bowel disease reveal innate, adaptive, and regulatory mechanisms of host dialogue with the microbiota. Immunological Reviews, 2005, 206, 260-276.	6.0	449
62	Animal models of intestinal inflammation: ineffective communication between coalition members. Seminars in Immunopathology, 2005, 27, 233-247.	4.0	25
63	Generation of Antigen-Specific, Foxp3-Expressing CD4+ Regulatory T Cells by Inhibition of APC Proteosome Function. Journal of Immunology, 2005, 174, 2787-2795.	0.8	48
64	Immune response versus mucosal tolerance to mucosally administered antigens. Vaccine, 2005, 23, 1800-1803.	3.8	42
65	Antibodies to CBir1 Flagellin Define a Unique Response That Is Associated Independently With Complicated Crohnâ€™s Disease. Gastroenterology, 2005, 128, 2020-2028.	1.3	439
66	Cdcs1, a Major Colitogenic Locus in Mice, Regulates Innate and Adaptive Immune Response to Enteric Bacterial Antigens. Gastroenterology, 2005, 129, 1473-1484.	1.3	69
67	Antiâ€"Interleukin-12 Antibody for Active Crohn's Disease. New England Journal of Medicine, 2004, 351, 2069-2079.	27.0	809
68	Gene Disruption and Immunity in Experimental Colitis. Inflammatory Bowel Diseases, 2004, 10, S25-S28.	1.9	8
69	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.	3.8	16
70	New developments in experimental models of inflammatory bowel disease. Current Opinion in Gastroenterology, 2004, 20, 360-367.	2.3	18
71	Bacterial flagellin is a dominant antigen in Crohn disease. Journal of Clinical Investigation, 2004, 113, 1296-1306.	8.2	628
72	Bacterial flagellin is a dominant antigen in Crohn disease. Journal of Clinical Investigation, 2004, 113, 1296-1306.	8.2	377

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73	Challenges in IBD Research: Updating the Scientific Agendas. Inflammatory Bowel Diseases, 2003, 9, 137-153.	1.9	18
74	The dominant immune response to intestinal bacterial antigens is ignorance, rather than tolerance. Gastroenterology, 2003, 124, A60.	1.3	1
75	Experimental mouse models of inflammatory bowel disease: new insights into pathogenic mechanisms. , 2003, , 67-99.		3
76	Bacterial-Reactive T Regulatory Cells Inhibit Pathogenic Immune Responses to the Enteric Flora. Journal of Immunology, 2002, 169, 6112-6119.	0.8	195
77	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.	8.5	133
78	Understanding Immune-Microbial Homeostasis in Intestine. Immunologic Research, 2002, 26, 087-094.	2.9	37
79	Effects of cholera toxin on macrophage production of co-stimulatory cytokines. European Journal of Immunology, 2001, 31, 64-71.	2.9	61
80	Heritable Susceptibility for Colitis in Mice Induced by IL-10 Deficiency. Inflammatory Bowel Diseases, 2000, 6, 290-302.	1.9	57
81	Heritable susceptibility for colitis in mice induced by IL-10 deficiency. Inflammatory Bowel Diseases, 2000, 6, 290-302.	1.9	67
82	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, 2173-2182.	0.8	87
83	The C3H/HeJBir Mouse Model: A High Susceptibility Phenotype for Colitis. International Reviews of Immunology, 2000, 19, 63-75.	3.3	29
84	Genetic Analysis of Susceptibility to Dextran Sulfate Sodium-Induced Colitis in Mice. Genomics, 1999, 55, 147-156.	2.9	94
85	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, 855-864.	8.5	365
86	Differential susceptibility of inbred mouse strains to dextran sulfate sodium-induced colitis. American Journal of Physiology - Renal Physiology, 1998, 274, G544-G551.	3.4	249
87	Advances in Mucosal Immunity. Drugs, 1997, 54, 13-14.	10.9	4
88	Single-cell analyses of CD4+ T cells from Î±Î² T cell receptor-transgenic mice: a distinct mucosal cytokine phenotype in the absence of transgene-specific antigen. European Journal of Immunology, 1997, 27, 1774-1781.	2.9	25
89	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, 2720-2725.	2.9	20
90	Identification of an immunodominant T cell epitope on cholera toxin. European Journal of Immunology, 1996, 26, 2587-2594.	2.9	30

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91	Spontaneous, heritable colitis in a new substrain of C3H/HeJ mice. Gastroenterology, 1994, 107, 1726-1735.	1.3	187
92	Dextran sulfate sodium-induced colitis occurs in severe combined immunodeficient mice. Gastroenterology, 1994, 107, 1643-1652.	1.3	635
93	Moms, babies, and bugs in immune development. F1000Research, 0, 6, 2141.	1.6	0