

Sean P Colgan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7387392/sean-p-colgan-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

170
papers

18,005
citations

68
h-index

133
g-index

184
ext. papers

20,512
ext. citations

7.8
avg, IF

6.69
L-index

#	Paper	IF	Citations
170	Resolvins: a family of bioactive products of omega-3 fatty acid transformation circuits initiated by aspirin treatment that counter proinflammation signals. <i>Journal of Experimental Medicine</i> , 2002 , 196, 1025-37	16.6	1296
169	Novel functional sets of lipid-derived mediators with antiinflammatory actions generated from omega-3 fatty acids via cyclooxygenase 2-nonsteroidal antiinflammatory drugs and transcellular processing. <i>Journal of Experimental Medicine</i> , 2000 , 192, 1197-204	16.6	910
168	Crosstalk between Microbiota-Derived Short-Chain Fatty Acids and Intestinal Epithelial HIF Augments Tissue Barrier Function. <i>Cell Host and Microbe</i> , 2015 , 17, 662-71	23.4	732
167	Hypoxia-inducible factor-1-dependent regulation of the multidrug resistance (MDR1) gene. <i>Cancer Research</i> , 2002 , 62, 3387-94	10.1	601
166	Ecto-5'-nucleotidase (CD73) regulation by hypoxia-inducible factor-1 mediates permeability changes in intestinal epithelia. <i>Journal of Clinical Investigation</i> , 2002 , 110, 993-1002	15.9	489
165	Crucial role for ecto-5'-nucleotidase (CD73) in vascular leakage during hypoxia. <i>Journal of Experimental Medicine</i> , 2004 , 200, 1395-405	16.6	419
164	Epithelial hypoxia-inducible factor-1 is protective in murine experimental colitis. <i>Journal of Clinical Investigation</i> , 2004 , 114, 1098-1106	15.9	409
163	Coordinated adenine nucleotide phosphohydrolysis and nucleoside signaling in posthypoxic endothelium: role of ectonucleotidases and adenosine A2B receptors. <i>Journal of Experimental Medicine</i> , 2003 , 198, 783-96	16.6	395
162	Resolvin D1 and its aspirin-triggered 17R epimer. Stereochemical assignments, anti-inflammatory properties, and enzymatic inactivation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 9323-9334	5.4	384
161	Physiological roles for ecto-5'-nucleotidase (CD73). <i>Purinergic Signalling</i> , 2006 , 2, 351-60	3.8	377
160	Anti-inflammatory actions of neuroprotectin D1/protectin D1 and its natural stereoisomers: assignments of dihydroxy-containing docosatrienes. <i>Journal of Immunology</i> , 2006 , 176, 1848-59	5.3	365
159	Hypoxia-inducible factor-1 alpha-dependent induction of FoxP3 drives regulatory T-cell abundance and function during inflammatory hypoxia of the mucosa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E2784-93	11.5	356
158	Reduced inflammation and tissue damage in transgenic rabbits overexpressing 15-lipoxygenase and endogenous anti-inflammatory lipid mediators. <i>Journal of Immunology</i> , 2003 , 171, 6856-65	5.3	330
157	Ecto-5'-nucleotidase (CD73) regulation by hypoxia-inducible factor-1 mediates permeability changes in intestinal epithelia. <i>Journal of Clinical Investigation</i> , 2002 , 110, 993-1002	15.9	328
156	Hypoxia-inducible factor 1-dependent induction of intestinal trefoil factor protects barrier function during hypoxia. <i>Journal of Experimental Medicine</i> , 2001 , 193, 1027-34	16.6	321
155	Hypoxia: an alarm signal during intestinal inflammation. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2010 , 7, 281-7	24.2	311
154	Mucosal protection by hypoxia-inducible factor prolyl hydroxylase inhibition. <i>Gastroenterology</i> , 2008 , 134, 145-55	13.3	295

153	Transmigrating neutrophils shape the mucosal microenvironment through localized oxygen depletion to influence resolution of inflammation. <i>Immunity</i> , 2014 , 40, 66-77	32.3	294
152	Endogenous adenosine produced during hypoxia attenuates neutrophil accumulation: coordination by extracellular nucleotide metabolism. <i>Blood</i> , 2004 , 104, 3986-92	2.2	287
151	Epithelial hypoxia-inducible factor-1 is protective in murine experimental colitis. <i>Journal of Clinical Investigation</i> , 2004 , 114, 1098-106	15.9	285
150	ATP release from activated neutrophils occurs via connexin 43 and modulates adenosine-dependent endothelial cell function. <i>Circulation Research</i> , 2006 , 99, 1100-8	15.7	282
149	Design of lipoxin A4 stable analogs that block transmigration and adhesion of human neutrophils. <i>Biochemistry</i> , 1995 , 34, 14609-15	3.2	281
148	HIF-dependent induction of adenosine A2B receptor in hypoxia. <i>FASEB Journal</i> , 2006 , 20, 2242-50	0.9	268
147	HIF-1-dependent repression of equilibrative nucleoside transporter (ENT) in hypoxia. <i>Journal of Experimental Medicine</i> , 2005 , 202, 1493-505	16.6	261
146	Regulation of immunity and inflammation by hypoxia in immunological niches. <i>Nature Reviews Immunology</i> , 2017 , 17, 774-785	36.5	259
145	Metabolic shifts in immunity and inflammation. <i>Journal of Immunology</i> , 2010 , 184, 4062-8	5.3	251
144	Transepithelial migration of neutrophils: mechanisms and implications for acute lung injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009 , 40, 519-35	5.7	247
143	Lipid mediator-induced expression of bactericidal/ permeability-increasing protein (BPI) in human mucosal epithelia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 3902-7	11.5	246
142	Targeting hypoxia signalling for the treatment of ischaemic and inflammatory diseases. <i>Nature Reviews Drug Discovery</i> , 2014 , 13, 852-69	64.1	216
141	Hypoxia and gastrointestinal disease. <i>Journal of Molecular Medicine</i> , 2007 , 85, 1295-300	5.5	215
140	Physiologic hypoxia and oxygen homeostasis in the healthy intestine. A Review in the Theme: Cellular Responses to Hypoxia. <i>American Journal of Physiology - Cell Physiology</i> , 2015 , 309, C350-60	5.4	204
139	Microbial-Derived Butyrate Promotes Epithelial Barrier Function through IL-10 Receptor-Dependent Repression of Claudin-2. <i>Journal of Immunology</i> , 2017 , 199, 2976-2984	5.3	189
138	Neutrophil-derived 5'-adenosine monophosphate promotes endothelial barrier function via CD73-mediated conversion to adenosine and endothelial A2B receptor activation. <i>Journal of Experimental Medicine</i> , 1998 , 188, 1433-43	16.6	189
137	Leukocyte adhesion during hypoxia is mediated by HIF-1-dependent induction of beta2 integrin gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 10440-5	11.5	187
136	Autocrine regulation of epithelial permeability by hypoxia: role for polarized release of tumor necrosis factor alpha. <i>Gastroenterology</i> , 1998 , 114, 657-68	13.3	171

135	Microbiota-Derived Indole Metabolites Promote Human and Murine Intestinal Homeostasis through Regulation of Interleukin-10 Receptor. <i>American Journal of Pathology</i> , 2018 , 188, 1183-1194	5.8	163
134	Central role of Sp1-regulated CD39 in hypoxia/ischemia protection. <i>Blood</i> , 2009 , 113, 224-32	2.2	163
133	Resolvin E1 promotes mucosal surface clearance of neutrophils: a new paradigm for inflammatory resolution. <i>FASEB Journal</i> , 2007 , 21, 3162-70	0.9	158
132	Role of vasodilator-stimulated phosphoprotein in PKA-induced changes in endothelial junctional permeability. <i>FASEB Journal</i> , 2002 , 16, 583-5	0.9	151
131	Expression and Polarization of Intercellular Adhesion Molecule-1 on Human Intestinal Epithelia: Consequences for CD11b/CD18-Mediated Interactions with Neutrophils. <i>Molecular Medicine</i> , 1996 , 2, 489-505	6.2	145
130	Resolvin E1-induced intestinal alkaline phosphatase promotes resolution of inflammation through LPS detoxification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 14298-303	11.5	136
129	Neutrophil transmigration triggers repair of the lung epithelium via beta-catenin signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 15990-5	11.5	134
128	Endothelial catabolism of extracellular adenosine during hypoxia: the role of surface adenosine deaminase and CD26. <i>Blood</i> , 2006 , 108, 1602-10	2.2	130
127	Contribution of adenosine A2B receptors to inflammatory parameters of experimental colitis. <i>Journal of Immunology</i> , 2009 , 182, 4957-64	5.3	120
126	Inflammatory Hypoxia: Role of Hypoxia-Inducible Factor. <i>Cell Cycle</i> , 2005 , 4, 255-257	4.7	109
125	Selective induction of mucin-3 by hypoxia in intestinal epithelia. <i>Journal of Cellular Biochemistry</i> , 2006 , 99, 1616-27	4.7	101
124	Lipoxin A4 and aspirin-triggered 15-epi-lipoxin A4 inhibit human neutrophil migration: comparisons between synthetic 15 epimers in chemotaxis and transmigration with microvessel endothelial cells and epithelial cells. <i>Journal of Immunology</i> , 2003 , 170, 2688-94	5.3	100
123	Interleukin-4 and interleukin-13 differentially regulate epithelial chloride secretion. <i>Journal of Biological Chemistry</i> , 1996 , 271, 7460-4	5.4	99
122	Adenosine A2A receptor is a unique angiogenic target of HIF-2alpha in pulmonary endothelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 10684-9	11.5	98
121	Adenosine and hypoxia-inducible factor signaling in intestinal injury and recovery. <i>Annual Review of Physiology</i> , 2012 , 74, 153-75	23.1	97
120	HIF-dependent regulation of claudin-1 is central to intestinal epithelial tight junction integrity. <i>Molecular Biology of the Cell</i> , 2015 , 26, 2252-62	3.5	95
119	Neutrophils as sources of extracellular nucleotides: functional consequences at the vascular interface. <i>Trends in Cardiovascular Medicine</i> , 2008 , 18, 103-7	6.9	91
118	An aspirin-triggered lipoxin A4 stable analog displays a unique topical anti-inflammatory profile. <i>Journal of Immunology</i> , 2002 , 169, 7063-70	5.3	88

117	Lipoxin B4 regulates human monocyte/neutrophil adherence and motility: design of stable lipoxin B4 analogs with increased biologic activity. <i>FASEB Journal</i> , 1998 , 12, 487-94	0.9	87
116	Eosinophil-mediated signalling attenuates inflammatory responses in experimental colitis. <i>Gut</i> , 2015 , 64, 1236-47	19.2	85
115	Role of VASP in reestablishment of epithelial tight junction assembly after Ca ²⁺ switch. <i>American Journal of Physiology - Cell Physiology</i> , 2002 , 282, C1235-45	5.4	81
114	Control of creatine metabolism by HIF is an endogenous mechanism of barrier regulation in colitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19820-5	11.5	78
113	CD73+ regulatory T cells contribute to adenosine-mediated resolution of acute lung injury. <i>FASEB Journal</i> , 2013 , 27, 2207-19	0.9	78
112	Hypoxia and metabolic factors that influence inflammatory bowel disease pathogenesis. <i>Gastroenterology</i> , 2011 , 140, 1748-55	13.3	78
111	Critical role of cAMP response element binding protein expression in hypoxia-elicited induction of epithelial tumor necrosis factor-alpha. <i>Journal of Biological Chemistry</i> , 1999 , 274, 19447-54	5.4	76
110	Selective induction of integrin beta1 by hypoxia-inducible factor: implications for wound healing. <i>FASEB Journal</i> , 2009 , 23, 1338-46	0.9	75
109	Hypoxia-inducible factors as molecular targets for liver diseases. <i>Journal of Molecular Medicine</i> , 2016 , 94, 613-27	5.5	75
108	Of microbes and meals: the health consequences of dietary endotoxemia. <i>Nutrition in Clinical Practice</i> , 2012 , 27, 215-25	3.6	74
107	PMNs facilitate translocation of platelets across human and mouse epithelium and together alter fluid homeostasis via epithelial cell-expressed ecto-NTPDases. <i>Journal of Clinical Investigation</i> , 2008 , 118, 3682-92	15.9	73
106	Control of IFN-alphaA by CD73: implications for mucosal inflammation. <i>Journal of Immunology</i> , 2008 , 180, 4246-55	5.3	71
105	Antiadhesive role of apical decay-accelerating factor (CD55) in human neutrophil transmigration across mucosal epithelia. <i>Journal of Experimental Medicine</i> , 2003 , 198, 999-1010	16.6	71
104	Antiinflammatory adaptation to hypoxia through adenosine-mediated cullin-1 deneddylation. <i>Journal of Clinical Investigation</i> , 2007 , 117, 703-11	15.9	70
103	Reoxygenation of hypoxic human umbilical vein endothelial cells activates the classic complement pathway. <i>Circulation</i> , 1997 , 96, 326-33	16.7	68
102	Microbiota-derived butyrate dynamically regulates intestinal homeostasis through regulation of actin-associated protein synaptopodin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 11648-11657	11.5	67
101	HIF-dependent induction of apical CD55 coordinates epithelial clearance of neutrophils. <i>FASEB Journal</i> , 2005 , 19, 950-9	0.9	66
100	Hypoxia-inducible factor signaling provides protection in <i>Clostridium difficile</i> -induced intestinal injury. <i>Gastroenterology</i> , 2010 , 139, 259-69.e3	13.3	63

99	Oxygen metabolism and barrier regulation in the intestinal mucosa. <i>Journal of Clinical Investigation</i> , 2016 , 126, 3680-3688	15.9	63
98	Hypoxia and Mucosal Inflammation. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2016 , 11, 77-100	34	62
97	IFN- γ -mediated induction of an apical IL-10 receptor on polarized intestinal epithelia. <i>Journal of Immunology</i> , 2014 , 192, 1267-76	5.3	62
96	Inflammatory hypoxia: role of hypoxia-inducible factor. <i>Cell Cycle</i> , 2005 , 4, 256-8	4.7	61
95	Subversion of Systemic Glucose Metabolism as a Mechanism to Support the Growth of Leukemia Cells. <i>Cancer Cell</i> , 2018 , 34, 659-673.e6	24.3	55
94	Antimicrobial aspects of inflammatory resolution in the mucosa: a role for proresolving mediators. <i>Journal of Immunology</i> , 2011 , 187, 3475-81	5.3	53
93	An endogenously anti-inflammatory role for methylation in mucosal inflammation identified through metabolite profiling. <i>Journal of Immunology</i> , 2011 , 186, 6505-14	5.3	52
92	Control and dysregulation of redox signalling in the gastrointestinal tract. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2019 , 16, 106-120	24.2	52
91	Hypoxanthine is a checkpoint stress metabolite in colonic epithelial energy modulation and barrier function. <i>Journal of Biological Chemistry</i> , 2018 , 293, 6039-6051	5.4	48
90	Targeting the A2B adenosine receptor during gastrointestinal ischemia and inflammation. <i>Expert Opinion on Therapeutic Targets</i> , 2009 , 13, 1267-77	6.4	48
89	Epithelial permeability induced by neutrophil transmigration is potentiated by hypoxia: role of intracellular cAMP. <i>Journal of Cellular Physiology</i> , 1998 , 176, 76-84	7	48
88	Identification of vasodilator-stimulated phosphoprotein (VASP) as an HIF-regulated tissue permeability factor during hypoxia. <i>FASEB Journal</i> , 2007 , 21, 2613-21	0.9	46
87	Stabilization of HIF through inhibition of Cullin-2 neddylation is protective in mucosal inflammatory responses. <i>FASEB Journal</i> , 2015 , 29, 208-15	0.9	43
86	Hypoxia-induced expression of complement receptor type 1 (CR1, CD35) in human vascular endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 1999 , 276, C450-8	5.4	43
85	Phosphoinositide 3-kinase modulation of beta(3)-integrin represents an endogenous "braking" mechanism during neutrophil transmatrix migration. <i>Blood</i> , 2001 , 97, 3251-8	2.2	42
84	Hypoxia and Innate Immunity: Keeping Up with the HIFsters. <i>Annual Review of Immunology</i> , 2020 , 38, 341-363	34.7	41
83	Activated fluid transport regulates bacterial-epithelial interactions and significantly shifts the murine colonic microbiome. <i>Gut Microbes</i> , 2012 , 3, 250-60	8.8	41
82	Cytokine responses and epithelial function in the intestinal mucosa. <i>Cellular and Molecular Life Sciences</i> , 2016 , 73, 4203-4212	10.3	38

81	Central role for endothelial human deneedylase-1/SENp8 in fine-tuning the vascular inflammatory response. <i>Journal of Immunology</i> , 2013 , 190, 392-400	5.3	38
80	Hypoxia-inducible factor-dependent regulation of platelet-activating factor receptor as a route for gram-positive bacterial translocation across epithelia. <i>Molecular Biology of the Cell</i> , 2010 , 21, 538-46	3.5	38
79	Anti-inflammatory actions of adrenomedullin through fine tuning of HIF stabilization. <i>FASEB Journal</i> , 2011 , 25, 1856-64	0.9	38
78	Hypercapnia Suppresses the HIF-dependent Adaptive Response to Hypoxia. <i>Journal of Biological Chemistry</i> , 2016 , 291, 11800-8	5.4	37
77	Creatine kinase in ischemic and inflammatory disorders. <i>Clinical and Translational Medicine</i> , 2016 , 5, 31	5.7	32
76	Adenosine and gastrointestinal inflammation. <i>Journal of Molecular Medicine</i> , 2013 , 91, 157-64	5.5	31
75	Neutrophils and inflammatory resolution in the mucosa. <i>Seminars in Immunology</i> , 2015 , 27, 177-83	10.7	30
74	The inflammatory tissue microenvironment in IBD. <i>Inflammatory Bowel Diseases</i> , 2013 , 19, 2238-44	4.5	29
73	Adenosine signaling mediates SUMO-1 modification of IkappaBalpha during hypoxia and reoxygenation. <i>Journal of Biological Chemistry</i> , 2009 , 284, 13686-13695	5.4	29
72	Transcriptional repression of Na-K-2Cl cotransporter NKCC1 by hypoxia-inducible factor-1. <i>American Journal of Physiology - Cell Physiology</i> , 2006 , 291, C282-9	5.4	29
71	Epithelial HIF-1/cldudin-1 axis regulates barrier dysfunction in eosinophilic esophagitis. <i>Journal of Clinical Investigation</i> , 2019 , 129, 3224-3235	15.9	27
70	Metabolic regulation of intestinal epithelial barrier during inflammation. <i>Tissue Barriers</i> , 2015 , 3, e970936.3	6.3	26
69	Identification of Pur alpha as a new hypoxia response factor responsible for coordinated induction of the beta 2 integrin family. <i>Journal of Immunology</i> , 2007 , 179, 1934-41	5.3	26
68	Dynamic purine signaling and metabolism during neutrophil-endothelial interactions. <i>Purinergic Signalling</i> , 2005 , 1, 229-39	3.8	26
67	Hypoxia-Inducible Factor-2B Reprograms Liver Macrophages to Protect Against Acute Liver Injury Through the Production of Interleukin-6. <i>Hepatology</i> , 2020 , 71, 2105-2117	11.2	24
66	Neutrophils and inflammatory metabolism in antimicrobial functions of the mucosa. <i>Journal of Leukocyte Biology</i> , 2015 , 98, 517-22	6.5	23
65	IFN-gamma attenuates hypoxia-inducible factor (HIF) activity in intestinal epithelial cells through transcriptional repression of HIF-1. <i>Journal of Immunology</i> , 2011 , 186, 1790-8	5.3	22
64	Breathless in the Gut: Implications of Luminal O2 for Microbial Pathogenicity. <i>Cell Host and Microbe</i> , 2016 , 19, 427-8	23.4	22

63	Intense Light-Mediated Circadian Cardioprotection via Transcriptional Reprogramming of the Endothelium. <i>Cell Reports</i> , 2019 , 28, 1471-1484.e11	10.6	21
62	Neutrophils as Components of Mucosal Homeostasis. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2017 , 4, 329-337	7.9	19
61	Tissue metabolism and host-microbial interactions in the intestinal mucosa. <i>Free Radical Biology and Medicine</i> , 2017 , 105, 86-92	7.8	18
60	Implications of protein post-translational modifications in IBD. <i>Inflammatory Bowel Diseases</i> , 2012 , 18, 1378-88	4.5	18
59	Creatine Transporter, Reduced in Colon Tissues From Patients With Inflammatory Bowel Diseases, Regulates Energy Balance in Intestinal Epithelial Cells, Epithelial Integrity, and Barrier Function. <i>Gastroenterology</i> , 2020 , 159, 984-998.e1	13.3	18
58	Perturbation of neddylation-dependent NF- κ B responses in the intestinal epithelium drives apoptosis and inhibits resolution of mucosal inflammation. <i>Molecular Biology of the Cell</i> , 2016 ,	3.5	18
57	Tissue metabolism and the inflammatory bowel diseases. <i>Journal of Molecular Medicine</i> , 2017 , 95, 905-915	13.5	17
56	HIF-dependent regulation of AKAP12 (gravin) in the control of human vascular endothelial function. <i>FASEB Journal</i> , 2014 , 28, 256-64	0.9	17
55	Special pro-resolving mediator (SPM) actions in regulating gastro-intestinal inflammation and gut mucosal immune responses. <i>Molecular Aspects of Medicine</i> , 2017 , 58, 93-101	16.7	15
54	Contributions of neutrophils to resolution of mucosal inflammation. <i>Immunologic Research</i> , 2013 , 55, 75-82	4.3	15
53	Epithelial Barrier Regulation by Hypoxia-Inducible Factor. <i>Annals of the American Thoracic Society</i> , 2017 , 14, S233-S236	4.7	14
52	Oral vitamin B supplement is delivered to the distal gut, altering the corrinoid profile and selectively depleting in C57BL/6 mice. <i>Gut Microbes</i> , 2019 , 10, 654-662	8.8	13
51	Neutrophils and the inflammatory tissue microenvironment in the mucosa. <i>Immunological Reviews</i> , 2016 , 273, 112-20	11.3	13
50	G2A Signaling Dampens Colitic Inflammation via Production of IFN- γ <i>Journal of Immunology</i> , 2016 , 197, 1425-34	5.3	13
49	Lipid mediator networks and leukocyte transmigration. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2005 , 73, 197-202	2.8	13
48	Microbiota-Sourced Purines Support Wound Healing and Mucous Barrier Function. <i>IScience</i> , 2020 , 23, 101226	6.1	13
47	Intestinal heat shock protein 110 regulates expression of CD1d on intestinal epithelial cells. <i>Journal of Clinical Investigation</i> , 2003 , 112, 745-54	15.9	11
46	Intestinal Epithelial Ecto-5'-Nucleotidase (CD73) Regulates Intestinal Colonization and Infection by Nontyphoidal Salmonella. <i>Infection and Immunity</i> , 2017 , 85,	3.7	10

45	The multiple roles of major histocompatibility complex class-I-like molecules in mucosal immune function. <i>Acta Odontologica Scandinavica</i> , 2001 , 59, 139-44	2.2	10
44	Neutrophils as sources of dinucleotide polyphosphates and metabolism by epithelial ENPP1 to influence barrier function via adenosine signaling. <i>Molecular Biology of the Cell</i> , 2018 , 29, 2687-2699	3.5	10
43	Cholestatic liver disease results increased production of reactive aldehydes and an atypical periportal hepatic antioxidant response. <i>Free Radical Biology and Medicine</i> , 2019 , 143, 101-114	7.8	8
42	Targeting hypoxia in inflammatory bowel disease. <i>Journal of Investigative Medicine</i> , 2016 , 64, 364-8	2.9	7
41	Intestinal Inflammation as a Dysbiosis of Energy Procurement: New Insights into an Old Topic. <i>Gut Microbes</i> , 2021 , 13, 1-20	8.8	7
40	Eosinophils attenuate hepatic ischemia-reperfusion injury in mice through ST2-dependent IL-13 production. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	7
39	Oxygen metabolism and innate immune responses in the gut. <i>Journal of Applied Physiology</i> , 2017 , 123, 1321-1327	3.7	6
38	Adaptation to inflammatory acidity through neutrophil-derived adenosine regulation of SLC26A3. <i>Mucosal Immunology</i> , 2020 , 13, 230-244	9.2	6
37	Transplantation of an obesity-associated human gut microbiota to mice induces vascular dysfunction and glucose intolerance. <i>Gut Microbes</i> , 2021 , 13, 1940791	8.8	6
36	The MUC5B-associated variant rs35705950 resides within an enhancer subject to lineage- and disease-dependent epigenetic remodeling. <i>JCI Insight</i> , 2021 , 6,	9.9	6
35	A Central Role for Heme Oxygenase-1 in the Control of Intestinal Epithelial Chemokine Expression. <i>Journal of Innate Immunity</i> , 2018 , 10, 228-238	6.9	6
34	Actions of adenosine on cullin neddylation: implications for inflammatory responses. <i>Computational and Structural Biotechnology Journal</i> , 2015 , 13, 273-6	6.8	5
33	Bile acids modulate colonic MAdCAM-1 expression in a murine model of combined cholestasis and colitis. <i>Mucosal Immunology</i> , 2021 , 14, 479-490	9.2	5
32	Microbiota-derived butyrate is an endogenous HIF prolyl hydroxylase inhibitor. <i>Gut Microbes</i> , 2021 , 13, 1938380	8.8	5
31	Resolvins resolve to heal mucosal wounds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 10621-10622	11.5	4
30	Targeting Hypoxia to Augment Mucosal Barrier Function. <i>Journal of Epithelial Biology & Pharmacology</i> , 2012 , 5, 67-76		4
29	The HIF target ATG9A is essential for epithelial barrier function and tight junction biogenesis. <i>Molecular Biology of the Cell</i> , 2020 , 31, 2249-2258	3.5	4
28	Microbial-derived indoles inhibit neutrophil myeloperoxidase to diminish bystander tissue damage. <i>FASEB Journal</i> , 2021 , 35, e21552	0.9	4

27	Creatine Supplementation for Patients with Inflammatory Bowel Diseases: A Scientific Rationale for a Clinical Trial. <i>Nutrients</i> , 2021 , 13,	6.7	4
26	Platelet activating factor receptor acts to limit colitis-induced liver inflammation. <i>FASEB Journal</i> , 2020 , 34, 7718-7732	0.9	4
25	Endothelial COX-2 induction by hypoxia liberates 6-keto-PGF1 alpha, a potent epithelial secretagogue. <i>Advances in Experimental Medicine and Biology</i> , 2002 , 507, 107-12	3.6	4
24	Markers of Hypoxia Correlate with Histologic and Endoscopic Severity of Colitis in Inflammatory Bowel Disease. <i>Hypoxia (Auckland, N Z)</i> , 2020 , 8, 1-12	2.1	3
23	Microbial Indole Metabolites Provide a Novel Pathway for Regulation of Intestinal Homeostasis. <i>FASEB Journal</i> , 2019 , 33, 34.9	0.9	1
22	The Influence of Neddylation on the Mucosal Inflammatory Response. <i>FASEB Journal</i> , 2015 , 29, 142.9	0.9	1
21	Mucosal acidosis elicits a unique molecular signature in epithelia and intestinal tissue mediated by GPR31-induced CREB phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1
20	Adenosine Awakens Metabolism to Enhance Growth-Independent Killing of Tolerant and Persister Bacteria across Multiple Classes of Antibiotics.. <i>MBio</i> , 2022 , e0048022	7.8	1
19	Transcriptional Imprinting of colonic epithelia by transmigrating neutrophils reveals a central role for hypoxic signaling via local oxygen depletion. <i>Inflammatory Bowel Diseases</i> , 2011 , 17, S72	4.5	
18	Intestinal epithelial innate immunity: A role for Hypoxia-mediated autophagyP-208.. <i>Inflammatory Bowel Diseases</i> , 2011 , 17, S74	4.5	
17	Neutrophil-Endothelial Cell Interactions141-152		
16	HIF-dependent Repression of Na-K-2Cl- Co-transporter (NKCC1) in Hypoxia. <i>FASEB Journal</i> , 2006 , 20, A1094	0.9	
15	Resolvin E1 promotes mucosal surface clearance of neutrophils: a new paradigm for inflammatory resolution. <i>FASEB Journal</i> , 2007 , 21, A131	0.9	
14	Identification of molecular anti-inflammatory mechanisms of adenosine: Cullin-1 deneddylation during hypoxic preconditioning (HPC). <i>FASEB Journal</i> , 2007 , 21, A131	0.9	
13	Mucosal protection by hypoxia-inducible factor (HIF) prolyl hydroxylase inhibition. <i>FASEB Journal</i> , 2008 , 22, 328.3	0.9	
12	Microbiota-Derived Indole Metabolites Provide a Novel Pathway for Regulation of Intestinal Homeostasis. <i>FASEB Journal</i> , 2018 , 32, 286.8	0.9	
11	Adenosine controls tissue fluid and pH homeostasis through transcriptional regulation of SLC26A3. <i>FASEB Journal</i> , 2019 , 33, 34.8	0.9	
10	Dynamic regulation of actin-binding protein synaptopodin by butyrate promotes intestinal epithelial barrier function. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	

- 9 Bile Acids Modulate Colonic MAdCAM-1 Expression in a Murine Model of PSC-IBD. *FASEB Journal*, **2020**, 34, 1-1 0.9
- 8 Signaling Through the Aryl Hydrocarbon Receptor Induces Expression of the IL-10 Receptor on Intestinal Epithelia. *FASEB Journal*, **2015**, 29, 142.11 0.9
- 7 Microbe-Host Crosstalk between Short-Chain Fatty Acids and Intestinal Epithelial HIF Provides a New Mechanism to Augment Tissue Barrier Function. *FASEB Journal*, **2015**, 29, 282.6 0.9
- 6 Intestinal epithelial ecto-5'-nucleotidase CD73 regulates the homeostasis of Salmonella typhimurium and commensal bacteria. *FASEB Journal*, **2015**, 29, 507.8 0.9
- 5 Interferon-gamma inhibits hypoxia-inducible factor (HIF) in intestinal epithelial cells through transcriptional repression of HIF-1 beta. *FASEB Journal*, **2009**, 23, 570.12 0.9
- 4 Neutrophil-epithelial interactions modulate the inflammatory microenvironment during colitis. *FASEB Journal*, **2013**, 27, 137.1 0.9
- 3 Fundamental role for HIF-1 α in expression of enteric human α -defensin-1. *FASEB Journal*, **2013**, 27, 131.7 0.9
- 2 IFN- γ -mediated Induction of an Apical IL-10 Receptor on Polarized Intestinal Epithelia. *FASEB Journal*, **2013**, 27, 137.11 0.9
- 1 Microbial Metabolite Regulation of Epithelial Tight Junctions and Barrier **2022**, 181-197