Andrew S Neish

List of Publications by Citations

111 papers	8,810 citations	45 h-index	93 g-index
156 ext. papers	10,060 ext. citations	7.2 avg, IF	6.37 L-index

#	Paper	IF	Citations
111	Transcriptional regulation of endothelial cell adhesion molecules: NF-B and cytokine-inducible enhancers. *FASEB Journal*, **1995**, 9, 899-909	0.9	1487
110	Microbes in gastrointestinal health and disease. *Gastroenterology*, **2009**, 136, 65-80	13.3	942
109	The proteasome pathway is required for cytokine-induced endothelial-leukocyte adhesion molecule expression. *Immunity*, **1995**, 2, 493-506	32.3	318
108	Deletion of TLR5 results in spontaneous colitis in mice. *Journal of Clinical Investigation*, **2007**, 117, 3909-21	15.9	314
107	Nox enzymes and new thinking on reactive oxygen: a double-edged sword revisited. *Annual Review of Pathology: Mechanisms of Disease*, **2014**, 9, 119-45	34	302
106	Expression profiling of renal epithelial neoplasms: a method for tumor classification and discovery of diagnostic molecular markers. *American Journal of Pathology*, **2001**, 158, 1639-51	5.8	269
105	Rapid Generation of Neutralizing Antibody Responses in COVID-19 Patients. *Cell Reports Medicine*, **2020**, 1, 100040	18	268
104	Symbiotic lactobacilli stimulate gut epithelial proliferation via Nox-mediated generation of reactive oxygen species. *EMBO Journal*, **2013**, 32, 3017-28	13	248
103	Cutting edge: Salmonella AvrA effector inhibits the key proinflammatory, anti-apoptotic NF-kappa B pathway. *Journal of Immunology*, **2002**, 169, 2846-50	5.3	238
102	Lipoxin a4 analogs attenuate induction of intestinal epithelial proinflammatory gene expression and reduce the severity of dextran sodium sulfate-induced colitis. *Journal of Immunology*, **2002**, 168, 5260-7	5.3	228
101	Annexin A1, formyl peptide receptor, and NOX1 orchestrate epithelial repair. *Journal of Clinical Investigation*, **2013**, 123, 443-54	15.9	207
100	Commensal bacteria modulate cullin-dependent signaling via generation of reactive oxygen species. *EMBO Journal*, **2007**, 26, 4457-66	13	207
99	Annexin A1-containing extracellular vesicles and polymeric nanoparticles promote epithelial wound repair. *Journal of Clinical Investigation*, **2015**, 125, 1215-27	15.9	192
98	Flagellin is the major proinflammatory determinant of enteropathogenic Salmonella. *Journal of Immunology*, **2003**, 171, 3668-74	5.3	188
97	Salmonella AvrA Coordinates Suppression of Host Immune and Apoptotic Defenses via JNK Pathway Blockade. *Cell Host and Microbe*, **2008**, 3, 233-44	23.4	187
96	Salmonella typhimurium induces epithelial IL-8 expression via Ca(2+)-mediated activation of the NF-kappaB pathway. *Journal of Clinical Investigation*, **2000**, 105, 79-92	15.9	171
95	Loss of Junctional Adhesion Molecule A Promotes Severe Steatohepatitis in Mice on a Diet High in Saturated Fat, Fructose, and Cholesterol. *Gastroenterology*, **2016**, 151, 733-746.e12	13.3	158

94	Flagellin treatment protects against chemicals, bacteria, viruses, and radiation. *Journal of Immunology*, **2008**, 180, 8280-5	5.3	154
93	Lactobacillus rhamnosus blocks inflammatory signaling in vivo via reactive oxygen species generation. *Free Radical Biology and Medicine*, **2009**, 47, 1205-11	7.8	136
92	Lactobacilli Modulate Epithelial Cytoprotection through the Nrf2 Pathway. *Cell Reports*, **2015**, 12, 1217-25	10.6	130
91	The microenvironment of injured murine gut elicits a local pro-restitutive microbiota. *Nature Microbiology*, **2016**, 1, 15021	26.6	118
90	The gut microflora and intestinal epithelial cells: a continuing dialogue. *Microbes and Infection*, **2002**, 4, 309-17	9.3	118
89	Enteric commensal bacteria potentiate epithelial restitution via reactive oxygen species-mediated inactivation of focal adhesion kinase phosphatases. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 8803-8	11.5	117
88	TLR5-mediated activation of p38 MAPK regulates epithelial IL-8 expression via posttranscriptional mechanism. *American Journal of Physiology - Renal Physiology*, **2003**, 285, G282-90	5.1	105
87	The bacterial fermentation product butyrate influences epithelial signaling via reactive oxygen species-mediated changes in cullin-1 neddylation. *Journal of Immunology*, **2009**, 182, 538-46	5.3	102
86	Flagellin/TLR5 responses in epithelia reveal intertwined activation of inflammatory and apoptotic pathways. *American Journal of Physiology - Renal Physiology*, **2006**, 290, G96-G108	5.1	102
85	Flagellin suppresses epithelial apoptosis and limits disease during enteric infection. *American Journal of Pathology*, **2006**, 169, 1686-700	5.8	102
84	Cutting edge: bacterial modulation of epithelial signaling via changes in neddylation of cullin-1. *Journal of Immunology*, **2005**, 175, 4194-8	5.3	98
83	Beta defensin-1, parvalbumin, and vimentin: a panel of diagnostic immunohistochemical markers for renal tumors derived from gene expression profiling studies using cDNA microarrays. *American Journal of Surgical Pathology*, **2003**, 27, 199-205	6.7	96
82	The probiotic Lactobacillus GG may augment intestinal host defense by regulating apoptosis and promoting cytoprotective responses in the developing murine gut. *Pediatric Research*, **2008**, 64, 511-6	3.2	90
81	Enteric commensal bacteria induce extracellular signal-regulated kinase pathway signaling via formyl peptide receptor-dependent redox modulation of dual specific phosphatase 3. *Journal of Biological Chemistry*, **2011**, 286, 38448-38455	5.4	89
80	Redox signaling mediated by the gut microbiota. *Free Radical Biology and Medicine*, **2017**, 105, 41-47	7.8	82
79	Enteropathogenic E. coli non-LEE encoded effectors NleH1 and NleH2 attenuate NF-B activation. *Molecular Microbiology*, **2010**, 78, 1232-45	4.1	69
78	Epithelial adhesion mediated by pilin SpaC is required for Lactobacillus rhamnosus GG-induced cellular responses. *Applied and Environmental Microbiology*, **2014**, 80, 5068-77	4.8	64
77	Daratumumab in multiple myeloma. *Cancer*, **2019**, 125, 2364-2382	6.4	58

76	Redox signaling mediated by the gut microbiota. *Free Radical Research*, **2013**, 47, 950-7	4	55
75	Commensal-epithelial signaling mediated via formyl peptide receptors. *American Journal of Pathology*, **2010**, 177, 2782-90	5.8	55
74	Gut-Resident Lactobacilli Activate Hepatic Nrf2 and Protect Against Oxidative Liver Injury. *Cell Metabolism*, **2020**, 31, 956-968.e5	24.6	54
73	The Salmonella effector AvrA mediates bacterial intracellular survival during infection in vivo. *Cellular Microbiology*, **2012**, 14, 28-39	3.9	54
72	Flagellin administration protects gut mucosal tissue from irradiation-induced apoptosis via MKP-7 activity. *Gut*, **2011**, 60, 648-57	19.2	51
71	Role of gut microbiota in intestinal wound healing and barrier function. *Tissue Barriers*, **2018**, 6, 1539595	4.3	51
70	Alginate/chitosan microparticles for gastric passage and intestinal release of therapeutic protein nanoparticles. *Journal of Controlled Release*, **2019**, 295, 174-186	11.7	50
69	Mucosal immunity and the microbiome. *Annals of the American Thoracic Society*, **2014**, 11 Suppl 1, S28-32	4.7	49
68	Toll-like receptor 5-deficient mice have dysregulated intestinal gene expression and nonspecific resistance to Salmonella-induced typhoid-like disease. *Infection and Immunity*, **2008**, 76, 1276-81	3.7	45
67	Intestinal epithelial glycosylation in homeostasis and gut microbiota interactions in IBD. *Nature Reviews Gastroenterology and Hepatology*, **2020**, 17, 597-617	24.2	45
66	Cosmc is an X-linked inflammatory bowel disease risk gene that spatially regulates gut microbiota and contributes to sex-specific risk. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 14787-14792	11.5	44
65	Redox signaling mediates symbiosis between the gut microbiota and the intestine. *Gut Microbes*, **2014**, 5, 250-3	8.8	39
64	Molecular aspects of intestinal epithelial cell-bacterial interactions that determine the development of intestinal inflammation. *Inflammatory Bowel Diseases*, **2004**, 10, 159-68	4.5	37
63	Interactions Between Commensal Bacteria and Enteric Neurons, via FPR1 Induction of ROS, Increase Gastrointestinal Motility in Mice. *Gastroenterology*, **2019**, 157, 179-192.e2	13.3	33
62	New insights into probiotic mechanisms: a harvest from functional and metagenomic studies. *Gut Microbes*, **2013**, 4, 94-100	8.8	32
61	Bacterial inhibition of eukaryotic pro-inflammatory pathways. *Immunologic Research*, **2004**, 29, 175-86	4.3	31
60	Microbial-induced immunomodulation by targeting the NF-B system. *Trends in Microbiology*, **2011**, 19, 596-605	12.4	26
59	Recognition of bacterial pathogens and mucosal immunity. *Cellular Microbiology*, **2011**, 13, 670-6	3.9	26

58	Initiation of Parkinson's disease from gut to brain by δ-secretase. *Cell Research*, **2020**, 30, 70-87	24.7	23
57	Human microbiome science: vision for the future, Bethesda, MD, July 24 to 26, 2013. *Microbiome*, **2014**, 2,	16.6	18
56	Bioengineering Bacterially Derived Immunomodulants: A Therapeutic Approach to Inflammatory Bowel Disease. *ACS Nano*, **2017**, 11, 9650-9662	16.7	17
55	Recombinant SARS-CoV-2 genomes are currently circulating at low levels **2021**,		16
54	Commensal microbiota-induced redox signaling activates proliferative signals in the intestinal stem cell microenvironment. *Development (Cambridge)*, **2019**, 146,	6.6	16
53	Formyl peptide receptor 2 regulates monocyte recruitment to promote intestinal mucosal wound repair. *FASEB Journal*, **2019**, 33, 13632-13643	0.9	15
52	Electroporation-mediated delivery of molecules to model intestinal epithelia. *International Journal of Pharmaceutics*, **2004**, 270, 127-38	6.5	14
51	Proteomic analysis of microbial induced redox-dependent intestinal signaling. *Redox Biology*, **2019**, 20, 526-532	11.3	14
50	NF-B and mucosal homeostasis. *Current Topics in Microbiology and Immunology*, **2011**, 349, 145-58	3.3	13
49	Interaction of bacteria and bacterial toxins with intestinal epithelial cells. *Current Gastroenterology Reports*, **2001**, 3, 392-8	5	13
48	Comparison of Antibody Class-Specific SARS-CoV-2 Serologies for the Diagnosis of Acute COVID-19. *Journal of Clinical Microbiology*, **2021**, 59,	9.7	13
47	TLRS in the gut. II. Flagellin-induced inflammation and antiapoptosis. *American Journal of Physiology - Renal Physiology*, **2007**, 292, G462-6	5.1	12
46	Neutrophil-Derived Reactive Oxygen Orchestrates Epithelial Cell Signaling Events during Intestinal Repair. *American Journal of Pathology*, **2019**, 189, 2221-2232	5.8	10
45	Plasmid DNA and siRNA transfection of intestinal epithelial monolayers by electroporation. *International Journal of Pharmaceutics*, **2006**, 315, 122-33	6.5	10
44	Galectin-9 Is a Novel Regulator of Epithelial Restitution. *American Journal of Pathology*, **2020**, 190, 1657-1666	5.8	10
43	Recombinant SARS-CoV-2 genomes circulated at low levels over the first year of the pandemic. *Virus Evolution*,	3.7	10
42	Gut Microbiota in Intestinal and Liver Disease. *Annual Review of Pathology: Mechanisms of Disease*, **2021**, 16, 251-275	34	9
41	Serum Amyloid A1 Is an Epithelial Prorestitutive Factor. *American Journal of Pathology*, **2018**, 188, 937-949	5.8	8

40	Microbial metabolite delta-valerobetaine is a diet-dependent obesogen.. *Nature Metabolism*, **2021**, 3, 1694-1705	14.6	7
39	Wild-type and mutant AvrA- Salmonella induce broadly similar immune pathways in the chicken ceca with key differences in signaling intermediates and inflammation. *Poultry Science*, **2016**, 95, 354-63	3.9	6
38	Are We Forgetting About IgA? A Re-examination of Coronavirus Disease 2019 Convalescent Plasma. *Transfusion*, **2021**, 61, 1740-1748	2.9	5
37	Redox control of Cas phosphorylation requires Abl kinase in regulation of intestinal epithelial cell spreading and migration. *American Journal of Physiology - Renal Physiology*, **2016**, 311, G458-65	5.1	5
36	Timing of developmental reduction in epithelial glutathione redox potential is associated with increased epithelial proliferation in the immature murine intestine. *Pediatric Research*, **2017**, 82, 362-369	3.2	3
35	Molecular Analysis of Microbiota-Host Cross-Talk in the Intestine. *Bioscience and Microflora*, **2010**, 29, 1-10		2
34	Regulation of the Hepatic Antioxidant Response by the Probiotic Lactobacillus rhamnosus GG. *FASEB Journal*, **2019**, 33, 369.5	0.9	2
33	Salmonella AvrA Modulates Innate Immune Signaling: A Mechanistic Analysis in Drosophila. *FASEB Journal*, **2007**, 21, A132	0.9	1
32	Commensal Lactobacillus modulate ROS-dependent cytoprotective gene expression in intestinal epithelia. *FASEB Journal*, **2013**, 27, 131.11	0.9	1
31	Symbiotic Lactobacilli Stimulate Metazoan Gut Proliferation via Induction of Reactive Oxygen Species by Nox1. *FASEB Journal*, **2013**, 27, 131.4	0.9	1
30	Microbial Interference with Host Inflammatory Responses175-190		1
29	Proline-Rich Acidic Protein 1 (PRAP1) Protects the Gastrointestinal Epithelium From Irradiation-Induced Apoptosis. *Cellular and Molecular Gastroenterology and Hepatology*, **2020**, 10, 713-727	7.9	1
28	The need for new test verification and regulatory support for innovative diagnostics. *Nature Biotechnology*, **2021**, 39, 1060-1062	44.5	1
27	Hydro-Cy3-Mediated Detection of Reactive Oxygen Species In Vitro and In Vivo. *Methods in Molecular Biology*, **2019**, 1982, 329-337	1.4	0
26	A Human Microbiota-Associated Murine Model for Assessing the Impact of the Vaginal Microbiota on Pregnancy Outcomes. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 570025	5.9	0
25	Preimmune Recognition and Response to Microbial Metabolites. *Physiology*, **2021**, 36, 94-101	9.8	0
24	371. Estimating SARS-CoV-2 Seroprevalence from Spent Blood Samples, January–March 2021. *Open Forum Infectious Diseases*, **2021**, 8, S287-S288	1	
23	Commensal bacteria stimulate rapid phosphorylation of epithelial focal adhesion kinase that results in host cytoskeletal rearrangements. *FASEB Journal*, **2007**, 21, A766	0.9	

22	Enteric commensal bacteria elicit epithelial ROS and modulate signaling via repression of cullin-dependent ubiquitination. *FASEB Journal*, **2007**, 21, A132	0.9
21	Identification of molecular anti-inflammatory mechanisms of adenosine: Cullin-1 deneddylation during hypoxic preconditioning (HPC). *FASEB Journal*, **2007**, 21, A131	0.9
20	Modulation of host apoptotic signaling by the Salmonella effector protein AvrA. *FASEB Journal*, **2008**, 22, 320.5	0.9
19	Commensal bacteria promote intestinal epithelial restitution by regulating FAK phosphorylation. *FASEB Journal*, **2008**, 22, 464.10	0.9
18	LACTOBACILLUS RHAMNOSUS SUPPRESSES EPITHELIAL APOPTOSIS BY UPREGULATING CYTOPROTECTIVE GENES IN THE IMMATURE GUT. *FASEB Journal*, **2008**, 22, 899.14	0.9
17	Salmonella evades host innate immunity via AvrA mediated inhibition of cytokine production and pro-apoptotic pathways. *FASEB Journal*, **2008**, 22, 899.13	0.9
16	A Drosophila genetic screen for the discovery of novel NF-kB and apoptotic regulatory genes. *FASEB Journal*, **2008**, 22, 899.17	0.9
15	PRAP1: A Novel Epithelial Secreted Protein. *FASEB Journal*, **2018**, 32, 406.8	0.9
14	Galectin-9 is a Novel Modulator of Epithelial Restitution. *FASEB Journal*, **2018**, 32, 414.1	0.9
13	Probiotic Lactobacilli Improves Intestinal Motility in Mice. *FASEB Journal*, **2018**, 32, 875.4	0.9
12	Functional Role of Microbiota-derived Metabolites in the GPCR-mediated Regulation of Intestinal Wound Healing and Barrier Function. *FASEB Journal*, **2019**, 33, 34.7	0.9
11	Lactobacilli -induced Generation of Reactive Oxygen Species via Formyl Peptide Receptor-1 (FPR1) Regulates Intestinal Motility in Mice. *FASEB Journal*, **2019**, 33, 763.1	0.9
10	Salmonella enterica serovar Typhimurium flagellin modulates CD4+ T cell apoptosis in Peyer's patches and spleen. *FASEB Journal*, **2009**, 23, 570.19	0.9
9	Formylated Peptide Receptor Mediated Commensal-Epithelial Signaling. *FASEB Journal*, **2009**, 23, 570.18	0.9
8	Salmonella effector AvrA promotes cellular proliferation. *FASEB Journal*, **2009**, 23, 45.7	0.9
7	Indigenous microbiota influence epithelial homeostasis through the activation of Reactive Oxygen Species. *FASEB Journal*, **2010**, 24, 117.2	0.9
6	Salmonella effector protein AvrA influences bacterial dissemination and persistence within the host. *FASEB Journal*, **2010**, 24, 1030.19	0.9
5	Commensal-epithlial signaling mediated via Formyl Peptide Receptor. *FASEB Journal*, **2010**, 24, 952.9	0.9

4	Lactobacillus colonization induces ROS-dependent intestinal development. *FASEB Journal*, **2012**, 26, 394.2	0.9
3	Commensal microbiota modulate ROS-dependent cytoprotective gene expression in Drosophila intestinal epithelia. *FASEB Journal*, **2012**, 26, 394.3	0.9
2	N-formyl peptide receptor-1 is important for homeostasis of intestinal epithelial cells. *FASEB Journal*, **2012**, 26, 56.2	0.9
1	The N-Formyl peptide receptor 1 (FPR1) is required for enteric commensal mediated mucosal homeostasis and restitution. *FASEB Journal*, **2013**, 27, 132.8	0.9