

# R Balfour Sartor

## List of Publications by Year in descending order

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77  
papers

8,947  
citations

81900

39  
h-index

76900

74  
g-index

79  
all docs

79  
docs citations

79  
times ranked

11883  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial Influences in Inflammatory Bowel Diseases. <i>Gastroenterology</i> , 2008, 134, 577-594.	1.3	1,683
2	Mechanisms of Disease: pathogenesis of Crohn's disease and ulcerative colitis. <i>Nature Reviews Gastroenterology &amp; Hepatology</i> , 2006, 3, 390-407.	1.7	1,454
3	Therapeutic manipulation of the enteric microflora in inflammatory bowel diseases: antibiotics, probiotics, and prebiotics. <i>Gastroenterology</i> , 2004, 126, 1620-1633.	1.3	952
4	Roles for Intestinal Bacteria, Viruses, and Fungi in Pathogenesis of Inflammatory Bowel Diseases and Therapeutic Approaches. <i>Gastroenterology</i> , 2017, 152, 327-339.e4.	1.3	615
5	Multi-omics analyses of radiation survivors identify radioprotective microbes and metabolites. <i>Science</i> , 2020, 370, .	12.6	260
6	NLRP12 attenuates colon inflammation by maintaining colonic microbial diversity and promoting protective commensal bacterial growth. <i>Nature Immunology</i> , 2017, 18, 541-551.	14.5	225
7	Inhibition of NF $\kappa$ B in activated rat hepatic stellate cells by proteasome inhibitors and an I $\kappa$ B super-repressor. <i>Hepatology</i> , 1998, 27, 1285-1295.	7.3	170
8	Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , 2021, 27, 1885-1892.	30.7	170
9	The Inhibitory Innate Immune Sensor NLRP12 Maintains a Threshold against Obesity by Regulating Gut Microbiota Homeostasis. <i>Cell Host and Microbe</i> , 2018, 24, 364-378.e6.	11.0	158
10	The Antipsychotic Olanzapine Interacts with the Gut Microbiome to Cause Weight Gain in Mouse. <i>PLoS ONE</i> , 2014, 9, e115225.	2.5	147
11	Inflammation-associated Adherent-invasive <i>Escherichia coli</i> Are Enriched in Pathways for Use of Propanediol and Iron and M-cell Translocation. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 1919-1932.	1.9	135
12	Microbiota maintain colonic homeostasis by activating TLR2/MyD88/PI3K signaling in IL-10 $\alpha$ -producing regulatory B cells. <i>Journal of Clinical Investigation</i> , 2019, 129, 3702-3716.	8.2	127
13	Lymphoid-Tissue-Resident Commensal Bacteria Promote Members of the IL-10 Cytokine Family to Establish Mutualism. <i>Immunity</i> , 2016, 44, 634-646.	14.3	126
14	Induction of dsRNA-activated protein kinase links mitochondrial unfolded protein response to the pathogenesis of intestinal inflammation. <i>Gut</i> , 2012, 61, 1269-1278.	12.1	125
15	Targeted inhibition of gut bacterial $\beta$ -glucuronidase activity enhances anticancer drug efficacy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7374-7381.	7.1	121
16	Intergenerational transfer of antibiotic-perturbed microbiota enhances colitis in susceptible mice. <i>Nature Microbiology</i> , 2018, 3, 234-242.	13.3	118
17	Advances in understanding <i>Giardia</i> : determinants and mechanisms of chronic sequelae. <i>F1000prime Reports</i> , 2015, 7, 62.	5.9	104
18	Microbial-Based and Microbial-Targeted Therapies for Inflammatory Bowel Diseases. <i>Digestive Diseases and Sciences</i> , 2020, 65, 757-788.	2.3	97

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19	Enteric microflora in IBD: Pathogens or commensals?. <i>Inflammatory Bowel Diseases</i> , 1997, 3, 230-235.	1.9	96
20	Microbial host interactions in IBD: Implications for pathogenesis and therapy. <i>Current Gastroenterology Reports</i> , 2007, 9, 497-507.	2.5	96
21	Molecular classification of Crohn's disease reveals two clinically relevant subtypes. <i>Gut</i> , 2018, 67, 36-42.	12.1	89
22	Gut microbiota drive the development of neuroinflammatory response in cirrhosis in mice. <i>Hepatology</i> , 2016, 64, 1232-1248.	7.3	83
23	Rationally designed bacterial consortia to treat chronic immune-mediated colitis and restore intestinal homeostasis. <i>Nature Communications</i> , 2021, 12, 3105.	12.8	82
24	Therapeutic correction of bacterial dysbiosis discovered by molecular techniques. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16413-16414.	7.1	80
25	Targeting enteric bacteria in treatment of inflammatory bowel diseases. <i>Current Opinion in Gastroenterology</i> , 2003, 19, 358-365.	2.3	79
26	Altered Macrophage Function Contributes to Colitis in Mice Defective in the Phosphoinositide-3 Kinase Subunit p110 $\beta$ . <i>Gastroenterology</i> , 2010, 139, 1642-1653.e6.	1.3	78
27	Neuroinflammation in Murine Cirrhosis Is Dependent on the Gut Microbiome and Is Attenuated by Fecal Transplant. <i>Hepatology</i> , 2020, 71, 611-626.	7.3	76
28	Fecal and Mucosa-Associated Intestinal Microbiota in Patients with Diarrhea-Predominant Irritable Bowel Syndrome. <i>Digestive Diseases and Sciences</i> , 2018, 63, 1890-1899.	2.3	72
29	IL-10 Regulates <i>IL12b</i> Expression via Histone Deacetylation: Implications for Intestinal Macrophage Homeostasis. <i>Journal of Immunology</i> , 2012, 189, 1792-1799.	0.8	68
30	Challenges in IBD Research: Precision Medicine. <i>Inflammatory Bowel Diseases</i> , 2019, 25, S31-S39.	1.9	67
31	Inflammation-independent TL1A-mediated intestinal fibrosis is dependent on the gut microbiome. <i>Mucosal Immunology</i> , 2018, 11, 1466-1476.	6.0	64
32	Dietary Salt Exacerbates Experimental Colitis. <i>Journal of Immunology</i> , 2017, 199, 1051-1059.	0.8	61
33	Growth effects of N-acyl ethanolamines on gut bacteria reflect altered bacterial abundances in inflammatory bowel disease. <i>Nature Microbiology</i> , 2020, 5, 486-497.	13.3	59
34	Dietary Fructose Alters the Composition, Localization, and Metabolism of Gut Microbiota in Association With Worsening Colitis. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 525-550.	4.5	58
35	Bacteria in Crohn's Disease. <i>Journal of Clinical Gastroenterology</i> , 2007, 41, S37-S43.	2.2	53
36	Innate PI3K p110 $\beta$ Regulates Th1/Th17 Development and Microbiota-Dependent Colitis. <i>Journal of Immunology</i> , 2014, 192, 3958-3968.	0.8	53

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37	Specific inhibition of plasma kallikrein modulates chronic granulomatous intestinal and systemic inflammation in genetically susceptible rats. <i>FASEB Journal</i> , 1998, 12, 325-333.	0.5	48
38	A screen of Crohn's disease-associated microbial metabolites identifies ascorbate as a novel metabolic inhibitor of activated human T cells. <i>Mucosal Immunology</i> , 2019, 12, 457-467.	6.0	44
39	Surface-Associated Lipoproteins Link <i>Enterococcus faecalis</i> Virulence to Colitogenic Activity in IL-10-Deficient Mice Independent of Their Expression Levels. <i>PLoS Pathogens</i> , 2015, 11, e1004911.	4.7	42
40	Diet promotes dysbiosis and colitis in susceptible hosts. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2012, 9, 561-562.	17.8	41
41	Adherent-Invasive <i>Escherichia coli</i> Production of Cellulose Influences Iron-Induced Bacterial Aggregation, Phagocytosis, and Induction of Colitis. <i>Infection and Immunity</i> , 2015, 83, 4068-4080.	2.2	41
42	Molecular detection of bacterial contamination in gnotobiotic rodent units. <i>Gut Microbes</i> , 2013, 4, 361-370.	9.8	39
43	Enteric Microflora in IBD: Pathogens or Commensals?. <i>Inflammatory Bowel Diseases</i> , 1997, 3, 230-235.	1.9	38
44	Yersiniabactin-Producing Adherent/Invasive <i>Escherichia coli</i> Promotes Inflammation-Associated Fibrosis in Gnotobiotic <i>IL10</i> <sup>-/-</sup> Mice. <i>Infection and Immunity</i> , 2019, 87, .	2.2	38
45	Resident Bacteria-Stimulated Interleukin-10-Secreting B Cells Ameliorate T-Cell-Mediated Colitis by Inducing T-Regulatory-1 Cells That Require Interleukin-27 Signaling. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2015, 1, 295-310.	4.5	36
46	Gut microbial composition can differentially regulate bile acid synthesis in humanized mice. <i>Hepatology Communications</i> , 2017, 1, 61-70.	4.3	35
47	The Intestinal Microbiota in Inflammatory Bowel Diseases. <i>Nestle Nutrition Institute Workshop Series</i> , 2014, 79, 29-39.	0.1	33
48	Act1 is a negative regulator in T and B cells via direct inhibition of STAT3. <i>Nature Communications</i> , 2018, 9, 2745.	12.8	33
49	Guiding longitudinal sampling in IBD cohorts. <i>Gut</i> , 2018, 67, 1743-1745.	12.1	32
50	Alterations to chromatin in intestinal macrophages link <i>IL-10</i> deficiency to inappropriate inflammatory responses. <i>European Journal of Immunology</i> , 2016, 46, 1912-1925.	2.9	30
51	Characterization of candidate genes in inflammatory bowel disease-associated risk loci. <i>JCI Insight</i> , 2016, 1, e87899.	5.0	30
52	Enteric Microflora in IBD: Pathogens or Commensals?. <i>Inflammatory Bowel Diseases</i> , 1997, 3, 230-5.	1.9	28
53	Murine Adherent and Invasive <i>E. coli</i> Induces Chronic Inflammation and Immune Responses in the Small and Large Intestines of Monoassociated <i>IL-10</i> <sup>-/-</sup> Mice Independent of Long Polar Fimbriae Adhesin A. <i>Inflammatory Bowel Diseases</i> , 2019, 25, 875-885.	1.9	27
54	Microbial-Host Interactions in Inflammatory Bowel Diseases and Experimental Colitis. <i>Nestle Nutrition Workshop Series Paediatric Programme</i> , 2009, 64, 121-137.	1.5	23

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55	Strategies to Dissect Host-Microbial Immune Interactions That Determine Mucosal Homeostasis vs. Intestinal Inflammation in Gnotobiotic Mice. <i>Frontiers in Immunology</i> , 2020, 11, 214.	4.8	23
56	Environmental factors regulate Paneth cell phenotype and host susceptibility to intestinal inflammation in <i>Irgm1</i> -deficient mice. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	22
57	Predicting Risk of Postoperative Disease Recurrence in Crohn's Disease: Patients With Indolent Crohn's Disease Have Distinct Whole Transcriptome Profiles at the Time of First Surgery. <i>Inflammatory Bowel Diseases</i> , 2019, 25, 180-193.	1.9	18
58	Mucosal metabolites fuel the growth and virulence of <i>E. coli</i> linked to Crohn's disease. <i>JCI Insight</i> , 2022, 7, .	5.0	17
59	Transient activation of mucosal effector immune responses by resident intestinal bacteria in normal hosts is regulated by interleukin-10 signalling. <i>Immunology</i> , 2016, 148, 304-314.	4.4	16
60	Phosphoinositide 3-Kinase P110 $\beta$ -Signaling Is Critical for Microbiota-Activated IL-10 Production by B Cells that Regulate Intestinal Inflammation. <i>Cells</i> , 2019, 8, 1121.	4.1	15
61	Influence of Crohn's disease related polymorphisms in innate immune function on ileal microbiome. <i>PLoS ONE</i> , 2019, 14, e0213108.	2.5	13
62	Innate immunity in the pathogenesis and therapy of IBD. <i>Journal of Gastroenterology</i> , 2003, 38 Suppl 15, 43-7.	5.1	12
63	Small Heat-Shock Proteins, IbpAB, Protect Non-Pathogenic <i>Escherichia coli</i> from Killing by Macrophage-Derived Reactive Oxygen Species. <i>PLoS ONE</i> , 2015, 10, e0120249.	2.5	11
64	Low endogenous prostaglandin E2 predisposes to relapsing inflammation in experimental rat enterocolitis. <i>Digestive Diseases and Sciences</i> , 2000, 45, 2091-2099.	2.3	10
65	RNF20 and RNF40 regulate vitamin D receptor-dependent signaling in inflammatory bowel disease. <i>Cell Death and Differentiation</i> , 2021, 28, 3161-3175.	11.2	10
66	Environmental Factors Modify the Severity of Acute DSS Colitis in Caspase-11-Deficient Mice. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 2394-2403.	1.9	9
67	Crohn's Disease Differentially Affects Region-Specific Composition and Aerotolerance Profiles of Mucosally Adherent Bacteria. <i>Inflammatory Bowel Diseases</i> , 2020, 26, 1843-1855.	1.9	9
68	Intestinal bacterial biofilms modulate mucosal immune responses. , 2018, 2, 13-18.		5
69	Clinical applications of advances in the genetics of IBD. <i>Reviews in Gastroenterological Disorders</i> , 2003, 3 Suppl 1, S9-17.	0.6	4
70	BET Protein Inhibition Regulates Macrophage Chromatin Accessibility and Microbiota-Dependent Colitis. <i>Frontiers in Immunology</i> , 2022, 13, 856966.	4.8	4
71	B-Cell Commitment to IL-10 Production: The VertX II10egfp Mouse. <i>Methods in Molecular Biology</i> , 2021, 2270, 341-358.	0.9	2
72	Lessons in IBD Pathogenesis from New Animal Models of Spontaneous Colitis. <i>Canadian Journal of Gastroenterology &amp; Hepatology</i> , 1995, 9, 309-315.	1.7	1

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73	Opioid Toxicity in Inflammatory Bowel Disease Patients Likely Includes Direct Enterocyte Effects That Exacerbate Disease. <i>Clinical Gastroenterology and Hepatology</i> , 2018, 16, 1679-1680.	4.4	1
74	Targeting Adaptive Immune Responses to Human Bacterial Flagellins in Crohn's Disease. <i>Gastroenterology</i> , 2021, 161, 416-418.	1.3	1
75	Lipopolysaccharide activates innate immune responses in murine intestinal myofibroblasts. <i>FASEB Journal</i> , 2006, 20, A1465.	0.5	1
76	Infliximab Re-treatment in Inflammatory Bowel Disease: A Single-Center Routine Clinical Experience. <i>Clinical Gastroenterology and Hepatology</i> , 2015, 13, 1704-1705.	4.4	0
77	"Bugs on drugs": implications for gut health. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021, 18, 287-288.	17.8	0