

Nan Gao

List of Publications by Year in Descending Order

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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.

42
papers

1,956
citations

24
h-index

44
g-index

51
ext. papers

2,472
ext. citations

9.4
avg, IF

4.76
L-index

#	Paper	IF	Citations
42	Colonic healing requires WNT produced by epithelium as well as Tagln+ and Acta2+ stromal cells.. <i>Development (Cambridge)</i> , 2021 ,	6.6	3
41	1,25-Dihydroxyvitamin D and dietary vitamin D reduce inflammation in mice lacking intestinal epithelial cell Rab11a. <i>Journal of Cellular Physiology</i> , 2021 , 236, 8148	7	3
40	RAB11A-mediated YAP localization to adherens and tight junctions is essential for colonic epithelial integrity. <i>Journal of Biological Chemistry</i> , 2021 , 297, 100848	5.4	2
39	Rab8 attenuates Wnt signaling and is required for mesenchymal differentiation into adipocytes. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100488	5.4	3
38	Metaplastic Paneth Cells in Extra-Intestinal Mucosal Niche Indicate a Link to Microbiome and Inflammation. <i>Frontiers in Physiology</i> , 2020 , 11, 280	4.6	5
37	Elevating EGFR-MAPK program by a nonconventional Cdc42 enhances intestinal epithelial survival and regeneration. <i>JCI Insight</i> , 2020 , 5,	9.9	8
36	Paneth Cell-Derived Lysozyme Defines the Composition of Mucolytic Microbiota and the Inflammatory Tone of the Intestine. <i>Immunity</i> , 2020 , 53, 398-416.e8	32.3	29
35	LIF is essential for ISC function and protects against radiation-induced gastrointestinal syndrome. <i>Cell Death and Disease</i> , 2020 , 11, 588	9.8	7
34	Diet Diurnally Regulates Small Intestinal Microbiome-Epithelial-Immune Homeostasis and Enteritis. <i>Cell</i> , 2020 , 182, 1441-1459.e21	56.2	26
33	Recycling Endosomes in Mature Epithelia Restrain Tumorigenic Signaling. <i>Cancer Research</i> , 2019 , 79, 4099-4112	10.1	14
32	Insulin-like Growth Factor II: An Essential Adult Stem Cell Niche Constituent in Brain and Intestine. <i>Stem Cell Reports</i> , 2019 , 12, 816-830	8	27
31	Oncogenic Pathways and Loss of the Rab11 GTPase Synergize To Alter Metabolism in. <i>Genetics</i> , 2019 , 212, 1227-1239	4	6
30	Receptor-mediated endocytosis generates nanomechanical force reflective of ligand identity and cellular property. <i>Journal of Cellular Physiology</i> , 2018 , 233, 5908-5919	7	7
29	Paneth Cell Multipotency Induced by Notch Activation following Injury. <i>Cell Stem Cell</i> , 2018 , 23, 46-59.e518		116
28	Microbiota-Derived Lactate Accelerates Intestinal Stem-Cell-Mediated Epithelial Development. <i>Cell Host and Microbe</i> , 2018 , 24, 833-846.e6	23.4	143
27	From sensing to shaping microbiota: insights into the role of NOD2 in intestinal homeostasis and progression of Crohn's disease. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, G7-G13	5.1	16
26	A Wntless-SEC12 complex on the ER membrane regulates early Wnt secretory vesicle assembly and mature ligand export. <i>Journal of Cell Science</i> , 2017 , 130, 2159-2171	5.3	15

25	Disruption of Rab8a and Rab11a causes formation of basolateral microvilli in neonatal enteropathy. <i>Journal of Cell Science</i> , 2017 , 130, 2491-2505	5.3	16
24	Foxl1-expressing mesenchymal cells constitute the intestinal stem cell niche. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016 , 2, 175-188	7.9	147
23	Design, fabrication, and characterization of polymer-based cantilever probes for atomic force microscopes. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2016 , 34, 06K101	1.3	2
22	Paneth Cell in Adenomas of the Distal Colorectum Is Inversely Associated with Synchronous Advanced Adenoma and Carcinoma. <i>Scientific Reports</i> , 2016 , 6, 26129	4.9	13
21	RAB and RHO GTPases regulate intestinal crypt cell homeostasis and enterocyte function. <i>Small GTPases</i> , 2016 , 7, 59-64	2.7	9
20	Compartmentalizing intestinal epithelial cell toll-like receptors for immune surveillance. <i>Cellular and Molecular Life Sciences</i> , 2015 , 72, 3343-53	10.3	54
19	Transport, metabolism, and endosomal trafficking-dependent regulation of intestinal fructose absorption. <i>FASEB Journal</i> , 2015 , 29, 4046-58	0.9	53
18	Rab11a regulates syntaxin 3 localization and microvillus assembly in enterocytes. <i>Journal of Cell Science</i> , 2015 , 128, 1617-26	5.3	38
17	Postnatal epigenetic regulation of intestinal stem cells requires DNA methylation and is guided by the microbiome. <i>Genome Biology</i> , 2015 , 16, 211	18.3	82
16	Keeping Wnt signalosome in check by vesicular traffic. <i>Journal of Cellular Physiology</i> , 2015 , 230, 1170-807		42
15	Rab8a vesicles regulate Wnt ligand delivery and Paneth cell maturation at the intestinal stem cell niche. <i>Development (Cambridge)</i> , 2015 , 142, 2147-62	6.6	37
14	Fructose-induced increases in expression of intestinal fructolytic and gluconeogenic genes are regulated by GLUT5 and KHK. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 309, R499-509	3.2	51
13	Rab8a vesicles regulate Wnt ligand delivery and Paneth cell maturation at the intestinal stem cell niche. <i>Journal of Cell Science</i> , 2015 , 128, e1.2-e1.2	5.3	
12	CDC42 inhibition suppresses progression of incipient intestinal tumors. <i>Cancer Research</i> , 2014 , 74, 5480-92.1	20.1	39
11	Global ablation of the mouse Rab11a gene impairs early embryogenesis and matrix metalloproteinase secretion. <i>Journal of Biological Chemistry</i> , 2014 , 289, 32030-32043	5.4	27
10	TLR sorting by Rab11 endosomes maintains intestinal epithelial-microbial homeostasis. <i>EMBO Journal</i> , 2014 , 33, 1882-95	13	47
9	Indentation quantification for in-liquid nanomechanical measurement of soft material using an atomic force microscope: rate-dependent elastic modulus of live cells. <i>Physical Review E</i> , 2013 , 88, 052714	21.4	21
8	Wntless in Wnt secretion: molecular, cellular and genetic aspects. <i>Frontiers in Biology</i> , 2012 , 7, 587-593		37

7	Cdc42 and Rab8a are critical for intestinal stem cell division, survival, and differentiation in mice. <i>Journal of Clinical Investigation</i> , 2012 , 122, 1052-65	15.9	77
6	The nuclear pore complex protein Elys is required for genome stability in mouse intestinal epithelial progenitor cells. <i>Gastroenterology</i> , 2011 , 140, 1547-55.e10	13.3	28
5	Foxa1 and Foxa2 maintain the metabolic and secretory features of the mature beta-cell. <i>Molecular Endocrinology</i> , 2010 , 24, 1594-604		82
4	Cdx2 regulates endo-lysosomal function and epithelial cell polarity. <i>Genes and Development</i> , 2010 , 24, 1295-305	12.6	67
3	Establishment of intestinal identity and epithelial-mesenchymal signaling by Cdx2. <i>Developmental Cell</i> , 2009 , 16, 588-99	10.2	275
2	Dynamic regulation of Pdx1 enhancers by Foxa1 and Foxa2 is essential for pancreas development. <i>Genes and Development</i> , 2008 , 22, 3435-48	12.6	213
1	Foxa2 controls vesicle docking and insulin secretion in mature Beta cells. <i>Cell Metabolism</i> , 2007 , 6, 267-72	14.6	66