

Sven Pettersson

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122
papers

15,460
citations

48
h-index

124
g-index

124
ext. papers

18,069
ext. citations

10
avg. IF

6.12
L-index

#	Paper	IF	Citations
122	Host-gut microbiota metabolic interactions. <i>Science</i> , 2012 , 336, 1262-7	33.3	2728
121	Normal gut microbiota modulates brain development and behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 3047-52	11.5	1967
120	The gut microbiota influences blood-brain barrier permeability in mice. <i>Science Translational Medicine</i> , 2014 , 6, 263ra158	17.5	1043
119	Commensal anaerobic gut bacteria attenuate inflammation by regulating nuclear-cytoplasmic shuttling of PPAR-gamma and RelA. <i>Nature Immunology</i> , 2004 , 5, 104-12	19.1	818
118	Local administration of antisense phosphorothioate oligonucleotides to the p65 subunit of NF-kappa B abrogates established experimental colitis in mice. <i>Nature Medicine</i> , 1996 , 2, 998-1004	50.5	721
117	TRAF1-C5 as a risk locus for rheumatoid arthritis--a genomewide study. <i>New England Journal of Medicine</i> , 2007 , 357, 1199-209	59.2	655
116	Genome-wide association identifies multiple ulcerative colitis susceptibility loci. <i>Nature Genetics</i> , 2010 , 42, 332-7	36.3	491
115	Expression of a transgenic class II Ab gene confers susceptibility to collagen-induced arthritis. <i>European Journal of Immunology</i> , 1994 , 24, 1698-702	6.1	419
114	Microbiome Influences Prenatal and Adult Microglia in a Sex-Specific Manner. <i>Cell</i> , 2018 , 172, 500-516.e15	56.2	351
113	Our Gut Microbiome: The Evolving Inner Self. <i>Cell</i> , 2017 , 171, 1481-1493	56.2	294
112	The yopJ locus is required for Yersinia-mediated inhibition of NF-kappaB activation and cytokine expression: YopJ contains a eukaryotic SH2-like domain that is essential for its repressive activity. <i>Molecular Microbiology</i> , 1998 , 28, 1067-79	4.1	248
111	A constitutively active dioxin/aryl hydrocarbon receptor induces stomach tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 9990-5	11.5	239
110	A second B cell-specific enhancer 3' of the immunoglobulin heavy-chain locus. <i>Nature</i> , 1990 , 344, 165-8	50.4	203
109	Microbiota controls the homeostasis of glial cells in the gut lamina propria. <i>Neuron</i> , 2015 , 85, 289-95	13.9	199
108	Decreased fat storage by Lactobacillus paracasei is associated with increased levels of angiopoietin-like 4 protein (ANGPTL4). <i>PLoS ONE</i> , 2010 , 5, e13087	3.7	194
107	Cytokine gene transcription by NF-kappa B family members in patients with inflammatory bowel disease. <i>Annals of the New York Academy of Sciences</i> , 1998 , 859, 149-59	6.5	186
106	Aryl hydrocarbon receptor suppresses intestinal carcinogenesis in ApcMin/+ mice with natural ligands. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13481-6	11.5	184

105	Intestinal microbiota regulate xenobiotic metabolism in the liver. <i>PLoS ONE</i> , 2009 , 4, e6958	3.7	171
104	Therapeutic modulation of microbiota-host metabolic interactions. <i>Science Translational Medicine</i> , 2012 , 4, 137rv6	17.5	170
103	Role of peroxisome proliferator-activated receptor gamma and retinoid X receptor heterodimer in hepatogastroenterological diseases. <i>Lancet, The</i> , 2002 , 360, 1410-8	40	162
102	Gut microbiota accelerate tumor growth via c-jun and STAT3 phosphorylation in APCMin/+ mice. <i>Carcinogenesis</i> , 2012 , 33, 1231-8	4.6	143
101	Retardation of post-natal development caused by a negatively acting thyroid hormone receptor alpha1. <i>EMBO Journal</i> , 2002 , 21, 5079-87	13	143
100	The mouse IgH 3' enhancer. <i>European Journal of Immunology</i> , 1991 , 21, 1499-504	6.1	136
99	Dissociation of EphB2 signaling pathways mediating progenitor cell proliferation and tumor suppression. <i>Cell</i> , 2009 , 139, 679-92	56.2	134
98	Bromodomain-containing protein 4 (BRD4) regulates RNA polymerase II serine 2 phosphorylation in human CD4+ T cells. <i>Journal of Biological Chemistry</i> , 2012 , 287, 43137-55	5.4	127
97	The Wnt/beta-catenin signaling pathway targets PPARgamma activity in colon cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 1460-5	11.5	125
96	Absence of Toll-like receptor 4 explains endotoxin hyporesponsiveness in human intestinal epithelium. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2001 , 32, 449-53	2.8	125
95	The gut microbiota influences skeletal muscle mass and function in mice. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	124
94	The coxsackie- and adenovirus receptor (CAR) is an in vivo marker for epithelial tight junctions, with a potential role in regulating permeability and tissue homeostasis. <i>Experimental Cell Research</i> , 2006 , 312, 1566-80	4.2	120
93	Gut flora, Toll-like receptors and nuclear receptors: a tripartite communication that tunes innate immunity in large intestine. <i>Cellular Microbiology</i> , 2008 , 10, 1093-103	3.9	116
92	Inhibition of activated/memory (CD45RO(+)) T cells by oxidative stress associated with block of NF-kappaB activation. <i>Journal of Immunology</i> , 2001 , 167, 2595-601	5.3	107
91	Enterococcus faecalis from newborn babies regulate endogenous PPARgamma activity and IL-10 levels in colonic epithelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 1943-8	11.5	104
90	SB939, a novel potent and orally active histone deacetylase inhibitor with high tumor exposure and efficacy in mouse models of colorectal cancer. <i>Molecular Cancer Therapeutics</i> , 2010 , 9, 642-52	6.1	102
89	Inflammation and autoimmunity caused by a SHP1 mutation depend on IL-1, MyD88, and a microbial trigger. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15028-33	11.5	101
88	De-novo identification of PPARgamma/RXR binding sites and direct targets during adipogenesis. <i>PLoS ONE</i> , 2009 , 4, e4907	3.7	93

87	Metabolic tinkering by the gut microbiome: Implications for brain development and function. <i>Gut Microbes</i> , 2014 , 5, 369-80	8.8	80
86	Predominant role of NF-kappa B p65 in the pathogenesis of chronic intestinal inflammation. <i>Immunobiology</i> , 1997 , 198, 91-8	3.4	80
85	Correction: Comparing the genomes of Helicobacter pylori clinical strain UM032 and mice-adapted derivatives. <i>Gut Pathogens</i> , 2014 , 6, 11	5.4	78
84	Constitutive function of the basic helix-loop-helix/PAS factor Arnt. Regulation of target promoters via the E box motif. <i>Journal of Biological Chemistry</i> , 1995 , 270, 13968-72	5.4	74
83	Hepatic circadian clock oscillators and nuclear receptors integrate microbiome-derived signals. <i>Scientific Reports</i> , 2016 , 6, 20127	4.9	72
82	Salmonella typhimurium mutants that downregulate phagocyte nitric oxide production. <i>Cellular Microbiology</i> , 2000 , 2, 239-50	3.9	70
81	Bidirectional communication between the Aryl hydrocarbon Receptor (AhR) and the microbiome tunes host metabolism. <i>Npj Biofilms and Microbiomes</i> , 2016 , 2, 16014	8.2	68
80	Neurogenesis and longevity signaling in young germ-free mice transplanted with the gut microbiota of old mice. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	65
79	Gut microbial communities modulating brain development and function. <i>Gut Microbes</i> , 2012 , 3, 366-73	8.8	63
78	The gut microbiota and developmental programming of the testis in mice. <i>PLoS ONE</i> , 2014 , 9, e103809	3.7	61
77	ANGPTL4 expression induced by butyrate and rosiglitazone in human intestinal epithelial cells utilizes independent pathways. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 304, G1025-37	5.1	60
76	Enterococcus faecalis from healthy infants modulates inflammation through MAPK signaling pathways. <i>PLoS ONE</i> , 2014 , 9, e97523	3.7	56
75	Corecruitment of the Grg4 repressor by PU.1 is critical for Pax5-mediated repression of B-cell-specific genes. <i>EMBO Reports</i> , 2004 , 5, 291-6	6.5	49
74	Bacterial regulation of intestinal immune responses. <i>Inflammatory Bowel Diseases</i> , 2000 , 6, 116-22	4.5	46
73	Lipopolysaccharide-dependent transactivation of the temporally regulated immunoglobulin heavy chain 3C enhancer. <i>European Journal of Immunology</i> , 1994 , 24, 1671-7	6.1	46
72	AhR controls redox homeostasis and shapes the tumor microenvironment in BRCA1-associated breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3604-3613	11.5	45
71	The hygiene hypothesis, the COVID pandemic, and consequences for the human microbiome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	45
70	Ablating the aryl hydrocarbon receptor (AhR) in CD11c+ cells perturbs intestinal epithelium development and intestinal immunity. <i>Scientific Reports</i> , 2016 , 6, 23820	4.9	44

69	PepT1 oligopeptide transporter (SLC15A1) gene polymorphism in inflammatory bowel disease. <i>Inflammatory Bowel Diseases</i> , 2009 , 15, 1562-9	4.5	44
68	ASC-associated inflammation promotes cecal tumorigenesis in aryl hydrocarbon receptor-deficient mice. <i>Carcinogenesis</i> , 2013 , 34, 1620-7	4.6	39
67	Antibody neutralization of microbiota-derived circulating peptidoglycan dampens inflammation and ameliorates autoimmunity. <i>Nature Microbiology</i> , 2019 , 4, 766-773	26.6	37
66	Repression of the immunoglobulin heavy chain 3'enhancer by helix-loop-helix protein Id3 via a functionally important E47/E12 binding site: implications for developmental control of enhancer function. <i>European Journal of Immunology</i> , 1995 , 25, 1770-7	6.1	36
65	B lymphocyte activation upon exclusive recognition of major histocompatibility antigens by T helper cells. <i>European Journal of Immunology</i> , 1984 , 14, 222-7	6.1	35
64	The gut microbiota keeps enteric glial cells on the move; prospective roles of the gut epithelium and immune system. <i>Gut Microbes</i> , 2015 , 6, 398-403	8.8	33
63	The Salmonella YopJ-homologue AvrA does not possess YopJ-like activity. <i>Microbial Pathogenesis</i> , 2000 , 28, 59-70	3.8	33
62	The bacterial protein YopJ abrogates multiple signal transduction pathways that converge on the transcription factor CREB. <i>Cellular Microbiology</i> , 2000 , 2, 231-8	3.9	32
61	Cellular selection leads to age-dependent and reversible down-regulation of transgenic immunoglobulin light chain genes. <i>International Immunology</i> , 1989 , 1, 509-16	4.9	31
60	Systemic Perturbations in Amine and Kynurenine Metabolism Associated with Acute SARS-CoV-2 Infection and Inflammatory Cytokine Responses. <i>Journal of Proteome Research</i> , 2021 , 20, 2796-2811	5.6	30
59	Helicobacter pylori infection can affect energy modulating hormones and body weight in germ free mice. <i>Scientific Reports</i> , 2015 , 5, 8731	4.9	29
58	Absence of intestinal PPAR α aggravates acute infectious colitis in mice through a lipocalin-2-dependent pathway. <i>PLoS Pathogens</i> , 2014 , 10, e1003887	7.6	29
57	MHC restriction of male-antigen-specific T helper cells collaborating in antibody responses. <i>Immunogenetics</i> , 1982 , 15, 129-38	3.2	29
56	Host-microbiome interactions: the aryl hydrocarbon receptor and the central nervous system. <i>Journal of Molecular Medicine</i> , 2017 , 95, 29-39	5.5	28
55	A constitutively active aryl hydrocarbon receptor causes loss of peritoneal B1 cells. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 302, 336-41	3.4	26
54	The Drosophila microbiome has a limited influence on sleep, activity, and courtship behaviors. <i>Scientific Reports</i> , 2018 , 8, 10646	4.9	25
53	WAF1, a new protein involved in regulation of early endocytic transport at the intersection of actin and microtubule dynamics. <i>Experimental Cell Research</i> , 2009 , 315, 1040-52	4.2	25
52	Abrogated lymphocyte infiltration and lowered CD14 in dextran sulfate induced colitis in mice treated with p65 antisense oligonucleotides. <i>International Journal of Colorectal Disease</i> , 2002 , 17, 223-32		25

51	Recombinant adenovirus vector activates and protects human monocyte-derived dendritic cells from apoptosis. <i>Human Gene Therapy</i> , 2002 , 13, 1541-9	4.8	25
50	Manipulation of microbiota reveals altered callosal myelination and white matter plasticity in a model of Huntington disease. <i>Neurobiology of Disease</i> , 2019 , 127, 65-75	7.5	24
49	Distinct helper activities control growth or maturation of B lymphocytes. <i>European Journal of Immunology</i> , 1983 , 13, 249-54	6.1	22
48	Cysteinyl leukotriene 1 receptor influences intestinal polyp incidence in a gender-specific manner in the ApcMin/+ mouse model. <i>Carcinogenesis</i> , 2016 , 37, 491-9	4.6	21
47	Potential role for the common cystic fibrosis DeltaF508 mutation in Crohn's disease. <i>Inflammatory Bowel Diseases</i> , 2007 , 13, 531-6	4.5	21
46	The human I alpha 1 region contains a TGF-beta 1 responsive enhancer and a putative recombination hotspot. <i>International Immunology</i> , 1995 , 7, 1191-204	4.9	21
45	The dioxin/aryl hydrocarbon receptor mediates downregulation of osteopontin gene expression in a mouse model of gastric tumourigenesis. <i>Oncogene</i> , 2005 , 24, 3216-22	9.2	20
44	Immunoglobulin C gene expression. IV. Alternative control of IgG1-producing cells by helper cell-derived B cell-specific growth or maturation factors. <i>European Journal of Immunology</i> , 1983 , 13, 269-72	6.1	20
43	Incomplete Systemic Recovery and Metabolic Phenoreversion in Post-Acute-Phase Nonhospitalized COVID-19 Patients: Implications for Assessment of Post-Acute COVID-19 Syndrome. <i>Journal of Proteome Research</i> , 2021 , 20, 3315-3329	5.6	20
42	Impact of transcription factors AP-1 and NF-kappaB on the outcome of experimental Staphylococcus aureus arthritis and sepsis. <i>Microbes and Infection</i> , 2001 , 3, 527-34	9.3	19
41	Persistent changes in liver methylation and microbiome composition following reversal of diet-induced non-alcoholic-fatty liver disease. <i>Cellular and Molecular Life Sciences</i> , 2019 , 76, 4341-4354	10.3	18
40	Context-dependent Pax-5 repression of a PU.1/NF-kappaB regulated reporter gene in B lineage cells. <i>Gene</i> , 2001 , 262, 107-14	3.8	17
39	Analysis of 39 Crohn's disease risk loci in Swedish inflammatory bowel disease patients. <i>Inflammatory Bowel Diseases</i> , 2010 , 16, 907-9	4.5	16
38	The role of gut dysbiosis in Parkinson's disease: mechanistic insights and therapeutic options. <i>Brain</i> , 2021 , 144, 2571-2593	11.2	16
37	An EphB-Abl signaling pathway is associated with intestinal tumor initiation and growth. <i>Science Translational Medicine</i> , 2015 , 7, 281ra44	17.5	15
36	DNA-dependent conversion of Oct-1 and Oct-2 into transcriptional repressors by Groucho/TLE. <i>Nucleic Acids Research</i> , 2005 , 33, 4618-25	20.1	15
35	PPARG binding landscapes in macrophages suggest a genome-wide contribution of PU.1 to divergent PPARG binding in human and mouse. <i>PLoS ONE</i> , 2012 , 7, e48102	3.7	15
34	Microbial Metabolites and Intestinal Stem Cells Tune Intestinal Homeostasis. <i>Proteomics</i> , 2020 , 20, e18004819	4.19	14

33	Helicobacter pylori and gut microbiota modulate energy homeostasis prior to inducing histopathological changes in mice. <i>Gut Microbes</i> , 2016 , 7, 48-53	8.8	14
32	NFE, a new transcriptional activator that facilitates p50 and c-Rel-dependent IgH 3' enhancer activity. <i>European Journal of Immunology</i> , 1997 , 27, 468-75	6.1	14
31	Functional interaction of CARD15/NOD2 and Crohn's disease-associated TNF α polymorphisms. <i>International Journal of Colorectal Disease</i> , 2005 , 20, 305-11	3	13
30	Physiological activation of the IgH 3' enhancer in B lineage cells is not blocked by Pax-5. <i>European Journal of Immunology</i> , 1996 , 26, 2499-507	6.1	13
29	A double-blind randomized placebo-controlled trial of probiotics in systemic sclerosis associated gastrointestinal disease. <i>Seminars in Arthritis and Rheumatism</i> , 2019 , 49, 411-419	5.3	12
28	Comparing the genomes of Helicobacter pylori clinical strain UM032 and Mice-adapted derivatives. <i>Gut Pathogens</i> , 2013 , 5, 25	5.4	12
27	The ulcerative colitis marker protein WAFL interacts with accessory proteins in endocytosis. <i>International Journal of Biological Sciences</i> , 2010 , 6, 163-71	11.2	12
26	The lymphoid-specific cofactor OBF-1 is essential for the expression of a V(H) promoter/HS1,2 enhancer-linked transgene in late B cell development. <i>Molecular Immunology</i> , 2000 , 37, 889-99	4.3	10
25	Regulated activity of the IgH intron enhancer (E μ) in the T lymphocyte lineage. <i>International Immunology</i> , 1995 , 7, 89-95	4.9	10
24	Gut microbes, ageing & organ function: a chameleon in modern biology?. <i>EMBO Molecular Medicine</i> , 2019 , 11, e9872	12	9
23	The long and winding road to gut homeostasis. <i>Current Opinion in Gastroenterology</i> , 2006 , 22, 349-53	3	9
22	Tryptophan-metabolizing gut microbes regulate adult neurogenesis via the aryl hydrocarbon receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	9
21	Identification of a new WASP and FKBP-like (WAFL) protein in inflammatory bowel disease: a potential marker gene for ulcerative colitis. <i>International Journal of Colorectal Disease</i> , 2008 , 23, 921-30	3	7
20	Eph receptor interclass cooperation is required for the regulation of cell proliferation. <i>Experimental Cell Research</i> , 2016 , 348, 10-22	4.2	6
19	Immunology: Mammalian watchdog targets bacteria. <i>Nature</i> , 2014 , 512, 377-8	50.4	6
18	Interference of eukaryotic signalling pathways by the bacteria Yersinia outer protein YopJ. <i>Immunology Letters</i> , 1999 , 68, 199-203	4.1	6
17	Ontogenic development of "natural" and induced plaque-forming cell isotypes in normal mice. <i>European Journal of Immunology</i> , 1985 , 15, 1003-7	6.1	6
16	Quantum changes in Helicobacter pylori gene expression accompany host-adaptation. <i>DNA Research</i> , 2017 , 24, 37-49	4.5	5

15	Evaluation of novel control elements by construction of eukaryotic expression vectors. <i>Gene</i> , 1997 , 188, 191-8	3.8	5
14	Novel Salmonella typhimurium properties in host--parasite interactions. <i>Immunology Letters</i> , 1999 , 68, 247-9	4.1	5
13	Probing biomolecular interactions of glutathione transferase M2-2 by using peptide phage display. <i>ChemBioChem</i> , 2002 , 3, 823-8	3.8	4
12	ILSI Southeast Asia Region conference proceedings: The gut, its microbes and health: relevance for Asia. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2017 , 26, 957-971	1	4
11	Reprint of: Manipulation of microbiota reveals altered callosal myelination and white matter plasticity in a model of Huntington disease. <i>Neurobiology of Disease</i> , 2020 , 135, 104744	7.5	3
10	When Cultures Meet: The Landscape of "Social" Interactions between the Host and Its Indigenous Microbes. <i>BioEssays</i> , 2019 , 41, e1900002	4.1	3
9	Aberrant regulation of the IgH 3' enhancer by c-myc in plasmacytoma cells. <i>Molecular Immunology</i> , 1995 , 32, 1369-75	4.3	3
8	Su1088 A Novel Predictive Association Between Irritable Bowel Syndrome and Glaucomatous Optic Neuropathy. <i>Gastroenterology</i> , 2015 , 148, S-404	13.3	2
7	Concomitant downregulation of IgH 3' enhancer activity and c-myc expression in a plasmacytoma x fibroblast environment: implications for dysregulation of translocated c-myc. <i>Molecular Immunology</i> , 1997 , 34, 97-107	4.3	2
6	Clonal analysis of the specificity of alloreactive cells: "dominance" of E beta reactive clones. <i>Immunogenetics</i> , 1982 , 16, 559-69	3.2	2
5	Irritable bowel syndrome and risk of glaucoma: An analysis of two independent population-based cohort studies. <i>United European Gastroenterology Journal</i> , 2021 , 9, 1057-1065	5.3	2
4	Temporal control of IgH gene expression in developing B cells by the 3' locus control region. <i>Immunobiology</i> , 1997 , 198, 236-48	3.4	1
3	Manipulation of microbiota reveals altered myelination and white matter plasticity in a model of Huntington disease		1
2	Regional Diets Targeting Gut Microbial Dynamics to Support Prolonged Healthspan. <i>Frontiers in Microbiology</i> , 2021 , 12, 659465	5.7	0
1	Arthritis development in germ free mice deficient for reactive oxygen species. <i>Annals of the Rheumatic Diseases</i> , 2012 , 71, A27.1-A27	2.4	