

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	BET Protein Inhibition Regulates Macrophage Chromatin Accessibility and Microbiota-Dependent Colitis. <i>Frontiers in Immunology</i> , 2022, 13, 856966.	4.8	4
2	Mucosal metabolites fuel the growth and virulence of E. coli linked to Crohn's disease. <i>JCI Insight</i> , 2022, 7, .	5.0	17
3	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
4	B-Cell Commitment to IL-10 Production: The VertX Il10egfp Mouse. <i>Methods in Molecular Biology</i> , 2021, 2270, 341-358.	0.9	2
5	"Bugs on drugs": implications for gut health. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021, 18, 287-288.	17.8	0
6	Rationally designed bacterial consortia to treat chronic immune-mediated colitis and restore intestinal homeostasis. <i>Nature Communications</i> , 2021, 12, 3105.	12.8	82
7	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
8	Targeting Adaptive Immune Responses to Human Bacterial Flagellins in Crohn's Disease. <i>Gastroenterology</i> , 2021, 161, 416-418.	1.3	1
9	Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , 2021, 27, 1885-1892.	30.7	170
10	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
11	Multi-omics analyses of radiation survivors identify radioprotective microbes and metabolites. <i>Science</i> , 2020, 370, .	12.6	260
12	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
13	Targeted inhibition of gut bacterial β -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
14	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
15	Microbial-Based and Microbial-Targeted Therapies for Inflammatory Bowel Diseases. <i>Digestive Diseases and Sciences</i> , 2020, 65, 757-788.	2.3	97
16	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
17	Phosphoinositide 3-Kinase P110 β -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
18	Challenges in IBD Research: Precision Medicine. <i>Inflammatory Bowel Diseases</i> , 2019, 25, S31-S39.	1.9	67

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19	Influence of Crohn's disease related polymorphisms in innate immune function on ileal microbiome. PLoS ONE, 2019, 14, e0213108.	2.5	13
20	Yersiniabactin-Producing Adherent/Invasive Escherichia coli Promotes Inflammation-Associated Fibrosis in Gnotobiotic IL10 ^{-/-} Mice. Infection and Immunity, 2019, 87, .	2.2	38
21	Murine Adherent and Invasive E. coli Induces Chronic Inflammation and Immune Responses in the Small and Large Intestines of Monoassociated IL-10 ^{-/-} Mice Independent of Long Polar Fimbriae Adhesin A. Inflammatory Bowel Diseases, 2019, 25, 875-885.	1.9	27
22	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. Inflammatory Bowel Diseases, 2019, 25, 180-193.	1.9	18
23	A screen of Crohn's disease-associated microbial metabolites identifies ascorbate as a novel metabolic inhibitor of activated human T cells. Mucosal Immunology, 2019, 12, 457-467.	6.0	44
24	Microbiota maintain colonic homeostasis by activating TLR2/MyD88/PI3K signaling in IL-10 ^{-/-} producing regulatory B cells. Journal of Clinical Investigation, 2019, 129, 3702-3716.	8.2	127
25	Environmental factors regulate Paneth cell phenotype and host susceptibility to intestinal inflammation in Irgm1-deficient mice. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	22
26	Molecular classification of Crohn's disease reveals two clinically relevant subtypes. Gut, 2018, 67, 36-42.	12.1	89
27	Guiding longitudinal sampling in IBD cohorts. Gut, 2018, 67, 1743-1745.	12.1	32
28	Opioid Toxicity in Inflammatory Bowel Disease Patients Likely Includes Direct Enterocyte Effects That Exacerbate Disease. Clinical Gastroenterology and Hepatology, 2018, 16, 1679-1680.	4.4	1
29	Environmental Factors Modify the Severity of Acute DSS Colitis in Caspase-11-Deficient Mice. Inflammatory Bowel Diseases, 2018, 24, 2394-2403.	1.9	9
30	The Inhibitory Innate Immune Sensor NLRP12 Maintains a Threshold against Obesity by Regulating Gut Microbiota Homeostasis. Cell Host and Microbe, 2018, 24, 364-378.e6.	11.0	158
31	Fecal and Mucosa-Associated Intestinal Microbiota in Patients with Diarrhea-Predominant Irritable Bowel Syndrome. Digestive Diseases and Sciences, 2018, 63, 1890-1899.	2.3	72
32	Inflammation-independent TL1A-mediated intestinal fibrosis is dependent on the gut microbiome. Mucosal Immunology, 2018, 11, 1466-1476.	6.0	64
33	Act1 is a negative regulator in T and B cells via direct inhibition of STAT3. Nature Communications, 2018, 9, 2745.	12.8	33
34	Intergenerational transfer of antibiotic-perturbed microbiota enhances colitis in susceptible mice. Nature Microbiology, 2018, 3, 234-242.	13.3	118
35	Intestinal bacterial biofilms modulate mucosal immune responses. , 2018, 2, 13-18.		5
36	Gut microbial composition can differentially regulate bile acid synthesis in humanized mice. Hepatology Communications, 2017, 1, 61-70.	4.3	35

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37	Dietary Salt Exacerbates Experimental Colitis. <i>Journal of Immunology</i> , 2017, 199, 1051-1059.	0.8	61
38	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
39	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
40	Gut microbiota drive the development of neuroinflammatory response in cirrhosis in mice. <i>Hepatology</i> , 2016, 64, 1232-1248.	7.3	83
41	Alterations to chromatin in intestinal macrophages link IL-10 deficiency to inappropriate inflammatory responses. <i>European Journal of Immunology</i> , 2016, 46, 1912-1925.	2.9	30
42	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
43	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
44	Characterization of candidate genes in inflammatory bowel disease-associated risk loci. <i>JCI Insight</i> , 2016, 1, e87899.	5.0	30
45	Advances in understanding Giardia: determinants and mechanisms of chronic sequelae. <i>F1000prime Reports</i> , 2015, 7, 62.	5.9	104
46	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
47	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
48	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
49	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
50	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
51	The Antipsychotic Olanzapine Interacts with the Gut Microbiome to Cause Weight Gain in Mouse. <i>PLoS ONE</i> , 2014, 9, e115225.	2.5	147
52	The Intestinal Microbiota in Inflammatory Bowel Diseases. <i>Nestle Nutrition Institute Workshop Series</i> , 2014, 79, 29-39.	0.1	33
53	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
54	Innate PI3K p110 β Regulates Th1/Th17 Development and Microbiota-Dependent Colitis. <i>Journal of Immunology</i> , 2014, 192, 3958-3968.	0.8	53

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55	Molecular detection of bacterial contamination in gnotobiotic rodent units. <i>Gut Microbes</i> , 2013, 4, 361-370.	9.8	39
56	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
57	Diet promotes dysbiosis and colitis in susceptible hosts. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2012, 9, 561-562.	17.8	41
58	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
59	Altered Macrophage Function Contributes to Colitis in Mice Defective in the Phosphoinositide-3 Kinase Subunit <i>p110β</i> . <i>Gastroenterology</i> , 2010, 139, 1642-1653.e6.	1.3	78
60	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
61	Microbial Influences in Inflammatory Bowel Diseases. <i>Gastroenterology</i> , 2008, 134, 577-594.	1.3	1,683
62	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
63	Bacteria in Crohn's Disease. <i>Journal of Clinical Gastroenterology</i> , 2007, 41, S37-S43.	2.2	53
64	Microbial host interactions in IBD: Implications for pathogenesis and therapy. <i>Current Gastroenterology Reports</i> , 2007, 9, 497-507.	2.5	96
65	Mechanisms of Disease: pathogenesis of Crohn's disease and ulcerative colitis. <i>Nature Reviews Gastroenterology & Hepatology</i> , 2006, 3, 390-407.	1.7	1,454
66	Lipopolysaccharide activates innate immune responses in murine intestinal myofibroblasts. <i>FASEB Journal</i> , 2006, 20, A1465.	0.5	1
67	Therapeutic manipulation of the enteric microflora in inflammatory bowel diseases: antibiotics, probiotics, and prebiotics. <i>Gastroenterology</i> , 2004, 126, 1620-1633.	1.3	952
68	Targeting enteric bacteria in treatment of inflammatory bowel diseases. <i>Current Opinion in Gastroenterology</i> , 2003, 19, 358-365.	2.3	79
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	Innate immunity in the pathogenesis and therapy of IBD. <i>Journal of Gastroenterology</i> , 2003, 38 Suppl 15, 43-7.	5.1	12
71	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
72	Inhibition of NF κ B in activated rat hepatic stellate cells by proteasome inhibitors and an I κ B super-repressor. <i>Hepatology</i> , 1998, 27, 1285-1295.	7.3	170

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73	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
74	Enteric Microflora in IBD: Pathogens or Commensals?. <i>Inflammatory Bowel Diseases</i> , 1997, 3, 230-235.	1.9	38
75	Enteric microflora in IBD: Pathogens or commensals?. <i>Inflammatory Bowel Diseases</i> , 1997, 3, 230-235.	1.9	96
76	Enteric Microflora in IBD: Pathogens or Commensals?. <i>Inflammatory Bowel Diseases</i> , 1997, 3, 230-5.	1.9	28
77	Lessons in IBD Pathogenesis from New Animal Models of Spontaneous Colitis. <i>Canadian Journal of Gastroenterology & Hepatology</i> , 1995, 9, 309-315.	1.7	1