

Susan Bonner-Weir , Susan Bonner Weir

List of Publications by Year in descending order

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256
papers

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Î²-Cell Deficit and Increased Î²-Cell Apoptosis in Humans With Type 2 Diabetes. <i>Diabetes</i> , 2003, 52, 102-110.	0.3	3,615
2	Disruption of IRS-2 causes type 2 diabetes in mice. <i>Nature</i> , 1998, 391, 900-904.	13.7	1,607
3	Translational Control Is Required for the Unfolded Protein Response and In Vivo Glucose Homeostasis. <i>Molecular Cell</i> , 2001, 7, 1165-1176.	4.5	1,217
4	Exendin-4 stimulates both beta-cell replication and neogenesis, resulting in increased beta-cell mass and improved glucose tolerance in diabetic rats. <i>Diabetes</i> , 1999, 48, 2270-2276.	0.3	1,161
5	In vitro cultivation of human islets from expanded ductal tissue. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 7999-8004.	3.3	962
6	p16INK4a induces an age-dependent decline in islet regenerative potential. <i>Nature</i> , 2006, 443, 453-457.	13.7	922
7	Five Stages of Evolving Beta-Cell Dysfunction During Progression to Diabetes. <i>Diabetes</i> , 2004, 53, S16-S21.	0.3	888
8	A Second Pathway for Regeneration of Adult Exocrine and Endocrine Pancreas: A Possible Recapitulation of Embryonic Development. <i>Diabetes</i> , 1993, 42, 1715-1720.	0.3	628
9	Selective Î²-Cell Loss and Î±-Cell Expansion in Patients with Type 2 Diabetes Mellitus in Korea. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 2300-2308.	1.8	578
10	Insulinotropic glucagon-like peptide 1 agonists stimulate expression of homeodomain protein IDX-1 and increase islet size in mouse pancreas. <i>Diabetes</i> , 2000, 49, 741-748.	0.3	543
11	Development of a Novel Polygenic Model of NIDDM in Mice Heterozygous for IR and IRS-1 Null Alleles. <i>Cell</i> , 1997, 88, 561-572.	13.5	517
12	Role of apoptosis in failure of beta-cell mass compensation for insulin resistance and beta-cell defects in the male Zucker diabetic fatty rat. <i>Diabetes</i> , 1998, 47, 358-364.	0.3	495
13	Chronic Hyperglycemia Triggers Loss of Pancreatic Î² Cell Differentiation in an Animal Model of Diabetes. <i>Journal of Biological Chemistry</i> , 1999, 274, 14112-14121.	1.6	495
14	Residual Insulin Production and Pancreatic Î²-Cell Turnover After 50 Years of Diabetes: Joslin Medalist Study. <i>Diabetes</i> , 2010, 59, 2846-2853.	0.3	422
15	Partial pancreatectomy in the rat and subsequent defect in glucose-induced insulin release.. <i>Journal of Clinical Investigation</i> , 1983, 71, 1544-1553.	3.9	420
16	Carbonic anhydrase II-positive pancreatic cells are progenitors for both endocrine and exocrine pancreas after birth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19915-19919.	3.3	409
17	New sources of pancreatic Î²-cells. <i>Nature Biotechnology</i> , 2005, 23, 857-861.	9.4	381
18	Î²-Cell Dysfunction Induced by Chronic Hyperglycemia: Current Ideas on Mechanism of Impaired Glucose-Induced Insulin Secretion. <i>Diabetes Care</i> , 1992, 15, 442-455.	4.3	378

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19	Severe hypoglycaemia post-gastric bypass requiring partial pancreatectomy: evidence for inappropriate insulin secretion and pancreatic islet hyperplasia. <i>Diabetologia</i> , 2005, 48, 2236-2240.	2.9	345
20	The homeodomain protein IDX-1 increases after an early burst of proliferation during pancreatic regeneration. <i>Diabetes</i> , 1999, 48, 507-513.	0.3	319
21	Downregulation of GLP-1 and GIP Receptor Expression by Hyperglycemia: Possible Contribution to Impaired Incretin Effects in Diabetes. <i>Diabetes</i> , 2007, 56, 1551-1558.	0.3	319
22	The pancreatic ductal epithelium serves as a potential pool of progenitor cells. <i>Pediatric Diabetes</i> , 2004, 5, 16-22.	1.2	311
23	Involvement of c-Jun N-terminal Kinase in Oxidative Stress-mediated Suppression of Insulin Gene Expression. <i>Journal of Biological Chemistry</i> , 2002, 277, 30010-30018.	1.6	294
24	Improved Glucose and Lipid Metabolism in Genetically Obese Mice Lacking $\alpha 2$. <i>Endocrinology</i> , 2000, 141, 3388-3396.	1.4	292
25	Islet growth and development in the adult. <i>Journal of Molecular Endocrinology</i> , 2000, 24, 297-302.	1.1	287
26	Defective insulin secretion in hepatocyte nuclear factor 1alpha-deficient mice.. <i>Journal of Clinical Investigation</i> , 1998, 101, 2215-2222.	3.9	286
27	Activation of the Hexosamine Pathway Leads to Deterioration of Pancreatic β -Cell Function through the Induction of Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2001, 276, 31099-31104.	1.6	279
28	Acceleration of β Cell Aging Determines Diabetes and Senolysis Improves Disease Outcomes. <i>Cell Metabolism</i> , 2019, 30, 129-142.e4.	7.2	277
29	A switch from MafB to MafA expression accompanies differentiation to pancreatic β -cells. <i>Developmental Biology</i> , 2006, 293, 526-539.	0.9	268
30	Islet amyloid formation associated with hyperglycemia in transgenic mice with pancreatic beta cell expression of human islet amyloid polypeptide.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 3492-3496.	3.3	267
31	Pancreatic stem cells. <i>Journal of Pathology</i> , 2002, 197, 519-526.	2.1	265
32	Islet β cell mass in diabetes and how it relates to function, birth, and death. <i>Annals of the New York Academy of Sciences</i> , 2013, 1281, 92-105.	1.8	264
33	Life and Death of the Pancreatic β Cells. <i>Trends in Endocrinology and Metabolism</i> , 2000, 11, 375-378.	3.1	257
34	Gene Expression Profiles of Beta-Cell Enriched Tissue Obtained by Laser Capture Microdissection from Subjects with Type 2 Diabetes. <i>PLoS ONE</i> , 2010, 5, e11499.	1.1	252
35	In vivo imaging of islet transplantation. <i>Nature Medicine</i> , 2006, 12, 144-148.	15.2	248
36	Perspective: Postnatal Pancreatic β Cell Growth. <i>Endocrinology</i> , 2000, 141, 1926-1929.	1.4	222

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37	PDX-1 Protein Containing Its Own Antennapedia-Like Protein Transduction Domain Can Transduce Pancreatic Duct and Islet Cells. <i>Diabetes</i> , 2003, 52, 1732-1737.	0.3	219
38	The cholecystokinin-A receptor mediates inhibition of food intake yet is not essential for the maintenance of body weight. <i>Journal of Clinical Investigation</i> , 1999, 103, 383-391.	3.9	218
39	Î²-Cell Growth and Regeneration: Replication Is Only Part of the Story. <i>Diabetes</i> , 2010, 59, 2340-2348.	0.3	212
40	REPRODUCIBLE HIGH YIELD OF RAT ISLETS BY STATIONARY IN VITRO DIGESTION FOLLOWING PANCREATIC DUCTAL OR PORTAL VENOUS COLLAGENASE INJECTION1. <i>Transplantation</i> , 1987, 43, 725-730.	0.5	208
41	Beta-cell turnover: its assessment and implications. <i>Diabetes</i> , 2001, 50, S20-S24.	0.3	201
42	The Neuroendocrine Protein 7B2 Is Required for Peptide Hormone Processing In Vivo and Provides a Novel Mechanism for Pituitary Cushingâ€™s Disease. <i>Cell</i> , 1999, 96, 689-700.	13.5	191
43	ANGPTL8/Betatrophin Does Not Control Pancreatic Beta Cell Expansion. <i>Cell</i> , 2014, 159, 691-696.	13.5	187
44	Increased Expression of Antioxidant and Antiapoptotic Genes in Islets That May Contribute to Î²-Cell Survival During Chronic Hyperglycemia. <i>Diabetes</i> , 2002, 51, 413-423.	0.3	183
45	Beta cell mass and growth after syngeneic islet cell transplantation in normal and streptozocin diabetic C57BL/6 mice.. <i>Journal of Clinical Investigation</i> , 1993, 91, 780-787.	3.9	178
46	Genetic Regulation of Metabolic Pathways in Î²-Cells Disrupted by Hyperglycemia. <i>Journal of Biological Chemistry</i> , 2002, 277, 10912-10921.	1.6	173
47	Pancreatic Î² Cell Regeneration as a Possible Therapy for Diabetes. <i>Cell Metabolism</i> , 2018, 27, 57-67.	7.2	172
48	Reduced expression of the liver/beta-cell glucose transporter isoform in glucose-insensitive pancreatic beta cells of diabetic rats.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 6492-6496.	3.3	171
49	Tissue-specific disallowance of housekeeping genes: The other face of cell differentiation. <i>Genome Research</i> , 2011, 21, 95-105.	2.4	163
50	In Vivo Imaging of Immune Rejection in Transplanted Pancreatic Islets. <i>Diabetes</i> , 2006, 55, 2419-2428.	0.3	158
51	Mutations at the <i>BLK</i> locus linked to maturity onset diabetes of the young and Î²-cell dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14460-14465.	3.3	156
52	Curative and Î² cell regenerative effects of Î±1-antitrypsin treatment in autoimmune diabetic NOD mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16242-16247.	3.3	154
53	Stem cell therapy for type 1 diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2010, 6, 139-148.	4.3	153
54	Transdifferentiation of pancreatic ductal cells to endocrine Î²-cells. <i>Biochemical Society Transactions</i> , 2008, 36, 353-356.	1.6	152

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55	Minimal chronic hyperglycemia is a critical determinant of impaired insulin secretion after an incomplete pancreatectomy.. Journal of Clinical Investigation, 1988, 81, 1407-1414.	3.9	152
56	Î² Cell Aging Markers Have Heterogeneous Distribution and Are Induced by Insulin Resistance. Cell Metabolism, 2017, 25, 898-910.e5.	7.2	149
57	OUTCOME OF SUBCLUTANEOUS ISLET TRANSPLANTATION IMPROVED BY POLYMER DEVICE1. Transplantation, 1996, 61, 1557-1561.	0.5	146
58	Regulatory factor linked to late-onset diabetes?. Nature, 1998, 392, 560-560.	13.7	144
59	Activation of pancreatic-duct-derived progenitor cells during pancreas regeneration in adult rats. Journal of Cell Science, 2010, 123, 2792-2802.	1.2	143
60	Critical Reduction in Î²-Cell Mass Results in Two Distinct Outcomes over Time. Journal of Biological Chemistry, 2003, 278, 2997-3005.	1.6	140
61	Differentiation of Affinity-Purified Human Pancreatic Duct Cells to Î²-Cells. Diabetes, 2007, 56, 1802-1809.	0.3	139
62	Mafa expression enhances glucose-responsive insulin secretion in neonatal rat beta cells. Diabetologia, 2011, 54, 583-593.	2.9	138
63	Quantitative analysis of cell composition and purity of human pancreatic islet preparations. Laboratory Investigation, 2010, 90, 1661-1675.	1.7	137
64	Adaptation of Î²-cell mass to substrate oversupply: enhanced function with normal gene expression. American Journal of Physiology - Endocrinology and Metabolism, 2001, 280, E788-E796.	1.8	135
65	Suppression of Î² Cell Energy Metabolism and Insulin Release by PGC-1Î±. Developmental Cell, 2003, 5, 73-83.	3.1	134
66	Dimorphic histopathology of long-standing childhood-onset diabetes. Diabetologia, 2010, 53, 690-698.	2.9	134
67	Islets of Langerhans: the puzzle of intraislet interactions and their relevance to diabetes.. Journal of Clinical Investigation, 1990, 85, 983-987.	3.9	130
68	Overexpression of c-Myc in Î²-Cells of Transgenic Mice Causes Proliferation and Apoptosis, Downregulation of Insulin Gene Expression, and Diabetes. Diabetes, 2002, 51, 1793-1804.	0.3	126
69	Survival and Maturation of Microencapsulated Porcine Neonatal Pancreatic Cell Clusters Transplanted into Immunocompetent Diabetic Mice. Diabetes, 2003, 52, 69-75.	0.3	125
70	Hypoxia induces vascular endothelial growth factor gene and protein expression in cultured rat islet cells. Diabetes, 1998, 47, 1894-1903.	0.3	124
71	Enhanced insulin-like growth factor I gene expression in regenerating rat pancreas.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 6152-6156.	3.3	122
72	2 Intra-islet insulinâ€”glucagonâ€”somatostatin relationships. Clinics in Endocrinology and Metabolism, 1986, 15, 33-58.	1.8	120

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73	Thyroid Hormone Promotes Postnatal Rat Pancreatic β -Cell Development and Glucose-Responsive Insulin Secretion Through MAFA. <i>Diabetes</i> , 2013, 62, 1569-1580.	0.3	120
74	Responses of neonatal rat islets to streptozotocin: limited B-cell regeneration and hyperglycemia. <i>Diabetes</i> , 1981, 30, 64-69.	0.3	117
75	Conversion of Mature Human β -Cells Into Glucagon-Producing α -Cells. <i>Diabetes</i> , 2013, 62, 2471-2480.	0.3	115
76	Inadequate β -cell mass is essential for the pathogenesis of type 2 diabetes. <i>Lancet Diabetes and Endocrinology</i> , 2020, 8, 249-256.	5.5	114
77	Compensatory growth of pancreatic beta-cells in adult rats after short-term glucose infusion. <i>Diabetes</i> , 1989, 38, 49-53.	0.3	114
78	Vulnerability of islets in the immediate posttransplantation period. Dynamic changes in structure and function. <i>Diabetes</i> , 1996, 45, 1161-1167.	0.3	112
79	Rat neonatal beta cells lack the specialised metabolic phenotype of mature beta cells. <i>Diabetologia</i> , 2011, 54, 594-604.	2.9	111
80	BETA2/NeuroD Protein Can Be Transduced Into Cells Due to an Arginine- and Lysine-Rich Sequence. <i>Diabetes</i> , 2005, 54, 2859-2866.	0.3	110
81	Noninvasive In Vivo Measurement of β -Cell Mass in Mouse Model of Diabetes. <i>Diabetes</i> , 2001, 50, 2231-2236.	0.3	106
82	Expansion of Adult Human Pancreatic Tissue Yields Organoids Harboring Progenitor Cells with Endocrine Differentiation Potential. <i>Stem Cell Reports</i> , 2018, 10, 712-724.	2.3	106
83	GLP-1/exendin-4 facilitates β -cell neogenesis in rat and human pancreatic ducts. <i>Diabetes Research and Clinical Practice</i> , 2006, 73, 107-110.	1.1	102
84	β -cell dedifferentiation in diabetes is important, but what is it?. <i>Islets</i> , 2013, 5, 233-237.	0.9	102
85	IMMUNOCYTOCHEMISTRY OF VITAMIN D-DEPENDENT CALCIUM BINDING PROTEIN IN CHICK PANCREAS: EXCLUSIVE LOCALIZATION IN B-CELLS.*. <i>Endocrinology</i> , 1982, 110, 2216-2218.	1.4	101
86	Islet secretion in a new experimental model for non-insulin-dependent diabetes. <i>Diabetes</i> , 1981, 30, 590-595.	0.3	100
87	Human Islet Morphology Revisited. <i>Journal of Histochemistry and Cytochemistry</i> , 2015, 63, 604-612.	1.3	92
88	GENE EXPRESSION OF VEGF AND ITS RECEPTORS Flk-1/KDR AND Flt-1 IN CULTURED AND TRANSPLANTED RAT ISLETS1. <i>Transplantation</i> , 2001, 71, 924-935.	0.5	89
89	Regulation of Pancreatic β -Cell Mass in Vivo. , 1994, 49, 91-104.		86
90	Differentiation and Expansion of Beta Cell Mass in Porcine Neonatal Pancreatic Cell Clusters Transplanted into Nude Mice. <i>Cell Transplantation</i> , 1999, 8, 673-689.	1.2	86

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91	Induction of Pancreatic Stem/Progenitor Cells into Insulin-Producing Cells by Adenoviral-Mediated Gene Transfer Technology. <i>Cell Transplantation</i> , 2006, 15, 929-938.	1.2	85
92	Rat islet cell aggregates are superior to islets for transplantation in microcapsules. <i>Diabetologia</i> , 2010, 53, 937-945.	2.9	85
93	Improved Vascularization of Planar Membrane Diffusion Devices following Continuous Infusion of Vascular Endothelial Growth Factor. <i>Cell Transplantation</i> , 2000, 9, 115-124.	1.2	79
94	Islet transplantation outcomes in mice are better with fresh islets and exendin-4 treatment. <i>Diabetologia</i> , 2005, 48, 2074-2079.	2.9	78
95	Effects of diabetes and hypoxia on gene markers of angiogenesis (HGF, cMET, uPA and uPAR, TGF- β ₁ , TGF- β ₂) Tj ETQo1 1 0.784314 rgBT	2.9	76
96	FUNCTION AND SURVIVAL OF MACROENCAPSULATED SYNGENEIC ISLETS TRANSPLANTED INTO STREPTOZOCIN-DIABETIC MICE1. <i>Transplantation</i> , 1998, 66, 21-28.	0.5	75
97	Mice with a Targeted Deletion of the Type 2 Deiodinase Are Insulin Resistant and Susceptible to Diet Induced Obesity. <i>PLoS ONE</i> , 2011, 6, e20832.	1.1	74
98	Gene Expression of Purified β -Cell Tissue Obtained from Human Pancreas with Laser Capture Microdissection. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 1046-1053.	1.8	73
99	Overexpression of Inducible Cyclic AMP Early Repressor Inhibits Transactivation of Genes and Cell Proliferation in Pancreatic β Cells. <i>Molecular and Cellular Biology</i> , 2004, 24, 2831-2841.	1.1	71
100	Islet cell growth and the growth factors involved. <i>Trends in Endocrinology and Metabolism</i> , 1994, 5, 60-64.	3.1	69
101	ISLETS IN ALGINATE MACROBEADS REVERSE DIABETES DESPITE MINIMAL ACUTE INSULIN SECRETORY RESPONSES1. <i>Transplantation</i> , 2001, 71, 203-211.	0.5	68
102	Adult mouse intrahepatic biliary epithelial cells induced in vitro to become insulin-producing cells. <i>Journal of Endocrinology</i> , 2009, 201, 37-47.	1.2	66
103	Photo-acceleration of protein release from endosome in the protein transduction system. <i>FEBS Letters</i> , 2004, 572, 221-226.	1.3	64
104	Preservation of β -cell function by targeting β -cell mass. <i>Trends in Pharmacological Sciences</i> , 2008, 29, 218-227.	4.0	64
105	Ductal Origin Hypothesis of Pancreatic Regeneration under Attack. <i>Cell Metabolism</i> , 2010, 11, 2-3.	7.2	64
106	Concise Review: Pancreas Regeneration: Recent Advances and Perspectives. <i>Stem Cells Translational Medicine</i> , 2012, 1, 150-159.	1.6	64
107	In Situ Electrochemical Oxygen Generation with an Immunoisolation Device. <i>Annals of the New York Academy of Sciences</i> , 1999, 875, 105-125.	1.8	63
108	Induction of c-Myc Expression Suppresses Insulin Gene Transcription by Inhibiting NeuroD/BETA2-mediated Transcriptional Activation. <i>Journal of Biological Chemistry</i> , 2002, 277, 12998-13006.	1.6	63

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109	REVERSAL OF HYPERGLYCEMIA IN MICE AFTER SUBCUTANEOUS TRANSPLANTATION OF MACROENCAPSULATED ISLETS ¹ . <i>Transplantation</i> , 1999, 67, 665-671.	0.5	63
110	Residual β^2 cell function and monogenic variants in long-duration type 1 diabetes patients. <i>Journal of Clinical Investigation</i> , 2019, 129, 3252-3263.	3.9	62
111	Islets in Type 2 Diabetes: In Honor of Dr. Robert C. Turner. <i>Diabetes</i> , 2008, 57, 2899-2904.	0.3	61
112	Morphological evidence for pancreatic polarity of beta-cell within islets of Langerhans. <i>Diabetes</i> , 1988, 37, 616-621.	0.3	61
113	Beta cell identity changes with mild hyperglycemia: Implications for function, growth, and vulnerability. <i>Molecular Metabolism</i> , 2020, 35, 100959.	3.0	60
114	Mechanism of PDX-1 protein transduction. <i>Biochemical and Biophysical Research Communications</i> , 2005, 332, 68-74.	1.0	59
115	Modification of adverse inflammation is required to cure new-onset type 1 diabetic hosts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13074-13079.	3.3	59
116	Protein-tyrosine Phosphatase 1B Deficiency Reduces Insulin Resistance and the Diabetic Phenotype in Mice with Polygenic Insulin Resistance*. <i>Journal of Biological Chemistry</i> , 2007, 282, 23829-23840.	1.6	58
117	Single pancreatic beta cells co-express multiple islet hormone genes in mice. <i>Diabetologia</i> , 2010, 53, 128-138.	2.9	58
118	Quantitative Assessment of Islets of Langerhans Encapsulated in Alginate. <i>Tissue Engineering - Part C: Methods</i> , 2011, 17, 435-449.	1.1	58
119	Transplanted beta cell response to increased metabolic demand. Changes in beta cell replication and mass. <i>Journal of Clinical Investigation</i> , 1994, 93, 1577-1582.	3.9	58
120	A dominant role for glucose in β^2 cell compensation of insulin resistance. <i>Journal of Clinical Investigation</i> , 2007, 117, 81-83.	3.9	56
121	Changes in gene expression in beta cells after islet isolation and transplantation using laser-capture microdissection. <i>Diabetologia</i> , 2007, 50, 334-342.	2.9	56
122	Macrophage depletion improves survival of porcine neonatal pancreatic cell clusters contained in alginate macrocapsules transplanted into rats. <i>Xenotransplantation</i> , 2003, 10, 240-251.	1.6	55
123	Are there pancreatic progenitor cells from which new islets form after birth?. <i>Nature Clinical Practice Endocrinology and Metabolism</i> , 2006, 2, 240-241.	2.9	55
124	Involvement of Protein Kinase C β^2 in c-myc induction by High Glucose in Pancreatic β^2 -Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 3680-3685.	1.6	54
125	In vivo multimodal imaging of transplanted pancreatic islets. <i>Nature Protocols</i> , 2006, 1, 429-435.	5.5	53
126	Preferential reduction of β^2 cells derived from Pax6 \rightarrow MafB pathway in MafB deficient mice. <i>Developmental Biology</i> , 2008, 314, 443-456.	0.9	53

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127	Evidence for a Role of the Ubiquitin-Proteasome Pathway in Pancreatic Islets. <i>Diabetes</i> , 2006, 55, 1223-1231.	0.3	52
128	Dynamic development of the pancreas from birth to adulthood. <i>Upsala Journal of Medical Sciences</i> , 2016, 121, 155-158.	0.4	52
129	Normal Relationship of $\hat{\alpha}$ - and Non $\hat{\alpha}$ -Cells Not Needed for Successful Islet Transplantation. <i>Diabetes</i> , 2007, 56, 2312-2318.	0.3	50
130	Discordance of exocrine and endocrine growth after 90% pancreatectomy in rats. <i>Diabetes</i> , 1988, 37, 232-236.	0.3	50
131	PROLONGED XENOGRAFT SURVIVAL OF ISLETS INFECTED WITH SMALL DOSES OF ADENOVIRUS EXPRESSING CTLA4lg1. <i>Transplantation</i> , 1999, 67, 1607-1613.	0.5	49
132	Islet Neogenesis: A Possible Pathway for Beta-Cell Replenishment. <i>Review of Diabetic Studies</i> , 2012, 9, 407-416.	0.5	49
133	Limited B cell regeneration in a B cell deficient rat model: Studies with dexamethasone. <i>Metabolism: Clinical and Experimental</i> , 1981, 30, 914-918.	1.5	47
134	Implicating PARP and NAD ⁺ depletion in type I diabetes. <i>Nature Medicine</i> , 1999, 5, 269-270.	15.2	47
135	Regenerating pancreatic $\hat{\beta}$ -cells: plasticity of adult pancreatic cells and the feasibility of in-vivo neogenesis. <i>Current Opinion in Organ Transplantation</i> , 2010, 15, 79-85.	0.8	47
136	Subpopulations of GFP-Marked Mouse Pancreatic $\hat{\beta}$ -Cells Differ in Size, Granularity, and Insulin Secretion. <i>Endocrinology</i> , 2012, 153, 5180-5187.	1.4	47
137	Reanalysis of study of pancreatic effects of incretin therapy: methodological deficiencies. <i>Diabetes, Obesity and Metabolism</i> , 2014, 16, 661-666.	2.2	47
138	Influence of diabetes on the loss of beta cell differentiation after islet transplantation in rats. <i>Diabetologia</i> , 2007, 50, 2117-2125.	2.9	45
139	Stem cell approaches for diabetes: towards beta cell replacement. <i>Genome Medicine</i> , 2011, 3, 61.	3.6	45
140	Making $\hat{\beta}$ Cells from Adult Cells Within the Pancreas. <i>Current Diabetes Reports</i> , 2013, 13, 695-703.	1.7	45
141	Islet mass and function in diabetes and transplantation. <i>Diabetes</i> , 1990, 39, 401-405.	0.3	44
142	The organization of the endocrine pancreas: A hypothetical unifying view of the phylogenetic differences. <i>General and Comparative Endocrinology</i> , 1979, 38, 28-37.	0.8	43
143	Establishment of a Diabetic Mouse Model with Progressive Diabetic Nephropathy. <i>American Journal of Pathology</i> , 2005, 167, 327-336.	1.9	42
144	Identification of Markers for Newly Formed $\hat{\beta}$ -Cells in the Perinatal Period: A Time of Recognized $\hat{\beta}$ -Cell Immaturity. <i>Journal of Histochemistry and Cytochemistry</i> , 2010, 58, 369-376.	1.3	42

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145	Reduced Ki67 Staining in the Postmortem State Calls Into Question Past Conclusions About the Lack of Turnover of Adult Human β -Cells. <i>Diabetes</i> , 2015, 64, 1698-1702.	0.3	40
146	Expression of the Intermediate Filament Vimentin in Proliferating Duct Cells as a Marker of Pancreatic Precursor Cells. <i>Pancreas</i> , 2004, 28, 121-128.	0.5	39
147	Expression of MafA in pancreatic progenitors is detrimental for pancreatic development. <i>Developmental Biology</i> , 2009, 333, 108-120.	0.9	39
148	MAFA and T3 Drive Maturation of Both Fetal Human Islets and Insulin-Producing Cells Differentiated From hESC. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 3651-3659.	1.8	38
149	Porcine Marginal Mass Islet Autografts Resist Metabolic Failure Over Time and Are Enhanced by Early Treatment with Liraglutide. <i>Endocrinology</i> , 2009, 150, 2145-2152.	1.4	36
150	Abnormal glucose regulation of insulin secretion in models of reduced B-cell mass. <i>Diabetes</i> , 1984, 33, 667-673.	0.3	36
151	Beneficial influence of glycemic control upon the growth and function of transplanted islets. <i>Diabetes</i> , 1994, 43, 1334-1339.	0.3	36
152	Transcription factor abnormalities as a cause of beta cell dysfunction in diabetes: a hypothesis. <i>Acta Diabetologica</i> , 1997, 34, 177-184.	1.2	35
153	Importance of hyperglycemia on the primary function of allogeneic islet transplants1. <i>Transplantation</i> , 2003, 76, 657-664.	0.5	35
154	Imaging β -Cell Death With a Near-Infrared Probe. <i>Diabetes</i> , 2005, 54, 1780-1788.	0.3	35
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