Sven Pettersson

List of Publications by Year in Descending Order

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	Systemic Perturbations in Amine and Kynurenine Metabolism Associated with Acute SARS-CoV-2 Infection and Inflammatory Cytokine Responses. *Journal of Proteome Research*, **2021**, 20, 2796-2811	5.6	30
121	The role of gut dysbiosis in Parkinson's disease: mechanistic insights and therapeutic options. *Brain*, **2021**, 144, 2571-2593	11.2	16
120	Regional Diets Targeting Gut Microbial Dynamics to Support Prolonged Healthspan. *Frontiers in Microbiology*, **2021**, 12, 659465	5.7	0
119	Incomplete Systemic Recovery and Metabolic Phenoreversion in Post-Acute-Phase Nonhospitalized COVID-19 Patients: Implications for Assessment of Post-Acute COVID-19 Syndrome. *Journal of Proteome Research*, **2021**, 20, 3315-3329	5.6	20
118	Tryptophan-metabolizing gut microbes regulate adult neurogenesis via the aryl hydrocarbon receptor. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	9
117	Irritable bowel syndrome and risk of glaucoma: An analysis of two independent population-based cohort studies. *United European Gastroenterology Journal*, **2021**, 9, 1057-1065	5.3	2
116	The hygiene hypothesis, the COVID pandemic, and consequences for the human microbiome. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	45
115	Reprint of: Manipulation of microbiota reveals altered callosal myelination and white matter plasticity in a model of Huntington disease. *Neurobiology of Disease*, **2020**, 135, 104744	7.5	3
114	Microbial Metabolites and Intestinal Stem Cells Tune Intestinal Homeostasis. *Proteomics*, **2020**, 20, e1800419	4.8	14
113	Persistent changes in liver methylation and microbiome composition following reversal of diet-induced non-alcoholic-fatty liver disease. *Cellular and Molecular Life Sciences*, **2019**, 76, 4341-4354	10.3	18
112	A double-blind randomized placebo-controlled trial of probiotics in systemic sclerosis associated gastrointestinal disease. *Seminars in Arthritis and Rheumatism*, **2019**, 49, 411-419	5.3	12
111	Antibody neutralization of microbiota-derived circulating peptidoglycan dampens inflammation and ameliorates autoimmunity. *Nature Microbiology*, **2019**, 4, 766-773	26.6	37
110	Manipulation of microbiota reveals altered callosal myelination and white matter plasticity in a model of Huntington disease. *Neurobiology of Disease*, **2019**, 127, 65-75	7.5	24
109	AhR controls redox homeostasis and shapes the tumor microenvironment in BRCA1-associated breast cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 3604-3613	11.5	45
108	When Cultures Meet: The Landscape of "Social" Interactions between the Host and Its Indigenous Microbes. *BioEssays*, **2019**, 41, e1900002	4.1	3
107	The gut microbiota influences skeletal muscle mass and function in mice. *Science Translational Medicine*, **2019**, 11,	17.5	124
106	Gut microbes, ageing & organ function: a chameleon in modern biology?. *EMBO Molecular Medicine*, **2019**, 11, e9872	12	9

105	Neurogenesis and prolongevity signaling in young germ-free mice transplanted with the gut microbiota of old mice. *Science Translational Medicine*, **2019**, 11,	17.5	65
104	Microbiome Influences Prenatal and Adult Microglia in a Sex-Specific Manner. *Cell*, **2018**, 172, 500-516.e16	56.2	351
103	The Drosophila microbiome has a limited influence on sleep, activity, and courtship behaviors. *Scientific Reports*, **2018**, 8, 10646	4.9	25
102	Quantum changes in Helicobacter pylori gene expression accompany host-adaptation. *DNA Research*, **2017**, 24, 37-49	4.5	5
101	Our Gut Microbiome: The Evolving Inner Self. *Cell*, **2017**, 171, 1481-1493	56.2	294
100	Host-microbiome interactions: the aryl hydrocarbon receptor and the central nervous system. *Journal of Molecular Medicine*, **2017**, 95, 29-39	5.5	28
99	ILSI Southeast Asia Region conference proceedings: The gut, its microbes and health: relevance for Asia. *Asia Pacific Journal of Clinical Nutrition*, **2017**, 26, 957-971	1	4
98	Eph receptor interclass cooperation is required for the regulation of cell proliferation. *Experimental Cell Research*, **2016**, 348, 10-22	4.2	6
97	Ablating the aryl hydrocarbon receptor (AhR) in CD11c+ cells perturbs intestinal epithelium development and intestinal immunity. *Scientific Reports*, **2016**, 6, 23820	4.9	44
96	Hepatic circadian clock oscillators and nuclear receptors integrate microbiome-derived signals. *Scientific Reports*, **2016**, 6, 20127	4.9	72
95	Cysteinyl leukotriene 1 receptor influences intestinal polyp incidence in a gender-specific manner in the ApcMin/+ mouse model. *Carcinogenesis*, **2016**, 37, 491-9	4.6	21
94	Helicobacter pylori and gut microbiota modulate energy homeostasis prior to inducing histopathological changes in mice. *Gut Microbes*, **2016**, 7, 48-53	8.8	14
93	Bidirectional communication between the Aryl hydrocarbon Receptor (AhR) and the microbiome tunes host metabolism. *Npj Biofilms and Microbiomes*, **2016**, 2, 16014	8.2	68
92	Su1088 A Novel Predictive Association Between Irritable Bowel Syndrome and Glaucomatous Optic Neuropathy. *Gastroenterology*, **2015**, 148, S-404	13.3	2
91	An EphB-Abl signaling pathway is associated with intestinal tumor initiation and growth. *Science Translational Medicine*, **2015**, 7, 281ra44	17.5	15
90	The gut microbiota keeps enteric glial cells on the move; prospective roles of the gut epithelium and immune system. *Gut Microbes*, **2015**, 6, 398-403	8.8	33
89	Helicobacter pylori infection can affect energy modulating hormones and body weight in germ free mice. *Scientific Reports*, **2015**, 5, 8731	4.9	29
88	Microbiota controls the homeostasis of glial cells in the gut lamina propria. *Neuron*, **2015**, 85, 289-95	13.9	199

87	Immunology: Mammalian watchdog targets bacteria. *Nature*, **2014**, 512, 377-8	50.4	6
86	Correction: Comparing the genomes of Helicobacter pylori clinical strain UM032 and mice-adapted derivatives. *Gut Pathogens*, **2014**, 6, 11	5.4	78
85	Enterococcus faecalis from healthy infants modulates inflammation through MAPK signaling pathways. *PLoS ONE*, **2014**, 9, e97523	3.7	56
84	The gut microbiota and developmental programming of the testis in mice. *PLoS ONE*, **2014**, 9, e103809	3.7	61
83	Metabolic tinkering by the gut microbiome: Implications for brain development and function. *Gut Microbes*, **2014**, 5, 369-80	8.8	80
82	The gut microbiota influences blood-brain barrier permeability in mice. *Science Translational Medicine*, **2014**, 6, 263ra158	17.5	1043
81	Absence of intestinal PPARδ aggravates acute infectious colitis in mice through a lipocalin-2-dependent pathway. *PLoS Pathogens*, **2014**, 10, e1003887	7.6	29
80	Comparing the genomes of Helicobacter pylori clinical strain UM032 and Mice-adapted derivatives. *Gut Pathogens*, **2013**, 5, 25	5.4	12
79	ANGPTL4 expression induced by butyrate and rosiglitazone in human intestinal epithelial cells utilizes independent pathways. *American Journal of Physiology - Renal Physiology*, **2013**, 304, G1025-37	5.1	60
78	ASC-associated inflammation promotes cecal tumorigenesis in aryl hydrocarbon receptor-deficient mice. *Carcinogenesis*, **2013**, 34, 1620-7	4.6	39
77	Bromodomain-containing protein 4 (BRD4) regulates RNA polymerase II serine 2 phosphorylation in human CD4+ T cells. *Journal of Biological Chemistry*, **2012**, 287, 43137-55	5.4	127
76	Therapeutic modulation of microbiota-host metabolic interactions. *Science Translational Medicine*, **2012**, 4, 137rv6	17.5	170
75	Host-gut microbiota metabolic interactions. *Science*, **2012**, 336, 1262-7	33.3	2728
74	Gut microbiota accelerate tumor growth via c-jun and STAT3 phosphorylation in APCMin/+ mice. *Carcinogenesis*, **2012**, 33, 1231-8	4.6	143
73	Gut microbial communities modulating brain development and function. *Gut Microbes*, **2012**, 3, 366-73	8.8	63
72	PPARG binding landscapes in macrophages suggest a genome-wide contribution of PU.1 to divergent PPARG binding in human and mouse. *PLoS ONE*, **2012**, 7, e48102	3.7	15
71	Arthritis development in germ free mice deficient for reactive oxygen species. *Annals of the Rheumatic Diseases*, **2012**, 71, A27.1-A27	2.4	
70	Normal gut microbiota modulates brain development and behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 3047-52	11.5	1967

69	Genome-wide association identifies multiple ulcerative colitis susceptibility loci. *Nature Genetics*, **2010**, 42, 332-7	36.3	491
68	The ulcerative colitis marker protein WAFL interacts with accessory proteins in endocytosis. *International Journal of Biological Sciences*, **2010**, 6, 163-71	11.2	12
67	SB939, a novel potent and orally active histone deacetylase inhibitor with high tumor exposure and efficacy in mouse models of colorectal cancer. *Molecular Cancer Therapeutics*, **2010**, 9, 642-52	6.1	102
66	Analysis of 39 Crohn© disease risk loci in Swedish inflammatory bowel disease patients. *Inflammatory Bowel Diseases*, **2010**, 16, 907-9	4.5	16
65	Decreased fat storage by Lactobacillus paracasei is associated with increased levels of angiopoietin-like 4 protein (ANGPTL4). *PLoS ONE*, **2010**, 5, e13087	3.7	194
64	Aryl hydrocarbon receptor suppresses intestinal carcinogenesis in ApcMin/+ mice with natural ligands. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 13481-6	11.5	184
63	WAFL, a new protein involved in regulation of early endocytic transport at the intersection of actin and microtubule dynamics. *Experimental Cell Research*, **2009**, 315, 1040-52	4.2	25
62	PepT1 oligopeptide transporter (SLC15A1) gene polymorphism in inflammatory bowel disease. *Inflammatory Bowel Diseases*, **2009**, 15, 1562-9	4.5	44
61	Dissociation of EphB2 signaling pathways mediating progenitor cell proliferation and tumor suppression. *Cell*, **2009**, 139, 679-92	56.2	134
60	De-novo identification of PPARgamma/RXR binding sites and direct targets during adipogenesis. *PLoS ONE*, **2009**, 4, e4907	3.7	93
59	Intestinal microbiota regulate xenobiotic metabolism in the liver. *PLoS ONE*, **2009**, 4, e6958	3.7	171
58	Gut flora, Toll-like receptors and nuclear receptors: a tripartite communication that tunes innate immunity in large intestine. *Cellular Microbiology*, **2008**, 10, 1093-103	3.9	116
57	Inflammation and autoimmunity caused by a SHP1 mutation depend on IL-1, MyD88, and a microbial trigger. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 15028-33	11.5	101
56	Enterococcus faecalis from newborn babies regulate endogenous PPARgamma activity and IL-10 levels in colonic epithelial cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 1943-8	11.5	104
55	Identification of a new WASP and FKBP-like (WAFL) protein in inflammatory bowel disease: a potential marker gene for ulcerative colitis. *International Journal of Colorectal Disease*, **2008**, 23, 921-30	3	7
54	Potential role for the common cystic fibrosis DeltaF508 mutation in Crohn© disease. *Inflammatory Bowel Diseases*, **2007**, 13, 531-6	4.5	21
53	TRAF1-C5 as a risk locus for rheumatoid arthritis--a genomewide study. *New England Journal of Medicine*, **2007**, 357, 1199-209	59.2	655
52	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. *Experimental Cell Research*, **2006**, 312, 1566-80	4.2	120

51	The long and winding road to gut homeostasis. *Current Opinion in Gastroenterology*, **2006**, 22, 349-53	3	9
50	The dioxin/aryl hydrocarbon receptor mediates downregulation of osteopontin gene expression in a mouse model of gastric tumourigenesis. *Oncogene*, **2005**, 24, 3216-22	9.2	20
49	Functional interaction of CARD15/NOD2 and Crohn© disease-associated TNFalpha polymorphisms. *International Journal of Colorectal Disease*, **2005**, 20, 305-11	3	13
48	DNA-dependent conversion of Oct-1 and Oct-2 into transcriptional repressors by Groucho/TLE. *Nucleic Acids Research*, **2005**, 33, 4618-25	20.1	15
47	The Wnt/beta-catenin signaling pathway targets PPARgamma activity in colon cancer cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 1460-5	11.5	125
46	Commensal anaerobic gut bacteria attenuate inflammation by regulating nuclear-cytoplasmic shuttling of PPAR-gamma and RelA. *Nature Immunology*, **2004**, 5, 104-12	19.1	818
45	Corecruitment of the Grg4 repressor by PU.1 is critical for Pax5-mediated repression of B-cell-specific genes. *EMBO Reports*, **2004**, 5, 291-6	6.5	49
44	A constitutively active aryl hydrocarbon receptor causes loss of peritoneal B1 cells. *Biochemical and Biophysical Research Communications*, **2003**, 302, 336-41	3.4	26
43	Probing biomolecular interactions of glutathione transferase M2-2 by using peptide phage display. *ChemBioChem*, **2002**, 3, 823-8	3.8	4
42	Abrogated lymphocyte infiltration and lowered CD14 in dextran sulfate induced colitis in mice treated with p65 antisense oligonucleotides. *International Journal of Colorectal Disease*, **2002**, 17, 223-32	3	25
41	Retardation of post-natal development caused by a negatively acting thyroid hormone receptor alpha1. *EMBO Journal*, **2002**, 21, 5079-87	13	143
40	Recombinant adenovirus vector activates and protects human monocyte-derived dendritic cells from apoptosis. *Human Gene Therapy*, **2002**, 13, 1541-9	4.8	25
39	A constitutively active dioxin/aryl hydrocarbon receptor induces stomach tumors. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 9990-5	11.5	239
38	Role of peroxisome proliferator-activated receptor gamma and retinoid X receptor heterodimer in hepatogastroenterological diseases. *Lancet, The*, **2002**, 360, 1410-8	40	162
37	Impact of transcription factors AP-1 and NF-kappaB on the outcome of experimental Staphylococcus aureus arthritis and sepsis. *Microbes and Infection*, **2001**, 3, 527-34	9.3	19
36	Inhibition of activated/memory (CD45RO(+)) T cells by oxidative stress associated with block of NF-kappaB activation. *Journal of Immunology*, **2001**, 167, 2595-601	5.3	107
35	Context-dependent Pax-5 repression of a PU.1/NF-kappaB regulated reporter gene in B lineage cells. *Gene*, **2001**, 262, 107-14	3.8	17
34	Absence of Toll-like receptor 4 explains endotoxin hyporesponsiveness in human intestinal epithelium. *Journal of Pediatric Gastroenterology and Nutrition*, **2001**, 32, 449-53	2.8	125

33	Bacterial regulation of intestinal immune responses. *Inflammatory Bowel Diseases*, **2000**, 6, 116-22	4.5	46
32	The bacterial protein YopJ abrogates multiple signal transduction pathways that converge on the transcription factor CREB. *Cellular Microbiology*, **2000**, 2, 231-8	3.9	32
31	Salmonella typhimurium mutants that downregulate phagocyte nitric oxide production. *Cellular Microbiology*, **2000**, 2, 239-50	3.9	70
30	The Salmonella YopJ-homologue AvrA does not possess YopJ-like activity. *Microbial Pathogenesis*, **2000**, 28, 59-70	3.8	33
29	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. *Molecular Immunology*, **2000**, 37, 889-99	4.3	10
28	Interference of eukaryotic signalling pathways by the bacteria Yersinia outer protein YopJ. *Immunology Letters*, **1999**, 68, 199-203	4.1	6
27	Novel Salmonella typhimurium properties in host--parasite interactions. *Immunology Letters*, **1999**, 68, 247-9	4.1	5
26	Cytokine gene transcription by NF-kappa B family members in patients with inflammatory bowel disease. *Annals of the New York Academy of Sciences*, **1998**, 859, 149-59	6.5	186
25	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. *Molecular Microbiology*, **1998**, 28, 1067-79	4.1	248
24	Concomitant downregulation of IgH 3Œenhancer activity and c-myc expression in a plasmacytoma x fibroblast environment: implications for dysregulation of translocated c-myc. *Molecular Immunology*, **1997**, 34, 97-107	4.3	2
23	Predominant role of NF-kappa B p65 in the pathogenesis of chronic intestinal inflammation. *Immunobiology*, **1997**, 198, 91-8	3.4	80
22	Temporal control of IgH gene expression in developing B cells by the 3Œlocus control region. *Immunobiology*, **1997**, 198, 236-48	3.4	1
21	Evaluation of novel control elements by construction of eukaryotic expression vectors. *Gene*, **1997**, 188, 191-8	3.8	5
20	NFE, a new transcriptional activator that facilitates p50 and c-Rel-dependent IgH 3Œenhancer activity. *European Journal of Immunology*, **1997**, 27, 468-75	6.1	14
19	Physiological activation of the IgH 3Œenhancer in B lineage cells is not blocked by Pax-5. *European Journal of Immunology*, **1996**, 26, 2499-507	6.1	13
18	Local administration of antisense phosphorothioate oligonucleotides to the p65 subunit of NF-kappa B abrogates established experimental colitis in mice. *Nature Medicine*, **1996**, 2, 998-1004	50.5	721
17	Constitutive function of the basic helix-loop-helix/PAS factor Arnt. Regulation of target promoters via the E box motif. *Journal of Biological Chemistry*, **1995**, 270, 13968-72	5.4	74
16	Regulated activity of the IgH intron enhancer (E mu) in the T lymphocyte lineage. *International Immunology*, **1995**, 7, 89-95	4.9	10

15	Aberrant regulation of the IgH 3Œenhancer by c-myc in plasmacytoma cells. *Molecular Immunology*, **1995**, 32, 1369-75	4.3	3
14	The human I alpha 1 region contains a TGF-beta 1 responsive enhancer and a putative recombination hotspot. *International Immunology*, **1995**, 7, 1191-204	4.9	21
13	Repression of the immunoglobulin heavy chain 3Œenhancer by helix-loop-helix protein Id3 via a functionally important E47/E12 binding site: implications for developmental control of enhancer function. *European Journal of Immunology*, **1995**, 25, 1770-7	6.1	36
12	Lipopolysaccharide-dependent transactivation of the temporally regulated immunoglobulin heavy chain 3Œenhancer. *European Journal of Immunology*, **1994**, 24, 1671-7	6.1	46
11	Expression of a transgenic class II Ab gene confers susceptibility to collagen-induced arthritis. *European Journal of Immunology*, **1994**, 24, 1698-702	6.1	419
10	The mouse IgH 3Œenhancer. *European Journal of Immunology*, **1991**, 21, 1499-504	6.1	136
9	A second B cell-specific enhancer 3Œof the immunoglobulin heavy-chain locus. *Nature*, **1990**, 344, 165-8	50.4	203
8	Cellular selection leads to age-dependent and reversible down-regulation of transgenic immunoglobulin light chain genes. *International Immunology*, **1989**, 1, 509-16	4.9	31
7	Ontogenic development of "natural" and induced plaque-forming cell isotypes in normal mice. *European Journal of Immunology*, **1985**, 15, 1003-7	6.1	6
6	B lymphocyte activation upon exclusive recognition of major histocompatibility antigens by T helper cells. *European Journal of Immunology*, **1984**, 14, 222-7	6.1	35
5	Distinct helper activities control growth or maturation of B lymphocytes. *European Journal of Immunology*, **1983**, 13, 249-54	6.1	22
4	Immunoglobulin C gene expression. IV. Alternative control of IgG1-producing cells by helper cell-derived B cell-specific growth or maturation factors. *European Journal of Immunology*, **1983**, 13, 269-72	6.1	20
3	MHC restriction of male-antigen-specific T helper cells collaborating in antibody responses. *Immunogenetics*, **1982**, 15, 129-38	3.2	29
2	Clonal analysis of the specificity of alloreactive cells: "dominance" of E beta reactive clones. *Immunogenetics*, **1982**, 16, 559-69	3.2	2
1	Manipulation of microbiota reveals altered myelination and white matter plasticity in a model of Huntington disease		1