Siegfried Hapfelmeier

List of Publications by Year
in descending order

45 papers	8,443 citations	147566 31 h-index	223531 46 g-index
52 all docs	52 docs citations	52 times ranked	12195 citing authors

#	Article	IF	Citations
1	The maternal microbiota drives early postnatal innate immune development. Science, 2016, 351, 1296-1302.	6.0	871
2	Pretreatment of Mice with Streptomycin Provides a Salmonella enterica Serovar Typhimurium Colitis Model That Allows Analysis of Both Pathogen and Host. Infection and Immunity, 2003, 71, 2839-2858.	1.0	864
3	Intestinal Bacterial Colonization Induces Mutualistic Regulatory T Cell Responses. Immunity, 2011, 34, 794-806.	6.6	749
4	Reversible Microbial Colonization of Germ-Free Mice Reveals the Dynamics of IgA Immune Responses. Science, 2010, 328, 1705-1709.	6.0	657
5	Gut Microbiota Orchestrates Energy Homeostasis during Cold. Cell, 2015, 163, 1360-1374.	13.5	581
6	Innate and Adaptive Immunity Cooperate Flexibly to Maintain Host-Microbiota Mutualism. Science, 2009, 325, 617-620.	6.0	443
7	Like Will to Like: Abundances of Closely Related Species Can Predict Susceptibility to Intestinal Colonization by Pathogenic and Commensal Bacteria. PLoS Pathogens, 2010, 6, e1000711.	2.1	367
8	The Liver May Act as a Firewall Mediating Mutualism Between the Host and Its Gut Commensal Microbiota. Science Translational Medicine, 2014, 6, 237ra66.	5.8	365
9	The Salmonella Pathogenicity Island (SPI)-2 and SPI-1 Type III Secretion Systems Allow Salmonella Serovar typhimurium to Trigger Colitis via MyD88-Dependent and MyD88-Independent Mechanisms. Journal of Immunology, 2005, 174, 1675-1685.	0.4	344
10	Microbiota depletion promotes browning of white adipose tissue and reduces obesity. Nature Medicine, 2015, 21, 1497-1501.	15.2	324
11	Flagella and Chemotaxis Are Required for Efficient Induction of Salmonella enterica Serovar Typhimurium Colitis in Streptomycin-Pretreated Mice. Infection and Immunity, 2004, 72, 4138-4150.	1.0	305
12	Memory CD8 + T Cells Require Increased Concentrations of Acetate Induced by Stress for Optimal Function. Immunity, 2016, 44, 1312-1324.	6.6	257
13	Role of the Salmonella Pathogenicity Island 1 Effector Proteins SipA, SopB, SopE, and SopE2 in Salmonella enterica Subspecies 1 Serovar Typhimurium Colitis in Streptomycin-Pretreated Mice. Infection and Immunity, 2004, 72, 795-809.	1.0	202
14	Microbiota-Derived Compounds Drive Steady-State Granulopoiesis via MyD88/TICAM Signaling. Journal of Immunology, 2014, 193, 5273-5283.	0.4	202
15	Acquisition of a multifunctional IgA+ plasma cell phenotype in the gut. Nature, 2012, 481, 199-203.	13.7	177
16	A mouse model for S. typhimurium-induced enterocolitis. Trends in Microbiology, 2005, 13, 497-503.	3.5	167
17	Microbe sampling by mucosal dendritic cells is a discrete, MyD88-independent stepin Î”invG S. Typhimurium colitis. Journal of Experimental Medicine, 2008, 205, 437-450.	4.2	164
18	Functional Intestinal Bile Acid 7Î±-Dehydroxylation by Clostridium scindens Associated with Protection from Clostridium difficile Infection in a Gnotobiotic Mouse Model. Frontiers in Cellular and Infection Microbiology, 2016, 6, 191.	1.8	151

#	Article	IF	Citations
19	Comparison of Salmonella enterica Serovar Typhimurium Colitis in Germfree Mice and Mice Pretreated with Streptomycin. Infection and Immunity, 2005, 73, 3228-3241.	1.0	136
20	Mucosal or systemic microbiota exposures shape the BÂcell repertoire. Nature, 2020, 584, 274-278.	13.7	132
21	Antibodies Set Boundaries Limiting Microbial Metabolite Penetration and the Resultant Mammalian Host Response. Immunity, 2018, 49, 545-559.e5.	6.6	121
22	The habitat, double life, citizenship, and forgetfulness of IgA. Immunological Reviews, 2012, 245, 132-146.	2.8	105
23	Functional Flexibility of Intestinal IgA â€“ Broadening the Fine Line. Frontiers in Immunology, 2012, 3, 100.	2.2	86
24	Elevated Temperature Differentially Affects Virulence, VirB Protein Accumulation, and T-Pilus Formation in Different Agrobacterium tumefaciens and Agrobacterium vitis Strains. Journal of Bacteriology, 2001, 183, 6852-6861.	1.0	81
25	VirB6 Is Required for Stabilization of VirB5 and VirB3 and Formation of VirB7 Homodimers in Agrobacterium tumefaciens. Journal of Bacteriology, 2000, 182, 4505-4511.	1.0	73
26	In vitro and in vivo characterization of Clostridium scindens bile acid transformations. Gut Microbes, 2019, 10, 481-503.	4.3	70
27	Biogeography of microbial bile acid transformations along the murine gut. Journal of Lipid Research, 2020, 61, 1450-1463.	2.0	61
28	Virulence of Broad- and Narrow-Host-Range Salmonella enterica Serovars in the Streptomycin-PretreatedMouse Model. Infection and Immunity, 2006, 74, 632-644.	1.0	58
29	Production of germ-free mosquitoes via transient colonisation allows stage-specific investigation of hostâ€“microbiota interactions. Nature Communications, 2021, 12, 942.	5.8	50
30	InvB Is Required for Type III-Dependent Secretion of SopA in Salmonella enterica Serovar Typhimurium. Journal of Bacteriology, 2004, 186, 1215-1219.	1.0	48
31	Peracetic Acid Treatment Generates Potent Inactivated Oral Vaccines from a Broad Range of Culturable Bacterial Species. Frontiers in Immunology, 2016, 7, 34.	2.2	39
32	Memory CD8+ T Cells Balance Pro- and Anti-inflammatory Activity by Reprogramming Cellular Acetate Handling at Sites of Infection. Cell Metabolism, 2020, 32, 457-467.e5.	7.2	37
33	Engineering bacterial symbionts of nematodes improves their biocontrol potential to counter the western corn rootworm. Nature Biotechnology, 2020, 38, 600-608.	9.4	27
34	The ESRP1-GPR137 axis contributes to intestinal pathogenesis. ELife, 2017, 6, .	2.8	24
35	Respiratory tissue-associated commensal bacteria offer therapeutic potential against pneumococcal colonization. ELife, 2020, 9, .	2.8	22
36	Innate immunity restricts Citrobacter rodentium A/E pathogenesis initiation to an early window of opportunity. PLoS Pathogens, 2017, 13, e1006476.	2.1	17

#	Article	IF	Citations
37	Paneth cells promote angiogenesis and regulate portal hypertensionÂin response to microbial signals. Journal of Hepatology, 2020, 73, 628-639.	1.8	16
38	Uncoupling of invasive bacterial mucosal immunogenicity from pathogenicity. Nature Communications, 2020, 11, 1978.	5.8	14
39	D-Alanine-Controlled Transient Intestinal Mono-Colonization with Non-Laboratory-Adapted Commensal E. coli Strain HS. PLoS ONE, 2016, 11, e0151872.	1.1	9
40	The armed truce between the intestinal microflora and host mucosal immunity. Seminars in Immunology, 2007, 19, 57-58.	2.7	7
41	Robust microbe immune recognition in the intestinal mucosa. Genes and Immunity, 2021, 22, 268-275.	2.2	5
42	In remembrance of commensal intestinal microbes. Communicative and Integrative Biology, 2010, 3, 569-571.	0.6	4
43	Plant chemistry and food web health. New Phytologist, 2021, 231, 957-962.	3.5	4
44	Outrunning Salmonella â€“ the role of endogenous Enterobacteriaceae in variable colonization resistance. Lab Animal, 2019, 48, 203-204.	0.2	2
45	A protocol for generating germ-free Heligmosomoides polygyrus bakeri larvae for gnotobiotic helminth infection studies. STAR Protocols, 2021, 2, 100946.	0.5	1