

Guoqiang Gu

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

5,742
citations

185998

28
h-index

197535

49
g-index

60
all docs

60
docs citations

60
times ranked

6232
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct evidence for the pancreatic lineage: NGN3+ cells are islet progenitors and are distinct from duct progenitors. <i>Development (Cambridge)</i> , 2002, 129, 2447-2457.	1.2	1,336
2	Direct evidence for the pancreatic lineage: NGN3+ cells are islet progenitors and are distinct from duct progenitors. <i>Development (Cambridge)</i> , 2002, 129, 2447-57.	1.2	703
3	Adult Hepatocytes Are Generated by Self-Duplication Rather than Stem Cell Differentiation. <i>Cell Stem Cell</i> , 2014, 15, 340-349.	5.2	368
4	Diabetes recovery by age-dependent conversion of pancreatic $\hat{1}$ -cells into insulin producers. <i>Nature</i> , 2014, 514, 503-507.	13.7	335
5	Temporal Control of Neurogenin3 Activity in Pancreas Progenitors Reveals Competence Windows for the Generation of Different Endocrine Cell Types. <i>Developmental Cell</i> , 2007, 12, 457-465.	3.1	300
6	Global expression analysis of gene regulatory pathways during endocrine pancreatic development. <i>Development (Cambridge)</i> , 2004, 131, 165-179.	1.2	211
7	Direct lineage tracing reveals the ontogeny of pancreatic cell fates during mouse embryogenesis. <i>Mechanisms of Development</i> , 2003, 120, 35-43.	1.7	210
8	Genetic Labeling Does Not Detect Epithelial-to-Mesenchymal Transition of Cholangiocytes in Liver Fibrosis in Mice. <i>Gastroenterology</i> , 2010, 139, 987-998.	0.6	200
9	Transient cytokine treatment induces acinar cell reprogramming and regenerates functional beta cell mass in diabetic mice. <i>Nature Biotechnology</i> , 2014, 32, 76-83.	9.4	159
10	A CK19 ^{CreERT} knockin mouse line allows for conditional DNA recombination in epithelial cells in multiple endodermal organs. <i>Genesis</i> , 2008, 46, 318-323.	0.8	157
11	Sustained <i>Neurog3</i> expression in hormone-expressing islet cells is required for endocrine maturation and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9715-9720.	3.3	143
12	Neurog3 gene dosage regulates allocation of endocrine and exocrine cell fates in the developing mouse pancreas. <i>Developmental Biology</i> , 2010, 339, 26-37.	0.9	131
13	Loss of Fbw7 Reprograms Adult Pancreatic Ductal Cells into $\hat{1}$, $\hat{1}$, and $\hat{2}$ Cells. <i>Cell Stem Cell</i> , 2014, 15, 139-153.	5.2	118
14	Obesity Suppresses Cell-Competition-Mediated Apical Elimination of RasV12-Transformed Cells from Epithelial Tissues. <i>Cell Reports</i> , 2018, 23, 974-982.	2.9	101
15	Epithelial Tissues Have Varying Degrees of Susceptibility to KrasG12D-Initiated Tumorigenesis in a Mouse Model. <i>PLoS ONE</i> , 2011, 6, e16786.	1.1	99
16	Myt1 and Ngn3 form a feed-forward expression loop to promote endocrine islet cell differentiation. <i>Developmental Biology</i> , 2008, 317, 531-540.	0.9	90
17	Microtubules Negatively Regulate Insulin Secretion in Pancreatic $\hat{2}$ Cells. <i>Developmental Cell</i> , 2015, 34, 656-668.	3.1	90
18	Non-parallel recombination limits Cre-loxP-based reporters as precise indicators of conditional genetic manipulation. <i>Genesis</i> , 2013, 51, 436-442.	0.8	88

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19	Pancreatic $\hat{1}\pm$ - and $\hat{1}^2$ -cellular clocks have distinct molecular properties and impact on islet hormone secretion and gene expression. <i>Genes and Development</i> , 2017, 31, 383-398.	2.7	84
20	Synaptotagmin 4 Regulates Pancreatic $\hat{1}^2$ Cell Maturation by Modulating the Ca ²⁺ Sensitivity of Insulin Secretion Vesicles. <i>Developmental Cell</i> , 2018, 45, 347-361.e5.	3.1	73
21	Ngn3+ endocrine progenitor cells control the fate and morphogenesis of pancreatic ductal epithelium. <i>Developmental Biology</i> , 2011, 359, 26-36.	0.9	68
22	Reconstituting pancreas development from purified progenitor cells reveals genes essential for islet differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12691-12696.	3.3	67
23	Loss of Myt1 function partially compromises endocrine islet cell differentiation and pancreatic physiological function in the mouse. <i>Mechanisms of Development</i> , 2007, 124, 898-910.	1.7	64
24	The MAFB transcription factor impacts islet $\hat{1}\pm$ -cell function in rodents and represents a unique signature of primate islet $\hat{1}^2$ -cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E91-E102.	1.8	49
25	Cooperation between HMGA1, PDX-1, and MafA is Essential for Glucose-Induced Insulin Transcription in Pancreatic Beta Cells. <i>Frontiers in Endocrinology</i> , 2014, 5, 237.	1.5	41
26	Quantitative assessment of cell population diversity in single-cell landscapes. <i>PLoS Biology</i> , 2018, 16, e2006687.	2.6	40
27	Endothelial Cells Control Pancreatic Cell Fate at Defined Stages through EGFL7 Signaling. <i>Stem Cell Reports</i> , 2015, 4, 181-189.	2.3	37
28	Neurog3-Independent Methylation Is the Earliest Detectable Mark Distinguishing Pancreatic Progenitor Identity. <i>Developmental Cell</i> , 2019, 48, 49-63.e7.	3.1	36
29	Modulation of Golgi-associated microtubule nucleation throughout the cell cycle. <i>Cytoskeleton</i> , 2013, 70, 32-43.	1.0	32
30	$\hat{1}\pm$ Represses Insulin Secretion by Reducing Vesicular Docking in Pancreatic $\hat{1}^2$ -Cells. <i>Diabetes</i> , 2010, 59, 2522-2529.	0.3	31
31	ROCK-nmMyoII, Notch, and <i>Neurog3</i> gene-dosage link epithelial morphogenesis with cell fate in the pancreatic endocrine-progenitor niche. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	30
32	Pancreatic Inflammation Redirects Acinar to $\hat{1}^2$ Cell Reprogramming. <i>Cell Reports</i> , 2016, 17, 2028-2041.	2.9	24
33	The fringe molecules induce endocrine differentiation in embryonic endoderm by activating cMyt1/cMyt3. <i>Developmental Biology</i> , 2006, 297, 340-349.	0.9	23
34	Glucose Regulates Microtubule Disassembly and the Dose of Insulin Secretion via Tau Phosphorylation. <i>Diabetes</i> , 2020, 69, 1936-1947.	0.3	23
35	GRP94 Is an Essential Regulator of Pancreatic $\hat{1}^2$ -Cell Development, Mass, and Function in Male Mice. <i>Endocrinology</i> , 2018, 159, 1062-1073.	1.4	21
36	Regulation of Glucose-Dependent Golgi-Derived Microtubules by cAMP/EPAC2 Promotes Secretory Vesicle Biogenesis in Pancreatic $\hat{1}^2$ Cells. <i>Current Biology</i> , 2019, 29, 2339-2350.e5.	1.8	20

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37	Cre reconstitution allows for DNA recombination selectively in dual-marker-expressing cells in transgenic mice. <i>Nucleic Acids Research</i> , 2007, 35, e126-e126.	6.5	19
38	Nkx2.2 is expressed in a subset of enteroendocrine cells with expanded lineage potential. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G975-G987.	1.6	18
39	Mitofusins <i>Mfn1</i> and <i>Mfn2</i> Are Required to Preserve Glucose- but Not Incretin-Stimulated β -Cell Connectivity and Insulin Secretion. <i>Diabetes</i> , 2022, 71, 1472-1489.	0.3	14
40	A developmental lineage-based gene co-expression network for mouse pancreatic β -cells reveals a role for <i>Zfp800</i> in pancreas development. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	12
41	Effective Isolation of Functional Islets from Neonatal Mouse Pancreas. <i>Journal of Visualized Experiments</i> , 2017, . .	0.2	11
42	Myt Transcription Factors Prevent Stress-Response Gene Overactivation to Enable Postnatal Pancreatic β Cell Proliferation, Function, and Survival. <i>Developmental Cell</i> , 2020, 53, 390-405.e10.	3.1	11
43	Microtubules regulate pancreatic β -cell heterogeneity via spatiotemporal control of insulin secretion hot spots. <i>ELife</i> , 2021, 10, .	2.8	11
44	Microtubules and Ca^{2+} -signaling modulate the preferential secretion of young insulin secretory granules in islet β cells via independent pathways. <i>PLoS ONE</i> , 2021, 16, e0241939.	1.1	10
45	Coregulator Sin3a Promotes Postnatal Murine β -Cell Fitness by Regulating Genes in Ca^{2+} Homeostasis, Cell Survival, Vesicle Biosynthesis, Glucose Metabolism, and Stress Response. <i>Diabetes</i> , 2020, 69, 1219-1231.	0.3	9
46	Temporal Transcriptome Analysis Reveals Dynamic Gene Expression Patterns Driving β -Cell Maturation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 648791.	1.8	9
47	Postnatal maturation of calcium signaling in islets of Langerhans from neonatal mice. <i>Cell Calcium</i> , 2021, 94, 102339.	1.1	5
48	TRPM7 is a crucial regulator of pancreatic endocrine development and high-fat-diet-induced β -cell proliferation. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	5
49	Microtubules in Pancreatic β Cells: Convolved Roadways Toward Precision. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	2
50	Surgical resection and radiofrequency ablation initiate cancer in cytokeratin-19 ⁺ liver cells deficient for p53 and Rb. <i>Oncotarget</i> , 2016, 7, 54662-54675.	0.8	1