Noah F Shroyer

List of Publications by Year in Descending Order

91 papers	10,751 citations	41 h-index	94 g-index
94 ext. papers	12,514 ext. citations	10.5 avg, IF	5.78 L-index

#	Paper	IF	Citations
91	Evaluation of Murine Host Sex as a Biological Variable in Transplanted Human Intestinal Organoid Development.. *Digestive Diseases and Sciences*, **2022**, 1	4	
90	Drivers of transcriptional variance in human intestinal epithelial organoids. *Physiological Genomics*, **2021**, 53, 486-508	3.6	2
89	Ontogeny and function of the circadian clock in intestinal organoids. *EMBO Journal*, **2021**, e106973	13	5
88	Vitamin D Receptor Gene Single Nucleotide Polymorphisms and Association With Vitamin D Levels and Endoscopic Disease Activity in Inflammatory Bowel Disease Patients: A Pilot Study. *Inflammatory Bowel Diseases*, **2021**, 27, 1263-1269	4.5	2
87	Telomere dysfunction instigates inflammation in inflammatory bowel disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	5
86	In Vivo Transplantation of Human Intestinal Organoids Enhances Select Tight Junction Gene Expression. *Journal of Surgical Research*, **2021**, 259, 500-508	2.5	5
85	Human-Derived Bifidobacterium dentium Modulates the Mammalian Serotonergic System and Gut-Brain Axis. *Cellular and Molecular Gastroenterology and Hepatology*, **2021**, 11, 221-248	7.9	26
84	Enteropathogenic Escherichia coli Infection in Cancer and Immunosuppressed Patients. *Clinical Infectious Diseases*, **2021**, 72, e620-e629	11.6	3
83	Effect of substrate stiffness on human intestinal enteroidsSinfectivity by enteroaggregative Escherichia coli. *Acta Biomaterialia*, **2021**, 132, 245-259	10.8	1
82	Paneth cells promote angiogenesis and regulate portal hypertension in response to microbial signals. *Journal of Hepatology*, **2020**, 73, 628-639	13.4	7
81	Models of the Small Intestine: Engineering Challenges and Engineering Solutions. *Tissue Engineering - Part B: Reviews*, **2020**, 26, 313-326	7.9	14
80	Enteroaggregative E. coli Adherence to Human Heparan Sulfate Proteoglycans Drives Segment and Host Specific Responses to Infection. *PLoS Pathogens*, **2020**, 16, e1008851	7.6	12
79	Analysis of 1,25-Dihydroxyvitamin D Genomic Action Reveals Calcium-Regulating and Calcium-Independent Effects in Mouse Intestine and Human Enteroids. *Molecular and Cellular Biology*, **2020**, 41,	4.8	10
78	Telomere dysfunction activates YAP1 to drive tissue inflammation. *Nature Communications*, **2020**, 11, 4766	17.4	15
77	Vitamin D and the intestine: Review and update. *Journal of Steroid Biochemistry and Molecular Biology*, **2020**, 196, 105501	5.1	13
76	Enteroaggregative E. coli Adherence to Human Heparan Sulfate Proteoglycans Drives Segment and Host Specific Responses to Infection **2020**, 16, e1008851		
75	Enteroaggregative E. coli Adherence to Human Heparan Sulfate Proteoglycans Drives Segment and Host Specific Responses to Infection **2020**, 16, e1008851		

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73	Enteroaggregative E. coli Adherence to Human Heparan Sulfate Proteoglycans Drives Segment and Host Specific Responses to Infection **2020**, 16, e1008851		
72	Cellular Plasticity of Defa4-Expressing Paneth Cells in Response to Notch Activation and Intestinal Injury. *Cellular and Molecular Gastroenterology and Hepatology*, **2019**, 7, 533-554	7.9	39
71	Is a Tumor Suppressor Gene in Colorectal Cancer. *Molecular Cancer Research*, **2019**, 17, 697-708	6.6	16
70	An Organoid-Based Preclinical Model of Human Gastric Cancer. *Cellular and Molecular Gastroenterology and Hepatology*, **2019**, 7, 161-184	7.9	47
69	Epithelial WNT Ligands Are Essential Drivers of Intestinal Stem Cell Activation. *Cell Reports*, **2018**, 22, 1003-1015	10.6	33
68	Sox4 Promotes Atoh1-Independent Intestinal Secretory Differentiation Toward Tuft and Enteroendocrine Fates. *Gastroenterology*, **2018**, 155, 1508-1523.e10	13.3	35
67	A Method for Cryogenic Preservation of Human Biopsy Specimens and Subsequent Organoid Culture. *Cellular and Molecular Gastroenterology and Hepatology*, **2018**, 6, 218-222.e7	7.9	41
66	WNT Signaling in the Intestine: Development, Homeostasis, Disease **2018**, 185-196		1
65	Transcriptional Regulation by ATOH1 and its Target SPDEF in the Intestine. *Cellular and Molecular Gastroenterology and Hepatology*, **2017**, 3, 51-71	7.9	36
64	Using primary murine intestinal enteroids to study dietary TAG absorption, lipoprotein synthesis, and the role of apoC-III in the intestine. *Journal of Lipid Research*, **2017**, 58, 853-865	6.3	22
63	SPDEF Induces Quiescence of Colorectal Cancer Cells by Changing the Transcriptional Targets of catenin. *Gastroenterology*, **2017**, 153, 205-218.e8	13.3	20
62	Differentiation of Human Pluripotent Stem Cells into Colonic Organoids via Transient Activation of BMP Signaling. *Cell Stem Cell*, **2017**, 21, 51-64.e6	18	143
61	Engineering bacterial thiosulfate and tetrathionate sensors for detecting gut inflammation. *Molecular Systems Biology*, **2017**, 13, 923	12.2	112
60	The ErbB3 receptor tyrosine kinase negatively regulates Paneth cells by PI3K-dependent suppression of Atoh1. *Cell Death and Differentiation*, **2017**, 24, 855-865	12.7	20
59	Organogenesis of the Gastrointestinal Tract **2017**, 861-870.e2		
58	Tumor Organoids Fill the Niche. *Cell Stem Cell*, **2016**, 18, 686-687	18	13
57	Krüppel-like factor 5 is required for proper maintenance of adult intestinal crypt cellular proliferation. *Digestive Diseases and Sciences*, **2015**, 60, 86-100	4	10

56	The transcriptional corepressor MTGR1 regulates intestinal secretory lineage allocation. *FASEB Journal*, **2015**, 29, 786-95	0.9	8
55	Glutamine and alanyl-glutamine promote crypt expansion and mTOR signaling in murine enteroids. *American Journal of Physiology - Renal Physiology*, **2015**, 308, G831-9	5.1	35
54	Somatic stem cell heterogeneity: diversity in the blood, skin and intestinal stem cell compartments. *Nature Reviews Molecular Cell Biology*, **2015**, 16, 299-309	48.7	107
53	Helicobacter pylori targets cancer-associated apical-junctional constituents in gastroids and gastric epithelial cells. *Gut*, **2015**, 64, 720-30	19.2	98
52	Characterization of stem/progenitor cell cycle using murine circumvallate papilla taste bud organoid. *Scientific Reports*, **2015**, 5, 17185	4.9	35
51	Establishment of human epithelial enteroids and colonoids from whole tissue and biopsy. *Journal of Visualized Experiments*, **2015**,	1.6	77
50	The use of murine-derived fundic organoids in studies of gastric physiology. *Journal of Physiology*, **2015**, 593, 1809-27	3.9	85
49	Selenoprotein P influences colitis-induced tumorigenesis by mediating stemness and oxidative damage. *Journal of Clinical Investigation*, **2015**, 125, 2646-60	15.9	62
48	Transcriptome-wide Analysis Reveals Hallmarks of Human Intestine Development and Maturation In□Vitro and In□Vivo. *Stem Cell Reports*, **2015**,	8	155
47	Interleukin-22 promotes intestinal-stem-cell-mediated epithelial regeneration. *Nature*, **2015**, 528, 560-564	50.4	573
46	Activated STAT5 confers resistance to intestinal injury by increasing intestinal stem cell proliferation and regeneration. *Stem Cell Reports*, **2015**, 4, 209-25	8	47
45	Biology of Intestinal Epithelial Stem Cells **2015**, 55-99		
44	An in vivo model of human small intestine using pluripotent stem cells. *Nature Medicine*, **2014**, 20, 1310-4	50.5	380
43	Indian Hedgehog mediates gastrin-induced proliferation in stomach of adult mice. *Gastroenterology* , **2014**, 147, 655-666.e9	13.3	33
42	Robust circadian rhythms in organoid cultures from PERIOD2::LUCIFERASE mouse small intestine. *DMM Disease Models and Mechanisms*, **2014**, 7, 1123-30	4.1	31
41	Intestinal stem cells remain viable after prolonged tissue storage. *Cell and Tissue Research*, **2013**, 354, 441-50	4.2	14
40	SPDEF functions as a colorectal tumor suppressor by inhibiting □catenin activity. *Gastroenterology*, **2013**, 144, 1012-1023.e6	13.3	28
39	Kruppel-like factor 5 controls villus formation and initiation of cytodifferentiation in the embryonic intestinal epithelium. *Developmental Biology*, **2013**, 375, 128-39	3.1	30

38	Notch in the intestine: regulation of homeostasis and pathogenesis. *Annual Review of Physiology*, **2013**, 75, 263-88	23.1	118
37	Establishment of Gastrointestinal Epithelial Organoids. *Current Protocols in Mouse Biology*, **2013**, 3, 217-40	4.1	182
36	Antenatal ureaplasma infection impairs development of the fetal ovine gut in an IL-1-dependent manner. *Mucosal Immunology*, **2013**, 6, 547-56	9.2	40
35	Enterocyte STAT5 promotes mucosal wound healing via suppression of myosin light chain kinase-mediated loss of barrier function and inflammation. *EMBO Molecular Medicine*, **2012**, 4, 109-24	12	54
34	Intestinal crypts reproducibly expand in culture. *Journal of Surgical Research*, **2012**, 178, 48-54	2.5	48
33	Functional intestinal stem cells after Paneth cell ablation induced by the loss of transcription factor Math1 (Atoh1). *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 8965-70	11.5	225
32	Stem cell-derived human intestinal organoids as an infection model for rotaviruses. *MBio*, **2012**, 3, e00159-12	7.8	181
31	Insulin concentration modulates hepatic lipid accumulation in mice in part via transcriptional regulation of fatty acid transport proteins. *PLoS ONE*, **2012**, 7, e38952	3.7	20
30	GATA factors regulate proliferation, differentiation, and gene expression in small intestine of mature mice. *Gastroenterology*, **2011**, 140, 1219-1229.e1-2	13.3	77
29	Paneth cells constitute the niche for Lgr5 stem cells in intestinal crypts. *Nature*, **2011**, 469, 415-8	50.4	1671
28	Directed differentiation of human pluripotent stem cells into intestinal tissue in vitro. *Nature*, **2011**, 470, 105-9	50.4	1222
27	Intestinal development and differentiation. *Experimental Cell Research*, **2011**, 317, 2702-10	4.2	217
26	Anatomy and Physiology of the Small and Large Intestines **2011**, 324-336.e2		10
25	NOTCH Signaling and ATOH1 in Colorectal Cancers. *Current Colorectal Cancer Reports*, **2011**, 7, 121-127	1	27
24	Vertebrate intestinal endoderm development. *Developmental Dynamics*, **2011**, 240, 501-20	2.9	125
23	Interleukin-13 (IL-13)/IL-13 receptor alpha1 (IL-13Ralpha1) signaling regulates intestinal epithelial cystic fibrosis transmembrane conductance regulator channel-dependent Cl- secretion. *Journal of Biological Chemistry*, **2011**, 286, 13357-69	5.4	36
22	Complex interplay between □-catenin signalling and Notch effectors in intestinal tumorigenesis. *Gut*, **2011**, 60, 166-76	19.2	97
21	Distinct ATOH1 and Neurog3 requirements define tuft cells as a new secretory cell type in the intestinal epithelium. *Journal of Cell Biology*, **2011**, 192, 767-80	7.3	257

20	268 Atonal Homolog 1 (ATOH1) is Essential for Growth and Differentiation Effects of Notch/ Secretase Inhibitors on Normal and Cancerous Intestinal Epithelial Cells. *Gastroenterology*, **2010**, 138, S-50	13.3	2
19	Atonal homolog 1 is required for growth and differentiation effects of notch/gamma-secretase inhibitors on normal and cancerous intestinal epithelial cells. *Gastroenterology*, **2010**, 139, 918-28, 928.e1-6	13.3	70
18	Intestinal adaptation after ileal interposition surgery increases bile acid recycling and protects against obesity-related comorbidities. *American Journal of Physiology - Renal Physiology*, **2010**, 299, G652-60	5.1	119
17	Gfi1-cells and circuits: unraveling transcriptional networks of development and disease. *Current Opinion in Hematology*, **2010**, 17, 300-7	3.3	50
16	SAM pointed domain ETS factor (SPDEF) regulates terminal differentiation and maturation of intestinal goblet cells. *Experimental Cell Research*, **2010**, 316, 452-65	4.2	124
15	Atonal homolog 1 is a tumor suppressor gene. *PLoS Biology*, **2009**, 7, e39	9.7	89
14	Intestine-specific ablation of mouse atonal homolog 1 (Math1) reveals a role in cellular homeostasis. *Gastroenterology*, **2007**, 132, 2478-88	13.3	225
13	BMP signaling in the intestine: cross-talk is key. *Gastroenterology*, **2007**, 133, 1035-8	13.3	17
12	Identification of epithelial gaps in human small and large intestine by confocal endomicroscopy. *Gastroenterology*, **2007**, 133, 1769-78	13.3	174
11	Gfi1 functions downstream of Math1 to control intestinal secretory cell subtype allocation and differentiation. *Genes and Development*, **2005**, 19, 2412-7	12.6	237
10	An ABCA4 genomic deletion in patients with Stargardt disease. *Human Mutation*, **2003**, 21, 636-44	4.7	35
9	Late-onset Stargardt disease is associated with missense mutations that map outside known functional regions of ABCR (ABCA4). *Human Genetics*, **2001**, 108, 346-55	6.3	113
8	Fundus albipunctatus and retinitis punctata albescens in a pedigree with an R150Q mutation in RLBP1. *Clinical Genetics*, **2001**, 59, 424-9	4	50
7	Analysis of the ABCR (ABCA4) gene in 4-aminoquinoline retinopathy: is retinal toxicity by chloroquine and hydroxychloroquine related to Stargardt disease?. *American Journal of Ophthalmology*, **2001**, 131, 761-6	4.9	77
6	Cosegregation and functional analysis of mutant ABCR (ABCA4) alleles in families that manifest both Stargardt disease and age-related macular degeneration. *Human Molecular Genetics*, **2001**, 10, 2671-8	5.6	90
5	Genotype/Phenotype analysis of a photoreceptor-specific ATP-binding cassette transporter gene, ABCR, in Stargardt disease. *American Journal of Human Genetics*, **1999**, 64, 422-34	11	241
4	The rod photoreceptor ATP-binding cassette transporter gene, ABCR, and retinal disease: from monogenic to multifactorial. *Vision Research*, **1999**, 39, 2537-44	2.1	99
3	Mutation of the Stargardt disease gene (ABCR) in age-related macular degeneration. *Science*, **1997**, 277, 1805-7	33.3	742

2	A photoreceptor cell-specific ATP-binding transporter gene (ABCR) is mutated in recessive Stargardt macular dystrophy. *Nature Genetics*, **1997**, 15, 236-46	36.3	1083
1	Drivers of Transcriptional Variance in Human Intestinal Epithelial Organoids		1