

Guoqiang Gu

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

5,742
citations

186265

28
h-index

197818

49
g-index

60
all docs

60
docs citations

60
times ranked

6232
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitofusins <i>Mfn1</i> and <i>Mfn2</i> Are Required to Preserve Glucose- but Not Incretin-Stimulated β^2 -Cell Connectivity and Insulin Secretion. <i>Diabetes</i> , 2022, 71, 1472-1489.	0.6	14
2	A developmental lineage-based gene co-expression network for mouse pancreatic β^2 -cells reveals a role for <i>Zfp800</i> in pancreas development. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	12
3	Postnatal maturation of calcium signaling in islets of Langerhans from neonatal mice. <i>Cell Calcium</i> , 2021, 94, 102339.	2.4	5
4	Temporal Transcriptome Analysis Reveals Dynamic Gene Expression Patterns Driving β^2 -Cell Maturation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 648791.	3.7	9
5	Microtubules and $\text{G}\alpha$ -signaling modulate the preferential secretion of young insulin secretory granules in islet β^2 cells via independent pathways. <i>PLoS ONE</i> , 2021, 16, e0241939.	2.5	10
6	TRPM7 is a crucial regulator of pancreatic endocrine development and high-fat-diet-induced β^2 -cell proliferation. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	5
7	Microtubules regulate pancreatic β^2 -cell heterogeneity via spatiotemporal control of insulin secretion hot spots. <i>ELife</i> , 2021, 10, .	6.0	11
8	Myt Transcription Factors Prevent Stress-Response Gene Overactivation to Enable Postnatal Pancreatic β^2 Cell Proliferation, Function, and Survival. <i>Developmental Cell</i> , 2020, 53, 390-405.e10.	7.0	11
9	Coregulator Sin3a Promotes Postnatal Murine β^2 -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.	0.6	9
10	Glucose Regulates Microtubule Disassembly and the Dose of Insulin Secretion via Tau Phosphorylation. <i>Diabetes</i> , 2020, 69, 1936-1947.	0.6	23
11	Regulation of Glucose-Dependent Golgi-Derived Microtubules by cAMP/EPAC2 Promotes Secretory Vesicle Biogenesis in Pancreatic β^2 Cells. <i>Current Biology</i> , 2019, 29, 2339-2350.e5.	3.9	20
12	Neurog3-Independent Methylation Is the Earliest Detectable Mark Distinguishing Pancreatic Progenitor Identity. <i>Developmental Cell</i> , 2019, 48, 49-63.e7.	7.0	36
13	GRP94 Is an Essential Regulator of Pancreatic β^2 -Cell Development, Mass, and Function in Male Mice. <i>Endocrinology</i> , 2018, 159, 1062-1073.	2.8	21
14	Obesity Suppresses Cell-Competition-Mediated Apical Elimination of RasV12-Transformed Cells from Epithelial Tissues. <i>Cell Reports</i> , 2018, 23, 974-982.	6.4	101
15	Synaptotagmin 4 Regulates Pancreatic β^2 Cell Maturation by Modulating the Ca^{2+} Sensitivity of Insulin Secretion Vesicles. <i>Developmental Cell</i> , 2018, 45, 347-361.e5.	7.0	73
16	Quantitative assessment of cell population diversity in single-cell landscapes. <i>PLoS Biology</i> , 2018, 16, e2006687.	5.6	40
17	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, .	2.5	30
18	Pancreatic β^1 - and β^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.	5.9	84

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19	Effective Isolation of Functional Islets from Neonatal Mouse Pancreas. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	11
20	The MAFB transcription factor impacts islet β -cell function in rodents and represents a unique signature of primate islet β -cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E91-E102.	3.5	49
21	Pancreatic Inflammation Redirects Acinar to β Cell Reprogramming. <i>Cell Reports</i> , 2016, 17, 2028-2041.	6.4	24
22	Surgical resection and radiofrequency ablation initiate cancer in cytokeratin-19 ⁺ liver cells deficient for p53 and Rb. <i>Oncotarget</i> , 2016, 7, 54662-54675.	1.8	1
23	Nkx2.2 is expressed in a subset of enteroendocrine cells with expanded lineage potential. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, C975-C987.	3.4	18
24	Endothelial Cells Control Pancreatic Cell Fate at Defined Stages through EGFL7 Signaling. <i>Stem Cell Reports</i> , 2015, 4, 181-189.	4.8	37
25	Microtubules Negatively Regulate Insulin Secretion in Pancreatic β Cells. <i>Developmental Cell</i> , 2015, 34, 656-668.	7.0	90
26	Transient cytokine treatment induces acinar cell reprogramming and regenerates functional beta cell mass in diabetic mice. <i>Nature Biotechnology</i> , 2014, 32, 76-83.	17.5	159
27	Loss of Fbw7 Reprograms Adult Pancreatic Ductal Cells into β , δ , and β Cells. <i>Cell Stem Cell</i> , 2014, 15, 139-153.	11.1	118
28	Adult Hepatocytes Are Generated by Self-Duplication Rather than Stem Cell Differentiation. <i>Cell Stem Cell</i> , 2014, 15, 340-349.	11.1	368
29	Diabetes recovery by age-dependent conversion of pancreatic β -cells into insulin producers. <i>Nature</i> , 2014, 514, 503-507.	27.8	335
30	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.	3.5	41
31	Modulation of Golgi-associated microtubule nucleation throughout the cell cycle. <i>Cytoskeleton</i> , 2013, 70, 32-43.	2.0	32
32	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.	7.1	67
33	Non-parallel recombination limits Cre-loxP-based reporters as precise indicators of conditional genetic manipulation. <i>Genesis</i> , 2013, 51, 436-442.	1.6	88
34	Epithelial Tissues Have Varying Degrees of Susceptibility to KrasG12D-Initiated Tumorigenesis in a Mouse Model. <i>PLoS ONE</i> , 2011, 6, e16786.	2.5	99
35	Ngn3 ⁺ endocrine progenitor cells control the fate and morphogenesis of pancreatic ductal epithelium. <i>Developmental Biology</i> , 2011, 359, 26-36.	2.0	68
36	β Represses Insulin Secretion by Reducing Vesicular Docking in Pancreatic β -Cells. <i>Diabetes</i> , 2010, 59, 2522-2529.	0.6	31

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37	Genetic Labeling Does Not Detect Epithelial-to-Mesenchymal Transition of Cholangiocytes in Liver Fibrosis in Mice. <i>Gastroenterology</i> , 2010, 139, 987-998.	1.3	200
38	Neurog3 gene dosage regulates allocation of endocrine and exocrine cell fates in the developing mouse pancreas. <i>Developmental Biology</i> , 2010, 339, 26-37.	2.0	131
39	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.	7.1	143
40	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.	1.6	157
41	Myt1 and Ngn3 form a feed-forward expression loop to promote endocrine islet cell differentiation. <i>Developmental Biology</i> , 2008, 317, 531-540.	2.0	90
42	Cre reconstitution allows for DNA recombination selectively in dual-marker-expressing cells in transgenic mice. <i>Nucleic Acids Research</i> , 2007, 35, e126-e126.	14.5	19
43	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.	7.0	300
44	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
45	The fringe molecules induce endocrine differentiation in embryonic endoderm by activating cMyt1/cMyt3. <i>Developmental Biology</i> , 2006, 297, 340-349.	2.0	23
46	Global expression analysis of gene regulatory pathways during endocrine pancreatic development. <i>Development (Cambridge)</i> , 2004, 131, 165-179.	2.5	211
47	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
48	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.	2.5	1,336
49	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.	2.5	703
50	Microtubules in Pancreatic β^2 Cells: Convolved Roadways Toward Precision. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	3.7	2