Oliver Pabst

List of Publications by Citations

120 papers	8,905 citations	46 h-index	93 g-index
121 ext. papers	10,215 ext. citations	9.9 avg, IF	6.28 L-index

#	Paper	IF	Citations
120	Intestinal tolerance requires gut homing and expansion of FoxP3+ regulatory T cells in the lamina propria. *Immunity*, **2011**, 34, 237-46	32.3	628
119	Functional specialization of gut CD103+ dendritic cells in the regulation of tissue-selective T cell homing. *Journal of Experimental Medicine*, **2005**, 202, 1063-73	16.6	554
118	Intestinal CD103+, but not CX3CR1+, antigen sampling cells migrate in lymph and serve classical dendritic cell functions. *Journal of Experimental Medicine*, **2009**, 206, 3101-14	16.6	536
117	Oral tolerance originates in the intestinal immune system and relies on antigen carriage by dendritic cells. *Journal of Experimental Medicine*, **2006**, 203, 519-27	16.6	533
116	Small intestinal CD103+ dendritic cells display unique functional properties that are conserved between mice and humans. *Journal of Experimental Medicine*, **2008**, 205, 2139-49	16.6	487
115	Oral tolerance to food protein. *Mucosal Immunology*, **2012**, 5, 232-9	9.2	442
114	New concepts in the generation and functions of IgA. *Nature Reviews Immunology*, **2012**, 12, 821-32	36.5	410
113	Stromal mesenteric lymph node cells are essential for the generation of gut-homing T cells in vivo. *Journal of Experimental Medicine*, **2008**, 205, 2483-90	16.6	252
112	BALB/c and C57BL/6 Mice Differ in Polyreactive IgA Abundance, which Impacts the Generation of Antigen-Specific IgA and Microbiota Diversity. *Immunity*, **2015**, 43, 527-40	32.3	188
111	CCR9 is a homing receptor for plasmacytoid dendritic cells to the small intestine. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 6347-52	11.5	185
110	Chemokine receptor CCR9 contributes to the localization of plasma cells to the small intestine. *Journal of Experimental Medicine*, **2004**, 199, 411-6	16.6	180
109	Induction of tolerance to innocuous inhaled antigen relies on a CCR7-dependent dendritic cell-mediated antigen transport to the bronchial lymph node. *Journal of Immunology*, **2006**, 177, 7346-54	5.3	167
108	Thymic T cell development and progenitor localization depend on CCR7. *Journal of Experimental Medicine*, **2004**, 200, 481-91	16.6	166
107	Age, microbiota, and T cells shape diverse individual IgA repertoires in the intestine. *Journal of Experimental Medicine*, **2012**, 209, 365-77	16.6	162
106	Cooperating mechanisms of CXCR5 and CCR7 in development and organization of secondary lymphoid organs. *Journal of Experimental Medicine*, **2003**, 197, 1199-204	16.6	156
105	Cryptopatches and isolated lymphoid follicles: dynamic lymphoid tissues dispensable for the generation of intraepithelial lymphocytes. *European Journal of Immunology*, **2005**, 35, 98-107	6.1	145
104	Diversification of memory B cells drives the continuous adaptation of secretory antibodies to gut microbiota. *Nature Immunology*, **2015**, 16, 880-8	19.1	138

103	Role of serotonin in intestinal inflammation: knockout of serotonin reuptake transporter exacerbates 2,4,6-trinitrobenzene sulfonic acid colitis in mice. *American Journal of Physiology - Renal Physiology*, **2009**, 296, G685-95	5.1	138
102	IgA and the intestinal microbiota: the importance of being specific. *Mucosal Immunology*, **2020**, 13, 12-21	9.2	129
101	Adaptation of solitary intestinal lymphoid tissue in response to microbiota and chemokine receptor CCR7 signaling. *Journal of Immunology*, **2006**, 177, 6824-32	5.3	122
100	Age-dependent TLR3 expression of the intestinal epithelium contributes to rotavirus susceptibility. *PLoS Pathogens*, **2012**, 8, e1002670	7.6	112
99	Antigen sampling in the small intestine. *Trends in Immunology*, **2013**, 34, 155-61	14.4	111
98	Secretory IgA in the Coordination of Establishment and Maintenance of the Microbiota. *Trends in Immunology*, **2016**, 37, 287-296	14.4	111
97	Retinoic acid induces homing of protective T and B cells to the gut after subcutaneous immunization in mice. *Journal of Clinical Investigation*, **2011**, 121, 3051-61	15.9	106
96	Analysis of factors contributing to variation in the C57BL/6J fecal microbiota across German animal facilities. *International Journal of Medical Microbiology*, **2016**, 306, 343-355	3.7	97
95	Indigenous enteric eosinophils control DCs to initiate a primary Th2 immune response in vivo. *Journal of Experimental Medicine*, **2014**, 211, 1657-72	16.6	95
94	Mesenteric lymph nodes confine dendritic cell-mediated dissemination of Salmonella enterica serovar Typhimurium and limit systemic disease in mice. *Infection and Immunity*, **2009**, 77, 3170-80	3.7	88
93	Lymph node T cell homeostasis relies on steady state homing of dendritic cells. *Immunity*, **2011**, 35, 945-57	37.3	84
92	Common gamma-chain-dependent signals confer selective survival of eosinophils in the murine small intestine. *Journal of Immunology*, **2009**, 183, 5600-7	5.3	82
91	Chick NKx-2.3 represents a novel family member of vertebrate homologues to the Drosophila homeobox gene tinman: differential expression of cNKx-2.3 and cNKx-2.5 during heart and gut development. *Mechanisms of Development*, **1996**, 56, 151-63	1.7	81
90	NKX2 gene expression in neuroectoderm but not in mesendodermally derived structures depends on sonic hedgehog in mouse embryos. *Development Genes and Evolution*, **2000**, 210, 47-50	1.8	76
89	NKX2.3 is required for MAdCAM-1 expression and homing of lymphocytes in spleen and mucosa-associated lymphoid tissue. *EMBO Journal*, **2000**, 19, 2015-23	13	74
88	The puzzle of intestinal lamina propria dendritic cells and macrophages. *European Journal of Immunology*, **2010**, 40, 2107-11	6.1	68
87	Nkx2-9 is a novel homeobox transcription factor which demarcates ventral domains in the developing mouse CNS. *Mechanisms of Development*, **1998**, 73, 85-93	1.7	65
86	Chemokine receptor 7 knockout attenuates atherosclerotic plaque development. *Circulation*, **2010**, 122, 1621-8	16.7	64

85	Redistribution of sphingosine 1-phosphate by sphingosine kinase 2 contributes to lymphopenia. *Journal of Immunology*, **2010**, 184, 4133-42	5.3	63
84	CX3CR1 is a gatekeeper for intestinal barrier integrity in mice: Limiting steatohepatitis by maintaining intestinal homeostasis. *Hepatology*, **2015**, 62, 1405-16	11.2	61
83	The intestinal micro-environment imprints stromal cells to promote efficient Treg induction in gut-draining lymph nodes. *Mucosal Immunology*, **2014**, 7, 359-68	9.2	61
82	The mouse Nkx2-3 homeodomain gene is expressed in gut mesenchyme during pre- and postnatal mouse development. *Developmental Dynamics*, **1997**, 209, 29-35	2.9	56
81	Enhancement of intestinal inflammation in mice lacking interleukin 10 by deletion of the serotonin reuptake transporter. *Neurogastroenterology and Motility*, **2010**, 22, 826-34, e229	4	55
80	Chemokine receptor CXCR5 supports solitary intestinal lymphoid tissue formation, B cell homing, and induction of intestinal IgA responses. *Journal of Immunology*, **2009**, 182, 2610-9	5.3	54
79	The peritoneal micromilieu commits B cells to home to body cavities and the small intestine. *Blood*, **2007**, 109, 4627-34	2.2	54
78	The origin and maturity of dendritic cells determine the pattern of sphingosine 1-phosphate receptors expressed and required for efficient migration. *Journal of Immunology*, **2010**, 185, 4072-81	5.3	53
77	Stromal cells confer lymph node-specific properties by shaping a unique microenvironment influencing local immune responses. *Journal of Immunology*, **2008**, 181, 1898-907	5.3	53
76	Differential molecular and anatomical basis for B cell migration into the peritoneal cavity and omental milky spots. *Journal of Immunology*, **2008**, 180, 2196-203	5.3	52
75	The adhesion receptor CD155 determines the magnitude of humoral immune responses against orally ingested antigens. *European Journal of Immunology*, **2007**, 37, 2214-25	6.1	48
74	Resident CD4+ T cells accumulate in lymphoid organs after prolonged antigen exposure. *Nature Communications*, **2014**, 5, 4821	17.4	46
73	Serotonin 5-HT7 receptor is critically involved in acute and chronic inflammation of the gastrointestinal tract. *Inflammatory Bowel Diseases*, **2014**, 20, 1516-29	4.5	45
72	Dissemination of persistent intestinal bacteria via the mesenteric lymph nodes causes typhoid relapse. *Infection and Immunity*, **2011**, 79, 1479-88	3.7	45
71	Solitary intestinal lymphoid tissue provides a productive port of entry for Salmonella enterica serovar Typhimurium. *Infection and Immunity*, **2007**, 75, 1577-85	3.7	45
70	Targeted disruption of the homeobox gene Nkx2.9 reveals a role in development of the spinal accessory nerve. *Development (Cambridge)*, **2003**, 130, 1193-202	6.6	44
69	The necroptosis-inducing kinase RIPK3 dampens adipose tissue inflammation and glucose intolerance. *Nature Communications*, **2016**, 7, 11869	17.4	43
68	Active suppression of intestinal CD4(+)TCR(+) T-lymphocyte maturation during the postnatal period. *Nature Communications*, **2015**, 6, 7725	17.4	42

67	Transcription factors Nkx3.1 and Nkx3.2 (Bapx1) play an overlapping role in sclerotomal development of the mouse. *Mechanisms of Development*, **2002**, 117, 217-24	1.7	42
66	Independent bottlenecks characterize colonization of systemic compartments and gut lymphoid tissue by salmonella. *PLoS Pathogens*, **2014**, 10, e1004270	7.6	38
65	The pan-B cell marker CD22 is expressed on gastrointestinal eosinophils and negatively regulates tissue eosinophilia. *Journal of Immunology*, **2012**, 188, 1075-82	5.3	38
64	Neonatally imprinted stromal cell subsets induce tolerogenic dendritic cells in mesenteric lymph nodes. *Nature Communications*, **2018**, 9, 3903	17.4	36
63	Inflammation triggers immediate rather than progressive changes in monocyte differentiation in the small intestine. *Nature Communications*, **2019**, 10, 3229	17.4	35
62	Cutting edge: egress of newly generated plasma cells from peripheral lymph nodes depends on beta 2 integrin. *Journal of Immunology*, **2005**, 174, 7492-5	5.3	34
61	The complement C3a receptor is critical in defense against Chlamydia psittaci in mouse lung infection and required for antibody and optimal T cell response. *Journal of Infectious Diseases*, **2014** , 209, 1269-78	7	33
60	Mucosal addressin cell-adhesion molecule-1 controls plasma-cell migration and function in the small intestine of mice. *Gastroenterology*, **2009**, 137, 924-33	13.3	32
59	Chemokines as organizers of primary and secondary lymphoid organs. *Seminars in Immunology*, **2003**, 15, 249-55	10.7	31
58	The Extracellular Domains of IgG1 and T Cell-Derived IL-4/IL-13 Are Critical for the Polyclonal Memory IgE Response In Vivo. *PLoS Biology*, **2015**, 13, e1002290	9.7	29
57	The serotonin receptor 5-HT$_7$R regulates the morphology and migratory properties of dendritic cells. *Journal of Cell Science*, **2015**, 128, 2866-80	5.3	28
56	The impact of cell-bound antigen transport on mucosal tolerance induction. *Journal of Leukocyte Biology*, **2007**, 82, 795-800	6.5	26
55	Gut microbiota: a natural adjuvant for vaccination. *Immunity*, **2014**, 41, 349-351	32.3	25
54	Localization of dendritic cells in the gut epithelium requires MAdCAM-1. *Clinical Immunology*, **2015**, 156, 74-84	9	24
53	High microbiota reactivity of adult human intestinal IgA requires somatic mutations. *Journal of Experimental Medicine*, **2020**, 217,	16.6	24
52	The EBI2-oxysterol axis promotes the development of intestinal lymphoid structures and colitis. *Mucosal Immunology*, **2019**, 12, 733-745	9.2	23
51	p38 MAP kinase and MAPKAP kinases MK2/3 cooperatively phosphorylate epithelial keratins. *Journal of Biological Chemistry*, **2010**, 285, 33242-33251	5.4	22
50	Hypertrophy of infected Peyer's patches arises from global, interferon-receptor, and CD69-independent shutdown of lymphocyte egress. *Mucosal Immunology*, **2014**, 7, 892-904	9.2	21

49	Chicken winged-helix transcription factor cFKH-1 prefigures axial and appendicular skeletal structures during chicken embryogenesis. *Developmental Dynamics*, **1998**, 212, 94-101	2.9	21
48	Homeostatic chemokines in development, plasticity, and functional organization of the intestinal immune system. *Seminars in Immunology*, **2008**, 20, 171-80	10.7	21
47	Dynamics and function of solitary intestinal lymphoid tissue. *Critical Reviews in Immunology*, **2008**, 28, 1-13	1.8	21
46	Enhanced FTY720-mediated lymphocyte homing requires G alpha i signaling and depends on beta 2 and beta 7 integrin. *Journal of Immunology*, **2006**, 176, 1474-80	5.3	20
45	Shift of graft-versus-host-disease target organ tropism by dietary vitamin A. *PLoS ONE*, **2012**, 7, e38252	3.7	20
44	B-1-cell subpopulations contribute differently to gut immunity. *European Journal of Immunology*, **2013**, 43, 2023-32	6.1	18
43	Broad IgG repertoire in patients with chronic rhinosinusitis with nasal polyps regulates proinflammatory IgE responses. *Journal of Allergy and Clinical Immunology*, **2019**, 143, 2086-2094.e2	11.5	17
42	Multicongenic fate mapping quantification of dynamics of thymus colonization. *Journal of Experimental Medicine*, **2015**, 212, 1589-601	16.6	17
41	Real friends: Faecalibacterium prausnitzii supports mucosal immune homeostasis. *Gut*, **2016**, 65, 365-7	19.2	16
40	Trafficking of regulatory T cells in the intestinal immune system. *International Immunology*, **2013**, 25, 139-43	4.9	16
39	THOC5, a member of the mRNA export complex, contributes to processing of a subset of wingless/integrated (Wnt) target mRNAs and integrity of the gut epithelial barrier. *BMC Cell Biology*, **2013**, 14, 51		15
38	7 integrin controls immunogenic and tolerogenic mucosal B cell responses. *Clinical Immunology*, **2012**, 144, 87-97	9	15
37	Mesenteric lymph node stroma cells in the generation of intestinal immune responses. *Journal of Molecular Medicine*, **2009**, 87, 945-51	5.5	15
36	Carbonic anhydrase IV is expressed on IL-5-activated murine eosinophils. *Journal of Immunology*, **2014**, 192, 5481-9	5.3	13
35	Protection of mouse small bowel allografts by FTY720 and costimulation blockade. *Transplantation*, **2005**, 79, 1703-10	1.8	12
34	Correlation, consequence, and functionality in microbiome-immune interplay. *Immunological Reviews*, **2017**, 279, 4-7	11.3	11
33	On the road to tolerance--generation and migration of gut regulatory T cells. *European Journal of Immunology*, **2013**, 43, 1422-5	6.1	11
32	The hnRNP and cytoskeletal protein raver1 contributes to synaptic plasticity. *Experimental Cell Research*, **2008**, 314, 1048-60	4.2	11

31	Inactivation of T-cell receptor-mediated integrin activation prolongs allograft survival in ADAP-deficient mice. *Transplantation*, **2007**, 84, 400-6	1.8	11
30	Elucidating the functional anatomy of secondary lymphoid organs. *Current Opinion in Immunology*, **2004**, 16, 394-9	7.8	11
29	Intestinal development and homeostasis require activation and apoptosis of diet-reactive T cells. *Journal of Clinical Investigation*, **2019**, 129, 1972-1983	15.9	11
28	Clever-1 contributes to lymphocyte entry into the spleen via the red pulp. *Science Immunology*, **2019**, 4,	28	9
27	The thymus is required for the ability of FTY720 to prolong skin allograft survival across different histocompatibility MHC barriers. *Transplant International*, **2007**, 20, 895-903	3	9
26	Persistence of the IgE repertoire in birch pollen allergy. *Journal of Allergy and Clinical Immunology*, **2016**, 137, 1884-1887.e8	11.5	7
25	Lymph node □and □CD8 T cells share migratory properties. *Scientific Reports*, **2018**, 8, 8986	4.9	7
24	ADAP deficiency combined with costimulation blockade synergistically protects intestinal allografts. *Transplant International*, **2010**, 23, 71-9	3	7
23	Old questions, new tools: does next-generation sequencing hold the key to unraveling intestinal B-cell responses?. *Mucosal Immunology*, **2015**, 8, 29-37	9.2	6
22	The Compromised Mucosal Immune System of □ Integrin-Deficient Mice Has Only Minor Effects on the Fecal Microbiota in Homeostasis. *Frontiers in Microbiology*, **2019**, 10, 2284	5.7	5
21	Adaptive immune response to model antigens is impaired in murine leukocyte-adhesion deficiency-1 revealing elevated activation thresholds in vivo. *Clinical and Developmental Immunology*, **2012**, 2012, 450738		5
20	VH1 Family Immunoglobulin Repertoire Sequencing after Allogeneic Hematopoietic Stem Cell Transplantation. *PLoS ONE*, **2017**, 12, e0168096	3.7	5
19	Control of intestinal allograft rejection by FTY720 and costimulation blockade. *Transplantation Proceedings*, **2005**, 37, 114-5	1.1	4
18	Cryptopatches and Isolated Lymphoid Follicles: Aspects of Development, Homeostasis and Function **2011**, 107-117		4
17	Subcellular antigen localization in commensal E. coli is critical for T cell activation and induction of specific tolerance. *Mucosal Immunology*, **2019**, 12, 97-107	9.2	4
16	A Model System for Feralizing Laboratory Mice in Large Farmyard-Like Pens. *Frontiers in Microbiology*, **2020**, 11, 615661	5.7	4
15	Differential Effects of Gut-Homing Molecules CC Chemokine Receptor 9 and Integrin-□ during Acute Graft-versus-Host Disease of the Liver. *Biology of Blood and Marrow Transplantation*, **2015**, 21, 2069-2078	4.7	3
14	IkappaBalpha is required for marginal zone B cell lineage development. *European Journal of Immunology*, **2008**, 38, 2096-105	6.1	3

13	Mdr1 Saves T Cells from Bile. *Immunity*, **2017**, 47, 1016-1018	32.3	2
12	Secretory IgA: controlling the gut microbiota. *Nature Reviews Gastroenterology and Hepatology*, **2021**,	24.2	2
11	Mechanisms of Oral Tolerance to Soluble Protein Antigens **2015**, 831-848		1
10	The oxysterol receptor GPR183 in inflammatory bowel diseases. *British Journal of Pharmacology*, **2021**, 178, 3140-3156	8.6	1
9	Cognate recognition of microbial antigens defines constricted CD4 T□cell receptor repertoires in the inflamed colon. *Immunity*, **2021**, 54, 2565-2577.e6	32.3	1
8	Allergic diseases in infancy II-oral tolerance and its failure. *World Allergy Organization Journal*, **2021**, 14, 100586	5.2	0
7	Allergic diseases in infancy: I - Epidemiology and current interpretation. *World Allergy Organization Journal*, **2021**, 14, 100591	5.2	0
6	Robo4 contributes to the turnover of Peyer's patch B cells. *Mucosal Immunology*, **2020**, 13, 245-256	9.2	0
5	The immune landscape of IgA induction in the gut. *Seminars in Immunopathology*, **2021**, 43, 627-637	12	0
4	Microbiome and Gut Immunity: B Cells **2018**, 141-150		
3	Orale Toleranz bei der Maus als Lehrstück f□ orale Immuntherapie beim Menschen?. *Allergo Journal*, **2013**, 22, 312-316	0	
2	Reply. *Hepatology*, **2016**, 64, 304-5	11.2	
1	Induced B Cell Development in Adult Mice. *Frontiers in Immunology*, **2018**, 9, 2483	8.4	