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List of Publications by Year
in descending order

189 papers	18,873 citations	14655 66 h-index	12946 131 g-index
198 all docs	198 docs citations	198 times ranked	17314 citing authors

#	Article	IF	Citations
1	Mechanisms of Pancreatic Â-Cell Death in Type 1 and Type 2 Diabetes: Many Differences, Few Similarities. Diabetes, 2005, 54, S97-S107.	0.6	1,296
2	The Role for Endoplasmic Reticulum Stress in Diabetes Mellitus. Endocrine Reviews, 2008, 29, 42-61.	20.1	990
3	The role of inflammation in insulitis and Î²-cell loss in type 1 diabetes. Nature Reviews Endocrinology, 2009, 5, 219-226.	9.6	847
4	A choice of death - the signal-transduction of immune-mediated beta-cell apoptosis. Diabetologia, 2001, 44, 2115-2133.	6.3	782
5	Initiation and execution of lipotoxic ER stress in pancreatic Î²-cells. Journal of Cell Science, 2008, 121, 2308-2318.	2.0	512
6	Inverse Relationship Between Cytotoxicity of Free Fatty Acids in Pancreatic Islet Cells and Cellular Triglyceride Accumulation. Diabetes, 2001, 50, 1771-1777.	0.6	509
7	Cytokines Downregulate the Sarcoendoplasmic Reticulum Pump Ca2+ ATPase 2b and Deplete Endoplasmic Reticulum Ca2+, Leading to Induction of Endoplasmic Reticulum Stress in Pancreatic Â-Cells. Diabetes, 2005, 54, 452-461.	0.6	471
8	Pancreatic Î²-cells in type 1 and type 2 diabetes mellitus: different pathways to failure. Nature Reviews Endocrinology, 2020, 16, 349-362.	9.6	426
9	The Human Pancreatic Islet Transcriptome: Expression of Candidate Genes for Type 1 Diabetes and the Impact of Pro-Inflammatory Cytokines. PLoS Genetics, 2012, 8, e1002552.	3.5	398
10	The endoplasmic reticulum in pancreatic beta cells of type 2 diabetes patients. Diabetologia, 2007, 50, 2486-2494.	6.3	361
11	Prolonged exposure of human pancreatic islets to high glucose concentrations in vitro impairs the beta-cell function.. Journal of Clinical Investigation, 1992, 90, 1263-1268.	8.2	286
12	Cytokines suppress human islet function irrespective of their effects on nitric oxide generation.. Journal of Clinical Investigation, 1994, 93, 1968-1974.	8.2	278
13	Selective Inhibition of Eukaryotic Translation Initiation Factor 2Î± Dephosphorylation Potentiates Fatty Acid-induced Endoplasmic Reticulum Stress and Causes Pancreatic Î²-Cell Dysfunction and Apoptosis. Journal of Biological Chemistry, 2007, 282, 3989-3997.	3.4	266
14	A Comprehensive Analysis of Cytokine-induced and Nuclear Factor-ÎºB-dependent Genes in Primary Rat Pancreatic Î²-Cells. Journal of Biological Chemistry, 2001, 276, 48879-48886.	3.4	264
15	Restoration of the Unfolded Protein Response in Pancreatic Î² Cells Protects Mice Against Type 1 Diabetes. Science Translational Medicine, 2013, 5, 211ra156.	12.4	254
16	Major species differences between humans and rodents in the susceptibility to pancreatic beta-cell injury.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 9253-9256.	7.1	249
17	Viral infections in type 1 diabetes mellitus â€" why the Î² cells?. Nature Reviews Endocrinology, 2016, 12, 263-273.	9.6	232
18	Conditional and specific NF-ÂB blockade protects pancreatic beta cells from diabetogenic agents. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5072-5077.	7.1	231

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19	RNA Sequencing Identifies Dysregulation of the Human Pancreatic Islet Transcriptome by the Saturated Fatty Acid Palmitate. Diabetes, 2014, 63, 1978-1993.	0.6	226
20	Discovery of Gene Networks Regulating Cytokine-Induced Dysfunction and Apoptosis in Insulin-Producing INS-1 Cells. Diabetes, 2003, 52, 2701-2719.	0.6	207
21	Glucagon-Like Peptide-1 Agonists Protect Pancreatic Î²-Cells From Lipotoxic Endoplasmic Reticulum Stress Through Upregulation of BiP and JunB. Diabetes, 2009, 58, 2851-2862.	0.6	202
22	Palmitate induces a pro-inflammatory response in human pancreatic islets that mimics CCL2 expression by beta cells in type 2 diabetes. Diabetologia, 2010, 53, 1395-1405.	6.3	200
23	Expression of endoplasmic reticulum stress markers in the islets of patients with type 1 diabetes. Diabetologia, 2012, 55, 2417-2420.	6.3	195
24	IL-1Î² and IFN-Î³ induce the expression of diverse chemokines and IL-15 in human and rat pancreatic islet cells, and in islets from pre-diabetic NOD mice. Diabetologia, 2003, 46, 255-266.	6.3	184
25	Cytokines induce endoplasmic reticulum stress in human, rat and mouse beta cells via different mechanisms. Diabetologia, 2015, 58, 2307-2316.	6.3	181
26	The lipid sensor GPR120 promotes brown fat activation and FGF21 release from adipocytes. Nature Communications, 2016, 7, 13479.	12.8	180
27	Conventional and Neo-antigenic Peptides Presented by Î² Cells Are Targeted by Circulating NaÃ¯ve CD8+ T Cells in Type 1 Diabetic and Healthy Donors. Cell Metabolism, 2018, 28, 946-960.e6.	16.2	177
28	Bcl-2 proteins in diabetes: mitochondrial pathways of Î²-cell death and dysfunction. Trends in Cell Biology, 2011, 21, 424-431.	7.9	175
29	Signalling danger: endoplasmic reticulum stress and the unfolded protein response in pancreatic islet inflammation. Diabetologia, 2013, 56, 234-241.	6.3	172
30	CXCL14, a Brown Adipokine that Mediates Brown-Fat-to-Macrophage Communication in Thermogenic Adaptation. Cell Metabolism, 2018, 28, 750-763.e6.	16.2	164
31	Beta-cell apoptosis and defense mechanisms: lessons from type 1 diabetes. Diabetes, 2001, 50, S64-S69.	0.6	157
32	PTPN2, a Candidate Gene for Type 1 Diabetes, Modulates Interferon-Î³â€"Induced Pancreatic Î²-Cell Apoptosis. Diabetes, 2009, 58, 1283-1291.	0.6	152
33	GLIS3, a Susceptibility Gene for Type 1 and Type 2 Diabetes, Modulates Pancreatic Beta Cell Apoptosis via Regulation of a Splice Variant of the BH3-Only Protein Bim. PLoS Genetics, 2013, 9, e1003532.	3.5	151
34	Monocyte chemoattractant protein-1 is expressed in pancreatic islets from prediabetic NOD mice and in interleukin-1Î²-exposed human and rat islet cells. Diabetologia, 2001, 44, 325-332.	6.3	144
35	STAT1 Is a Master Regulator of Pancreatic Î²-Cell Apoptosis and Islet Inflammation. Journal of Biological Chemistry, 2011, 286, 929-941.	3.4	144
36	SARS-CoV-2 Receptor Angiotensin I-Converting Enzyme Type 2 (ACE2) Is Expressed in Human Pancreatic Î²-Cells and in the Human Pancreas Microvasculature. Frontiers in Endocrinology, 2020, 11, 596898.	3.5	144

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37	Signaling by IL-1Î²+IFN-Î³ and ER stress converge on DP5/Hrk activation: a novel mechanism for pancreatic Î²-cell apoptosis. Cell Death and Differentiation, 2009, 16, 1539-1550.	11.2	143
38	Toll-like Receptor 3 and STAT-1 Contribute to Double-stranded RNA+ Interferon-Î³-induced Apoptosis in Primary Pancreatic Î²-Cells. Journal of Biological Chemistry, 2005, 280, 33984-33991.	3.4	140
39	ER Stress in Pancreatic Î² Cells: The Thin Red Line Between Adaptation and Failure. Science Signaling, 2010, 3, pe7.	3.6	138
40	PDL1 is expressed in the islets of people with type 1 diabetes and is up-regulated by interferons-Î± and-Î³ via IRF1 induction. EBioMedicine, 2018, 36, 367-375.	6.1	138
41	Citrullinated Glucose-Regulated Protein 78 Is an Autoantigen in Type 1 Diabetes. Diabetes, 2015, 64, 573-586.	0.6	136
42	Interferon-Î± mediates human beta cell HLA class I overexpression, endoplasmic reticulum stress and apoptosis, three hallmarks of early human type 1 diabetes. Diabetologia, 2017, 60, 656-667.	6.3	135
43	Cytokines Interleukin-1Î² and Tumor Necrosis Factor-Î± Regulate Different Transcriptional and Alternative Splicing Networks in Primary Î²-Cells. Diabetes, 2010, 59, 358-374.	0.6	134
44	Candidate genes for type 1 diabetes modulate pancreatic islet inflammation and <i>Î²</i>â€cell apoptosis. Diabetes, Obesity and Metabolism, 2013, 15, 71-81.	4.4	124
45	Death Protein 5 and p53-Upregulated Modulator of Apoptosis Mediate the Endoplasmic Reticulum Stressâ€“Mitochondrial Dialog Triggering Lipotoxic Rodent and Human Î²-Cell Apoptosis. Diabetes, 2012, 61, 2763-2775.	0.6	118
46	The impact of proinflammatory cytokines on the Î²-cell regulatory landscape provides insights into the genetics of type 1 diabetes. Nature Genetics, 2019, 51, 1588-1595.	21.4	117
47	C/EBP homologous protein contributes to cytokine-induced pro-inflammatory responses and apoptosis in Î²-cells. Cell Death and Differentiation, 2012, 19, 1836-1846.	11.2	114
48	Global profiling of genes modified by endoplasmic reticulum stress in pancreatic beta cells reveals the early degradation of insulin mRNAs. Diabetologia, 2007, 50, 1006-1014.	6.3	109
49	p53 Up-regulated Modulator of Apoptosis (PUMA) Activation Contributes to Pancreatic Î²-Cell Apoptosis Induced by Proinflammatory Cytokines and Endoplasmic Reticulum Stress. Journal of Biological Chemistry, 2010, 285, 19910-19920.	3.4	108
50	Mcl-1 downregulation by pro-inflammatory cytokines and palmitate is an early event contributing to Î²-cell apoptosis. Cell Death and Differentiation, 2011, 18, 328-337.	11.2	107
51	Interleukin-1Î² induces the expression of an isoform of nitric oxide synthase in insulin-producing cells, which is similar to that observed in activated macrophages. FEBS Letters, 1992, 308, 249-252.	2.8	106
52	Sustained production of spliced X-box binding protein 1 (XBP1) induces pancreatic beta cell dysfunction and apoptosis. Diabetologia, 2010, 53, 1120-1130.	6.3	103
53	Cytokines activate the nuclear factor ÎºB (NF-ÎºB) and induce nitric oxide production in human pancreatic islets. FEBS Letters, 1996, 385, 4-6.	2.8	98
54	<i>TYK2</i>, a Candidate Gene for Type 1 Diabetes, Modulates Apoptosis and the Innate Immune Response in Human Pancreatic Î²-Cells. Diabetes, 2015, 64, 3808-3817.	0.6	98

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55	Exposure of human islets to cytokines can result in disproportionately elevated proinsulin release. Journal of Clinical Investigation, 1999, 104, 67-72.	8.2	96
56	Sensitivity of human pancreatic islets to peroxynitrite-induced cell dysfunction and death. FEBS Letters, 1996, 394, 300-306.	2.8	95
57	Type 2 diabetes mellitusâ€"an autoimmune disease?. Nature Reviews Endocrinology, 2013, 9, 750-755.	9.6	93
58	<i>BACH2</i>, a Candidate Risk Gene for Type 1 Diabetes, Regulates Apoptosis in Pancreatic Î²-Cells via JNK1 Modulation and Crosstalk With the Candidate Gene <i>PTPN2</i>. Diabetes, 2014, 63, 2516-2527.	0.6	92
59	MicroRNAs miR-23a-3p, miR-23b-3p, and miR-149-5p Regulate the Expression of Proapoptotic BH3-Only Proteins DP5 and PUMA in Human Pancreatic Î²-Cells. Diabetes, 2017, 66, 100-112.	0.6	87
60	An integrated multi-omics approach identifies the landscape of interferon-Î±-mediated responses of human pancreatic beta cells. Nature Communications, 2020, 11, 2584.	12.8	87
61	<i>CTSH</i> regulates Î²-cell function and disease progression in newly diagnosed type 1 diabetes patients. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10305-10310.	7.1	81
62	Pancreatic Î± Cells are Resistant to Metabolic Stress-induced Apoptosis in Type 2 Diabetes. EBioMedicine, 2015, 2, 378-385.	6.1	80
63	Biochemical and Molecular Actions of Interleukin-1 on Pancreatic Î²-Cells. Autoimmunity, 1991, 10, 241-253.	2.6	79
64	Comprehensive Proteomics Analysis of Stressed Human Islets Identifies GDF15 as a Target for Type 1 Diabetes Intervention. Cell Metabolism, 2020, 31, 363-374.e6.	16.2	78
65	ER stress and the decline and fall of pancreatic beta cells in type 1 diabetes. Upsala Journal of Medical Sciences, 2016, 121, 133-139.	0.9	77
66	Presumption of innocence for beta cells: why are they vulnerable autoimmune targets in type 1 diabetes?. Diabetologia, 2020, 63, 1999-2006.	6.3	72
67	Interleukin-1Î² Depletes Insulin Messenger Ribonucleic Acid and Increases the Heat Shock Protein hsp70 in Mouse Pancreatic Islets Without Impairing the Glucose Metabolism*. Endocrinology, 1990, 127, 2290-2297.	2.8	71
68	Nova1 is a master regulator of alternative splicing in pancreatic beta cells. Nucleic Acids Research, 2014, 42, 11818-11830.	14.5	71
69	A Missense Mutation in <i>PPP1R15B</i> Causes a Syndrome Including Diabetes, Short Stature, and Microcephaly. Diabetes, 2015, 64, 3951-3962.	0.6	71
70	Reversal of beta-cell suppression in vitro in pancreatic islets isolated from nonobese diabetic mice during the phase preceding insulin-dependent diabetes mellitus.. Journal of Clinical Investigation, 1990, 85, 1944-1950.	8.2	70
71	Interleukin-1 -induced expression of nitric oxide synthase in insulin-producing cells is preceded by c-fosinduction and depends on gene transcription and protein synthesis. FEBS Letters, 1993, 317, 62-66.	2.8	68
72	Resistance to type 2 diabetes mellitus: a matter of hormesis?. Nature Reviews Endocrinology, 2012, 8, 183-192.	9.6	68

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73	Modulation of Autophagy Influences the Function and Survival of Human Pancreatic Beta Cells Under Endoplasmic Reticulum Stress Conditions and in Type 2 Diabetes. Frontiers in Endocrinology, 2019, 10, 52.	3.5	67
74	Functional Characteristics of Rat Pancreatic Islets Maintained in Culture After Exposure to Human Interleukin 1. Diabetes, 1988, 37, 916-919.	0.6	66
75	Persistent or Transient Human Î² Cell Dysfunction Induced by Metabolic Stress: Specific Signatures and Shared Gene Expression with Type 2 Diabetes. Cell Reports, 2020, 33, 108466.	6.4	65
76	USP18 is a key regulator of the interferon-driven gene network modulating pancreatic beta cell inflammation and apoptosis. Cell Death and Disease, 2012, 3, e419-e419.	6.3	63
77	Unexpected subcellular distribution of a specific isoform of the Coxsackie and adenovirus receptor, CAR-SIV, in human pancreatic beta cells. Diabetologia, 2018, 61, 2344-2355.	6.3	60
78	Pro-inflammatory cytokines induce cell death, inflammatory responses, and endoplasmic reticulum stress in human iPSC-derived beta cells. Stem Cell Research and Therapy, 2020, 11, 7.	5.5	60
79	Repair of Pancreatic Î²-cells: A Relevant Phenomenon in Early IDDM?. Diabetes, 1993, 42, 1383-1391.	0.6	58
80	YIPF5 mutations cause neonatal diabetes and microcephaly through endoplasmic reticulum stress. Journal of Clinical Investigation, 2020, 130, 6338-6353.	8.2	58
81	Both conditional ablation and overexpression of E2 SUMO-conjugating enzyme (UBC9) in mouse pancreatic beta cells result in impaired beta cell function. Diabetologia, 2018, 61, 881-895.	6.3	57
82	Neuron-enriched RNA-binding Proteins Regulate Pancreatic Beta Cell Function and Survival. Journal of Biological Chemistry, 2017, 292, 3466-3480.	3.4	56
83	Huntingtin-interacting protein 14 is a type 1 diabetes candidate protein regulating insulin secretion and Î²-cell apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E681-8.	7.1	55
84	Culture of mouse pancreatic islets in different glucose concentrations modifies B cell sensitivity to streptozotocin. Diabetologia, 1988, 31, 168-174.	6.3	53
85	Obstacles on the way to the clinical visualisation of beta cells: looking for the Aeneas of molecular imaging to navigate between Scylla and Charybdis. Diabetologia, 2012, 55, 1247-1257.	6.3	53
86	Differential cell autonomous responses determine the outcome of coxsackievirus infections in murine pancreatic Î± and Î² cells. ELife, 2015, 4, e06990.	6.0	53
87	Cytokine-induced translocation of GRP78 to the plasma membrane triggers a pro-apoptotic feedback loop in pancreatic beta cells. Cell Death and Disease, 2019, 10, 309.	6.3	53
88	JunB Inhibits ER Stress and Apoptosis in Pancreatic Beta Cells. PLoS ONE, 2008, 3, e3030.	2.5	52
89	Enhanced Signaling Downstream of Ribonucleic Acid-Activated Protein Kinase-Like Endoplasmic Reticulum Kinase Potentiates Lipotoxic Endoplasmic Reticulum Stress in Human Islets. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1442-1449.	3.6	52
90	Exposure to the Viral By-Product dsRNA or Coxsackievirus B5 Triggers Pancreatic Beta Cell Apoptosis via a Bim / Mcl-1 Imbalance. PLoS Pathogens, 2011, 7, e1002267.	4.7	52

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91	Temporal profiling of cytokine-induced genes in pancreatic Î²-cells by meta-analysis and network inference. Genomics, 2014, 103, 264-275.	2.9	52
92	Predominance of stimulatory effects of interleukin-1 beta on isolated human pancreatic islets.. Journal of Clinical Endocrinology and Metabolism, 1993, 76, 399-403.	3.6	51
93	Use of Microarray Analysis to Unveil Transcription Factor and Gene Networks Contributing to Î² Cell Dysfunction and Apoptosis. Annals of the New York Academy of Sciences, 2003, 1005, 55-74.	3.8	51
94	MECHANISMS IN ENDOCRINOLOGY: Alternative splicing: the new frontier in diabetes research. European Journal of Endocrinology, 2016, 174, R225-R238.	3.7	50
95	IFN-Î± induces a preferential long-lasting expression of MHC class I in human pancreatic beta cells. Diabetologia, 2018, 61, 636-640.	6.3	50
96	Genome-wide hydroxymethylcytosine pattern changes in response to oxidative stress. Scientific Reports, 2015, 5, 12714.	3.3	48
97	IL-17A increases the expression of proinflammatory chemokines in human pancreatic islets. Diabetologia, 2014, 57, 502-511.	6.3	47
98	Genotoxic Agents Increase Expression of Growth Arrest and DNA Damage-Inducible Genes gadd 153 and gadd 45 in Rat Pancreatic Islets. Diabetes, 1993, 42, 738-745.	0.6	46
99	Mast cells infiltrate pancreatic islets in human type 1 diabetes. Diabetologia, 2015, 58, 2554-2562.	6.3	46
100	SRp55 Regulates a Splicing Network That Controls Human Pancreatic Î²-Cell Function and Survival. Diabetes, 2018, 67, 423-436.	0.6	46
101	TIGER: The gene expression regulatory variation landscape of human pancreatic islets. Cell Reports, 2021, 37, 109807.	6.4	45
102	Ubiquitin D Regulates IRE1Î±/c-Jun N-terminal Kinase (JNK) Protein-dependent Apoptosis in Pancreatic Beta Cells. Journal of Biological Chemistry, 2016, 291, 12040-12056.	3.4	44
103	The T1D-associated lncRNA <i>Lnc13</i> modulates human pancreatic Î² cell inflammation by allele-specific stabilization of <i>STAT1</i> mRNA. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9022-9031.	7.1	43
104	Use of a systems biology approach to understand pancreatic Î²-cell death in TypeÂ1 diabetes. Biochemical Society Transactions, 2008, 36, 321-327.	3.4	42
105	The non-canonical NF-Î°B pathway is induced by cytokines in pancreatic beta cells and contributes to cell death and proinflammatory responses in vitro. Diabetologia, 2016, 59, 512-521.	6.3	42
106	Gene expression signatures of target tissues in type 1 diabetes, lupus erythematosus, multiple sclerosis, and rheumatoid arthritis. Science Advances, 2021, 7, .	10.3	42
107	A nanobody-based tracer targeting DPP6 for non-invasive imaging of human pancreatic endocrine cells. Scientific Reports, 2017, 7, 15130.	3.3	41
108	Pancreatic Î²-cell protection from inflammatory stress by the endoplasmic reticulum proteins thrombospondin 1 and mesencephalic astrocyte-derived neutrotrophic factor (MANF). Journal of Biological Chemistry, 2017, 292, 14977-14988.	3.4	41

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109	Intercellular Differences in Interleukin 1Î²-Induced Suppression of Insulin Synthesis and Stimulation of Noninsulin Protein Synthesis by Rat Pancreatic Î²-Cells*. Endocrinology, 1998, 139, 1540-1545.	2.8	39
110	MBD2 regulates TH17 differentiation and experimental autoimmune encephalomyelitis by controlling the homeostasis of T-bet/Hlx axis. Journal of Autoimmunity, 2014, 53, 95-104.	6.5	39
111	Pancreatic Î²-cells activate a JunB/ATF3-dependent survival pathway during inflammation. Oncogene, 2012, 31, 1723-1732.	5.9	38
112	Beta cell imaging â€“ a key tool in optimized diabetes prevention and treatment. Trends in Endocrinology and Metabolism, 2014, 25, 375-377.	7.1	38
113	JunB protects Î²-cells from lipotoxicity via the XBP1â€“AKT pathway. Cell Death and Differentiation, 2014, 21, 1313-1324.	11.2	37
114	Interleukin-1Î² Induces an Early Decrease in Insulin Release, (Pro)Insulin Biosynthesis and Insulin Mrna in Mouse Pancreatic Islets by a Mechanism Dependent on Gene Transcription and Protein Synthesis. Autoimmunity, 1991, 10, 107-113.	2.6	36
115	A genomic-based approach identifies FXYD domain containing ion transport regulator 2 (FXYD2)Î³a as a pancreatic beta cell-specific biomarker. Diabetologia, 2010, 53, 1372-1383.	6.3	35
116	Combined transcriptome and proteome profiling of the pancreatic Î²-cell response to palmitate unveils key pathways of Î²-cell lipotoxicity. BMC Genomics, 2020, 21, 590.	2.8	35
117	A Combined â€œOmicsâ€•Approach Identifies N-Myc Interactor as a Novel Cytokine-induced Regulator of IRE1Î± Protein and c-Jun N-terminal Kinase in Pancreatic Beta Cells. Journal of Biological Chemistry, 2014, 289, 20677-20693.	3.4	34
118	Loss of <i>Mbd2</i> Protects Mice Against High-Fat Dietâ€“Induced Obesity and Insulin Resistance by Regulating the Homeostasis of Energy Storage and Expenditure. Diabetes, 2016, 65, 3384-3395.	0.6	34
119	Peptides Derived From Insulin Granule Proteins Are Targeted by CD8+ T Cells Across MHC Class I Restrictions in Humans and NOD Mice. Diabetes, 2020, 69, 2678-2690.	0.6	34
120	Exercise training protects human and rodent Î² cells against endoplasmic reticulum stress and apoptosis. FASEB Journal, 2018, 32, 1524-1536.	0.5	33
121	Kdm2a deficiency in macrophages enhances thermogenesis to protect mice against HFD-induced obesity by enhancing H3K36me2 at the Pparg locus. Cell Death and Differentiation, 2021, 28, 1880-1899.	11.2	33
122	Use of RNA Interference to Investigate Cytokine Signal Transduction in Pancreatic Beta Cells. Methods in Molecular Biology, 2012, 820, 179-194.	0.9	33
123	Protective Role of Complement C3 Against Cytokine-Mediated Î²-Cell Apoptosis. Endocrinology, 2017, 158, 2503-2521.	2.8	32
124	When one becomes manyâ€"Alternative splicing in Î²â€cell function and failure. Diabetes, Obesity and Metabolism, 2018, 20, 77-87.	4.4	32
125	DEXI, a candidate gene for type 1 diabetes, modulates rat and human pancreatic beta cell inflammation via regulation of the type I IFN/STAT signalling pathway. Diabetologia, 2019, 62, 459-472.	6.3	32
126	Nicotinamide Decreases Nitric Oxide Production and Partially Protects Human Pancreatic Islets Against the Suppressive Effects of Combinations of Cytokines. Autoimmunity, 1994, 19, 193-198.	2.6	31

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127	Distinct gene expression pathways in islets from individuals with shortâ€•and longâ€duration type 1 diabetes. Diabetes, Obesity and Metabolism, 2018, 20, 1859-1867.	4.4	31
128	Biomarkers of islet beta cell stress and death in type 1 diabetes. Diabetologia, 2018, 61, 2259-2265.	6.3	31
129	DNAJC3 deficiency induces Î²-cell mitochondrial apoptosis and causes syndromic young-onset diabetes. European Journal of Endocrinology, 2021, 184, 455-468.	3.7	29
130	Beta-Cell Defence and Repair Mechanisms in Human Pancreatic Islets. Hormone and Metabolic Research, 1996, 28, 302-305.	1.5	28
131	Succinic acid monomethyl ester protects rat pancreatic islet secretory potential against interleukin-1Î² (IL-1Î²) without affecting glutamate decarboxylase expression or nitric oxide production. FEBS Letters, 1994, 337, 298-302.	2.8	25
132	Preclinical evaluation of tyrosine kinase 2 inhibitors for human betaâ€cell protection in type 1 diabetes. Diabetes, Obesity and Metabolism, 2020, 22, 1827-1836.	4.4	25
133	Interferon regulatory factor-1 is a key transcription factor in murine beta cells under immune attack. Diabetologia, 2009, 52, 2374-2384.	6.3	24
134	Nicotinamide and dexamethasone inhibit interleukin-1-induced nitric oxide production by RINm5F cells without decreasing messenger ribonucleic acid expression for nitric oxide synthase. Endocrinology, 1993, 133, 1739-1743.	2.8	24
135	Coxsackievirus B Tailors the Unfolded Protein Response to Favour Viral Amplification in Pancreatic Î² Cells. Journal of Innate Immunity, 2019, 11, 375-390.	3.8	23
136	Expression of the citrulline-nitric oxide cycle in rodent and human pancreatic beta-cells: induction of argininosuccinate synthetase by cytokines. Endocrinology, 1995, 136, 3200-3206.	2.8	23
137	Cycad toxin-induced damage of rodent and human pancreatic Î²-cells. Biochemical Pharmacology, 1995, 50, 355-365.	4.4	22
138	Novel Insights into the Global Proteome Responses of Insulin-Producing INS-1E Cells To Different Degrees of Endoplasmic Reticulum Stress. Journal of Proteome Research, 2010, 9, 5142-5152.	3.7	22
139	dUTPase (<i>DUT</i>) Is Mutated in a Novel Monogenic Syndrome With Diabetes and Bone Marrow Failure. Diabetes, 2017, 66, 1086-1096.	0.6	22
140	High-throughput screening and bioinformatic analysis to ascertain compounds that prevent saturated fatty acid-induced Î²-cell apoptosis. Biochemical Pharmacology, 2017, 138, 140-149.	4.4	22
141	Molecular genetics of the transcription factor GLIS3 identifies its dual function in beta cells and neurons. Genomics, 2018, 110, 98-111.	2.9	22
142	Human interleukin-1? induced stimulation of insulin release from rat pancreatic islets is accompanied by an increase in mitochondrial oxidative events. Diabetologia, 1989, 32, 769-73.	6.3	21
143	On the Immense Variety and Complexity of Circumstances Conditioning Pancreatic Î²-Cell Apoptosis in Type 1 Diabetes. Diabetes, 2012, 61, 1661-1663.	0.6	21
144	JNK Activation of BIM Promotes Hepatic Oxidative Stress, Steatosis, and Insulin Resistance in Obesity. Diabetes, 2017, 66, 2973-2986.	0.6	21

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145	Prolonged exposure of pancreatic islets isolated from ?pre-diabetic? non-obese diabetic mice to a high glucose concentration does not impair Beta-cell function. Diabetologia, 1991, 34, 6-11.	6.3	20
146	A nanobody-based nuclear imaging tracer targeting dipeptidyl peptidase 6 to determine the mass of human beta cell grafts in mice. Diabetologia, 2020, 63, 825-836.	6.3	20
147	Revisiting the role of inflammation in the loss of pancreatic Î²-cells in T1DM. Nature Reviews Endocrinology, 2020, 16, 611-612.	9.6	20
148	MCL-1 Is a Key Antiapoptotic Protein in Human and Rodent Pancreatic Î²-Cells. Diabetes, 2017, 66, 2446-2458.	0.6	19
149	Molecular Footprints of the Immune Assault on Pancreatic Beta Cells in Type 1 Diabetes. Frontiers in Endocrinology, 2020, 11, 568446.	3.5	19
150	Function and Metabolism of Pancreatic Î²â€Cells Maintained in Culture Following Experimentally Induced Damage. Basic and Clinical Pharmacology and Toxicology, 1989, 65, 163-168.	0.0	18
151	Role of Receptor Binding and Gene Transcription for Both of Stimulatory and Inhibitory Effects of Interleukin-1 In Pancreatic Î²-Cells. Autoimmunity, 1992, 12, 127-133.	2.6	18
152	Role of cytokines in regulation of pancreatic B-cell function. Biochemical Society Transactions, 1994, 22, 26-30.	3.4	18
153	Pancreatic Beta Cell Survival and Signaling Pathways: Effects of Type 1 Diabetes-Associated Genetic Variants. Methods in Molecular Biology, 2015, 1433, 21-54.	0.9	18
154	The Pancreatic ÃŸ-cell Response to Secretory Demands and Adaption to Stress. Endocrinology, 2021, 162, .	2.8	18
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