Jerrold R Turner

List of Publications by Year
in descending order

341 papers	30,343 citations	4388 86 h-index	5394 164 g-index
378 all docs	378 docs citations	378 times ranked	27280 citing authors

#	Article	IF	Citations
1	Intestinal mucosal barrier function in health and disease. Nature Reviews Immunology, 2009, 9, 799-809.	22.7	2,795
2	The intestinal epithelial barrier: a therapeutic target?. Nature Reviews Gastroenterology and Hepatology, 2017, 14, 9-21.	17.8	786
3	Tight Junction Pore and Leak Pathways: A Dynamic Duo. Annual Review of Physiology, 2011, 73, 283-309.	13.1	720
4	Interferon-Î³ and Tumor Necrosis Factor-Î± Synergize to Induce Intestinal Epithelial Barrier Dysfunction by Up-Regulating Myosin Light Chain Kinase Expression. American Journal of Pathology, 2005, 166, 409-419.	3.8	593
5	Epithelial Barriers in Homeostasis and Disease. Annual Review of Pathology: Mechanisms of Disease, 2010, 5, 119-144.	22.4	498
6	Molecular Basis of Epithelial Barrier Regulation. American Journal of Pathology, 2006, 169, 1901-1909.	3.8	497
7	Physiological regulation of epithelial tight junctions is associated with myosin light-chain phosphorylation. American Journal of Physiology - Cell Physiology, 1997, 273, C1378-C1385.	4.6	465
8	Cell Biology of Tight Junction Barrier Regulation and Mucosal Disease. Cold Spring Harbor Perspectives in Biology, 2018, 10, a029314.	5.5	434
9	A porous defense: the leaky epithelial barrier in intestinal disease. Laboratory Investigation, 2004, 84, 282-291.	3.7	423
10	Rho protein regulates tight junctions and perijunctional actin organization in polarized epithelia.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 10629-10633.	7.1	398
11	Targeted Epithelial Tight Junction Dysfunction Causes Immune Activation and Contributes to Development of Experimental Colitis. Gastroenterology, 2009, 136, 551-563.	1.3	393
12	Caveolin-1â€"dependent occludin endocytosis is required for TNF-induced tight junction regulation in vivo. Journal of Cell Biology, 2010, 189, 111-126.	5.2	390
13	Myosin light chain phosphorylation regulates barrier function by remodeling tight junction structure. Journal of Cell Science, 2006, 119, 2095-2106.	2.0	389
14	Purification and characterization of a membrane protein (gp45-70) that is a cofactor for cleavage of C3b and C4b.. Journal of Experimental Medicine, 1986, 163, 837-855.	8.5	388
15	Hypoxia-Inducible Factor 1â€"Dependent Induction of Intestinal Trefoil Factor Protects Barrier Function during Hypoxia. Journal of Experimental Medicine, 2001, 193, 1027-1034.	8.5	386
16	Epithelial myosin light chain kinase-dependent barrier dysfunction mediates T cell activation-induced diarrhea in vivo. Journal of Clinical Investigation, 2005, 115, 2702-2715.	8.2	346
17	CD95 promotes tumour growth. Nature, 2010, 465, 492-496.	27.8	339
18	A membrane-permeant peptide that inhibits MLC kinase restores barrier function in in vitro models of intestinal disease. Gastroenterology, 2002, 123, 163-172.	1.3	337

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19	The tight junction protein complex undergoes rapid and continuous molecular remodeling at steady state. Journal of Cell Biology, 2008, 181, 683-695.	5.2	309
20	Mechanism of IFN-Î³-induced Endocytosis of Tight Junction Proteins: Myosin II-dependent Vacuolarization of the Apical Plasma Membrane. Molecular Biology of the Cell, 2005, 16, 5040-5052.	2.1	305
21	Tight Junction Proteins Claudin-1 and Occludin Control Hepatitis C Virus Entry and Are Downregulated during Infection To Prevent Superinfection. Journal of Virology, 2009, 83, 2011-2014.	3.4	303
22	Recognition of Host Immune Activation by Pseudomonas aeruginosa. Science, 2005, 309, 774-777.	12.6	301
23	Clostridium difficile Toxins Disrupt Epithelial Barrier Function by Altering Membrane Microdomain Localization of Tight Junction Proteins. Infection and Immunity, 2001, 69, 1329-1336.	2.2	300
24	TNFR2 Activates MLCK-Dependent Tight Junction Dysregulation to Cause Apoptosis-Mediated Barrier Loss and Experimental Colitis. Gastroenterology, 2013, 145, 407-415.	1.3	300
25	Claudin-1 and claudin-2 expression is elevated in inflammatory bowel disease and may contribute to early neoplastic transformation. Laboratory Investigation, 2008, 88, 1110-1120.	3.7	297
26	Actin Depolymerization Disrupts Tight Junctions via Caveolae-mediated Endocytosis. Molecular Biology of the Cell, 2005, 16, 3919-3936.	2.1	293
27	Loss of intestinal core 1â€"derived O-glycans causes spontaneous colitis in mice. Journal of Clinical Investigation, 2011, 121, 1657-1666.	8.2	285
28	Intestinal Permeability Defects: Is It Time to Treat?. Clinical Gastroenterology and Hepatology, 2013, 11, 1075-1083.	4.4	282
29	Myosin light chain kinase: pulling the strings of epithelial tight junction function. Annals of the New York Academy of Sciences, 2012, 1258, 34-42.	3.8	269
30	IFN-Î³-Induced TNFR2 Expression Is Required for TNF-Dependent Intestinal Epithelial Barrier Dysfunction. Gastroenterology, 2006, 131, 1153-1163.	1.3	268
31	Tight Junctionâ€"associated MARVEL Proteins MarvelD3, Tricellulin, and Occludin Have Distinct but Overlapping Functions. Molecular Biology of the Cell, 2010, 21, 1200-1213.	2.1	264
32	Epithelial myosin light chain kinase expression and activity are upregulated in inflammatory bowel disease. Laboratory Investigation, 2006, 86, 191-201.	3.7	251
33	Dysbiosisâ€induced intestinal inflammation activates tumor necrosis factor receptor I and mediates alcoholic liver disease in mice. Hepatology, 2015, 61, 883-894.	7.3	245
34	Inflammation Is an Independent Risk Factor for Colonic Neoplasia in Patients With Ulcerative Colitis: A Caseâ€"Control Study. Clinical Gastroenterology and Hepatology, 2013, 11, 1601-1608.e4.	4.4	241
35	Anti-inflammatory Effects of Phosphatidylcholine. Journal of Biological Chemistry, 2007, 282, 27155-27164.	3.4	236
36	The Epithelial Barrier Is Maintained by In Vivo Tight Junction Expansion During Pathologic Intestinal Epithelial Shedding. Gastroenterology, 2011, 140, 1208-1218.e2.	1.3	234

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37	The tight junction in inflammatory disease: communication breakdown. Current Opinion in Pharmacology, 2009, 9, 715-720.	3.5	231
38	Epithelial Myosin Light Chain Kinase Activation Induces Mucosal Interleukin-13 Expression to Alter Tight Junction Ion Selectivity. Journal of Biological Chemistry, 2010, 285, 12037-12046.	3.4	227
39	MLCK-dependent exchange and actin binding region-dependent anchoring of ZO-1 regulate tight junction barrier function. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8237-8241.	7.1	218
40	Lactobacillus accelerates ISCs regeneration to protect the integrity of intestinal mucosa through activation of STAT3 signaling pathway induced by LPLs secretion of IL-22. Cell Death and Differentiation, 2018, 25, 1657-1670.	11.2	218
41	Evaluation of Diffusion-weighted MR Imaging for Detection of Bowel Inflammation in Patients with Crohn's Disease. Academic Radiology, 2009, 16, 597-603.	2.5	217
42	Coxsackievirus Entry across Epithelial Tight Junctions Requires Occludin and the Small GTPases Rab34 and Rab5. Cell Host and Microbe, 2007, 2, 181-192.	11.0	213
43	Occludin S408 phosphorylation regulates tight junction protein interactions and barrier function. Journal of Cell Biology, 2011, 193, 565-582.	5.2	210
44	Hepatic Injury in Nonalcoholic Steatohepatitis Contributes to Altered Intestinal Permeability. Cellular and Molecular Gastroenterology and Hepatology, 2015, 1, 222-232.e2.	4.5	209
45	PKCÎ· regulates occludin phosphorylation and epithelial tight junction integrity. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 61-66.	7.1	203
46	Bifidobacteria Stabilize Claudins at Tight Junctions and Prevent Intestinal Barrier Dysfunction in Mouse Necrotizing Enterocolitis. American Journal of Pathology, 2013, 182, 1595-1606.	3.8	196
47	The response of the Golgi complex to microtubule alterations: the roles of metabolic energy and membrane traffic in Golgi complex organization.. Journal of Cell Biology, 1989, 109, 2081-2088.	5.2	189
48	Characterization of epithelial cell shedding from human small intestine. Laboratory Investigation, 2006, 86, 1052-1063.	3.7	181
49	Coordinated epithelial NHE3 inhibition and barrier dysfunction are required for TNF-mediated diarrhea in vivo. Journal of Clinical Investigation, 2006, 116, 2682-2694.	8.2	181
50	The role of molecular remodeling in differential regulation of tight junction permeability. Seminars in Cell and Developmental Biology, 2014, 36, 204-212.	5.0	179
51	The mucosal barrier at a glance. Journal of Cell Science, 2017, 130, 307-314.	2.0	179
52	IL-22ÂUpregulates Epithelial Claudin-2 to Drive Diarrhea and Enteric Pathogen Clearance. Cell Host and Microbe, 2017, 21, 671-681.e4.	11.0	178
53	Phosphorylation of Tyr-398 and Tyr-402 in Occludin Prevents Its Interaction with ZO-1 and Destabilizes Its Assembly at the Tight Junctions. Journal of Biological Chemistry, 2009, 284, 1559-1569.	3.4	176
54	Dynorphin Activates Quorum Sensing Quinolone Signaling in Pseudomonas aeruginosa. PLoS Pathogens, 2007, 3, e35.	4.7	170

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55	Oncogenic Forms of NOTCH1 Lacking Either the Primary Binding Site for RBP-JÎº or Nuclear Localization Sequences Retain the Ability to Associate with RBP-JÎº and Activate Transcription. Journal of Biological Chemistry, 1997, 272, 11336-11343.	3.4	164
56	â€˜Putting the squeezeâ€™ on the tight junction: understanding cytoskeletal regulation. Seminars in Cell and Developmental Biology, 2000, 11, 301-308.	5.0	158
57	Helicobacter pylori Dysregulation of Gastric Epithelial Tight Junctions by Urease-Mediated Myosin II Activation. Gastroenterology, 2009, 136, 236-246.	1.3	158
58	LIGHT Signals Directly to Intestinal Epithelia to Cause Barrier Dysfunction via Cytoskeletal and Endocytic Mechanisms. Gastroenterology, 2007, 132, 2383-2394.	1.3	157
59	Histologic Normalization Occurs in Ulcerative Colitis and Is Associated With Improved Clinical Outcomes. Clinical Gastroenterology and Hepatology, 2017, 15, 1557-1564.e1.	4.4	157
60	Listeria Adhesion Protein Induces Intestinal Epithelial Barrier Dysfunction for Bacterial Translocation. Cell Host and Microbe, 2018, 23, 470-484.e7.	11.0	156
61	A Differentiation-dependent Splice Variant of Myosin Light Chain Kinase, MLCK1, Regulates Epithelial Tight Junction Permeability. Journal of Biological Chemistry, 2004, 279, 55506-55513.	3.4	151
62	Occludin OCEL-domain interactions are required for maintenance and regulation of the tight junction barrier to macromolecular flux. Molecular Biology of the Cell, 2013, 24, 3056-3068.	2.1	148
63	Pericolonic tumor deposits in patients with T3N+M0 colon adenocarcinomas. , 2000, 88, 2228-2238.		147
64	The Tight Junction Protein ZO-1 Is Dispensable for Barrier Function but Critical for Effective Mucosal Repair. Gastroenterology, 2021, 161, 1924-1939.	1.3	147
65	Dynamic migration of Î³Î´ intraepithelial lymphocytes requires occludin. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7097-7102.	7.1	142
66	Role of Epithelial Cells in Initiation and Propagation of Intestinal Inflammation. Eliminating the static: tight junction dynamics exposed. American Journal of Physiology - Renal Physiology, 2006, 290, G577-G582.	3.4	141
67	SGLTâ€1 â€mediated glucose uptake protects intestinal epithelial cells against LPSâ€induced apoptosis and barrier defects: a novel cellular rescue mechanism?. FASEB Journal, 2005, 19, 1822-1835.	0.5	140
68	Time-resolved luminescence resonance energy transfer imaging of proteinâ€“protein interactions in living cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13582-13587.	7.1	137
69	Phosphoinositide 3-Kinase Signaling Mediates Î²-Catenin Activation in Intestinal Epithelial Stem and Progenitor Cells in Colitis. Gastroenterology, 2010, 139, 869-881.e9.	1.3	135
70	Enteropathogenic E. coli disrupts tight junction barrier function and structure in vivo. Laboratory Investigation, 2005, 85, 1308-1324.	3.7	130
71	The prognostic significance of lymph node micrometastasis in patients with esophageal carcinoma. , 1999, 85, 769-778.		129
72	Mechanism underlying inhibition of intestinal apical Clâ€“/OHâ€“ exchange following infection with enteropathogenic E. coli. Journal of Clinical Investigation, 2007, 117, 428-437.	8.2	127

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73	Inflammation-induced Occludin Downregulation Limits Epithelial Apoptosis by Suppressing Caspase-3 Expression. Gastroenterology, 2019, 157, 1323-1337.	1.3	124
74	Tumor Necrosis Factor-induced Long Myosin Light Chain Kinase Transcription Is Regulated by Differentiation-dependent Signaling Events. Journal of Biological Chemistry, 2006, 281, 26205-26215.	3.4	122
75	Mechanisms and Functional Implications of Intestinal Barrier Defects. Digestive Diseases, 2009, 27, 443-449.	1.9	116
76	Elucidating the principles of the molecular organization of heteropolymeric tight junction strands. Cellular and Molecular Life Sciences, 2011, 68, 3903-3918.	5.4	116
77	Peroxisome Proliferator-Activated Receptor Î³ Inhibition Prevents Adhesion to the Extracellular Matrix and Induces Anoikis in Hepatocellular Carcinoma Cells. Cancer Research, 2005, 65, 2251-2259.	0.9	112
78	Distinct temporal-spatial roles for rho kinase and myosin light chain kinase in epithelial purse-string wound closure. Gastroenterology, 2005, 128, 987-1001.	1.3	112
79	Î³Î´ Intraepithelial Lymphocyte Migration Limits Transepithelial Pathogen Invasion and Systemic Disease in Mice. Gastroenterology, 2015, 148, 1417-1426.	1.3	112
80	Inflammatory bowel disease: is it really just another break in the wall?. Gut, 2007, 56, 6-8.	12.1	109
81	Intestinal barrier loss as a critical pathogenic link between inflammatory bowel disease and graft-versus-host disease. Mucosal Immunology, 2015, 8, 720-730.	6.0	106
82	Luminal bacterial flora determines physiological expression of intestinal epithelial cytoprotective heat shock proteins 25 and 72. American Journal of Physiology - Renal Physiology, 2005, 288, G696-G704.	3.4	104
83	Intracellular MLCK1 diversion reverses barrier loss to restore mucosal homeostasis. Nature Medicine, 2019, 25, 690-700.	30.7	102
84	ZO-1 interactions with F-actin and occludin direct epithelial polarization and single lumen specification in 3D culture. Journal of Cell Science, 2017, 130, 243-259.	2.0	99
85	Dysregulated LIGHT expression on T cells mediates intestinal inflammation and contributes to IgA nephropathy. Journal of Clinical Investigation, 2004, 113, 826-835.	8.2	99
86	Claudin-2-dependent paracellular channels are dynamically gated. ELife, 2015, 4, e09906.	6.0	92
87	Outcome after surveillance of low-grade and indefinite dysplasia in patients with ulcerative colitis. Inflammatory Bowel Diseases, 2010, 16, 1352-1356.	1.9	90
88	Akt2 Phosphorylates Ezrin to Trigger NHE3 Translocation and Activation. Journal of Biological Chemistry, 2005, 280, 1688-1695.	3.4	89
89	Serotonin inhibits Na+/H+ exchange activity via 5-HT4 receptors and activation of PKCÎ± in human intestinal epithelial cells. Gastroenterology, 2005, 128, 962-974.	1.3	89
90	Synergistic Action of Staphylococcus aureus Î±-Toxin on Platelets and Myeloid Lineage Cells Contributes to Lethal Sepsis. Cell Host and Microbe, 2015, 17, 775-787.	11.0	89

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91	Distinct and Synergistic Contributions of Epithelial Stress and Adaptive Immunity to Functions of Intraepithelial Killer Cells and Active Celiac Disease. Gastroenterology, 2015, 149, 681-691.e10.	1.3	87
92	Tight Junctions as Targets and Effectors of Mucosal Immune Homeostasis. Cellular and Molecular Gastroenterology and Hepatology, 2020, 10, 327-340.	4.5	87
93	CD18 Is Required for Optimal Development and Function of CD4+CD25+ T Regulatory Cells. Journal of Immunology, 2005, 175, 7889-7897.	0.8	85
94	Occludin deficiency promotes ethanol-induced disruption of colonic epithelial junctions, gut barrier dysfunction and liver damage in mice. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 765-774.	2.4	83
95	Regulation of human jejunal transmucosal resistance and MLC phosphorylation by Na⁺-glucose cotransport. American Journal of Physiology - Renal Physiology, 2001, 281, G1487-G1493.	3.4	82
96	Ezrin regulates NHE3 translocation and activation after Na+-glucose cotransport. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9485-9490.	7.1	82
97	The Critical Role of LIGHT in Promoting Intestinal Inflammation and Crohnâ€™s Disease. Journal of Immunology, 2005, 174, 8173-8182.	0.8	82
98	Redistribution of the tight junction protein ZO-1 during physiological shedding of mouse intestinal epithelial cells. American Journal of Physiology - Cell Physiology, 2011, 300, C1404-C1414.	4.6	82
99	Show me the pathway!. Advanced Drug Delivery Reviews, 2000, 41, 265-281.	13.7	81
100	D-Glucose Acts via Sodium/Glucose Cotransporter 1 to Increase NHE3 in Mouse Jejunal Brush Border by a Na+/H+ Exchange Regulatory Factor 2â€“Dependent Process. Gastroenterology, 2011, 140, 560-571.	1.3	81
101	Mouse Model of Enteropathogenic Escherichia coli Infection. Infection and Immunity, 2005, 73, 1161-1170.	2.2	80
102	Neutrophil Transepithelial Migration: Evidence for Sequential, Contact-Dependent Signaling Events and Enhanced Paracellular Permeability Independent of Transjunctional Migration. Journal of Immunology, 2002, 169, 476-486.	0.8	79
103	Stimulus-induced reorganization of tight junction structure: The role of membrane traffic. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 709-716.	2.6	78
104	Phosphorylation of CLIP-170 by Plk1 and CK2 promotes timely formation of kinetochoreâ€“microtubule attachments. EMBO Journal, 2010, 29, 2953-2965.	7.8	78
105	Enteropathogenic <i>E. coli</i> nonâ€LEE encoded effectors NleH1 and NleH2 attenuate NFâ€ÎºB activation. Molecular Microbiology, 2010, 78, 1232-1245.	2.5	76
106	Inhibition of long myosin light-chain kinase activation alleviates intestinal damage after binge ethanol exposure and burn injury. American Journal of Physiology - Renal Physiology, 2012, 303, G705-G712.	3.4	76
107	Activation of Bacteroides fragilis toxin by a novel bacterial protease contributes to anaerobic sepsis in mice. Nature Medicine, 2016, 22, 563-567.	30.7	76
108	Inactivation of paracellular cation-selective claudin-2 channels attenuates immune-mediated experimental colitis in mice. Journal of Clinical Investigation, 2020, 130, 5197-5208.	8.2	76

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109	Contributions of Myosin Light Chain Kinase to Regulation of Epithelial Paracellular Permeability and Mucosal Homeostasis. International Journal of Molecular Sciences, 2020, 21, 993.	4.1	75
110	Cytologic assessment of nuclear and cytoplasmic O-linked N-acetylglucosamine distribution by using anti-streptococcal monoclonal antibodies.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 5608-5612.	7.1	73
111	Function, expression, and characterization of the serotonin transporter in the native human intestine. American Journal of Physiology - Renal Physiology, 2008, 294, G254-G262.	3.4	72
112	The scaffolding protein ZO-1 coordinates actomyosin and epithelial apical specializations in vitro and in vivo. Journal of Biological Chemistry, 2018, 293, 17317-17335.	3.4	72
113	Transepithelial resistance can be regulated by the intestinal brush-border Na⁺/H⁺exchanger NHE3. American Journal of Physiology - Cell Physiology, 2000, 279, C1918-C1924.	4.6	71
114	High-molecular-weight polyethylene glycol prevents lethal sepsis due to intestinal Pseudomonas aeruginosa. Gastroenterology, 2004, 126, 488-498.	1.3	71
115	Tight junction proteins occludin and ZOâ€1 as regulators of epithelial proliferation and survival. Annals of the New York Academy of Sciences, 2022, 1514, 21-33.	3.8	70
116	African Americans with genotype 1 treated with interferon for chronic hepatitis C have a lower end of treatment response than Caucasians. Journal of Viral Hepatitis, 2001, 8, 264-269.	2.0	69
117	Rho activation regulates CXCL12 chemokine stimulated actin rearrangement and restitution in model intestinal epithelia. Laboratory Investigation, 2007, 87, 807-817.	3.7	69
118	Nonâ€"Muscle Myosin Light Chain Kinase Isoform Is a Viable Molecular Target in Acute Inflammatory Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 40-52.	2.9	69
119	Physiological regulation of intestinal epithelial tight junctions as a consequence of Na+-coupled nutrient transport. Gastroenterology, 1995, 109, 1391-1396.	1.3	67
120	NHE3-dependent cytoplasmic alkalinization is triggered by Na⁺-glucose cotransport in intestinal epithelia. American Journal of Physiology - Cell Physiology, 2001, 281, C1533-C1541.	4.6	67
121	Prion protein functions as a ferrireductase partner for ZIP14 and DMT1. Free Radical Biology and Medicine, 2015, 84, 322-330.	2.9	67
122	Interleukin 22 Expands Transit-Amplifying Cells While Depleting Lgr5+ Stem Cells via Inhibition of Wnt and Notch Signaling. Cellular and Molecular Gastroenterology and Hepatology, 2019, 7, 255-274.	4.5	67
123	Impaired Barrier Function and Autoantibody Generation in Malnutrition Enteropathy in Zambia. EBioMedicine, 2017, 22, 191-199.	6.1	66
124	Histologic Healing Is More Strongly Associated with Clinical Outcomes in Ileal Crohnâ€™s Disease than Endoscopic Healing. Clinical Gastroenterology and Hepatology, 2020, 18, 2518-2525.e1.	4.4	64
125	Tricellulin is regulated via interleukin-13-receptor Î±2, affects macromolecule uptake, and is decreased in ulcerative colitis. Mucosal Immunology, 2018, 11, 345-356.	6.0	63
126	SGLT-1-mediated glucose uptake protects human intestinal epithelial cells against Giardia duodenalis-induced apoptosis. International Journal for Parasitology, 2008, 38, 923-934.	3.1	61

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127	Structureâ€"Function Aspects of PstS in Multi-Drugâ€"Resistant Pseudomonas aeruginosa. PLoS Pathogens, 2008, 4, e43.	4.7	61
128	Enteropathogenic Escherichia coli Infection Inhibits Intestinal Serotonin Transporter Function and Expression. Gastroenterology, 2009, 137, 2074-2083.	1.3	61
129	TNFAIP3 Maintains Intestinal Barrier Function and Supports Epithelial Cell Tight Junctions. PLoS ONE, 2011, 6, e26352.	2.5	61
130	Epithelial NF-Î°B Enhances Transmucosal Fluid Movement by Altering Tight Junction Protein Composition after T Cell Activation. American Journal of Pathology, 2010, 176, 158-167.	3.8	60
131	Enteric dysbiosis promotes antibiotic-resistant bacterial infection: systemic dissemination of resistant and commensal bacteria through epithelial transcytosis. American Journal of Physiology - Renal Physiology, 2014, 307, G824-G835.	3.4	60
132	Persistent clonal expansions of peripheral blood CD4+ lymphocytes in chronic inflammatory bowel disease. Journal of Immunology, 1996, 157, 3183-91.	0.8	60
133	Low prevalence of human papillomavirus infection in esophageal squamous cell carcinomas from North America: Analysis by a highly sensitive and specific polymerase chain reaction-based approach. Human Pathology, 1997, 28, 174-178.	2.0	59
134	Recognition of intestinal epithelial HIF-1Î± activation by Pseudomonas aeruginosa. American Journal of Physiology - Renal Physiology, 2007, 292, G134-G142.	3.4	59
135	Noninvasive in vivo analysis of human small intestinal paracellular absorption: regulation by Na+-glucose cotransport. Digestive Diseases and Sciences, 2000, 45, 2122-2126.	2.3	58
136	Carboxyl-terminal Vesicular Stomatitis Virus G Protein-tagged Intestinal Na+-dependent Glucose Cotransporter (SGLT1). Journal of Biological Chemistry, 1996, 271, 7738-7744.	3.4	57
137	Contributions of intestinal epithelial barriers to health and disease. Experimental Cell Research, 2017, 358, 71-77.	2.6	57
138	Identification of multi-drug resistant Pseudomonas aeruginosa clinical isolates that are highly disruptive to the intestinal epithelial barrier. Annals of Clinical Microbiology and Antimicrobials, 2006, 5, 14.	3.8	56
139	MMP25 (MT6-MMP) Is Highly Expressed in Human Colon Cancer, Promotes Tumor Growth, and Exhibits Unique Biochemical Properties. Journal of Biological Chemistry, 2007, 282, 21998-22010.	3.4	56
140	Tumor suppressor FOXO3 participates in the regulation of intestinal inflammation. Laboratory Investigation, 2009, 89, 1053-1062.	3.7	54
141	Conceptual barriers to understanding physical barriers. Seminars in Cell and Developmental Biology, 2015, 42, 13-21.	5.0	51
142	The Microbiome Activates CD4 T-cellâ€"mediated Immunity toÂCompensate for Increased Intestinal Permeability. Cellular and Molecular Gastroenterology and Hepatology, 2017, 4, 285-297.	4.5	51
143	Retinoic Acid-induced Gene-1 (RIG-I) Associates with the Actin Cytoskeleton via Caspase Activation and Recruitment Domain-dependent Interactions. Journal of Biological Chemistry, 2009, 284, 6486-6494.	3.4	49
144	Epidermal Growth Factor Receptor Signaling Is Required for Microadenoma Formation in the Mouse Azoxymethane Model of Colonic Carcinogenesis. Cancer Research, 2007, 67, 827-835.	0.9	48

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145	Tumor Suppressor Foxo3a Is Involved in the Regulation of Lipopolysaccharide-Induced Interleukin-8 in Intestinal HT-29 Cells. Infection and Immunity, 2008, 76, 4677-4685.	2.2	48
146	Beyond Ussing's chambers: contemporary thoughts on integration of transepithelial transport. American Journal of Physiology - Cell Physiology, 2016, 310, C423-C431.	4.6	48
147	Graft-versus-host disease propagation depends on increased intestinal epithelial tight junction permeability. Journal of Clinical Investigation, 2019, 129, 902-914.	8.2	47
148	LPS/CD14 activation triggers SGLT-1-mediated glucose uptake and cell rescue in intestinal epithelial cells via early apoptotic signals upstream of caspase-3. Experimental Cell Research, 2006, 312, 3276-3286.	2.6	46
149	Commensal Bacterial Endocytosis in Epithelial Cells Is Dependent on Myosin Light Chain Kinaseâ€“Activated Brush Border Fanning by Interferon-Î³. American Journal of Pathology, 2014, 184, 2260-2274.	3.8	45
150	Pericolonic tumor deposits in patients with T3N+MO colon adenocarcinomas: markers of reduced disease free survival and intra-abdominal metastases and their implications for TNM classification. Cancer, 2000, 88, 2228-38.	4.1	45
151	Cloning of a novel EGFR-related peptide: a putative negative regulator of EGFR. American Journal of Physiology - Cell Physiology, 2001, 280, C1083-C1089.	4.6	44
152	Modulation of ileal bile acid transporter (ASBT) activity by depletion of plasma membrane cholesterol: association with lipid rafts. American Journal of Physiology - Renal Physiology, 2008, 294, G489-G497.	3.4	43
153	Recipient NK cell inactivation and intestinal barrier loss are required for MHC-matched graft-versus-host disease. Science Translational Medicine, 2014, 6, 243ra87.	12.4	43
154	Gluten-induced symptoms in diarrhea-predominant irritable bowel syndrome are associated with increased myosin light chain kinase activity and claudin-15 expression. Laboratory Investigation, 2017, 97, 14-23.	3.7	43
155	Pathologic prognostic factors in Barrett's-associated adenocarcinoma. Cancer, 1999, 85, 520-528.	4.1	42
156	The Motogenic Effects of Cyclic Mechanical Strain on Intestinal Epithelial Monolayer Wound Closure Are Matrix Dependent. Gastroenterology, 2006, 131, 1179-1189.	1.3	42
157	Good fences make good neighbors. Gut Microbes, 2010, 1, 22-29.	9.8	42
158	Bundle-forming pilus retraction enhances enteropathogenic<i>Escherichia coli</i>infectivity. Molecular Biology of the Cell, 2011, 22, 2436-2447.	2.1	42
159	Intracellular sites for storage and recycling of C3b receptors in human neutrophils.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 3019-3023.	7.1	41
160	Neisseria gonorrhoeae infects the human endocervix by activating non-muscle myosin II-mediated epithelial exfoliation. PLoS Pathogens, 2017, 13, e1006269.	4.7	40
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