

Pawel R Kiela

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	1alpha,25-Dihydroxyvitamin D3 upregulates FGF23 gene expression in bone: the final link in a renal-gastrointestinal-skeletal axis that controls phosphate transport. <i>American Journal of Physiology - Renal Physiology</i> , 2005 , 289, G1036-42	5.1	301
90	Physiology of Intestinal Absorption and Secretion. <i>Baillieres Best Practice and Research in Clinical Gastroenterology</i> , 2016 , 30, 145-59	2.5	265
89	The Role of Curcumin in Modulating Colonic Microbiota During Colitis and Colon Cancer Prevention. <i>Inflammatory Bowel Diseases</i> , 2015 , 21, 2483-94	4.5	106
88	Dendritic cell-specific disruption of TGF- β receptor II leads to altered regulatory T cell phenotype and spontaneous multiorgan autoimmunity. <i>Journal of Immunology</i> , 2012 , 189, 3878-93	5.3	98
87	Efficacy and mechanism of action of turmeric supplements in the treatment of experimental arthritis. <i>Arthritis and Rheumatism</i> , 2006 , 54, 3452-64		96
86	Gut microbial dysbiosis may predict diarrhea and fatigue in patients undergoing pelvic cancer radiotherapy: a pilot study. <i>PLoS ONE</i> , 2015 , 10, e0126312	3.7	93
85	Tumor necrosis factor and interferon-gamma down-regulate Klotho in mice with colitis. <i>Gastroenterology</i> , 2010 , 138, 1384-94, 1394.e1-2	13.3	92
84	Advances in the understanding of mineral and bone metabolism in inflammatory bowel diseases. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 300, G191-201	5.1	75
83	Functional and molecular characterization of NHE3 expression during ontogeny in rat jejunal epithelium. <i>American Journal of Physiology - Cell Physiology</i> , 1997 , 273, C1937-46	5.4	75
82	Effects of <i>Boswellia serrata</i> in mouse models of chemically induced colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2005 , 288, G798-808	5.1	67
81	Modulation of neutrophil motility by curcumin: implications for inflammatory bowel disease. <i>Inflammatory Bowel Diseases</i> , 2011 , 17, 503-15	4.5	66
80	Colonic gene expression profile in NHE3-deficient mice: evidence for spontaneous distal colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, G63-G77	5.1	66
79	Polyclonal CD4 ⁺ Foxp3 ⁺ Treg cells induce TGF β -dependent tolerogenic dendritic cells that suppress the murine lupus-like syndrome. <i>Journal of Molecular Cell Biology</i> , 2012 , 4, 409-19	6.3	64
78	Glucocorticoid regulation and glycosylation of mouse intestinal type IIb Na-P(i) cotransporter during ontogeny. <i>American Journal of Physiology - Renal Physiology</i> , 2002 , 283, G426-34	5.1	60
77	Reduced colonic microbial diversity is associated with colitis in NHE3-deficient mice. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 305, G667-77	5.1	57
76	Transcriptional regulation of the rat NHE3 gene. Functional interactions between GATA-5 and Sp family transcription factors. <i>Journal of Biological Chemistry</i> , 2003 , 278, 5659-68	5.4	55
75	Protective effects of dietary curcumin in mouse model of chemically induced colitis are strain dependent. <i>Inflammatory Bowel Diseases</i> , 2008 , 14, 780-93	4.5	54

74	Regulation of the human sodium-phosphate cotransporter NaP(i)-IIb gene promoter by epidermal growth factor. <i>American Journal of Physiology - Cell Physiology</i> , 2001 , 280, C628-36	5.4	54
73	Changes in mucosal homeostasis predispose NHE3 knockout mice to increased susceptibility to DSS-induced epithelial injury. <i>Gastroenterology</i> , 2009 , 137, 965-75, 975.e1-10	13.3	47
72	Recent advances in the renal-skeletal-gut axis that controls phosphate homeostasis. <i>Laboratory Investigation</i> , 2009 , 89, 7-14	5.9	46
71	Curcumin inhibits interferon- β signaling in colonic epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 302, G85-96	5.1	46
70	Vitamins and Minerals in Inflammatory Bowel Disease. <i>Gastroenterology Clinics of North America</i> , 2017 , 46, 797-808	4.4	45
69	Epithelial transport in inflammatory bowel diseases. <i>Inflammatory Bowel Diseases</i> , 2014 , 20, 1099-109	4.5	43
68	The role of tumor necrosis factor alpha in down-regulation of osteoblast Phex gene expression in experimental murine colitis. <i>Gastroenterology</i> , 2006 , 131, 497-509	13.3	43
67	Regulation of the rat NHE3 gene promoter by sodium butyrate. <i>American Journal of Physiology - Renal Physiology</i> , 2001 , 281, G947-56	5.1	37
66	Molecular mechanism of rat NHE3 gene promoter regulation by sodium butyrate. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 293, C64-74	5.4	36
65	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. <i>Journal of Biological Chemistry</i> , 2004 , 279, 46406-14	5.4	36
64	Increased NHE2 expression in rat intestinal epithelium during ontogeny is transcriptionally mediated. <i>American Journal of Physiology - Cell Physiology</i> , 1998 , 275, C1143-50	5.4	36
63	Pathophysiology of Intestinal Na/H exchange. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2017 , 3, 27-40	7.9	35
62	Ion transport in the intestine. <i>Current Opinion in Gastroenterology</i> , 2009 , 25, 87-91	3	35
61	Cardiac glycoside downregulates NHE3 activity and expression in LLC-PK1 cells. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 290, F997-1008	4.3	35
60	Age- and tissue-specific induction of NHE3 by glucocorticoids in the rat small intestine. <i>American Journal of Physiology - Cell Physiology</i> , 2000 , 278, C629-37	5.4	35
59	Epidermal growth factor regulation of rat NHE2 gene expression. <i>American Journal of Physiology - Cell Physiology</i> , 2001 , 281, C504-13	5.4	35
58	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. <i>Journal of Biological Chemistry</i> , 2007 , 282, 9883-9894	5.4	31
57	Clinical characteristics associated with postoperative intestinal epithelial barrier dysfunction in children with congenital heart disease. <i>Pediatric Critical Care Medicine</i> , 2015 , 16, 37-44	3	29

56	Paneth Cell-Derived Lysozyme Defines the Composition of Mucolytic Microbiota and the Inflammatory Tone of the Intestine. <i>Immunity</i> , 2020 , 53, 398-416.e8	32.3	29
55	Post-translational loss of renal TRPV5 calcium channel expression, Ca(2+) wasting, and bone loss in experimental colitis. <i>Gastroenterology</i> , 2013 , 145, 613-24	13.3	28
54	Transcriptional Reprogramming and Resistance to Colonic Mucosal Injury in Poly(ADP-ribose) Polymerase 1 (PARP1)-deficient Mice. <i>Journal of Biological Chemistry</i> , 2016 , 291, 8918-30	5.4	26
53	Microbial dysbiosis associated with impaired intestinal Na/H exchange accelerates and exacerbates colitis in ex-germ free mice. <i>Mucosal Immunology</i> , 2018 , 11, 1329-1341	9.2	26
52	pTyr421 cortactin is overexpressed in colon cancer and is dephosphorylated by curcumin: involvement of non-receptor type 1 protein tyrosine phosphatase (PTPN1). <i>PLoS ONE</i> , 2014 , 9, e85796	3.7	25
51	Reduced Epithelial Na ⁺ /H ⁺ Exchange Drives Gut Microbial Dysbiosis and Promotes Inflammatory Response in T Cell-Mediated Murine Colitis. <i>PLoS ONE</i> , 2016 , 11, e0152044	3.7	25
50	Ontogeny of basolateral membrane sodium-hydrogen exchange (NHE) activity and mRNA expression of NHE-1 and NHE-4 in rat kidney and jejunum. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998 , 1369, 247-58	3.8	24
49	SLC9 Gene Family: Function, Expression, and Regulation. <i>Comprehensive Physiology</i> , 2018 , 8, 555-583	7.7	23
48	Cell confluency-induced Stat3 activation regulates NHE3 expression by recruiting Sp1 and Sp3 to the proximal NHE3 promoter region during epithelial dome formation. <i>American Journal of Physiology - Cell Physiology</i> , 2009 , 296, C13-24	5.4	22
47	Regulation of Na ⁺ /H ⁺ exchanger-NHE3 by angiotensin-II in OKP cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006 , 1758, 519-26	3.8	22
46	Cooperative role of NF- κ B and poly(ADP-ribose) polymerase 1 (PARP-1) in the TNF-induced inhibition of PHEX expression in osteoblasts. <i>Journal of Biological Chemistry</i> , 2010 , 285, 34828-38	5.4	21
45	Small intestinal ion transport. <i>Current Opinion in Gastroenterology</i> , 2012 , 28, 130-4	3	21
44	Effects of intraduodenal administration of tarazepide on pancreatic secretion and duodenal EMG in neonatal calves. <i>Regulatory Peptides</i> , 1998 , 78, 113-23		21
43	Lack of efficacy of curcumin on neurodegeneration in the mouse model of Niemann-Pick C1. <i>Pharmacology Biochemistry and Behavior</i> , 2012 , 101, 125-31	3.9	16
42	Transforming Growth Factor Beta Signaling in Dendritic Cells Is Required for Immunotolerance to Sperm in the Epididymis. <i>Frontiers in Immunology</i> , 2018 , 9, 1882	8.4	15
41	Differential regulation of renal sodium-phosphate transporter by glucocorticoids during rat ontogeny. <i>American Journal of Physiology - Cell Physiology</i> , 1999 , 277, C884-90	5.4	14
40	Characterization of the rat intestinal Fc receptor (FcRn) promoter: transcriptional regulation of FcRn gene by the Sp family of transcription factors. <i>American Journal of Physiology - Renal Physiology</i> , 2004 , 286, G922-31	5.1	13
39	Influence of duodenal infusion of betaine or choline on blood metabolites and duodenal electrical activity in Friesian calves. <i>Journal of Agricultural Science</i> , 1998 , 131, 321-327	1	13

38	Sp1 and Sp3 mediate NHE2 gene transcription in the intestinal epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 293, G146-53	5.1	11
37	Enterol crude red kidney bean (<i>Phaseolus vulgaris</i>) lectin--phytohemagglutinin--induces maturational changes in the enterocyte membrane proteins of suckling rats. <i>Neonatology</i> , 2003 , 84, 152-4	4.8	11
36	Characterization of cis-elements required for osmotic response of rat Na(+)/H(+) exchanger-2 (NHE-2) gene. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999 , 277, R1112-9	3.2	11
35	From probiotics to therapeutics: another step forward?. <i>Journal of Clinical Investigation</i> , 2011 , 121, 2149-52	5.9	11
34	Unraveling the pathophysiology of alcohol-induced thiamin deficiency. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 299, F26-7	4.3	10
33	Rapid Downregulation of DAB2 by Toll-Like Receptor Activation Contributes to a Pro-Inflammatory Switch in Activated Dendritic Cells. <i>Frontiers in Immunology</i> , 2019 , 10, 304	8.4	9
32	Expression of rat, renal NHE2 and NHE3 during postnatal development. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000 , 1464, 7-17	3.8	9
31	Kinetics of pancreatic juice secretion in relation to duodenal migrating myoelectric complex in preruminant and ruminant calves fed twice daily. <i>British Journal of Nutrition</i> , 1997 , 78, 427-42	3.6	8
30	Elevating EGFR-MAPK program by a nonconventional Cdc42 enhances intestinal epithelial survival and regeneration. <i>JCI Insight</i> , 2020 , 5,	9.9	8
29	Dynamics of dark fermentation microbial communities in the light of lactate and butyrate production. <i>Microbiome</i> , 2021 , 9, 158	16.6	8
28	ZBTB32 restrains antibody responses to murine cytomegalovirus infections, but not other repetitive challenges. <i>Scientific Reports</i> , 2019 , 9, 15257	4.9	7
27	Emerging Roles of Disabled Homolog 2 (DAB2) in Immune Regulation. <i>Frontiers in Immunology</i> , 2020 , 11, 580302	8.4	6
26	Design, Synthesis, and Testing of a Molecular Truck for Colonic Delivery of 5-Aminosalicylic Acid. <i>ACS Medicinal Chemistry Letters</i> , 2012 , 3, 710-714	4.3	6
25	Sexual Dimorphism in the Response to Broad-spectrum Antibiotics During T Cell-mediated Colitis. <i>Journal of Crohns and Colitis</i> , 2019 , 13, 115-126	1.5	6
24	Role of Lymphatic Deficiency in the Pathogenesis and Progression of Inflammatory Bowel Disease to Colorectal Cancer in an Experimental Mouse Model. <i>Inflammatory Bowel Diseases</i> , 2019 , 25, 1919-1926	4.5	5
23	Intestinal Epithelial Expression of MHCII Determines Severity of Chemical, T-Cell-Induced, and Infectious Colitis in Mice. <i>Gastroenterology</i> , 2020 , 159, 1342-1356.e6	13.3	5
22	Molecular Mechanisms of Intestinal Transport of Calcium, Phosphate, and Magnesium 2018 , 1405-1449		5
21	Expression of Cav1.3 calcium channel in the human and mouse colon: posttranscriptional inhibition by IFN- γ <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 312, G77-G84	5.1	4

20	Experimental colitis is associated with transcriptional inhibition of Na ⁺ /Ca ²⁺ exchanger isoform 1 (NCX1) expression by interferon γ in the renal distal convoluted tubules. <i>Journal of Biological Chemistry</i> , 2015 , 290, 8964-74	5.4	4
19	Dynamics of Gut Microbiota Recovery after Antibiotic Exposure in Young and Old Mice (A Pilot Study). <i>Microorganisms</i> , 2021 , 9,	4.9	4
18	Non-canonical NRF2 activation promotes a pro-diabetic shift in hepatic glucose metabolism. <i>Molecular Metabolism</i> , 2021 , 51, 101243	8.8	4
17	Na ⁺ /H ⁺ Exchange in Mammalian Digestive Tract 2018 , 1273-1316		3
16	Molecular Mechanisms of Intestinal Transport of Calcium, Phosphate, and Magnesium 2012 , 1877-1919		3
15	Intestinal Regulatory T Cells. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1278, 141-190	3.6	3
14	Na ⁺ /H ⁺ Exchange in Mammalian Digestive Tract 2012 , 1781-1818		2
13	Na ⁺ -H ⁺ Exchange in Mammalian Digestive Tract 2006 , 1847-1879		2
12	Total CD3 T Cells Are Necessary and Sufficient to Induce Colitis in Immunodeficient Mice With Dendritic Cell-Specific Deletion of TGF β 2: A Novel IBD Model to Study CD4 and CD8 T-Cell Interaction. <i>Inflammatory Bowel Diseases</i> , 2020 , 26, 229-241	4.5	2
11	Phosphorus: Basic Nutritional Aspects 2017 , 413-427		1
10	<i>Alternaria alternata</i> -induced airway epithelial signaling and inflammatory responses via protease-activated receptor-2 expression.. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 591, 13-19	3.4	1
9	Sodium 2017 , 489-501		1
8	Role of PARP-1 in the modulation of neutrophil function: relevance for inflammatory bowel disease (902.5). <i>FASEB Journal</i> , 2014 , 28, 902.5	0.9	0
7	Proliferation in the developing intestine is regulated by the endosomal protein Endotubin. <i>Developmental Biology</i> , 2021 , 480, 50-61	3.1	0
6	Na ⁺ /H ⁺ Exchangers in Epithelia. <i>Physiology in Health and Disease</i> , 2020 , 125-209	0.2	
5	Lack of TGF- β signaling in dendritic cells leads to systemic autoimmunity. <i>FASEB Journal</i> , 2010 , 24, 355.9	0.9	
4	Curcumin Inhibits IFN- γ Signaling in Colonic Epithelial Cells. <i>FASEB Journal</i> , 2010 , 24, 348.7	0.9	
3	Bone loss and renal Ca ²⁺ wasting in experimental colitis is accompanied by downregulation of TRPV5 in renal distal convoluted tubules. <i>FASEB Journal</i> , 2012 , 26, 867.28	0.9	

- 2 Transcriptional regulation of renal NCX1 by IFN γ in colitis. *FASEB Journal*, **2012**, 26, 867.29 0.9
- 1 The pathogenic role of poly(ADP-ribose) polymerase 1 in experimental colitis (902.11). *FASEB Journal*, **2014**, 28, 902.11 0.9