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List of Publications by Year
in descending order

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Version: 2024-02-01

61 papers	2,466 citations	201674 27 h-index	206112 48 g-index
65 all docs	65 docs citations	65 times ranked	3380 citing authors

#	Article	IF	Citations
1	Deficiency of intestinal mucin-2 ameliorates experimental alcoholic liver disease in mice. Hepatology, 2013, 58, 108-119.	7.3	187
2	Intestinal Epithelial Cell Apoptosis following Cryptosporidium parvum Infection. Infection and Immunity, 2000, 68, 1710-1713.	2.2	139
3	IBD Candidate Genes and Intestinal Barrier Regulation. Inflammatory Bowel Diseases, 2014, 20, 1829-1849.	1.9	125
4	A crucial role for HVEM and BTLA in preventing intestinal inflammation. Journal of Experimental Medicine, 2008, 205, 1463-1476.	8.5	118
5	Transactivation of the Epidermal Growth Factor Receptor in Colonic Epithelial Cells by Carbachol Requires Extracellular Release of Transforming Growth Factor-Î±. Journal of Biological Chemistry, 2002, 277, 42603-42612.	3.4	102
6	Protection of Epithelial Barrier Function by the Crohn's Disease Associated Gene Protein Tyrosine Phosphatase N2. Gastroenterology, 2009, 137, 2030-2040.e5.	1.3	100
7	AMP-activated Protein Kinase Mediates the Interferon-Î³-induced Decrease in Intestinal Epithelial Barrier Function. Journal of Biological Chemistry, 2009, 284, 27952-27963.	3.4	93
8	Mechanisms of Intestinal Epithelial Barrier Dysfunction byÂAdherent-Invasive Escherichia coli. Cellular and Molecular Gastroenterology and Hepatology, 2017, 3, 41-50.	4.5	87
9	CXCR2-Dependent Mucosal Neutrophil Influx Protects against Colitis-Associated Diarrhea Caused by an Attaching/Effacing Lesion-Forming Bacterial Pathogen. Journal of Immunology, 2009, 183, 3332-3343.	0.8	83
10	Cholera Toxin Disrupts Barrier Function by Inhibiting Exocyst-Mediated Trafficking of Host Proteins to Intestinal Cell Junctions. Cell Host and Microbe, 2013, 14, 294-305.	11.0	82
11	PTPN2 Regulates Inflammasome Activation and Controls Onset of Intestinal Inflammation and Colon Cancer. Cell Reports, 2018, 22, 1835-1848.	6.4	80
12	Protein tyrosine phosphatase N2 regulates TNFÂ-induced signalling and cytokine secretion in human intestinal epithelial cells. Gut, 2011, 60, 189-197.	12.1	72
13	Protein Tyrosine Phosphatase non-Receptor Type 2 regulates IFN-Î³-induced cytokine signaling in THP-1 monocytes. Inflammatory Bowel Diseases, 2010, 16, 2055-2064.	1.9	71
14	CrohnÊ¼s disease-associated polymorphism within the PTPN2 gene affects muramyl-dipeptide-induced cytokine secretion and autophagy. Inflammatory Bowel Diseases, 2012, 18, 900-912.	1.9	71
15	Pathogenesis of Cryptosporidium parvum infection. Microbes and Infection, 1999, 1, 141-148.	1.9	67
16	PTPN2 Regulates Interactions Between Macrophages and Intestinal Epithelial Cells to Promote Intestinal Barrier Function. Gastroenterology, 2020, 159, 1763-1777.e14.	1.3	62
17	Protein Tyrosine Phosphatase Nonreceptor Type 2 Regulates Autophagosome Formation in Human Intestinal Cells. Inflammatory Bowel Diseases, 2012, 18, 1287-1302.	1.9	60
18	The JAK-Inhibitor Tofacitinib Rescues Human Intestinal Epithelial Cells and Colonoids from Cytokine-Induced Barrier Dysfunction. Inflammatory Bowel Diseases, 2020, 26, 407-422.	1.9	58

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19	Epidermal Growth Factor Partially Restores Colonic Ion Transport Responses in Mouse Models of Chronic Colitis. Gastroenterology, 2005, 129, 591-608.	1.3	55
20	Varied role of the gut epithelium in mucosal homeostasis. Current Opinion in Gastroenterology, 2007, 23, 647-654.	2.3	54
21	Altered Expression and Localization of Ion Transporters Contribute to Diarrhea in Mice With Salmonella-Induced Enteritis. Gastroenterology, 2013, 145, 1358-1368.e4.	1.3	48
22	Epidermal Growth Factor Partially Restores Colonic Ion Transport Responses in Mouse Models of Chronic Colitis. Gastroenterology, 2005, 129, 591-608.	1.3	44
23	Activation of Protein Tyrosine Phosphatase Non-Receptor Type 2 by Spermidine Exerts Anti-Inflammatory Effects in Human THP-1 Monocytes and in a Mouse Model of Acute Colitis. PLoS ONE, 2013, 8, e73703.	2.5	36
24	Regulation of epithelial barrier function by the inflammatory bowel disease candidate gene, PTPN2. Annals of the New York Academy of Sciences, 2012, 1257, 108-114.	3.8	35
25	Role of Protein Tyrosine Phosphatases in Regulating the Immune System. Inflammatory Bowel Diseases, 2015, 21, 645-655.	1.9	32
26	Challenges in IBD Research. Inflammatory Bowel Diseases, 2013, 19, 677-682.	1.9	31
27	VSL#3 Probiotic Stimulates T-cell Protein Tyrosine Phosphataseâ€“mediated Recovery of IFN-Î³â€“induced Intestinal Epithelial Barrier Defects. Inflammatory Bowel Diseases, 2016, 22, 2811-2823.	1.9	31
28	The JAK Inhibitor Tofacitinib Rescues Intestinal Barrier Defects Caused by Disrupted Epithelial-macrophage Interactions. Journal of Crohn's and Colitis, 2021, 15, 471-484.	1.3	30
29	Protein tyrosine phosphatase non-receptor type 2 and inflammatory bowel disease. World Journal of Gastroenterology, 2016, 22, 1034.	3.3	28
30	Consequences of Direct Versus Indirect Activation of Epidermal Growth Factor Receptor in Intestinal Epithelial Cells Are Dictated by Protein-tyrosine Phosphatase 1B. Journal of Biological Chemistry, 2007, 282, 13303-13315.	3.4	27
31	Spermidine Stimulates T Cell Protein-tyrosine Phosphatase-mediated Protection of Intestinal Epithelial Barrier Function. Journal of Biological Chemistry, 2013, 288, 32651-32662.	3.4	27
32	Loss of protein tyrosine phosphatase N2 potentiates epidermal growth factor suppression of intestinal epithelial chloride secretion. American Journal of Physiology - Renal Physiology, 2010, 299, G935-G945.	3.4	24
33	Phosphatase regulation of intercellular junctions. Tissue Barriers, 2013, 1, e26713.	3.2	23
34	T cell protein tyrosine phosphatase prevents STAT1 induction of claudinâ€2 expression in intestinal epithelial cells. Annals of the New York Academy of Sciences, 2017, 1405, 116-130.	3.8	23
35	Interferon-Î³ Alters Downstream Signaling Originating from Epidermal Growth Factor Receptor in Intestinal Epithelial Cells. Journal of Biological Chemistry, 2012, 287, 2144-2155.	3.4	22
36	Epithelial transport and gut barrier function in colitis. Current Opinion in Gastroenterology, 2003, 19, 578-582.	2.3	21

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37	Loss of PTPN22 abrogates the beneficial effect of cohousing-mediated fecal microbiota transfer in murine colitis. Mucosal Immunology, 2019, 12, 1336-1347.	6.0	21
38	Hydrogen peroxide scavenger, catalase, alleviates ion transport dysfunction in murine colitis. Clinical and Experimental Pharmacology and Physiology, 2016, 43, 1097-1106.	1.9	20
39	A Simulated Microgravity Environment Causes a Sustained Defect in Epithelial Barrier Function. Scientific Reports, 2019, 9, 17531.	3.3	18
40	T cell protein tyrosine phosphatase protects intestinal barrier function by restricting epithelial tight junction remodeling. Journal of Clinical Investigation, 2021, 131, .	8.2	18
41	JAK-STAT Pathway Regulation of Intestinal Permeability: Pathogenic Roles and Therapeutic Opportunities in Inflammatory Bowel Disease. Pharmaceuticals, 2021, 14, 840.	3.8	15
42	Hydrogen peroxide inhibits Ca 2+ â€dependent chloride secretion across colonic epithelial cells via distinct kinase signaling pathways and ion transport proteins. FASEB Journal, 2008, 22, 2023-2036.	0.5	14
43	Every breath you take: Impacts of environmental dust exposure on intestinal barrier functionâ€“from the gut-lung axis to COVID-19. American Journal of Physiology - Renal Physiology, 2021, 320, G586-G600.	3.4	14
44	Epithelial-microbial diplomacy: escalating border tensions drive inflammation in inflammatory bowel disease. Intestinal Research, 2019, 17, 177-191.	2.6	14
45	The autoimmune susceptibility gene, PTPN2, restricts expansion of a novel mouse adherent-invasive E. coli. Gut Microbes, 2020, 11, 1547-1566.	9.8	12
46	Loss of protein tyrosine phosphatase non-receptor type 2 reduces IL-4-driven alternative macrophage activation. Mucosal Immunology, 2022, 15, 74-83.	6.0	10
47	Autoimmune susceptibility gene PTPN2 is required for clearance of adherent-invasive Escherichia coli by integrating bacterial uptake and lysosomal defence. Gut, 2022, 71, 89-99.	12.1	9
48	AMPK mediates inhibition of electrolyte transport and NKCC1 activity by reactive oxygen species. American Journal of Physiology - Renal Physiology, 2019, 317, G171-G181.	3.4	8
49	A comparison of linaclotide and lubiprostone dosing regimens on ion transport responses in human colonic mucosa. Pharmacology Research and Perspectives, 2015, 3, e00128.	2.4	7
50	Induction of distinct neuroinflammatory markers and gut dysbiosis by differential pyridostigmine bromide dosing in a chronic mouse model of GWI showing persistent exercise fatigue and cognitive impairment. Life Sciences, 2022, 288, 120153.	4.3	7
51	Resveratrol Inhibits Neointimal Growth after Arterial Injury in High-Fat-Fed Rodents: The Roles of SIRT1 and AMPK. Journal of Vascular Research, 2020, 57, 325-340.	1.4	5
52	Presence of PTPN2 SNP rs1893217 Enhances the Anti-inflammatory Effect of Spermidine. Inflammatory Bowel Diseases, 2020, 26, 1038-1049.	1.9	5
53	Complement Activation of Electrogenic Ion Transport in Isolated Rat Colon. Biochemical Pharmacology, 1997, 54, 1133-1137.	4.4	4
54	JAK-STAT Pathway Regulation of Intestinal Permeability: Pathogenic Roles and Therapeutic Opportunities in Inflammatory Bowel Disease. Pharmaceuticals, 2021, 14, .	3.8	2

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55	ZOning in on Novel Roles for Zonula Occludens Proteins in Epithelial Repair. Gastroenterology, 2021, 161, 1797-1800.	1.3	1
56	Simulated microgravity modifies intestinal epithelial barrier function and alters expression of tight junction proteins. FASEB Journal, 2012, 26, 1107.4.	0.5	1
57	Finding a mate for MLCK: improving the potential for therapeutic targeting of gut permeability. Gut, 2023, 72, 814-815.	12.1	1
58	All Hands on Deck: Commensals, Th17 Cells, and Neutrophils Provide Short-term Compensation of Constitutive Permeability Defects Against Acute Infection. Cellular and Molecular Gastroenterology and Hepatology, 2017, 4, 326-327.	4.5	0
59	Hydrogen peroxide inhibits colonic epithelial ion transport by MAP kinase and PI3â€kinase (PI3K) independently of activated epidermal growth factor receptor (EGFr). FASEB Journal, 2006, 20, .	0.5	0
60	Interferonâ€gamma (IFN Î³) induced epithelial barrier dysfunction in T84 human intestinal epithelial cells (IECs) occurs via phosphatidylinositol 3â€kinase (PI3â€K) mediated activation of adenosine monophosphateâ€activated protein kinase (AMPK). FASEB Journal, 2009, 23, 978.2.	0.5	0
61	Expression of the Crohn's disease candidate gene, PTPN2, is upregulated in active Crohn's disease. FASEB Journal, 2010, 24, 998.4.	0.5	0