Klaus H Kaestner

List of Publications by Citations

189 papers	12,046 citations	60 h-index	105 g-index
211 ext. papers	14,969 ext. citations	12.3 avg, IF	6.62 L-index

#	Paper	IF	Citations
189	Cytoplasmic chromatin triggers inflammation in senescence and cancer. *Nature*, **2017**, 550, 402-406	50.4	505
188	The evolution of Fox genes and their role in development and disease. *Nature Reviews Genetics*, **2009**, 10, 233-40	30.1	435
187	The initiation of liver development is dependent on Foxa transcription factors. *Nature*, **2005**, 435, 944-7	50.4	429
186	The zinc-finger transcription factor Klf4 is required for terminal differentiation of goblet cells in the colon. *Development (Cambridge)*, **2002**, 129, 2619-2628	6.6	408
185	Epigenomic plasticity enables human pancreatic to cell reprogramming. *Journal of Clinical Investigation*, **2013**, 123, 1275-84	15.9	294
184	Foxa1 and Foxa2 are essential for sexual dimorphism in liver cancer. *Cell*, **2012**, 148, 72-83	56.2	249
183	Epigenetic regulation of the DLK1-MEG3 microRNA cluster in human type 2 diabetic islets. *Cell Metabolism*, **2014**, 19, 135-45	24.6	241
182	Subepithelial telocytes are an important source of Wnts that supports intestinal crypts. *Nature*, **2018**, 557, 242-246	50.4	230
181	Control of pancreatic cell regeneration by glucose metabolism. *Cell Metabolism*, **2011**, 13, 440-449	24.6	229
180	Single-Cell Transcriptomics of the Human Endocrine Pancreas. *Diabetes*, **2016**, 65, 3028-38	0.9	223
179	Foxa2 regulates alveolarization and goblet cell hyperplasia. *Development (Cambridge)*, **2004**, 131, 953-64	6.6	217
178	Dynamic regulation of Pdx1 enhancers by Foxa1 and Foxa2 is essential for pancreas development. *Genes and Development*, **2008**, 22, 3435-48	12.6	213
177	Human islets contain four distinct subtypes of cells. *Nature Communications*, **2016**, 7, 11756	17.4	211
176	Compensatory roles of Foxa1 and Foxa2 during lung morphogenesis. *Journal of Biological Chemistry* , **2005**, 280, 13809-16	5.4	203
175	The Pioneer Transcription Factor FoxA Maintains an Accessible Nucleosome Configuration at Enhancers for Tissue-Specific Gene Activation. *Molecular Cell*, **2016**, 62, 79-91	17.6	202
174	The HNF-3 gene family of transcription factors in mice: gene structure, cDNA sequence, and mRNA distribution. *Genomics*, **1994**, 20, 377-85	4.3	188
173	Glucocorticoid receptor-dependent gene regulatory networks. *PLoS Genetics*, **2005**, 1, e16	6	170

172	The mouse Forkhead Box m1 transcription factor is essential for hepatoblast mitosis and development of intrahepatic bile ducts and vessels during liver morphogenesis. *Developmental Biology*, **2004**, 276, 74-88	3.1	168
171	Foxa2 and H2A.Z mediate nucleosome depletion during embryonic stem cell differentiation. *Cell*, **2012**, 151, 1608-16	56.2	155
170	The FoxA factors in organogenesis and differentiation. *Current Opinion in Genetics and Development* , **2010**, 20, 527-32	4.9	153
169	Foxa2 is required for the differentiation of pancreatic alpha-cells. *Developmental Biology*, **2005**, 278, 484-95	3.1	152
168	Fox transcription factors: from development to disease. *Development (Cambridge)*, **2016**, 143, 4558-4570	6.6	152
167	CREB pathway links PGE2 signaling with macrophage polarization. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 15642-7	11.5	148
166	Foxl1-expressing mesenchymal cells constitute the intestinal stem cell niche. *Cellular and Molecular Gastroenterology and Hepatology*, **2016**, 2, 175-188	7.9	147
165	Discovery of 318 new risk loci for type 2 diabetes and related vascular outcomes among 1.4 million participants in a multi-ancestry meta-analysis. *Nature Genetics*, **2020**, 52, 680-691	36.3	140
164	The hepatocyte nuclear factor 3 (HNF3 or FOXA) family in metabolism. *Trends in Endocrinology and Metabolism*, **2000**, 11, 281-5	8.8	140
163	Integration of ATAC-seq and RNA-seq identifies human alpha cell and beta cell signature genes. *Molecular Metabolism*, **2016**, 5, 233-244	8.8	139
162	DNA methylation is required for the control of stem cell differentiation in the small intestine. *Genes and Development*, **2014**, 28, 652-64	12.6	134
161	Foxa2 integrates the transcriptional response of the hepatocyte to fasting. *Cell Metabolism*, **2005**, 2, 141-8	24.6	132
160	Virgin Beta Cells Persist throughout Life at a Neogenic Niche within Pancreatic Islets. *Cell Metabolism*, **2017**, 25, 911-926.e6	24.6	129
159	Aging-Dependent Demethylation of Regulatory Elements Correlates with Chromatin State and Improved β Cell Function. *Cell Metabolism*, **2015**, 22, 619-32	24.6	129
158	Expansion of adult beta-cell mass in response to increased metabolic demand is dependent on HNF-4alpha. *Genes and Development*, **2007**, 21, 756-69	12.6	129
157	FoxOs function synergistically to promote glucose production. *Journal of Biological Chemistry*, **2010** , 285, 35245-8	5.4	126
156	Foxa2 regulates multiple pathways of insulin secretion. *Journal of Clinical Investigation*, **2004**, 114, 512-20	15.9	125
155	The transcriptional response of the islet to pregnancy in mice. *Molecular Endocrinology*, **2009**, 23, 1702-12		121

154	Targeted disruption of the gene encoding hepatocyte nuclear factor 3gamma results in reduced transcription of hepatocyte-specific genes. *Molecular and Cellular Biology*, **1998**, 18, 4245-51	4.8	119
153	Hepatocyte nuclear factor 3beta (Foxa2) is dispensable for maintaining the differentiated state of the adult hepatocyte. *Molecular and Cellular Biology*, **2000**, 20, 5175-83	4.8	118
152	Foxa1 and Foxa2 regulate bile duct development in mice. *Journal of Clinical Investigation*, **2009**, 119, 1537-45	15.9	105
151	Foxl1 is a marker of bipotential hepatic progenitor cells in mice. *Hepatology*, **2009**, 49, 920-9	11.2	104
150	Single-Cell Mass Cytometry Analysis of the Human Endocrine Pancreas. *Cell Metabolism*, **2016**, 24, 616-626	24.6	104
149	Inherited mutations in the helicase RTEL1 cause telomere dysfunction and Hoyeraal-Hreidarsson syndrome. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E3408-16	11.5	100
148	FoxF1 and FoxL1 link hedgehog signaling and the control of epithelial proliferation in the developing stomach and intestine. *Journal of Biological Chemistry*, **2009**, 284, 5936-44	5.4	100
147	Foxa1 and Foxa2 control the differentiation of goblet and enteroendocrine L- and D-cells in mice. *Gastroenterology*, **2009**, 137, 2052-62	13.3	99
146	SnapShot: forkhead transcription factors I. *Cell*, **2007**, 130, 1160	56.2	99
145	Multiplexed In Situ Imaging Mass Cytometry Analysis of the Human Endocrine Pancreas and Immune System in Type 1 Diabetes. *Cell Metabolism*, **2019**, 29, 769-783.e4	24.6	96
144	Identification of transcriptional networks during liver regeneration. *Journal of Biological Chemistry*, **2005**, 280, 3715-22	5.4	96
143	Forkhead transcription factors II. *Cell*, **2007**, 131, 192	56.2	90
142	TALE-mediated epigenetic suppression of CDKN2A increases replication in human fibroblasts. *Journal of Clinical Investigation*, **2015**, 125, 1998-2006	15.9	90
141	Expression of the gut-enriched Krüppel-like factor gene during development and intestinal tumorigenesis. *FEBS Letters*, **1997**, 419, 239-43	3.8	84
140	Foxa1 and Foxa2 maintain the metabolic and secretory features of the mature beta-cell. *Molecular Endocrinology*, **2010**, 24, 1594-604		82
139	Gut endocrine cell development. *Molecular and Cellular Endocrinology*, **2010**, 323, 70-5	4.4	81
138	Foxa3 (hepatocyte nuclear factor 3gamma) is required for the regulation of hepatic GLUT2 expression and the maintenance of glucose homeostasis during a prolonged fast. *Journal of Biological Chemistry*, **2001**, 276, 42812-7	5.4	79
137	SARS-CoV-2 Cell Entry Factors ACE2 and TMPRSS2 Are Expressed in the Microvasculature and Ducts of Human Pancreas but Are Not Enriched in β Cells. *Cell Metabolism*, **2020**, 32, 1028-1040.e4	24.6	79

136	The diabetes gene Hhex maintains β-cell differentiation and islet function. *Genes and Development*, **2014**, 28, 829-34	12.6	78
135	PAX6 maintains β-cell identity by repressing genes of alternative islet cell types. *Journal of Clinical Investigation*, **2017**, 127, 230-243	15.9	77
134	CRTC2 (TORC2) contributes to the transcriptional response to fasting in the liver but is not required for the maintenance of glucose homeostasis. *Cell Metabolism*, **2009**, 10, 55-62	24.6	75
133	Epigenetics and Epigenomics: Implications for Diabetes and Obesity. *Diabetes*, **2018**, 67, 1923-1931	0.9	72
132	Pancreatic β-cell identity requires continual repression of non-β-cell programs. *Journal of Clinical Investigation*, **2017**, 127, 244-259	15.9	70
131	The nucleosome map of the mammalian liver. *Nature Structural and Molecular Biology*, **2011**, 18, 742-6	17.6	69
130	Foxa2 controls vesicle docking and insulin secretion in mature Beta cells. *Cell Metabolism*, **2007**, 6, 267-79	24.6	66
129	The organoid-initiating cells in mouse pancreas and liver are phenotypically and functionally similar. *Stem Cell Research*, **2014**, 13, 275-83	1.6	59
128	WNT10A mutation causes ectodermal dysplasia by impairing progenitor cell proliferation and KLF4-mediated differentiation. *Nature Communications*, **2017**, 8, 15397	17.4	58
127	GABA and Artesunate Do Not Induce Pancreatic α-to-β Cell Transdifferentiation In Vivo. *Cell Metabolism*, **2018**, 28, 787-792.e3	24.6	58
126	DNA Hypomethylation Contributes to Genomic Instability and Intestinal Cancer Initiation. *Cancer Prevention Research*, **2016**, 9, 534-46	3.2	57
125	Intra-islet glucagon signaling is critical for maintaining glucose homeostasis. *JCI Insight*, **2019**, 5,	9.9	53
124	Ablation of Foxl1-Cre-labeled hepatic progenitor cells and their descendants impairs recovery of mice from liver injury. *Gastroenterology*, **2015**, 148, 192-202.e3	13.3	52
123	Dynamic recruitment of microRNAs to their mRNA targets in the regenerating liver. *BMC Genomics*, **2013**, 14, 264	4.5	52
122	Single-Cell RNA-Seq of the Pancreatic Islets--a Promise Not yet Fulfilled?. *Cell Metabolism*, **2019**, 29, 539-544	24.6	52
121	Transcriptional program of the endocrine pancreas in mice and humans. *Diabetes*, **2003**, 52, 1604-10	0.9	51
120	Genetic lineage tracing analysis of the cell of origin of hepatotoxin-induced liver tumors in mice. *Hepatology*, **2016**, 64, 1163-1177	11.2	50
119	The next generation of target capture technologies - large DNA fragment enrichment and sequencing determines regional genomic variation of high complexity. *BMC Genomics*, **2016**, 17, 486	4.5	48

118	Loss of FOXA1 Drives Sexually Dimorphic Changes in Urothelial Differentiation and Is an Independent Predictor of Poor Prognosis in Bladder Cancer. *American Journal of Pathology*, **2015**, 185, 1385-95	5.8	47
117	Dnmt1 is essential to maintain progenitors in the perinatal intestinal epithelium. *Development (Cambridge)*, **2015**, 142, 2163-72	6.6	47
116	LIM domain-binding 1 maintains the terminally differentiated state of pancreatic β cells. *Journal of Clinical Investigation*, **2017**, 127, 215-229	15.9	43
115	Islet-1 Is essential for pancreatic β cell function. *Diabetes*, **2014**, 63, 4206-17	0.9	42
114	The de novo DNA methyltransferase Dnmt3b compensates the Dnmt1-deficient intestinal epithelium. *ELife*, **2016**, 5,	8.9	42
113	Regeneration of Pancreatic Islets After Partial Pancreatectomy in Mice Does Not Involve the Reactivation of Neurogenin-3. *Diabetes*, **2006**, 55, 269-272	0.9	41
112	CREB mediates the insulinotropic and anti-apoptotic effects of GLP-1 signaling in adult mouse β cells. *Molecular Metabolism*, **2014**, 3, 803-12	8.8	39
111	The Missing lnc(RNA) between the pancreatic β cell and diabetes. *Frontiers in Genetics*, **2014**, 5, 200	4.5	38
110	Jagged1 is a competitive inhibitor of Notch signaling in the embryonic pancreas. *Mechanisms of Development*, **2009**, 126, 687-99	1.7	38
109	A miRNA181a/NFAT5 axis links impaired T cell tolerance induction with autoimmune type 1 diabetes. *Science Translational Medicine*, **2018**, 10,	17.5	37
108	Epigenetic regulation of intestinal stem cells by Tet1-mediated DNA hydroxymethylation. *Genes and Development*, **2016**, 30, 2433-2442	12.6	37
107	Cis-regulatory modules in the mammalian liver: composition depends on strength of Foxa2 consensus site. *Nucleic Acids Research*, **2008**, 36, 4149-57	20.1	37
106	Combinatorial genetics in liver repopulation and carcinogenesis with a in vivo CRISPR activation platform. *Hepatology*, **2018**, 68, 663-676	11.2	36
105	Emerging diverse roles of telocytes. *Development (Cambridge)*, **2019**, 146,	6.6	35
104	Generation of a conditionally null allele of hnf4alpha. *Genesis*, **2002**, 32, 130-3	1.9	35
103	Tumor-infiltrating mast cells are associated with resistance to anti-PD-1 therapy. *Nature Communications*, **2021**, 12, 346	17.4	34
102	Postnatal DNA demethylation and its role in tissue maturation. *Nature Communications*, **2018**, 9, 2040	17.4	34
101	Genome-wide location analysis reveals distinct transcriptional circuitry by paralogous regulators Foxa1 and Foxa2. *PLoS Genetics*, **2012**, 8, e1002770	6	32

100	The making of the liver: developmental competence in foregut endoderm and induction of the hepatogenic program. *Cell Cycle*, **2005**, 4, 1146-8	4.7	32
99	Clinical endocrinology and metabolism. Development of gut endocrine cells. *Best Practice and Research in Clinical Endocrinology and Metabolism*, **2004**, 18, 453-62	6.5	32
98	NIH Initiative to Improve Understanding of the Pancreas, Islet, and Autoimmunity in Type 1 Diabetes: The Human Pancreas Analysis Program (HPAP). *Diabetes*, **2019**, 68, 1394-1402	0.9	31
97	Epigenetic regulation of the intestinal epithelium. *Cellular and Molecular Life Sciences*, **2015**, 72, 4139-56	10.3	30
96	FOXA1 deletion in luminal epithelium causes prostatic hyperplasia and alteration of differentiated phenotype. *Laboratory Investigation*, **2014**, 94, 726-39	5.9	30
95	Impaired male fertility and atrophy of seminiferous tubules caused by haploinsufficiency for Foxa3. *Developmental Biology*, **2007**, 306, 636-45	3.1	30
94	FoxA1 and FoxA2 drive gastric differentiation and suppress squamous identity in NKX2-1-negative lung cancer. *ELife*, **2018**, 7,	8.9	29
93	Islet transplantation in the subcutaneous space achieves long-term euglycaemia in preclinical models of type 1 diabetes. *Nature Metabolism*, **2020**, 2, 1013-1020	14.6	29
92	High-fidelity mouse line generated by CRISPR-Cas9 assisted gene targeting. *Molecular Metabolism*, **2017**, 6, 236-244	8.8	28
91	Functional and Metabolomic Consequences of K Channel Inactivation in Human Islets. *Diabetes*, **2017**, 66, 1901-1913	0.9	28
90	PRDM16 Maintains Homeostasis of the Intestinal Epithelium by Controlling Region-Specific Metabolism. *Cell Stem Cell*, **2019**, 25, 830-845.e8	18	27
89	The Intestinal Stem Cell Niche: A Central Role for Foxl1-Expressing Subepithelial Telocytes. *Cellular and Molecular Gastroenterology and Hepatology*, **2019**, 8, 111-117	7.9	27
88	Single cell regulatory landscape of the mouse kidney highlights cellular differentiation programs and disease targets. *Nature Communications*, **2021**, 12, 2277	17.4	27
87	miRNA142-3p targets Tet2 and impairs Treg differentiation and stability in models of type 1 diabetes. *Nature Communications*, **2019**, 10, 5697	17.4	27
86	PTP4A1 promotes TGF signaling and fibrosis in systemic sclerosis. *Nature Communications*, **2017**, 8, 1060	17.4	26
85	Genetic Variation in Type 1 Diabetes Reconfigures the 3D Chromatin Organization of T Cells and Alters Gene Expression. *Immunity*, **2020**, 52, 257-274.e11	32.3	26
84	The BisPCR(2) method for targeted bisulfite sequencing. *Epigenetics and Chromatin*, **2015**, 8, 27	5.8	26
83	The origin, biology, and therapeutic potential of facultative adult hepatic progenitor cells. *Current Topics in Developmental Biology*, **2014**, 107, 269-92	5.3	25

82	Epigenetic regulation of pancreas development and function. *Seminars in Cell and Developmental Biology*, **2012**, 23, 693-700	7.5	25
81	Mild nephrogenic diabetes insipidus caused by Foxa1 deficiency. *Journal of Biological Chemistry*, **2004**, 279, 41936-41	5.4	25
80	Targeted demethylation at the CDKN1C/p57 locus induces human cell replication. *Journal of Clinical Investigation*, **2019**, 129, 209-214	15.9	24
79	5-hydroxymethylcytosine represses the activity of enhancers in embryonic stem cells: a new epigenetic signature for gene regulation. *BMC Genomics*, **2014**, 15, 670	4.5	23
78	Epigenetic control of cell function and failure. *Diabetes Research and Clinical Practice*, **2017**, 123, 24-36	7.4	23
77	Serine 133 phosphorylation is not required for hippocampal CREB-mediated transcription and behavior. *Learning and Memory*, **2015**, 22, 109-15	2.8	23
76	Epigenetics in formation, function, and failure of the endocrine pancreas. *Molecular Metabolism*, **2017**, 6, 1066-1076	8.8	23
75	The CREB/CRTC2 pathway modulates autoimmune disease by promoting Th17 differentiation. *Nature Communications*, **2015**, 6, 7216	17.4	22
74	A genetic screen reveals Foxa3 and TNFR1 as key regulators of liver repopulation. *Genes and Development*, **2015**, 29, 904-9	12.6	21
73	Sleeve Gastrectomy Improves Glycemia Independent of Weight Loss by Restoring Hepatic Insulin Sensitivity. *Diabetes*, **2018**, 67, 1079-1085	0.9	21
72	Impaired enteroendocrine development in intestinal-specific Islet1 mouse mutants causes impaired glucose homeostasis. *American Journal of Physiology - Renal Physiology*, **2014**, 307, G979-91	5.1	21
71	Single-cell transcriptomics of human islet ontogeny defines the molecular basis of cell dedifferentiation in T2D. *Molecular Metabolism*, **2020**, 42, 101057	8.8	21
70	Examining How the MAFB Transcription Factor Affects Islet Cell Function Postnatally. *Diabetes*, **2019**, 68, 337-348	0.9	21
69	The Dynamic Chromatin Architecture of the Regenerating Liver. *Cellular and Molecular Gastroenterology and Hepatology*, **2020**, 9, 121-143	7.9	20
68	The Dysregulation of the - Locus in Islets From Patients With Type 2 Diabetes Is Mimicked by Targeted Epimutation of Its Promoter With TALE-DNMT Constructs. *Diabetes*, **2018**, 67, 1807-1815	0.9	20
67	The transcription factor CREB has no non-redundant functions in hepatic glucose metabolism in mice. *Diabetologia*, **2014**, 57, 1242-8	10.3	19
66	Apoptosis rate and transcriptional response of pancreatic islets exposed to the PPAR gamma agonist Pioglitazone. *Diabetology and Metabolic Syndrome*, **2013**, 5, 1	5.6	19
65	TRAP-seq identifies cystine/glutamate antiporter as a driver of recovery from liver injury. *Journal of Clinical Investigation*, **2018**, 128, 2297-2309	15.9	19

64	Cells are not uniform after all-Novel insights into molecular heterogeneity of insulin-secreting cells. *Diabetes, Obesity and Metabolism*, **2017**, 19 Suppl 1, 147-152	6.7	18
63	Reprogramming human gallbladder cells into insulin-producing like cells. *PLoS ONE*, **2017**, 12, e0181812	3.7	18
62	Betatrophin--promises fading and lessons learned. *Cell Metabolism*, **2014**, 20, 932-3	24.6	17
61	Foxl1-Cre BAC transgenic mice: a new tool for gene ablation in the gastrointestinal mesenchyme. *Genesis*, **2007**, 45, 518-22	1.9	16
60	Organisation of the human pancreas in health and in diabetes. *Diabetologia*, **2020**, 63, 1966-1973	10.3	16
59	A Network of microRNAs Acts to Promote Cell Cycle Exit and Differentiation of Human Pancreatic Endocrine Cells. *IScience*, **2019**, 21, 681-694	6.1	15
58	On the origin of the liver. *Journal of Clinical Investigation*, **2011**, 121, 4630-3	15.9	15
57	A negative reciprocal regulatory axis between cyclin D1 and HNF4 modulates cell cycle progression and metabolism in the liver. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 17177-17186	11.5	13
56	Activated FoxM1 attenuates streptozotocin-mediated cell death. *Molecular Endocrinology*, **2014**, 28, 1435-47		13
55	Fas-induced apoptosis in mouse hepatocytes is dependent on C/EBPbeta. *Hepatology*, **2001**, 33, 1166-72	11.2	13
54	Discovery of 318 novel loci for type-2 diabetes and related micro- and macrovascular outcomes among 1.4 million participants in a multi-ethnic meta-analysis		13
53	Collapse of the hepatic gene regulatory network in the absence of FoxA factors. *Genes and Development*, **2020**, 34, 1039-1050	12.6	12
52	Two novel type 2 diabetes loci revealed through integration of TCF7L2 DNA occupancy and SNP association data. *BMJ Open Diabetes Research and Care*, **2014**, 2, e000052	4.5	12
51	Metabolic memory of cells controls insulin secretion and is mediated by CaMKII. *Molecular Metabolism*, **2014**, 3, 484-9	8.8	12
50	CISH has no non-redundant functions in glucose homeostasis or beta cell proliferation during pregnancy in mice. *Diabetologia*, **2013**, 56, 2435-45	10.3	12
49	Comparative analysis of commercially available single-cell RNA sequencing platforms for their performance in complex human tissues		12
48	Hypermethylation of FOXA1 and allelic loss of PTEN drive squamous differentiation and promote heterogeneity in bladder cancer. *Oncogene*, **2020**, 39, 1302-1317	9.2	12
47	Foxa1 is essential for mammary duct formation. *Genesis*, **2016**, 54, 277-85	1.9	11

46	Exome-wide evaluation of rare coding variants using electronic health records identifies new gene-phenotype associations. *Nature Medicine*, **2021**, 27, 66-72	50.5	11
45	Protein tyrosine phosphatase of liver regeneration-1 is required for normal timing of cell cycle progression during liver regeneration. *American Journal of Physiology - Renal Physiology*, **2015**, 308, G85-91	5.1	10
44	Transcriptional and epigenetic regulation in human islets. *Diabetologia*, **2014**, 57, 451-4	10.3	10
43	Pax6 regulation of in the mouse retinal pigmented epithelium controls its timely differentiation and choroid vasculature development. *Development (Cambridge)*, **2018**, 145,	6.6	9
42	Organogenesis and functional genomics of the endocrine pancreas. *Cellular and Molecular Life Sciences*, **2012**, 69, 2109-23	10.3	9
41	CREB coactivators CRTC2 and CRTC3 modulate bone marrow hematopoiesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 11739-11744	11.5	8
40	The dynamic methylome of islets in health and disease. *Molecular Metabolism*, **2019**, 27S, S25-S32	8.8	8
39	HDAC3 ensures stepwise epidermal stratification via NCoR/SMRT-reliant mechanisms independent of its histone deacetylase activity. *Genes and Development*, **2020**, 34, 973-988	12.6	8
38	FoxA-dependent demethylation of DNA initiates epigenetic memory of cellular identity. *Developmental Cell*, **2021**, 56, 602-612.e4	10.2	7
37	Spontaneous Pancreatitis Caused by Tissue-Specific Gene Ablation of in Mice. *Cellular and Molecular Gastroenterology and Hepatology*, **2015**, 1, 550-569	7.9	6
36	An epigenomic road map for endoderm development. *Cell Stem Cell*, **2015**, 16, 343-4	18	6
35	Transcriptional Noise and Somatic Mutations in the Aging Pancreas. *Cell Metabolism*, **2017**, 26, 809-811	24.6	6
34	Of cilia and cysts: modeling pancreatic polycystic disease. *Gastroenterology*, **2006**, 130, 926-8	13.3	6
33	Novel genes identified by manual annotation and microarray expression analysis in the pancreas. *Genomics*, **2006**, 88, 752-761	4.3	6
32	Beta cell transplantation and immunosuppression: can't live with it, can't live without it. *Journal of Clinical Investigation*, **2007**, 117, 2380-2	15.9	6
31	Genetic activation of β-cell glucokinase in mice causes enhanced glucose-suppression of glucagon secretion during normal and diabetic states. *Molecular Metabolism*, **2021**, 49, 101193	8.8	6
30	Biphasic dynamics of beta cell mass in a mouse model of congenital hyperinsulinism: implications for type 2 diabetes. *Diabetologia*, **2021**, 64, 1133-1143	10.3	6
29	The RNA polymerase III subunit Polr3b is required for the maintenance of small intestinal crypts in mice. *Cellular and Molecular Gastroenterology and Hepatology*, **2016**, 2, 783-795	7.9	5

28	TCR/BCR dual-expressing cells and their associated public BCR clonotype are not enriched in type 1 diabetes. *Cell*, **2021**, 184, 827-839.e14	56.2	5
27	Paternal Exercise Improves the Metabolic Health of Offspring via Epigenetic Modulation of the Germline.. *International Journal of Molecular Sciences*, **2021**, 23,	6.3	5
26	Hydroxybutyrate suppresses colorectal cancer.. *Nature*, **2022**,	50.4	5
25	The role of T cell miRNAs for regulatory T cell induction in islet autoimmunity. *Molecular Metabolism*, **2019**, 27S, S122-S128	8.8	4
24	Lipid malabsorption from altered hormonal signaling changes early gut microbial responses. *American Journal of Physiology - Renal Physiology*, **2018**, 315, G580-G591	5.1	4
23	Heterogenous impairment of cell function in type 2 diabetes is linked to cell maturation state.. *Cell Metabolism*, **2022**, 34, 256-268.e5	24.6	4
22	A High-Content Screen Identifies MicroRNAs That Regulate Liver Repopulation After Injury in Mice. *Gastroenterology*, **2020**, 158, 1044-1057.e17	13.3	4
21	Highly multiplexed 2-dimensional imaging mass cytometry analysis of HBV-infected liver. *JCI Insight* , **2021**, 6,	9.9	4
20	Highly Multiplexed Image Analysis of Intestinal Tissue Sections in Patients With Inflammatory Bowel Disease. *Gastroenterology*, **2021**, 161, 1940-1952	13.3	4
19	What is a cell? - Chapter I in the Human Islet Research Network (HIRN) review series. *Molecular Metabolism*, **2021**, 53, 101323	8.8	4
18	Multiomics single-cell analysis of human pancreatic islets reveals novel cellular states in health and type 1 diabetes		4
17	Overexpression of ST5, an activator of Ras, has no effect on cell proliferation in adult mice. *Molecular Metabolism*, **2018**, 11, 212-217	8.8	3
16	Single-cell analysis of the human pancreas in type 2 diabetes using multi-spectral imaging mass cytometry. *Cell Reports*, **2021**, 37, 109919	10.6	3
15	A two-step pathway to resist fasting. *Cell Metabolism*, **2008**, 8, 449-51	24.6	2
14	Single-cell multi-omics analysis of human pancreatic islets reveals novel cellular states in type 1 diabetes.. *Nature Metabolism*, **2022**, 4, 284-299	14.6	2
13	Collecting new targets in MODY. *Cell Metabolism*, **2005**, 2, 342-4	24.6	1
12	Genetic ablation of mammary ducts through foxa1 prevents breast cancer occurrence. *American Journal of Cancer Research*, **2019**, 9, 424-428	4.4	1
11	Cancer stem cells: advances in biology and clinical translation-a Keystone Symposia report. *Annals of the New York Academy of Sciences*, **2021**,	6.5	1

10	FoxL1 mesenchymal cells are a critical source of Wnt5a for midgut elongation during mouse embryonic intestinal development. *Cells and Development*, **2021**, 165, 203662-203662		1
9	Cochlear supporting cells require GAS2 for cytoskeletal architecture and hearing. *Developmental Cell*, **2021**, 56, 1526-1540.e7	10.2	1
8	A FoxL1-CreERT-2A-tdTomato Mouse Labels Subepithelial Telocytes. *Cellular and Molecular Gastroenterology and Hepatology*, **2021**, 12, 1155-1158.e4	7.9	1
7	LXR agonism and Sorafenib treatment as novel combination therapy for hepatocellular carcinoma. *FASEB Journal*, **2019**, 33, 126.9	0.9	0
6	Epigenetic Analysis of Endocrine Cell Subtypes from Human Pancreatic Islets. *Methods in Molecular Biology*, **2017**, 1507, 95-111	1.4	
5	A cistrome roadmap for understanding pancreatic islet biology. *Nature Genetics*, **2014**, 46, 95-6	36.3	
4	Following the cycle: finally, a transgenic mouse to sort live replicating cells. *Developmental Cell*, **2012**, 23, 676-7	10.2	
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