

George K Gittes

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,472
citations

236612

25
h-index

214527

47
g-index

49
all docs

49
docs citations

49
times ranked

3368
citing authors

#	ARTICLE	IF	CITATIONS
1	Developmental biology of the pancreas: A comprehensive review. <i>Developmental Biology</i> , 2009, 326, 4-35.	0.9	388
2	M2 macrophages promote beta-cell proliferation by up-regulation of SMAD7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1211-20.	3.3	267
3	Intestinal Epithelial Toll-Like Receptor 4 Regulates Goblet Cell Development and Is Required for Necrotizing Enterocolitis in Mice. <i>Gastroenterology</i> , 2012, 143, 708-718.e5.	0.6	250
4	No evidence for β^2 cell neogenesis in murine adult pancreas. <i>Journal of Clinical Investigation</i> , 2013, 123, 2207-2217.	3.9	169
5	Endogenous Reprogramming of Alpha Cells into Beta Cells, Induced by Viral Gene Therapy, Reverses Autoimmune Diabetes. <i>Cell Stem Cell</i> , 2018, 22, 78-90.e4.	5.2	138
6	TGF β^2 Receptor Signaling Is Essential for Inflammation-Induced but Not β^2 -Cell Workload-Induced β^2 -Cell Proliferation. <i>Diabetes</i> , 2013, 62, 1217-1226.	0.3	97
7	Activated Macrophages Create Lineage-Specific Microenvironments for Pancreatic Acinar- and β^2 -Cell Regeneration in Mice. <i>Gastroenterology</i> , 2014, 147, 1106-1118.e11.	0.6	87
8	Hypoglycemia Reduces Vascular Endothelial Growth Factor A Production by Pancreatic Beta Cells as a Regulator of Beta Cell Mass. <i>Journal of Biological Chemistry</i> , 2013, 288, 8636-8646.	1.6	85
9	The Role of ARF6 in Biliary Atresia. <i>PLoS ONE</i> , 2015, 10, e0138381.	1.1	66
10	Peroxisome Proliferator-activated Receptor- β^3 Coactivator 1- β^{\pm} (PGC1 β^{\pm}) Protects against Experimental Murine Colitis. <i>Journal of Biological Chemistry</i> , 2016, 291, 10184-10200.	1.6	65
11	A Smad Signaling Network Regulates Islet Cell Proliferation. <i>Diabetes</i> , 2014, 63, 224-236.	0.3	64
12	Pancreatic cell tracing, lineage tagging and targeted genetic manipulations in multiple cell types using pancreatic ductal infusion of adeno-associated viral vectors and/or cell-tagging dyes. <i>Nature Protocols</i> , 2014, 9, 2719-2724.	5.5	64
13	FoxO1 Plays an Important Role in Regulating β^2 -Cell Compensation for Insulin Resistance in Male Mice. <i>Endocrinology</i> , 2016, 157, 1055-1070.	1.4	60
14	Autophagy protects pancreatic beta cell mass and function in the setting of a high-fat and high-glucose diet. <i>Scientific Reports</i> , 2017, 7, 16348.	1.6	57
15	Chitinase-3-like 1 protein complexes modulate macrophage-mediated immune suppression in glioblastoma. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	49
16	Loss of mTORC1 signaling alters pancreatic β^{\pm} cell mass and impairs glucagon secretion. <i>Journal of Clinical Investigation</i> , 2017, 127, 4379-4393.	3.9	44
17	Intraislet Pancreatic Ducts Can Give Rise to Insulin-Positive Cells. <i>Endocrinology</i> , 2016, 157, 166-175.	1.4	42
18	Neurogenin3 Activation Is Not Sufficient to Direct Duct-to-Beta Cell Transdifferentiation in the Adult Pancreas. <i>Journal of Biological Chemistry</i> , 2013, 288, 25297-25308.	1.6	38

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19	Concise Review: New Insights Into the Role of Macrophages in β -Cell Proliferation. <i>Stem Cells Translational Medicine</i> , 2015, 4, 655-658.	1.6	37
20	Prolactin Promotes Fibrosis and Pancreatic Cancer Progression. <i>Cancer Research</i> , 2019, 79, 5316-5327.	0.4	36
21	SMAD3/Stat3 Signaling Mediates β -Cell Epithelial-Mesenchymal Transition in Chronic Pancreatitis-Related Diabetes. <i>Diabetes</i> , 2017, 66, 2646-2658.	0.3	31
22	Epidermal Growth Factor Receptor Signaling Regulates β Cell Proliferation in Adult Mice. <i>Journal of Biological Chemistry</i> , 2016, 291, 22630-22637.	1.6	30
23	Transient Suppression of TGF β Receptor Signaling Facilitates Human Islet Transplantation. <i>Endocrinology</i> , 2016, 157, 1348-1356.	1.4	29
24	The surgeon-scientist in a new biomedical research era. <i>Surgery</i> , 2006, 140, 123-131.	1.0	28
25	Cg α CreERT2 knockin mice as a tool for genetic manipulation in pancreatic alpha cells. <i>Diabetologia</i> , 2017, 60, 2399-2408.	2.9	27
26	Renal blood flow and oxygenation drive nephron progenitor differentiation. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F337-F345.	1.3	25
27	Targeted Inhibition of Pancreatic Acinar Cell Calcineurin Is a Novel Strategy to Prevent Post-ERCP Pancreatitis. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2017, 3, 119-128.	2.3	25
28	Islet β -cell Inflammation Induced By NF- κ B inducing kinase (NIK) Leads to Hypoglycemia, Pancreatitis, Growth Retardation, and Postnatal Death in Mice. <i>Theranostics</i> , 2018, 8, 5960-5971.	4.6	24
29	Forkhead Box Protein 1 (FoxO1) Inhibits Accelerated β Cell Aging in Pancreas-specific SMAD7 Mutant Mice. <i>Journal of Biological Chemistry</i> , 2017, 292, 3456-3465.	1.6	22
30	Biliary-Atresia-Associated Mannosidase-1-Alpha-2 Gene Regulates Biliary and Ciliary Morphogenesis and Laterality. <i>Frontiers in Physiology</i> , 2020, 11, 538701.	1.3	13
31	Glucagon Resistance and Decreased Susceptibility to Diabetes in a Model of Chronic Hyperglucagonemia. <i>Diabetes</i> , 2021, 70, 477-491.	0.3	13
32	Placental growth factor in beta cells plays an essential role in gestational beta-cell growth. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e000921.	1.2	12
33	SMAD7 enhances adult β -cell proliferation without significantly affecting β -cell function in mice. <i>Journal of Biological Chemistry</i> , 2020, 295, 4858-4869.	1.6	12
34	Effect of Hypertriglyceridemia on Beta Cell Mass and Function in ApoC3 Transgenic Mice. <i>Journal of Biological Chemistry</i> , 2016, 291, 14695-14705.	1.6	11
35	Evidence of a developmental origin of beta-cell heterogeneity using a dual lineage tracing technology. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	11
36	A synopsis of factors regulating beta cell development and beta cell mass. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 3623-3637.	2.4	9

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37	PNA lectin for purifying mouse acinar cells from the inflamed pancreas. <i>Scientific Reports</i> , 2016, 6, 21127.	1.6	8
38	Alpha-to-beta cell trans-differentiation for treatment of diabetes. <i>Biochemical Society Transactions</i> , 2021, 49, 2539-2548.	1.6	8
39	Simplified Purification of AAV and Delivery to the Pancreas by Intraductal Administration. <i>Methods in Molecular Biology</i> , 2019, 1950, 373-387.	0.4	6
40	Multiple roles for TGF β 2 receptor type II in regulating the pancreatic response in acute pancreatitis. <i>Journal of Pathology</i> , 2016, 238, 603-605.	2.1	5
41	Conversion of β 1-cells to β 2-cells in the Postpartum Mouse Pancreas Involves Lgr5 Progeny. <i>Diabetes</i> , 2021, 70, 1508-1518.	0.3	5
42	β 2-cell Smad2 null mice have improved β 2-cell function and are protected from diet-induced hyperglycemia. <i>Journal of Biological Chemistry</i> , 2021, 297, 101235.	1.6	5
43	Polarized macrophages promote gestational beta cell growth through extracellular signal-regulated kinase 5 signalling. <i>Diabetes, Obesity and Metabolism</i> , 2022, 24, 1721-1733.	2.2	3
44	Cellular autophagy in β 1 cells plays a role in the maintenance of islet architecture. <i>Journal of the Endocrine Society</i> , 2019, 3, 1979-1992.	0.1	2
45	Insulin-positive ductal cells do not migrate into preexisting islets during pregnancy. <i>Experimental and Molecular Medicine</i> , 2021, 53, 605-614.	3.2	2
46	Mechanisms of Impaired Lung Development and Ciliation in Mannosidase-1-Alpha-2 (Man1a2) Mutants. <i>Frontiers in Physiology</i> , 2021, 12, 658518.	1.3	2
47	Islet Development: When Glucagon's Gone. <i>Endocrinology</i> , 2006, 147, 3993-3994.	1.4	1
48	Pancreatic Duct Infusion: An Effective and Selective Method of Drug and Viral Delivery. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	0