

Till Strowig

List of Publications by Year in descending order

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Version: 2024-02-01

112
papers

17,650
citations

26567

56
h-index

26548

107
g-index

121
all docs

121
docs citations

121
times ranked

27852
citing authors

#	ARTICLE	IF	CITATIONS
1	Inflammasome-mediated dysbiosis regulates progression of NAFLD and obesity. <i>Nature</i> , 2012, 482, 179-185.	13.7	2,026
2	Inflammasomes in health and disease. <i>Nature</i> , 2012, 481, 278-286.	13.7	1,921
3	NLRP6 Inflammasome Regulates Colonic Microbial Ecology and Risk for Colitis. <i>Cell</i> , 2011, 145, 745-757.	13.5	1,716
4	Development and function of human innate immune cells in a humanized mouse model. <i>Nature Biotechnology</i> , 2014, 32, 364-372.	9.4	629
5	Distinct roles of IL-12 and IL-15 in human natural killer cell activation by dendritic cells from secondary lymphoid organs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16606-16611.	3.3	508
6	Sequence and cultivation study of Muribaculaceae reveals novel species, host preference, and functional potential of this yet undescribed family. <i>Microbiome</i> , 2019, 7, 28.	4.9	481
7	Broad CTL response is required to clear latent HIV-1 due to dominance of escape mutations. <i>Nature</i> , 2015, 517, 381-385.	13.7	469
8	Matrix Protein 2 of Influenza A Virus Blocks Autophagosome Fusion with Lysosomes. <i>Cell Host and Microbe</i> , 2009, 6, 367-380.	5.1	454
9	CD56 ^{bright} CD16 ^{hi} Killer Ig-Like Receptor ^{hi} NK Cells Display Longer Telomeres and Acquire Features of CD56 ^{dim} NK Cells upon Activation. <i>Journal of Immunology</i> , 2007, 178, 4947-4955.	0.4	430
10	Short-chain fatty acids regulate systemic bone mass and protect from pathological bone loss. <i>Nature Communications</i> , 2018, 9, 55.	5.8	393
11	Inflammation-induced tumorigenesis in the colon is regulated by caspase-1 and NLRC4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21635-21640.	3.3	376
12	Regulation of the Antimicrobial Response by NLR Proteins. <i>Immunity</i> , 2011, 34, 665-679.	6.6	315
13	Human Hemato-Lymphoid System Mice: Current Use and Future Potential for Medicine. <i>Annual Review of Immunology</i> , 2013, 31, 635-674.	9.5	304
14	<i>Prevotella copri</i> in individuals at risk for rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 590-593.	0.5	279
15	Microbiota-induced activation of epithelial IL-6 signaling links inflammasome-driven inflammation with transmissible cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9862-9867.	3.3	277
16	The DNA-sensing AIM2 inflammasome controls radiation-induced cell death and tissue injury. <i>Science</i> , 2016, 354, 765-768.	6.0	271
17	Priming of protective T cell responses against virus-induced tumors in mice with human immune system components. <i>Journal of Experimental Medicine</i> , 2009, 206, 1423-1434.	4.2	269
18	A collection of bacterial isolates from the pig intestine reveals functional and taxonomic diversity. <i>Nature Communications</i> , 2020, 11, 6389.	5.8	269

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19	Targeting zonulin and intestinal epithelial barrier function to prevent onset of arthritis. <i>Nature Communications</i> , 2020, 11, 1995.	5.8	253
20	Caspase-11 stimulates rapid flagellin-independent pyroptosis in response to <i>Legionella pneumophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1851-1856.	3.3	242
21	Perturbation of the gut microbiome by <i>Prevotella</i> spp. enhances host susceptibility to mucosal inflammation. <i>Mucosal Immunology</i> , 2021, 14, 113-124.	2.7	216
22	Transgenic expression of human signal regulatory protein alpha in Rag2 ^{Δ³} mice improves engraftment of human hematopoietic cells in humanized mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13218-13223.	3.3	205
23	The gut microbiota promotes hepatic fatty acid desaturation and elongation in mice. <i>Nature Communications</i> , 2018, 9, 3760.	5.8	200
24	Analysis of factors contributing to variation in the C57BL/6J fecal microbiota across German animal facilities. <i>International Journal of Medical Microbiology</i> , 2016, 306, 343-355.	1.5	196
25	Elevated Epstein-Barr virus-encoded nuclear antigen-1 immune responses predict conversion to multiple sclerosis. <i>Annals of Neurology</i> , 2010, 67, 159-169.	2.8	181
26	The gut microbiota drives the impact of bile acids and fat source in diet on mouse metabolism. <i>Microbiome</i> , 2018, 6, 134.	4.9	169
27	Inflammasomes: far beyond inflammation. <i>Nature Immunology</i> , 2012, 13, 321-324.	7.0	164
28	Caspase-11 Activation in Response to Bacterial Secretion Systems that Access the Host Cytosol. <i>PLoS Pathogens</i> , 2013, 9, e1003400.	2.1	152
29	Humanized mouse model supports development, function, and tissue residency of human natural killer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9626-E9634.	3.3	138
30	c-Maf-dependent Treg cell control of intestinal TH17 cells and IgA establishes host-microbiota homeostasis. <i>Nature Immunology</i> , 2019, 20, 471-481.	7.0	138
31	Critical Assessment of Metagenome Interpretation: the second round of challenges. <i>Nature Methods</i> , 2022, 19, 429-440.	9.0	133
32	Microenvironment-dependent growth of preneoplastic and malignant plasma cells in humanized mice. <i>Nature Medicine</i> , 2016, 22, 1351-1357.	15.2	132
33	Noncytotoxic Functions of NK Cells: Direct Pathogen Restriction and Assistance to Adaptive Immunity. <i>Journal of Immunology</i> , 2008, 180, 7785-7791.	0.4	130
34	A pathogenic role for T cell-derived IL-22BP in inflammatory bowel disease. <i>Science</i> , 2016, 354, 358-362.	6.0	128
35	Intestinal dysbiosis augments liver disease progression via NLRP3 in a murine model of primary sclerosing cholangitis. <i>Gut</i> , 2019, 68, 1477-1492.	6.1	128
36	NLRP10 is a NOD-like receptor essential to initiate adaptive immunity by dendritic cells. <i>Nature</i> , 2012, 484, 510-513.	13.7	126

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37	Guanylate Binding Proteins Enable Rapid Activation of Canonical and Noncanonical Inflammasomes in Chlamydia-Infected Macrophages. <i>Infection and Immunity</i> , 2015, 83, 4740-4749.	1.0	126
38	Improving human hemato-lymphoid-system mice by cytokine knock-in gene replacement. <i>Trends in Immunology</i> , 2011, 32, 321-327.	2.9	117
39	Targeting the nuclear antigen 1 of Epstein-Barr virus to the human endocytic receptor DEC-205 stimulates protective T-cell responses. <i>Blood</i> , 2008, 112, 1231-1239.	0.6	115
40	Comparison of different transformation methods for <i>Aspergillus giganteus</i> . <i>Current Genetics</i> , 2003, 43, 371-377.	0.8	114
41	Tonsilar NK Cells Restrict B Cell Transformation by the Epstein-Barr Virus via IFN- γ . <i>PLoS Pathogens</i> , 2008, 4, e27.	2.1	113
42	Fasting alters the gut microbiome reducing blood pressure and body weight in metabolic syndrome patients. <i>Nature Communications</i> , 2021, 12, 1970.	5.8	108
43	A novel humanized mouse model with significant improvement of class-switched, antigen-specific antibody production. <i>Blood</i> , 2017, 129, 959-969.	0.6	105
44	Distinct Microbial Communities Trigger Colitis Development upon Intestinal Barrier Damage via Innate or Adaptive Immune Cells. <i>Cell Reports</i> , 2017, 21, 994-1008.	2.9	105
45	Human NK cells of mice with reconstituted human immune system components require preactivation to acquire functional competence. <i>Blood</i> , 2010, 116, 4158-4167.	0.6	102
46	Regulating T-cell differentiation through the polyamine spermidine. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 335-348.e11.	1.5	94
47	Oxidative metabolism enables <i>Salmonella</i> evasion of the NLRP3 inflammasome. <i>Journal of Experimental Medicine</i> , 2014, 211, 653-668.	4.2	92
48	Enhancement of IFN- γ Production by Distinct Commensals Ameliorates Salmonella-Induced Disease. <i>Cell Host and Microbe</i> , 2017, 21, 682-694.e5.	5.1	91
49	Associations between gut microbiota and genetic risk for rheumatoid arthritis in the absence of disease: a cross-sectional study. <i>Lancet Rheumatology</i> , The, 2020, 2, e418-e427.	2.2	91
50	NK cell survival mediated through the regulatory synapse with human DCs requires IL-15R α . <i>Journal of Clinical Investigation</i> , 2007, 117, 3316-3329.	3.9	89
51	Distinct Polysaccharide Utilization Determines Interspecies Competition between Intestinal <i>Prevotella</i> spp.. <i>Cell Host and Microbe</i> , 2020, 28, 838-852.e6.	5.1	86
52	An Integrated Metagenome Catalog Reveals New Insights into the Murine Gut Microbiome. <i>Cell Reports</i> , 2020, 30, 2909-2922.e6.	2.9	85
53	Single-cell chromatin accessibility landscape identifies tissue repair program in human regulatory T α cells. <i>Immunity</i> , 2021, 54, 702-720.e17.	6.6	78
54	Shaping of Intestinal Microbiota in <i>Nlrp6</i> - and <i>Rag2</i> -Deficient Mice Depends on Community Structure. <i>Cell Reports</i> , 2017, 21, 3914-3926.	2.9	77

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55	Neonatally imprinted stromal cell subsets induce tolerogenic dendritic cells in mesenteric lymph nodes. <i>Nature Communications</i> , 2018, 9, 3903.	5.8	69
56	Imbalanced gut microbiota fuels hepatocellular carcinoma development by shaping the hepatic inflammatory microenvironment. <i>Nature Communications</i> , 2022, 13, .	5.8	68
57	IL-17 controls central nervous system autoimmunity through the intestinal microbiome. <i>Science Immunology</i> , 2021, 6, .	5.6	67
58	Variations in microbiota composition of laboratory mice influence <i>Citrobacter rodentium</i> infection via variable short-chain fatty acid production. <i>PLoS Pathogens</i> , 2020, 16, e1008448.	2.1	66
59	Gut microbiota depletion exacerbates cholestatic liver injury via loss of FXR signalling. <i>Nature Metabolism</i> , 2021, 3, 1228-1241.	5.1	65
60	PTPN22 inhibition resets defective human central B cell tolerance. <i>Science Immunology</i> , 2016, 1, .	5.6	64
61	IQGAP1 Is Important for Activation of Caspase-1 in Macrophages and Is Targeted by <i>Yersinia pestis</i> Type III Effector YopM. <i>MBio</i> , 2014, 5, e01402-14.	1.8	62
62	Intestinal Dysbiosis Amplifies Acetaminophen-Induced Acute Liver Injury. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 909-933.	2.3	62
63	Microbiota Normalization Reveals that Canonical Caspase-1 Activation Exacerbates Chemically Induced Intestinal Inflammation. <i>Cell Reports</i> , 2017, 19, 2319-2330.	2.9	54
64	A flagellum-specific chaperone facilitates assembly of the core type III export apparatus of the bacterial flagellum. <i>PLoS Biology</i> , 2017, 15, e2002267.	2.6	54
65	<i>Klebsiella oxytoca</i> causes colonization resistance against multidrug-resistant <i>K. pneumoniae</i> in the gut via cooperative carbohydrate competition. <i>Cell Host and Microbe</i> , 2021, 29, 1663-1679.e7.	5.1	53
66	Flagellin phase-dependent swimming on epithelial cell surfaces contributes to productive <i>Salmonella</i> gut colonisation. <i>Cellular Microbiology</i> , 2017, 19, e12739.	1.1	48
67	Dendritic cell-mediated activation-induced cytidine deaminase (AID)-dependent induction of genomic instability in human myeloma. <i>Blood</i> , 2012, 119, 2302-2309.	0.6	45
68	Modulation of inflammatory responses by gastrointestinal <i>Prevotella</i> spp. - From associations to functional studies. <i>International Journal of Medical Microbiology</i> , 2021, 311, 151472.	1.5	43
69	Dietary Short-Term Fiber Interventions in Arthritis Patients Increase Systemic SCFA Levels and Regulate Inflammation. <i>Nutrients</i> , 2020, 12, 3207.	1.7	40
70	NK cells interactions with dendritic cells shape innate and adaptive immunity. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 6443.	3.0	33
71	IL22BP Mediates the Antitumor Effects of Lymphotoxin Against Colorectal Tumors in Mice and Humans. <i>Gastroenterology</i> , 2020, 159, 1417-1430.e3.	0.6	31
72	MyD88 signaling in dendritic cells and the intestinal epithelium controls immunity against intestinal infection with <i>C. rodentium</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006357.	2.1	31

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73	Chronic d-serine supplementation impairs insulin secretion. <i>Molecular Metabolism</i> , 2018, 16, 191-202.	3.0	29
74	Antibiotics and the Intestinal Microbiome: Intestinal microbiome : Individual Responses, Resilience of the Ecosystem, and the Susceptibility to Infections. <i>Current Topics in Microbiology and Immunology</i> , 2016, 398, 123-146.	0.7	27
75	Prdx4 limits caspase-1 activation and restricts inflammasome-mediated signaling by extracellular vesicles. <i>EMBO Journal</i> , 2019, 38, e101266.	3.5	27
76	Microbiota-dependent expansion of testicular IL-17-producing V β 36+ β 17 T cells upon puberty promotes local tissue immune surveillance. <i>Mucosal Immunology</i> , 2021, 14, 242-252.	2.7	27
77	Successful Fecal Microbiota Transplantation in a Patient with Severe Complicated Clostridium difficile Infection after Liver Transplantation. <i>Case Reports in Gastroenterology</i> , 2018, 12, 76-84.	0.3	24
78	Loss of CNFY toxin-induced inflammation drives Yersinia pseudotuberculosis into persistency. <i>PLoS Pathogens</i> , 2018, 14, e1006858.	2.1	23
79	The stem cell-specific long noncoding RNA HOXA10-AS in the pathogenesis of KMT2A-rearranged leukemia. <i>Blood Advances</i> , 2019, 3, 4252-4263.	2.5	22
80	NLRP6 and Dysbiosis: Avoiding the Luring Attraction of Over-Simplification. <i>Immunity</i> , 2018, 48, 603-604.	6.6	20
81	Combined liver cytokine humanization comes to the rescue of circulating human red blood cells. <i>Science</i> , 2021, 371, 1019-1025.	6.0	20
82	Microbiota Keep the Intestinal Clock Ticking. <i>Cell</i> , 2013, 153, 741-743.	13.5	19
83	Caecal Microbiota of Experimentally Campylobacter jejuni-Infected Chickens at Different Ages. <i>Frontiers in Microbiology</i> , 2019, 10, 2303.	1.5	19
84	A versatile genetic toolbox for <i>Prevotella copri</i> enables studying polysaccharide utilization systems. <i>EMBO Journal</i> , 2021, 40, e108287.	3.5	18
85	The microbiota is dispensable for the early stages of peripheral regulatory T cell induction within mesenteric lymph nodes. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1211-1221.	4.8	17
86	Colitis Promotes a Pathological Condition of the Liver in the Absence of Foxp3+ Regulatory T Cells. <i>Journal of Immunology</i> , 2018, 201, 3558-3568.	0.4	16
87	The Role of Ames Dwarfism and Calorie Restriction on Gut Microbiota. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, e1-e8.	1.7	16
88	Antiviral immune response in patients with multiple sclerosis and healthy siblings. <i>Multiple Sclerosis Journal</i> , 2010, 16, 355-358.	1.4	15
89	Cyclic dinucleotides modulate induced type I IFN responses in innate immune cells by degradation of STING. <i>FASEB Journal</i> , 2017, 31, 3107-3115.	0.2	15
90	Intestinal Microbiota of Fattening Pigs Offered Non-Fermented and Fermented Liquid Feed with and without the Supplementation of Non-Fermented Coarse Cereals. <i>Microorganisms</i> , 2020, 8, 638.	1.6	15

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91	Performance, Fermentation Characteristics and Composition of the Microbiome in the Digest of Piglets Kept on a Feed With Humic Acid-Rich Peat. <i>Frontiers in Veterinary Science</i> , 2019, 6, 29.	0.9	12
92	c-FLIP is crucial for IL-7/IL-15-dependent NKp46+ ILC development and protection from intestinal inflammation in mice. <i>Nature Communications</i> , 2020, 11, 1056.	5.8	12
93	Response to: "Non-causal association of gut microbiome on the risk of rheumatoid arthritis: a Mendelian randomisation study" by Inamo. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, e104-e104.	0.5	10
94	Cognate recognition of microbial antigens defines constricted CD4+ T α cell receptor repertoires in the inflamed colon. <i>Immunity</i> , 2021, 54, 2565-2577.e6.	6.6	8
95	Induction of IL-22-Producing CD4+ T Cells by Segmented Filamentous Bacteria Independent of Classical Th17 Cells. <i>Frontiers in Immunology</i> , 2021, 12, 671331.	2.2	7
96	Upregulation of antimicrobial peptide expression in slc26a3 ^{-/-} mice with colonic dysbiosis and barrier defect. <i>Gut Microbes</i> , 2022, 14, 2041943.	4.3	7
97	Faecal Microbiota of Dogs Offered a Vegetarian Diet with or without the Supplementation of Feather Meal and either Cornmeal, Rye or Fermented Rye: A Preliminary Study. <i>Microorganisms</i> , 2020, 8, 1363.	1.6	6
98	Epithelium-specific MyD88 signaling, but not DCs or macrophages, control acute intestinal infection with <i>Clostridium difficile</i> . <i>European Journal of Immunology</i> , 2019, 49, 747-757.	1.6	5
99	Microbiota Alters Urinary Bladder Weight and Gene Expression. <i>Microorganisms</i> , 2020, 8, 421.	1.6	5
100	Comparison of Chicken Cecal Microbiota after Metaphylactic Treatment or Following Administration of Feed Additives in a Broiler Farm with Enterococcal Spondylitis History. <i>Pathogens</i> , 2021, 10, 1068.	1.2	5
101	Curbing gastrointestinal infections by defensin fragment modifications without harming commensal microbiota. <i>Communications Biology</i> , 2021, 4, 47.	2.0	4
102	Exogenous and Endogenous Triggers Differentially Stimulate P α r Expression and Antibacterial Secretory Immunity in the Murine Respiratory Tract. <i>Lung</i> , 2022, 200, 119-128.	1.4	4
103	Feeding a <i>Saccharomyces cerevisiae</i> Fermentation Product (Olimond BB) Does Not Alter the Fecal Microbiota of Thoroughbred Racehorses. <i>Animals</i> , 2022, 12, 1496.	1.0	4
104	Microbiome and Gut Immunity: Innate Immune Cells. , 2018, , 103-118.		3
105	Humanized mouse models of infectious diseases. <i>Drug Discovery Today: Disease Models</i> , 2012, 9, e11-e16.	1.2	2
106	Niche-Dependent Growth of Malignant and Pre-Neoplastic Plasma Cells in Humanized Mice. <i>Blood</i> , 2015, 126, 120-120.	0.6	1
107	Inflammasomes in Inflammatory Bowel Disease. , 2012, , 111-118.		0
108	Title is missing!. , 2020, 16, e1008448.		0

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109	Title is missing!. , 2020, 16, e1008448.		0
110	Title is missing!. , 2020, 16, e1008448.		0
111	Title is missing!.. , 2020, 16, e1008448.		0
112	Altered nasal microbiota in asthmatic patients is not related to changes in secretory immunity in the nasopharynx. Clinical and Experimental Allergy, 2022, 52, 1213-1218.	1.4	0