

Noah F Shroyer

List of Publications by Citations

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

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	Paneth cells constitute the niche for Lgr5 stem cells in intestinal crypts. <i>Nature</i> , 2011 , 469, 415-8	50.4	1671
90	Directed differentiation of human pluripotent stem cells into intestinal tissue in vitro. <i>Nature</i> , 2011 , 470, 105-9	50.4	1222
89	A photoreceptor cell-specific ATP-binding transporter gene (ABCR) is mutated in recessive Stargardt macular dystrophy. <i>Nature Genetics</i> , 1997 , 15, 236-46	36.3	1083
88	Mutation of the Stargardt disease gene (ABCR) in age-related macular degeneration. <i>Science</i> , 1997 , 277, 1805-7	33.3	742
87	Interleukin-22 promotes intestinal-stem-cell-mediated epithelial regeneration. <i>Nature</i> , 2015 , 528, 560-564	50.4	573
86	An in vivo model of human small intestine using pluripotent stem cells. <i>Nature Medicine</i> , 2014 , 20, 1310-4	50.5	380
85	Distinct ATOH1 and Neurog3 requirements define tuft cells as a new secretory cell type in the intestinal epithelium. <i>Journal of Cell Biology</i> , 2011 , 192, 767-80	7.3	257
84	Genotype/Phenotype analysis of a photoreceptor-specific ATP-binding cassette transporter gene, ABCR, in Stargardt disease. <i>American Journal of Human Genetics</i> , 1999 , 64, 422-34	11	241
83	Gfi1 functions downstream of Math1 to control intestinal secretory cell subtype allocation and differentiation. <i>Genes and Development</i> , 2005 , 19, 2412-7	12.6	237
82	Functional intestinal stem cells after Paneth cell ablation induced by the loss of transcription factor Math1 (Atoh1). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 8965-70	11.5	225
81	Intestine-specific ablation of mouse atonal homolog 1 (Math1) reveals a role in cellular homeostasis. <i>Gastroenterology</i> , 2007 , 132, 2478-88	13.3	225
80	Intestinal development and differentiation. <i>Experimental Cell Research</i> , 2011 , 317, 2702-10	4.2	217
79	Establishment of Gastrointestinal Epithelial Organoids. <i>Current Protocols in Mouse Biology</i> , 2013 , 3, 217-40	4.1	182
78	Stem cell-derived human intestinal organoids as an infection model for rotaviruses. <i>MBio</i> , 2012 , 3, e00159812	9.8	181
77	Identification of epithelial gaps in human small and large intestine by confocal endomicroscopy. <i>Gastroenterology</i> , 2007 , 133, 1769-78	13.3	174
76	Transcriptome-wide Analysis Reveals Hallmarks of Human Intestine Development and Maturation In Vitro and In Vivo. <i>Stem Cell Reports</i> , 2015 ,	8	155
75	Differentiation of Human Pluripotent Stem Cells into Colonic Organoids via Transient Activation of BMP Signaling. <i>Cell Stem Cell</i> , 2017 , 21, 51-64.e6	18	143

74	Vertebrate intestinal endoderm development. <i>Developmental Dynamics</i> , 2011 , 240, 501-20	2.9	125
73	SAM pointed domain ETS factor (SPDEF) regulates terminal differentiation and maturation of intestinal goblet cells. <i>Experimental Cell Research</i> , 2010 , 316, 452-65	4.2	124
72	Intestinal adaptation after ileal interposition surgery increases bile acid recycling and protects against obesity-related comorbidities. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 299, G652-60	5.1	119
71	Notch in the intestine: regulation of homeostasis and pathogenesis. <i>Annual Review of Physiology</i> , 2013 , 75, 263-88	23.1	118
70	Late-onset Stargardt disease is associated with missense mutations that map outside known functional regions of ABCR (ABCA4). <i>Human Genetics</i> , 2001 , 108, 346-55	6.3	113
69	Engineering bacterial thiosulfate and tetrathionate sensors for detecting gut inflammation. <i>Molecular Systems Biology</i> , 2017 , 13, 923	12.2	112
68	Somatic stem cell heterogeneity: diversity in the blood, skin and intestinal stem cell compartments. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 299-309	48.7	107
67	The rod photoreceptor ATP-binding cassette transporter gene, ABCR, and retinal disease: from monogenic to multifactorial. <i>Vision Research</i> , 1999 , 39, 2537-44	2.1	99
66	<i>Helicobacter pylori</i> targets cancer-associated apical-junctional constituents in gastroids and gastric epithelial cells. <i>Gut</i> , 2015 , 64, 720-30	19.2	98
65	Complex interplay between Eatenin signalling and Notch effectors in intestinal tumorigenesis. <i>Gut</i> , 2011 , 60, 166-76	19.2	97
64	Cosegregation and functional analysis of mutant ABCR (ABCA4) alleles in families that manifest both Stargardt disease and age-related macular degeneration. <i>Human Molecular Genetics</i> , 2001 , 10, 2671-8	5.6	90
63	Atonal homolog 1 is a tumor suppressor gene. <i>PLoS Biology</i> , 2009 , 7, e39	9.7	89
62	The use of murine-derived fundic organoids in studies of gastric physiology. <i>Journal of Physiology</i> , 2015 , 593, 1809-27	3.9	85
61	Establishment of human epithelial enteroids and colonoids from whole tissue and biopsy. <i>Journal of Visualized Experiments</i> , 2015 ,	1.6	77
60	GATA factors regulate proliferation, differentiation, and gene expression in small intestine of mature mice. <i>Gastroenterology</i> , 2011 , 140, 1219-1229.e1-2	13.3	77
59	Analysis of the ABCR (ABCA4) gene in 4-aminoquinoline retinopathy: is retinal toxicity by chloroquine and hydroxychloroquine related to Stargardt disease?. <i>American Journal of Ophthalmology</i> , 2001 , 131, 761-6	4.9	77
58	Atonal homolog 1 is required for growth and differentiation effects of notch/gamma-secretase inhibitors on normal and cancerous intestinal epithelial cells. <i>Gastroenterology</i> , 2010 , 139, 918-28, 928.e1-6	13.3	70
57	Selenoprotein P influences colitis-induced tumorigenesis by mediating stemness and oxidative damage. <i>Journal of Clinical Investigation</i> , 2015 , 125, 2646-60	15.9	62

56	Enterocyte STAT5 promotes mucosal wound healing via suppression of myosin light chain kinase-mediated loss of barrier function and inflammation. <i>EMBO Molecular Medicine</i> , 2012 , 4, 109-24	12	54
55	Gfi1-cells and circuits: unraveling transcriptional networks of development and disease. <i>Current Opinion in Hematology</i> , 2010 , 17, 300-7	3.3	50
54	Fundus albipunctatus and retinitis punctata albescens in a pedigree with an R150Q mutation in RLBP1. <i>Clinical Genetics</i> , 2001 , 59, 424-9	4	50
53	Intestinal crypts reproducibly expand in culture. <i>Journal of Surgical Research</i> , 2012 , 178, 48-54	2.5	48
52	Activated STAT5 confers resistance to intestinal injury by increasing intestinal stem cell proliferation and regeneration. <i>Stem Cell Reports</i> , 2015 , 4, 209-25	8	47
51	An Organoid-Based Preclinical Model of Human Gastric Cancer. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019 , 7, 161-184	7.9	47
50	A Method for Cryogenic Preservation of Human Biopsy Specimens and Subsequent Organoid Culture. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018 , 6, 218-222.e7	7.9	41
49	Antenatal ureaplasma infection impairs development of the fetal ovine gut in an IL-1-dependent manner. <i>Mucosal Immunology</i> , 2013 , 6, 547-56	9.2	40
48	Cellular Plasticity of Defa4-Expressing Paneth Cells in Response to Notch Activation and Intestinal Injury. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019 , 7, 533-554	7.9	39
47	Transcriptional Regulation by ATOH1 and its Target SPDEF in the Intestine. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2017 , 3, 51-71	7.9	36
46	Interleukin-13 (IL-13)/IL-13 receptor alpha1 (IL-13Ralpha1) signaling regulates intestinal epithelial cystic fibrosis transmembrane conductance regulator channel-dependent Cl ⁻ secretion. <i>Journal of Biological Chemistry</i> , 2011 , 286, 13357-69	5.4	36
45	Glutamine and alanyl-glutamine promote crypt expansion and mTOR signaling in murine enteroids. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 308, G831-9	5.1	35
44	Characterization of stem/progenitor cell cycle using murine circumvallate papilla taste bud organoid. <i>Scientific Reports</i> , 2015 , 5, 17185	4.9	35
43	An ABCA4 genomic deletion in patients with Stargardt disease. <i>Human Mutation</i> , 2003 , 21, 636-44	4.7	35
42	Sox4 Promotes Atoh1-Independent Intestinal Secretory Differentiation Toward Tuft and Enteroendocrine Fates. <i>Gastroenterology</i> , 2018 , 155, 1508-1523.e10	13.3	35
41	Epithelial WNT Ligands Are Essential Drivers of Intestinal Stem Cell Activation. <i>Cell Reports</i> , 2018 , 22, 1003-1015	10.6	33
40	Indian Hedgehog mediates gastrin-induced proliferation in stomach of adult mice. <i>Gastroenterology</i> , 2014 , 147, 655-666.e9	13.3	33
39	Robust circadian rhythms in organoid cultures from PERIOD2::LUCIFERASE mouse small intestine. <i>DMM Disease Models and Mechanisms</i> , 2014 , 7, 1123-30	4.1	31

38	Kruppel-like factor 5 controls villus formation and initiation of cytodifferentiation in the embryonic intestinal epithelium. <i>Developmental Biology</i> , 2013 , 375, 128-39	3.1	30
37	SPDEF functions as a colorectal tumor suppressor by inhibiting β catenin activity. <i>Gastroenterology</i> , 2013 , 144, 1012-1023.e6	13.3	28
36	NOTCH Signaling and ATOH1 in Colorectal Cancers. <i>Current Colorectal Cancer Reports</i> , 2011 , 7, 121-127	1	27
35	Human-Derived Bifidobacterium dentium Modulates the Mammalian Serotonergic System and Gut-Brain Axis. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021 , 11, 221-248	7.9	26
34	Using primary murine intestinal enteroids to study dietary TAG absorption, lipoprotein synthesis, and the role of apoC-III in the intestine. <i>Journal of Lipid Research</i> , 2017 , 58, 853-865	6.3	22
33	SPDEF Induces Quiescence of Colorectal Cancer Cells by Changing the Transcriptional Targets of β catenin. <i>Gastroenterology</i> , 2017 , 153, 205-218.e8	13.3	20
32	The ErbB3 receptor tyrosine kinase negatively regulates Paneth cells by PI3K-dependent suppression of Atoh1. <i>Cell Death and Differentiation</i> , 2017 , 24, 855-865	12.7	20
31	Insulin concentration modulates hepatic lipid accumulation in mice in part via transcriptional regulation of fatty acid transport proteins. <i>PLoS ONE</i> , 2012 , 7, e38952	3.7	20
30	BMP signaling in the intestine: cross-talk is key. <i>Gastroenterology</i> , 2007 , 133, 1035-8	13.3	17
29	Is a Tumor Suppressor Gene in Colorectal Cancer. <i>Molecular Cancer Research</i> , 2019 , 17, 697-708	6.6	16
28	Telomere dysfunction activates YAP1 to drive tissue inflammation. <i>Nature Communications</i> , 2020 , 11, 4766	17.4	15
27	Models of the Small Intestine: Engineering Challenges and Engineering Solutions. <i>Tissue Engineering - Part B: Reviews</i> , 2020 , 26, 313-326	7.9	14
26	Intestinal stem cells remain viable after prolonged tissue storage. <i>Cell and Tissue Research</i> , 2013 , 354, 441-50	4.2	14
25	Tumor Organoids Fill the Niche. <i>Cell Stem Cell</i> , 2016 , 18, 686-687	18	13
24	Vitamin D and the intestine: Review and update. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020 , 196, 105501	5.1	13
23	Enteroaggregative E. coli Adherence to Human Heparan Sulfate Proteoglycans Drives Segment and Host Specific Responses to Infection. <i>PLoS Pathogens</i> , 2020 , 16, e1008851	7.6	12
22	Kruppel-like factor 5 is required for proper maintenance of adult intestinal crypt cellular proliferation. <i>Digestive Diseases and Sciences</i> , 2015 , 60, 86-100	4	10
21	Anatomy and Physiology of the Small and Large Intestines 2011 , 324-336.e2		10

20	Analysis of 1,25-Dihydroxyvitamin D Genomic Action Reveals Calcium-Regulating and Calcium-Independent Effects in Mouse Intestine and Human Enteroids. <i>Molecular and Cellular Biology</i> , 2020 , 41,	4.8	10
19	The transcriptional corepressor MTGR1 regulates intestinal secretory lineage allocation. <i>FASEB Journal</i> , 2015 , 29, 786-95	0.9	8
18	Paneth cells promote angiogenesis and regulate portal hypertension in response to microbial signals. <i>Journal of Hepatology</i> , 2020 , 73, 628-639	13.4	7
17	Ontogeny and function of the circadian clock in intestinal organoids. <i>EMBO Journal</i> , 2021 , e106973	13	5
16	Telomere dysfunction instigates inflammation in inflammatory bowel disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
15	In Vivo Transplantation of Human Intestinal Organoids Enhances Select Tight Junction Gene Expression. <i>Journal of Surgical Research</i> , 2021 , 259, 500-508	2.5	5
14	Enteropathogenic Escherichia coli Infection in Cancer and Immunosuppressed Patients. <i>Clinical Infectious Diseases</i> , 2021 , 72, e620-e629	11.6	3
13	268 Atonal Homolog 1 (ATOH1) is Essential for Growth and Differentiation Effects of Notch/Secretase Inhibitors on Normal and Cancerous Intestinal Epithelial Cells. <i>Gastroenterology</i> , 2010 , 138, S-50	13.3	2
12	Drivers of transcriptional variance in human intestinal epithelial organoids. <i>Physiological Genomics</i> , 2021 , 53, 486-508	3.6	2
11	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. <i>Inflammatory Bowel Diseases</i> , 2021 , 27, 1263-1269	4.5	2
10	Drivers of Transcriptional Variance in Human Intestinal Epithelial Organoids		1
9	WNT Signaling in the Intestine: Development, Homeostasis, Disease 2018 , 185-196		1
8	Effect of substrate stiffness on human intestinal enteroids infectivity by enteroaggregative Escherichia coli. <i>Acta Biomaterialia</i> , 2021 , 132, 245-259	10.8	1
7	Organogenesis of the Gastrointestinal Tract 2017 , 861-870.e2		
6	Biology of Intestinal Epithelial Stem Cells 2015 , 55-99		
5	Evaluation of Murine Host Sex as a Biological Variable in Transplanted Human Intestinal Organoid Development.. <i>Digestive Diseases and Sciences</i> , 2022 , 1	4	
4	Enteroaggregative E. coli Adherence to Human Heparan Sulfate Proteoglycans Drives Segment and Host Specific Responses to Infection 2020 , 16, e1008851		
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1 Enteroaggregative E. coli Adherence to Human Heparan Sulfate Proteoglycans Drives Segment and Host Specific Responses to Infection **2020**, 16, e1008851