Kim Barrett

List of Publications by Year
in descending order

166 papers	4,948 citations	81900 39 h-index	102487 66 g-index
249 all docs	249 docs citations	249 times ranked	5345 citing authors

#	Article	IF	Citations
1	Chloride Secretion by the Intestinal Epithelium: Molecular Basis and Regulatory Aspects. Annual Review of Physiology, 2000, 62, 535-572.	13.1	428
2	Probiotics and Commensals Reverse TNF-Î±â€“ and IFN-Î³â€“Induced Dysfunction in Human Intestinal Epithelial Cells. Gastroenterology, 2006, 130, 731-746.	1.3	278
3	Long-term uncoupling of chloride secretion from intracellular calcium levels by Ins(3,4,5,6)P4. Nature, 1994, 371, 711-714.	27.8	197
4	Inhibition of Ca²⁺-dependent Cl^{âˆ’}secretion in T84 cells: membrane target(s) of inhibition is agonist specific. American Journal of Physiology - Cell Physiology, 1998, 274, C958-C965.	4.6	169
5	Carbachol Stimulates Transactivation of Epidermal Growth Factor Receptor and Mitogen-activated Protein Kinase in T84Cells. Journal of Biological Chemistry, 1998, 273, 27111-27117.	3.4	147
6	Activation of mast cells by bile acids. Gastroenterology, 1991, 101, 446-456.	1.3	146
7	Carbachol-stimulated Transactivation of Epidermal Growth Factor Receptor and Mitogen-activated Protein Kinase in T84 Cells Is Mediated by Intracellular Ca2+, PYK-2, and p60. Journal of Biological Chemistry, 2000, 275, 12619-12625.	3.4	132
8	Role of Na+/Ca2+exchange in regulating cytosolic Ca2+in cultured human pulmonary artery smooth muscle cells. American Journal of Physiology - Cell Physiology, 2005, 288, C245-C252.	4.6	119
9	Epithelial dysfunction associated with the development of colitis in conventionally housed mdr1aâˆ’/âˆ’ mice. American Journal of Physiology - Renal Physiology, 2005, 289, G153-G162.	3.4	118
10	Probiotics normalize the gut-brain-microbiota axis in immunodeficient mice. American Journal of Physiology - Renal Physiology, 2014, 307, G793-G802.	3.4	114
11	Enteroinvasive bacteria alter barrier and transport properties of human intestinal epithelium: Role of iNOS and COX-2. Gastroenterology, 2002, 122, 1070-1087.	1.3	113
12	Modulation of the microbiota-gut-brain axis by probiotics in a murine model of inflammatory bowel disease. American Journal of Physiology - Renal Physiology, 2016, 310, G989-G998.	3.4	107
13	Phosphatidylinositol 3-Kinase Mediates the Inhibitory Effect of Epidermal Growth Factor on Calcium-dependent Chloride Secretion. Journal of Biological Chemistry, 1996, 271, 26588-26595.	3.4	102
14	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
15	Pathophysiology, Evaluation, and Management of Chronic Watery Diarrhea. Gastroenterology, 2017, 152, 515-532.e2.	1.3	102
16	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
17	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
18	Pharmacological correction of a defect in PPAR-Î³ signaling ameliorates disease severity in Cftr-deficient mice. Nature Medicine, 2010, 16, 313-318.	30.7	88

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19	The Role of Ion Transporters in the Pathophysiology of InfectiousÂDiarrhea. Cellular and Molecular Gastroenterology and Hepatology, 2018, 6, 33-45.	4.5	85
20	Should We Divide Crohnâ€™s Disease Into Ileum-Dominant and Isolated Colonic Diseases?. Clinical Gastroenterology and Hepatology, 2019, 17, 2634-2643.	4.4	85
21	Modulation of chloride secretory responses and barrier function of intestinal epithelial cells by theSalmonellaeffector protein SigD. American Journal of Physiology - Cell Physiology, 2004, 287, C939-C948.	4.6	58
22	Bile acid-induced secretion in polarized monolayers of T84 colonic epithelial cells: structure-activity relationships. American Journal of Physiology - Renal Physiology, 2007, 292, G290-G297.	3.4	58
23	Gs Protein-coupled Receptor Agonists Induce Transactivation of the Epidermal Growth Factor Receptor in T84 Cells. Journal of Biological Chemistry, 2004, 279, 6271-6279.	3.4	55
24	Epidermal Growth Factor Partially Restores Colonic Ion Transport Responses in Mouse Models of Chronic Colitis. Gastroenterology, 2005, 129, 591-608.	1.3	55
25	A Role for Protein Kinase Cîµ in the Inhibitory Effect of Epidermal Growth Factor on Calcium-stimulated Chloride Secretion in Human Colonic Epithelial Cells. Journal of Biological Chemistry, 2000, 275, 21169-21176.	3.4	54
26	Varied role of the gut epithelium in mucosal homeostasis. Current Opinion in Gastroenterology, 2007, 23, 647-654.	2.3	54
27	Calcium-sensing receptor modulates extracellular Ca²⁺ entry via TRPC-encoded receptor-operated channels in human aortic smooth muscle cells. American Journal of Physiology - Cell Physiology, 2011, 301, C461-C468.	4.6	49
28	Activation by calcium alone of chloride secretion in T₈₄ epithelial cells. British Journal of Pharmacology, 1993, 109, 510-517.	5.4	48
29	Cloning, Expression, Signaling Mechanisms, and Membrane Targeting of P2Y₁₁Receptors in Madin Darby Canine Kidney Cells. Molecular Pharmacology, 2001, 60, 26-35.	2.3	48
30	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
31	Nodâ€like receptors are critical for gutâ€"brain axis signalling in mice. Journal of Physiology, 2019, 597, 5777-5797.	2.9	48
32	Hypercapnia Suppresses the HIF-dependent Adaptive Response to Hypoxia. Journal of Biological Chemistry, 2016, 291, 11800-11808.	3.4	47
33	p38 mitogen-activated protein kinase inhibits calcium-dependent chloride secretion in T₈₄colonic epithelial cells. American Journal of Physiology - Cell Physiology, 2003, 284, C339-C348.	4.6	45
34	Epidermal Growth Factor Partially Restores Colonic Ion Transport Responses in Mouse Models of Chronic Colitis. Gastroenterology, 2005, 129, 591-608.	1.3	44
35	5-HT induces duodenal mucosal bicarbonate secretion via cAMP- and Ca2+-dependent signaling pathways and 5-HT4 receptors in mice. American Journal of Physiology - Renal Physiology, 2004, 286, G444-G451.	3.4	43
36	ErbB2 and ErbB3 Receptors Mediate Inhibition of Calcium-dependent Chloride Secretion in Colonic Epithelial Cells. Journal of Biological Chemistry, 1999, 274, 33449-33454.	3.4	42

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37	Effects of quercetin on epithelial chloride secretion. Life Sciences, 1997, 61, 2049-2055.	4.3	40
38	New ways of thinking about (and teaching about) intestinal epithelial function. American Journal of Physiology - Advances in Physiology Education, 2008, 32, 25-34.	1.6	40
39	Prolonged interferon-Î³ exposure decreases ion transport, NKCC1, and Na+-K+-ATPase expression in human intestinal xenografts in vivo. American Journal of Physiology - Renal Physiology, 2004, 286, G157-G165.	3.4	39
40	SDF-1/CXCL12 regulates cAMP production and ion transport in intestinal epithelial cells via CXCR4. American Journal of Physiology - Renal Physiology, 2004, 286, G844-G850.	3.4	37
41	Mutation of EpCAM leads to intestinal barrier and ion transport dysfunction. Journal of Molecular Medicine, 2015, 93, 535-545.	3.9	37
42	Mast cells are not essential to inflammation in murine model of colitis. Digestive Diseases and Sciences, 1994, 39, 513-525.	2.3	36
43	Interferon-Î³ activates EGF receptor and increases TGF-Î± in T84 cells: implications for chloride secretion. American Journal of Physiology - Renal Physiology, 2002, 283, G923-G931.	3.4	35
44	Modulation of Intestinal Barrier Properties by Probiotics: Role in Reversing Colitis. Annals of the New York Academy of Sciences, 2009, 1165, 175-182.	3.8	35
45	Na+/Ca2+ exchange regulates Ca2+-dependent duodenal mucosal ion transport and HCO3âˆ’ secretion in mice. American Journal of Physiology - Renal Physiology, 2005, 288, G457-G465.	3.4	33
46	Human evolutionary loss of epithelial Neu5Gc expression and species-specific susceptibility to cholera. PLoS Pathogens, 2018, 14, e1007133.	4.7	33
47	A prebiotic fructo-oligosaccharide promotes tight junction assembly in intestinal epithelial cells via an AMPK-dependent pathway. Biomedicine and Pharmacotherapy, 2020, 129, 110415.	5.6	33
48	Regulation of Chloride Secretion: Novel Pathways and Messengers. Annals of the New York Academy of Sciences, 2000, 915, 67-76.	3.8	31
49	Heat-stable enterotoxin ofEscherichia colistimulates a non-CFTR-mediated duodenal bicarbonate secretory pathway. American Journal of Physiology - Renal Physiology, 2005, 288, G654-G663.	3.4	29
50	Salmonella Infection Induces a Hypersecretory Phenotype in Human Intestinal Xenografts by Inducing Cyclooxygenase 2. Infection and Immunity, 2003, 71, 2102-2109.	2.2	28
51	Histamine release from rodent and human mast cells induced by protoporphyrin and ultraviolet light: studies of the mechanism of mast-cell activation in erythropoietic protoporphyria. British Journal of Dermatology, 1990, 122, 501-512.	1.5	27
52	Inhibition of epithelial chloride secretion by butyrate: role of reduced adenylyl cyclase expression and activity. American Journal of Physiology - Cell Physiology, 2001, 281, C1837-C1849.	4.6	27
53	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
54	Heatâ€stable enterotoxin of<i>Escherichia coli</i>(STa) can stimulate duodenal HCO₃^{âˆ’}secretion<i>via</i>a novel GCâ€Câ€•and CFTRâ€independent pathway. FASEB Journal, 2008, 22, 1306-1316.	0.5	27

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55	Phosphatidylinositol 3-Kinase-dependent Pathways Oppose Fas-induced Apoptosis and Limit Chloride Secretion in Human Intestinal Epithelial Cells. Journal of Biological Chemistry, 2001, 276, 47563-47574.	3.4	23
56	5â€Hydroxytryptamine contributes significantly to a reflex pathway by which the duodenal mucosa protects itself from gastric acid injury. FASEB Journal, 2006, 20, 2486-2495.	0.5	23
57	Upregulation of activin signaling in experimental colitis. American Journal of Physiology - Renal Physiology, 2009, 297, G768-G780.	3.4	23
58	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
59	Growth hormone reduces chloride secretion in human colonic epithelial cells via EGF receptor and extracellular regulated kinase1 1The authors thank Ms. Glenda Wheeler for assistance with manuscript submission.. Gastroenterology, 2003, 125, 1114-1124.	1.3	21
60	Epithelial transport and gut barrier function in colitis. Current Opinion in Gastroenterology, 2003, 19, 578-582.	2.3	21
61	Hydroxylase inhibition regulates inflammation-induced intestinal fibrosis through the suppression of ERK-mediated TGF-Î²1 signaling. American Journal of Physiology - Renal Physiology, 2016, 311, G1076-G1090.	3.4	21
62	Hydrogen peroxide scavenger, catalase, alleviates ion transport dysfunction in murine colitis. Clinical and Experimental Pharmacology and Physiology, 2016, 43, 1097-1106.	1.9	20
63	Pharmacological Aspects of Therapy in Inflammatory Bowel Diseases. Journal of Clinical Gastroenterology, 1988, 10, 57-63.	2.2	19
64	Cytokines: sources, receptors and signalling. Bailliere's Clinical Gastroenterology, 1996, 10, 1-15.	0.9	19
65	Differential effects of apical and basolateral uridine triphosphate on intestinal epithelial chloride secretion. American Journal of Physiology - Cell Physiology, 2001, 280, C1431-C1439.	4.6	19
66	Interleukin 9 Alters Epithelial Barrier and Eâ€cadherin in Eosinophilic Esophagitis. Journal of Pediatric Gastroenterology and Nutrition, 2019, 68, 225-231.	1.8	19
67	Fluid and electrolyte secretion in the inflamed gut: novel targets for treatment of inflammation-induced diarrhea. Current Opinion in Pharmacology, 2013, 13, 895-899.	3.5	18
68	Potentiation of calciumâ€activated chloride secretion and barrier dysfunction may underlie EGF receptor tyrosine kinase inhibitorâ€induced diarrhea. Physiological Reports, 2020, 8, e14490.	1.7	18
69	T cell protein tyrosine phosphatase protects intestinal barrier function by restricting epithelial tight junction remodeling. Journal of Clinical Investigation, 2021, 131, .	8.2	18
70	Transactivation of the epidermal growth factor receptor mediates muscarinic stimulation of focal adhesion kinase in intestinal epithelial cells. Journal of Cellular Physiology, 2005, 203, 103-110.	4.1	17
71	Utility of endoscopic biopsy samples to quantitate human duodenal ion transport. Translational Research, 1998, 132, 512-518.	2.3	16
72	Integrative Physiology and Pathophysiology of Intestinal Electrolyte Transport. , 2006, , 1931-1951.		16

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73	New insights into the pathogenesis of intestinal dysfunction: secretory diarrhea and cystic fibrosis. World Journal of Gastroenterology, 2000, 6, 470-474.	3.3	16
74	Effect of Histamine and Other Mast Cell Mediators on T84Epithelial Cells. Annals of the New York Academy of Sciences, 1992, 664, 222-231.	3.8	14
75	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
76	Apical leptin induces chloride secretion by intestinal epithelial cells and in a rat model of acute chemotherapy-induced colitis. American Journal of Physiology - Renal Physiology, 2010, 298, G714-G721.	3.4	14
77	Salmonella-induced Diarrhea Occurs in the Absence of IL-8 Receptor (CXCR2)-Dependent Neutrophilic Inflammation. Journal of Infectious Diseases, 2015, 212, 128-136.	4.0	14
78	Claudin-2 pore causes leak that breaches the dam in intestinal inflammation. Journal of Clinical Investigation, 2020, 130, 5100-5101.	8.2	14
79	Inhibition of rabbit duodenal bicarbonate secretion by ulcerogenic agents: Histamine-dependent and -independent effects. Gastroenterology, 1998, 114, 527-535.	1.3	13
80	Enteroids expressing a disease-associated mutant of EpCAM are a model for congenital tufting enteropathy. American Journal of Physiology - Renal Physiology, 2019, 317, G580-G591.	3.4	13
81	Bioactivatable derivatives of 8-substituted cAMP-analogues. Bioorganic and Medicinal Chemistry Letters, 1997, 7, 945-948.	2.2	12
82	A Role for CagA/VacA in Helicobacter pylori Inhibition of Murine Duodenal Mucosal Bicarbonate Secretion. Digestive Diseases and Sciences, 2004, 49, 1845-1852.	2.3	12
83	Endogenous and exogenous control of gastrointestinal epithelial function: building on the legacy of Bayliss and Starling. Journal of Physiology, 2017, 595, 423-432.	2.9	12
84	Intestinal secretory mechanisms and diarrhea. American Journal of Physiology - Renal Physiology, 2022, 322, G405-G420.	3.4	12
85	Insulin and IGF-I inhibit calcium-dependent chloride secretion by T84 human colonic epithelial cells. American Journal of Physiology - Renal Physiology, 2001, 281, G129-G137.	3.4	11
86	Protein kinase C potentiates cAMP-stimulated mouse duodenal mucosal bicarbonate secretion in vitro. American Journal of Physiology - Renal Physiology, 2004, 286, G814-G821.	3.4	11
87	Influence of the microbiota on host physiology â€" moving beyond the gut. Journal of Physiology, 2017, 595, 433-435.	2.9	11
88	Histamine inhibits prostaglandin E2-stimulated rabbit duodenal bicarbonate secretion via H2 receptors and enteric nerves. Gastroenterology, 1995, 108, 1676-1682.	1.3	10
89	Probiotic inhibition of the entry of enteroinvasive E. coli into, human intestinal epithelial cells involves both Rho-dependent and -independent pathways. Gastroenterology, 2003, 124, A106.	1.3	10
90	Modulation of human cutaneous mast cell responsiveness by a single, low-dose, PUVA treatment. Journal of Allergy and Clinical Immunology, 1991, 88, 395-401.	2.9	9

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91	A new twist on trefoils. Focus on â€œTFF3 modulates NF-ÎºB and a novel regulatory molecule of NF-ÎºB in intestinal epithelial cells via a mechanism distinct from TNF-Î±â€. American Journal of Physiology - Cell Physiology, 2005, 289, C1069-C1071.	4.6	9
92	Epithelial biology in the gastrointestinal system: insights into normal physiology and disease pathogenesis. Journal of Physiology, 2012, 590, 419-420.	2.9	9
93	Reports of Physiology's Demise Have Been Greatly Exaggerated. Physiology, 2013, 28, 360-362.	3.1	9
94	Effect of the diglyceride lipase inhibitor, RG80267, on epithelial chloride secretion induced by various agents. Cellular Signalling, 1995, 7, 225-233.	3.6	8
95	Promoting Physiology as an Essential Element in Translational Research. Physiology, 2012, 27, 326-326.	3.1	8
96	Congenital Tufting Enteropathy-Associated Mutant of Epithelial Cell Adhesion Molecule Activates the Unfolded Protein Response in a Murine Model of the Disease. Cells, 2020, 9, 946.	4.1	8
97	Lactobacillus commensals autochthonous to human milk have the hallmarks of potent probiotics. Microbiology (United Kingdom), 2020, 166, 966-980.	1.8	8
98	Epithelial transport in digestive diseases: mice, monolayers, and mechanisms. American Journal of Physiology - Cell Physiology, 2020, 318, C1136-C1143.	4.6	7
99	Hypertonic saline reduces neutrophil-epithelial interactions in vitro and gut tissue damage in a mouse model of colitis. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R1839-R1845.	1.8	6
100	Building better bugs to deliver biologics in intestinal inflammation. Gut, 2010, 59, 427-428.	12.1	6
101	Neuroimmune regulation of human intestinal transport. Gastroenterology, 1993, 105, 934-936.	1.3	5
102	Preparing Your Curriculum Vitae. Journal of Pediatric Gastroenterology and Nutrition, 2002, 34, 362-365.	1.8	5
103	Role of protein phosphatase 2A in calcium-dependent chloride secretion by human colonic epithelial cells. American Journal of Physiology - Cell Physiology, 2007, 292, C452-C459.	4.6	5
104	Reproducibility and data presentation. Journal of Physiology, 2019, 597, 5313-5313.	2.9	5
105	Impact of statins on vascular smooth muscle cells and relevance to atherosclerosis. Journal of Physiology, 2020, 598, 2295-2296.	2.9	5
106	A potentially probiotic strain of Enterococcus faecalis from human milk that is avirulent, antibiotic sensitive, and nonbreaching of the gut barrier. Archives of Microbiology, 2022, 204, 158.	2.2	5
107	Comparison of early signaling events and physiological consequences in Salmonella typhimurium-and typhi-infected intestinal epithelial cells. Gastroenterology, 2003, 124, A476.	1.3	4
108	Aberrant Epithelial Differentiation Contributes to Pathogenesis in a Murine Model of Congenital Tufting Enteropathy. Cellular and Molecular Gastroenterology and Hepatology, 2021, 12, 1353-1371.	4.5	4

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109	â€œIt's ugly, but there it is.â€‰.â€‰.â€‰.â€‰.â€• American Journal of Physiology - Cell Physiology, 2000, 278, C627-C628.	4.6	3
110	Altered chloride secretory responses in HT29/Cl.19A cells infected with giardia lamblia. Gastroenterology, 2000, 118, A684.	1.3	3
111	The yin and yang of intestinal differentiation: Key roles for lipid signaling. Gastroenterology, 2001, 120, 1543-1546.	1.3	3
112	Rethinking cholera pathogenesis- No longer all in the same â€œcampâ€• Virulence, 2016, 7, 751-753.	4.4	3
113	Increased expression of nitric oxide synthase (iNOS) and cyclooxygenase-2 (COX-2) is associated with enhanced chloride secretion in cells infected with enteroinvasive bacteria. Gastroenterology, 2000, 118, A818.	1.3	2
114	Calcium-mediated chloride secretion in the intestinal epithelium: Significance and regulation. Current Topics in Membranes, 2002, 53, 257-282.	0.9	2
115	Probiotics and commensals reverse TNF-Î±-and IFN-Î³-induced dysfunction in human intestinal epithelial cells. Gastroenterology, 2003, 124, A477.	1.3	2
116	The world within â€“ impact of the intestinal micobiota on whole body physiology and pathophysiology. Journal of Physiology, 2009, 587, 4151-4151.	2.9	2
117	Success as a PhD in Gastroenterology. Gastroenterology, 2012, 143, 278-281.	1.3	2
118	New frontiers in gastrointestinal physiology and pathophysiology. Journal of Physiology, 2018, 596, 3859-3860.	2.9	2
119	Diarrhoeal pathogenesis in <i>Salmonella</i> infection may result from an imbalance in intestinal epithelial differentiation through reduced Notch signalling. Journal of Physiology, 2022, 600, 1851-1865.	2.9	2
120	Cytokine Interactions with Epithelium. Canadian Journal of Gastroenterology & Hepatology, 1996, 10, 323-328.	1.7	1
121	Human intestinal xenografts as a new model for ion transport studies. Gastroenterology, 2000, 118, A604.	1.3	1
122	Natural history of colitis and associated epithelial dysfunction in conventionally housed Mdrla-/-mice. Gastroenterology, 2003, 124, A480.	1.3	1
123	Acute activation of Gq protein-coupled receptors elicits chronic inhibition of colonic epithelial ClÈ¡ secretion. Gastroenterology, 2003, 124, A306.	1.3	1
124	Role of Salmonella effector proteins SipB and SipC in altered barrier and transport properties of human intestinal epithelium. Gastroenterology, 2003, 124, A112.	1.3	1
125	How Can we Battle the Scourge of Diarrhea? 2003 Mckenna Memorial Lecture. Canadian Journal of Gastroenterology & Hepatology, 2003, 17, 667-672.	1.7	1
126	Posthumous presentation of the Julius M. Friedenwald Medal to Jon I. Isenberg, M.D.. Gastroenterology, 2004, 126, 1884-1889.	1.3	1

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127	Congratulations, APS! 125 and counting â€¦. Journal of Physiology, 2012, 590, 1771-1772.	2.9	1
128	P-188â€ƒNod Receptors Modulate the Microbiota-Gut-Brain Axis. Inflammatory Bowel Diseases, 2016, 22, S66.	1.9	1
129	Mapping the Duodenal Crypt-Villus Transport Axis. Cellular and Molecular Gastroenterology and Hepatology, 2018, 5, 642-644.	4.5	1
130	DRAwing Conclusions About the Basis of Diarrhea in Inflammatory Bowel Disease. Digestive Diseases and Sciences, 2020, 65, 1581-1583.	2.3	1
131	Mechanisms for amplified mediator release from colonic mast cells: Implications for interstinal inflammatory diseases. World Journal of Gastroenterology, 2004, 10, 617.	3.3	1
132	Salmonella dublin infection inhibits chloride secretion in T84 cells. Gastroenterology, 2000, 118, A813.	1.3	0
133	Carbachol activates p38 MAP kinase in T84 cells: Implications for carbachol-stimulated chloride secretion. Gastroenterology, 2000, 118, A871.	1.3	0
134	Protein kinase CE mediates the inhmitory effect of epidermal growth factor on carbachol-induced chloride secretion in T84 epithelial cells. Gastroenterology, 2000, 118, A605.	1.3	0
135	Protein phosphatase 2A participates in effect of epidermal growth factor on phosphatidylinositol 3-kinase: Role in ion transport. Gastroenterology, 2001, 120, A22.	1.3	0
136	Decreased ion transport and NKCC-1 levels in interferon-gamma treated human intestinal xenografts. Gastroenterology, 2001, 120, A193.	1.3	0
137	Guanylate cyclase C (GC-C) mediates acid-stimulated duodenal mucosal bicarbonate secretion (DMBS). Gastroenterology, 2001, 120, A527.	1.3	0
138	Rotavirus infection induces increased chloride secretion, altered barrier function and epidermal growth factor receptor (EGF-R) polyubiquitination in intestinal epithelial cells (IEC). Gastroenterology, 2001, 120, A704-A705.	1.3	0
139	New Insights into Gastrointestinal and Liver Diseases Based on Molecular Aspects of Transport Physiology. Journal of Investigative Medicine, 2002, 50, 234-235.	1.6	0
140	JAK2 mediates the negative regulation of calcium-dependent chloride secretion by growth hormone in human colonic epithelial cells. Gastroenterology, 2003, 124, A313.	1.3	0
141	Epidermal growth factor, transforming growth factor-Î±, and carbachol display differences in specific epidermal growth factor receptor tyrosine residue phosphorylation, and dependence on PI3-kinase to inhibit chloride secretion. Gastroenterology, 2003, 124, A118-A119.	1.3	0
142	Loosening the Ties That Bindâ€"Novel Strategy to Enhance Oral Bioavailability. Molecular Pharmacology, 2003, 64, 1279-1282.	2.3	0
143	Microcompetition with Foreign DNA and the Origin of Chronic Disease (reivew). Perspectives in Biology and Medicine, 2005, 48, 143-146.	0.5	0
144	A Joy for (the Science of) Life!. Physiology, 2014, 29, 382-383.	3.1	0

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145	570 In Vivo PTPN2-Deficiency and a Dominant-Negative PTPN2 Mutation Cause Increased Intestinal Permeability and Alter Tight Junction Composition. Gastroenterology, 2014, 146, S-105.	1.3	0
146	Martin F. Kagnoff, MD, January 19, 1941â€"November 16, 2014. Gastroenterology, 2015, 148, 457-458.	1.3	0
147	Changing of the Guard. Journal of Physiology, 2016, 594, 1795-1796.	2.9	0
148	Reflecting on a year of change and the year ahead. Journal of Physiology, 2017, 595, 2399-2404.	2.9	0
149	Looking to and nurturing the future of physiology. Journal of Physiology, 2017, 595, 7263-7264.	2.9	0
150	A New Target to Treat Diarrhea in Cholera?. Journal of Infectious Diseases, 2019, 220, 1711-1712.	4.0	0
151	Relieving tension: effects of cannabinoids on vagal afferent sensitivity. Journal of Physiology, 2020, 598, 5-6.	2.9	0
152	A Pathobiont Fragments Mitochondrial Networks in Epithelial Cells: Implications for Crohnâ€™s Disease. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 665-666.	4.5	0
153	Gastrointestinal jabberwocky to bioengineering design: using function diagrams to teach physiology. American Journal of Physiology - Advances in Physiology Education, 2021, 45, 264-268.	1.6	0
154	The Future of Pediatric Research Looks Bright. Journal of Pediatric Gastroenterology and Nutrition, 2001, 32, 118-119.	1.8	0
155	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
156	Hydrogen peroxide inhibits carbacholâ€stimulated colonic epithelial ion transport by adenosine monophosphateâ€activated protein kinase activation, without abolishing carbacholâ€stimulated Ca2+ signal. FASEB Journal, 2007, 21, A1320.	0.5	0
157	Inhibition of Adenosine Monophosphateâ€activated Protein Kinase (AMPK) ameliorates the effects of Interferon gamma (IFN gamma) on epithelial barrier function in T84 cells. FASEB Journal, 2008, 22, 1189.10.	0.5	0
158	Acute Treatment of Isolated Colon with The Hydrogen Peroxide Scavenger, Catalase, Alleviates Ion Transport Dysfunction in Murine DSS Colitis. FASEB Journal, 2008, 22, 1189.11.	0.5	0
159	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
160	Physiological Regulation of Gastrointestinal Ion Transport. , 0, , 241-266.		0
161	Nod1/Nod2 Receptors Modulate the Microbiotaâ€Gutâ€Brain Axis. FASEB Journal, 2015, 29, 857.4.	0.5	0
162	Stress and the gut â€" itâ€™s not all in your mind. , 2017, , 28-30.		0

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163	Protective Effects of Human Milk Oligosaccharides on Intestinal Epithelial Function Assessed in Enteroidâ€Derived Monolayers. FASEB Journal, 2018, 32, 873.22.	0.5	0
164	Presentation of the Julius M. Friedenwald Medal to Gail A. Hecht, MD, MS. Gastroenterology, 2020, 158, 2282-2285.	1.3	0
165	The end of an era. Journal of Physiology, 2022, 600, 1267-1268.	2.9	0
166	Regulation of the Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) by the Nuclear Bile Acid Receptor, Farnesoid X Receptor. FASEB Journal, 2022, 36, .	0.5	0