Pawel R Kiela

List of Publications by Year in Descending Order

91 papers	2,952 citations	33 h-index	52 g-index
127 ext. papers	3,473 ext. citations	5.9 avg, IF	5.22 L-index

#	Paper	IF	Citations
91	Alternaria alternata-induced airway epithelial signaling and inflammatory responses via protease-activated receptor-2 expression.. *Biochemical and Biophysical Research Communications*, **2021**, 591, 13-19	3.4	1
90	Dynamics of Gut Microbiota Recovery after Antibiotic Exposure in Young and Old Mice (A Pilot Study). *Microorganisms*, **2021**, 9,	4.9	4
89	Dynamics of dark fermentation microbial communities in the light of lactate and butyrate production. *Microbiome*, **2021**, 9, 158	16.6	8
88	Intestinal Regulatory T Cells. *Advances in Experimental Medicine and Biology*, **2021**, 1278, 141-190	3.6	3
87	Non-canonical NRF2 activation promotes a pro-diabetic shift in hepatic glucose metabolism. *Molecular Metabolism*, **2021**, 51, 101243	8.8	4
86	Proliferation in the developing intestine is regulated by the endosomal protein Endotubin. *Developmental Biology*, **2021**, 480, 50-61	3.1	0
85	Emerging Roles of Disabled Homolog 2 (DAB2) in Immune Regulation. *Frontiers in Immunology*, **2020**, 11, 580302	8.4	6
84	Intestinal Epithelial Expression of MHCII Determines Severity of Chemical, T-Cell-Induced, and Infectious Colitis in Mice. *Gastroenterology*, **2020**, 159, 1342-1356.e6	13.3	5
83	Elevating EGFR-MAPK program by a nonconventional Cdc42 enhances intestinal epithelial survival and regeneration. *JCI Insight*, **2020**, 5,	9.9	8
82	Na+/H+ Exchangers in Epithelia. *Physiology in Health and Disease*, **2020**, 125-209	0.2	
81	Total CD3 T Cells Are Necessary and Sufficient to Induce Colitis in Immunodeficient Mice With Dendritic Cell-Specific Deletion of TGFbR2: A Novel IBD Model to Study CD4 and CD8 T-Cell Interaction. *Inflammatory Bowel Diseases*, **2020**, 26, 229-241	4.5	2
80	Paneth Cell-Derived Lysozyme Defines the Composition of Mucolytic Microbiota and the Inflammatory Tone of the Intestine. *Immunity*, **2020**, 53, 398-416.e8	32.3	29
79	Role of Lymphatic Deficiency in the Pathogenesis and Progression of Inflammatory Bowel Disease to Colorectal Cancer in an Experimental Mouse Model. *Inflammatory Bowel Diseases*, **2019**, 25, 1919-1928	4.5	5
78	Rapid Downregulation of DAB2 by Toll-Like Receptor Activation Contributes to a Pro-Inflammatory Switch in Activated Dendritic Cells. *Frontiers in Immunology*, **2019**, 10, 304	8.4	9
77	ZBTB32 restrains antibody responses to murine cytomegalovirus infections, but not other repetitive challenges. *Scientific Reports*, **2019**, 9, 15257	4.9	7
76	Sexual Dimorphism in the Response to Broad-spectrum Antibiotics During T Cell-mediated Colitis. *Journal of Crohn's and Colitis*, **2019**, 13, 115-126	1.5	6
75	Na + /H + Exchange in Mammalian Digestive Tract **2018**, 1273-1316		3

74	Molecular Mechanisms of Intestinal Transport of Calcium, Phosphate, and Magnesium **2018**, 1405-1449		5
73	Microbial dysbiosis associated with impaired intestinal Na/H exchange accelerates and exacerbates colitis in ex-germ free mice. *Mucosal Immunology*, **2018**, 11, 1329-1341	9.2	26
72	Transforming Growth Factor Beta Signaling in Dendritic Cells Is Required for Immunotolerance to Sperm in the Epididymis. *Frontiers in Immunology*, **2018**, 9, 1882	8.4	15
71	SLC9 Gene Family: Function, Expression, and Regulation. *Comprehensive Physiology*, **2018**, 8, 555-583	7.7	23
70	Expression of Cav1.3 calcium channel in the human and mouse colon: posttranscriptional inhibition by IFN*American Journal of Physiology - Renal Physiology*, **2017**, 312, G77-G84	5.1	4
69	Vitamins and Minerals in Inflammatory Bowel Disease. *Gastroenterology Clinics of North America*, **2017**, 46, 797-808	4.4	45
68	Pathophysiology of Intestinal Na/H exchange. *Cellular and Molecular Gastroenterology and Hepatology*, **2017**, 3, 27-40	7.9	35
67	Phosphorus: Basic Nutritional Aspects **2017**, 413-427		1
66	Sodium **2017**, 489-501		1
65	Transcriptional Reprogramming and Resistance to Colonic Mucosal Injury in Poly(ADP-ribose) Polymerase 1 (PARP1)-deficient Mice. *Journal of Biological Chemistry*, **2016**, 291, 8918-30	5.4	26
64	Physiology of Intestinal Absorption and Secretion. *Baillieres Best Practice and Research in Clinical Gastroenterology*, **2016**, 30, 145-59	2.5	265
63	Reduced Epithelial Na+/H+ Exchange Drives Gut Microbial Dysbiosis and Promotes Inflammatory Response in T Cell-Mediated Murine Colitis. *PLoS ONE*, **2016**, 11, e0152044	3.7	25
62	Clinical characteristics associated with postoperative intestinal epithelial barrier dysfunction in children with congenital heart disease. *Pediatric Critical Care Medicine*, **2015**, 16, 37-44	3	29
61	Experimental colitis is associated with transcriptional inhibition of Na+/Ca2+ exchanger isoform 1 (NCX1) expression by interferon n the renal distal convoluted tubules. *Journal of Biological Chemistry*, **2015**, 290, 8964-74	5.4	4
60	The Role of Curcumin in Modulating Colonic Microbiota During Colitis and Colon Cancer Prevention. *Inflammatory Bowel Diseases*, **2015**, 21, 2483-94	4.5	106
59	Gut microbial dysbiosis may predict diarrhea and fatigue in patients undergoing pelvic cancer radiotherapy: a pilot study. *PLoS ONE*, **2015**, 10, e0126312	3.7	93
58	pTyr421 cortactin is overexpressed in colon cancer and is dephosphorylated by curcumin: involvement of non-receptor type 1 protein tyrosine phosphatase (PTPN1). *PLoS ONE*, **2014**, 9, e85796	3.7	25
57	Epithelial transport in inflammatory bowel diseases. *Inflammatory Bowel Diseases*, **2014**, 20, 1099-109	4.5	43

56	Role of PARP-1 in the modulation of neutrophil function: relevance for inflammatory bowel disease (902.5). *FASEB Journal*, **2014**, 28, 902.5	0.9	0
55	The pathogenic role of poly(ADP-ribose) polymerase 1 in experimental colitis (902.11). *FASEB Journal*, **2014**, 28, 902.11	0.9	
54	Post-translational loss of renal TRPV5 calcium channel expression, Ca(2+) wasting, and bone loss in experimental colitis. *Gastroenterology*, **2013**, 145, 613-24	13.3	28
53	Reduced colonic microbial diversity is associated with colitis in NHE3-deficient mice. *American Journal of Physiology - Renal Physiology*, **2013**, 305, G667-77	5.1	57
52	Lack of efficacy of curcumin on neurodegeneration in the mouse model of Niemann-Pick C1. *Pharmacology Biochemistry and Behavior*, **2012**, 101, 125-31	3.9	16
51	Design, Synthesis, and Testing of a Molecular Truck for Colonic Delivery of 5-Aminosalicylic Acid. *ACS Medicinal Chemistry Letters*, **2012**, 3, 710-714	4.3	6
50	Molecular Mechanisms of Intestinal Transport of Calcium, Phosphate, and Magnesium **2012**, 1877-1919		3
49	Na+/H+ Exchange in Mammalian Digestive Tract **2012**, 1781-1818		2
48	Curcumin inhibits interferon-□signaling in colonic epithelial cells. *American Journal of Physiology - Renal Physiology*, **2012**, 302, G85-96	5.1	46
47	Small intestinal ion transport. *Current Opinion in Gastroenterology*, **2012**, 28, 130-4	3	21
46	Dendritic cell-specific disruption of TGF-□receptor II leads to altered regulatory T cell phenotype and spontaneous multiorgan autoimmunity. *Journal of Immunology*, **2012**, 189, 3878-93	5.3	98
45	Polyclonal CD4+Foxp3+ Treg cells induce TGF□dependent tolerogenic dendritic cells that suppress the murine lupus-like syndrome. *Journal of Molecular Cell Biology*, **2012**, 4, 409-19	6.3	64
44	Bone loss and renal Ca2+ wasting in experimental colitis is accompanied by downregulation of TRPV5 in renal distal convoluted tubules. *FASEB Journal*, **2012**, 26, 867.28	0.9	
43	Transcriptional regulation of renal NCX1 by IFN□n colitis. *FASEB Journal*, **2012**, 26, 867.29	0.9	
42	Modulation of neutrophil motility by curcumin: implications for inflammatory bowel disease. *Inflammatory Bowel Diseases*, **2011**, 17, 503-15	4.5	66
41	Advances in the understanding of mineral and bone metabolism in inflammatory bowel diseases. *American Journal of Physiology - Renal Physiology*, **2011**, 300, G191-201	5.1	75
40	From probiotics to therapeutics: another step forward?. *Journal of Clinical Investigation*, **2011**, 121, 2149-52	13.9	11
39	Cooperative role of NF-{kappa}B and poly(ADP-ribose) polymerase 1 (PARP-1) in the TNF-induced inhibition of PHEX expression in osteoblasts. *Journal of Biological Chemistry*, **2010**, 285, 34828-38	5.4	21

38	Unraveling the pathophysiology of alcohol-induced thiamin deficiency. *American Journal of Physiology - Renal Physiology*, **2010**, 299, F26-7	4.3	10
37	Tumor necrosis factor and interferon-gamma down-regulate Klotho in mice with colitis. *Gastroenterology*, **2010**, 138, 1384-94, 1394.e1-2	13.3	92
36	Lack of TGF-beta signaling in dendritic cells leads to systemic autoimmunity. *FASEB Journal*, **2010**, 24, 355.9	0.9	
35	Curcumin Inhibits IFN-□Signaling in Colonic Epithelial Cells. *FASEB Journal*, **2010**, 24, 348.7	0.9	
34	Ion transport in the intestine. *Current Opinion in Gastroenterology*, **2009**, 25, 87-91	3	35
33	Recent advances in the renal-skeletal-gut axis that controls phosphate homeostasis. *Laboratory Investigation*, **2009**, 89, 7-14	5.9	46
32	Changes in mucosal homeostasis predispose NHE3 knockout mice to increased susceptibility to DSS-induced epithelial injury. *Gastroenterology*, **2009**, 137, 965-75, 975.e1-10	13.3	47
31	Cell confluency-induced Stat3 activation regulates NHE3 expression by recruiting Sp1 and Sp3 to the proximal NHE3 promoter region during epithelial dome formation. *American Journal of Physiology - Cell Physiology*, **2009**, 296, C13-24	5.4	22
30	Colonic gene expression profile in NHE3-deficient mice: evidence for spontaneous distal colitis. *American Journal of Physiology - Renal Physiology*, **2008**, 295, G63-G77	5.1	66
29	Protective effects of dietary curcumin in mouse model of chemically induced colitis are strain dependent. *Inflammatory Bowel Diseases*, **2008**, 14, 780-93	4.5	54
28	Cell confluence-induced activation of signal transducer and activator of transcription-3 (Stat3) triggers epithelial dome formation via augmentation of sodium hydrogen exchanger-3 (NHE3) expression. *Journal of Biological Chemistry*, **2007**, 282, 9883-9894	5.4	31
27	Sp1 and Sp3 mediate NHE2 gene transcription in the intestinal epithelial cells. *American Journal of Physiology - Renal Physiology*, **2007**, 293, G146-53	5.1	11
26	Molecular mechanism of rat NHE3 gene promoter regulation by sodium butyrate. *American Journal of Physiology - Cell Physiology*, **2007**, 293, C64-74	5.4	36
25	Efficacy and mechanism of action of turmeric supplements in the treatment of experimental arthritis. *Arthritis and Rheumatism*, **2006**, 54, 3452-64		96
24	Cardiac glycoside downregulates NHE3 activity and expression in LLC-PK1 cells. *American Journal of Physiology - Renal Physiology*, **2006**, 290, F997-1008	4.3	35
23	The role of tumor necrosis factor alpha in down-regulation of osteoblast Phex gene expression in experimental murine colitis. *Gastroenterology*, **2006**, 131, 497-509	13.3	43
22	Regulation of Na+/H+ exchanger-NHE3 by angiotensin-II in OKP cells. *Biochimica Et Biophysica Acta - Biomembranes*, **2006**, 1758, 519-26	3.8	22
21	Na+-H+ Exchange in Mammalian Digestive Tract **2006**, 1847-1879		2

20	1alpha,25-Dihydroxyvitamin D3 upregulates FGF23 gene expression in bone: the final link in a renal-gastrointestinal-skeletal axis that controls phosphate transport. *American Journal of Physiology - Renal Physiology*, **2005**, 289, G1036-42	5.1	301
19	Effects of Boswellia serrata in mouse models of chemically induced colitis. *American Journal of Physiology - Renal Physiology*, **2005**, 288, G798-808	5.1	67
18	1,25-dihydroxyvitamin D3 down-regulation of PHEX gene expression is mediated by apparent repression of a 110 kDa transfactor that binds to a polyadenine element in the promoter. *Journal of Biological Chemistry*, **2004**, 279, 46406-14	5.4	36
17	Characterization of the rat intestinal Fc receptor (FcRn) promoter: transcriptional regulation of FcRn gene by the Sp family of transcription factors. *American Journal of Physiology - Renal Physiology*, **2004**, 286, G922-31	5.1	13
16	Transcriptional regulation of the rat NHE3 gene. Functional interactions between GATA-5 and Sp family transcription factors. *Journal of Biological Chemistry*, **2003**, 278, 5659-68	5.4	55
15	Enteral crude red kidney bean (Phaseolus vulgaris) lectin--phytohemagglutinin--induces maturational changes in the enterocyte membrane proteins of suckling rats. *Neonatology*, **2003**, 84, 152-8	4	11
14	Glucocorticoid regulation and glycosylation of mouse intestinal type IIb Na-P(i) cotransporter during ontogeny. *American Journal of Physiology - Renal Physiology*, **2002**, 283, G426-34	5.1	60
13	Regulation of the rat NHE3 gene promoter by sodium butyrate. *American Journal of Physiology - Renal Physiology*, **2001**, 281, G947-56	5.1	37
12	Regulation of the human sodium-phosphate cotransporter NaP(i)-IIb gene promoter by epidermal growth factor. *American Journal of Physiology - Cell Physiology*, **2001**, 280, C628-36	5.4	54
11	Epidermal growth factor regulation of rat NHE2 gene expression. *American Journal of Physiology - Cell Physiology*, **2001**, 281, C504-13	5.4	35
10	Age- and tissue-specific induction of NHE3 by glucocorticoids in the rat small intestine. *American Journal of Physiology - Cell Physiology*, **2000**, 278, C629-37	5.4	35
9	Expression of rat, renal NHE2 and NHE3 during postnatal development. *Biochimica Et Biophysica Acta - Biomembranes*, **2000**, 1464, 7-17	3.8	9
8	Differential regulation of renal sodium-phosphate transporter by glucocorticoids during rat ontogeny. *American Journal of Physiology - Cell Physiology*, **1999**, 277, C884-90	5.4	14
7	Characterization of cis-elements required for osmotic response of rat Na(+)/H(+) exchanger-2 (NHE-2) gene. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **1999**, 277, R1112-9	3.2	11
6	Effects of intraduodenal administration of tarazepide on pancreatic secretion and duodenal EMG in neonatal calves. *Regulatory Peptides*, **1998**, 78, 113-23		21
5	Ontogeny of basolateral membrane sodium-hydrogen exchange (NHE) activity and mRNA expression of NHE-1 and NHE-4 in rat kidney and jejunum. *Biochimica Et Biophysica Acta - Biomembranes*, **1998**, 1369, 247-58	3.8	24
4	Influence of duodenal infusion of betaine or choline on blood metabolites and duodenal electrical activity in Friesian calves. *Journal of Agricultural Science*, **1998**, 131, 321-327	1	13
3	Increased NHE2 expression in rat intestinal epithelium during ontogeny is transcriptionally mediated. *American Journal of Physiology - Cell Physiology*, **1998**, 275, C1143-50	5.4	36

2	Kinetics of pancreatic juice secretion in relation to duodenal migrating myoelectric complex in preruminant and ruminant calves fed twice daily. *British Journal of Nutrition*, **1997**, 78, 427-42	3.6	8
1	Functional and molecular characterization of NHE3 expression during ontogeny in rat jejunal epithelium. *American Journal of Physiology - Cell Physiology*, **1997**, 273, C1937-46	5.4	75