

# Mechanisms of Pancreatic $\beta$ -Cell Death in Type 1 and Type 2 Diabetes: Similarities

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Radix clematidis extract protects against cytokine- and streptozotocin-induced $\beta$ -cell damage by suppressing the NF- $\kappa$ B pathway. <i>International Journal of Molecular Medicine</i> , 1998, 22, 349.	1.8	5
2	Cytokine-Induced Proapoptotic Gene Expression in Insulin-Producing Cells Is Related to Rapid, Sustained, and Nonoscillatory Nuclear Factor- $\kappa$ B Activation. <i>Molecular Endocrinology</i> , 2006, 20, 1867-1879.	3.7	124
3	Role of islet amyloid in type 2 diabetes mellitus. <i>International Journal of Biochemistry and Cell Biology</i> , 2006, 38, 726-736.	1.2	121
4	Lipotoxicity versus adipotoxicity—The deleterious effects of adipose tissue on beta cells in the pathogenesis of type 2 diabetes. <i>Diabetes Research and Clinical Practice</i> , 2006, 74, S3-S8.	1.1	31
5	Imatinib mesylate (Gleevec) protects against streptozotocin-induced diabetes and islet cell death in vitro. <i>Cell Biology International</i> , 2006, 30, 1013-1017.	1.4	46
6	Differential protective effects of palmitoleic acid and cAMP on caspase activation and cell viability in pancreatic $\beta$ -cells exposed to palmitate. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 1231-1238.	2.2	48
7	BCL-6: a possible missing link for anti-inflammatory PPAR- $\gamma$ signalling in pancreatic beta cells. <i>Diabetologia</i> , 2006, 49, 2350-2358.	2.9	34
8	Beta cell death in hyperglycaemic <i>Psammomys obesus</i> is not cytokine-mediated. <i>Diabetologia</i> , 2006, 49, 2704-2712.	2.9	26
9	Changes in Inflammatory Cytokines Are Related to Impaired Glucose Tolerance in Offspring of Type 2 Diabetic Subjects. <i>Diabetes Care</i> , 2006, 29, 2714-2720.	4.3	66
10	Conditional and specific NF- $\kappa$ B blockade protects pancreatic beta cells from diabetogenic agents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5072-5077.	3.3	231
11	ERK1/2 Control Phosphorylation and Protein Level of cAMP-Responsive Element-Binding Protein: A Key Role in Glucose-Mediated Pancreatic $\beta$ -Cell Survival. <i>Diabetes</i> , 2006, 55, 2220-2230.	0.3	89
12	Nuclear Factor- $\kappa$ B Regulates $\beta$ -Cell Death. <i>Diabetes</i> , 2006, 55, 2491-2501.	0.3	112
13	Selective Inhibition of Eukaryotic Translation Initiation Factor 2 $\epsilon$ Dephosphorylation Potentiates Fatty Acid-induced Endoplasmic Reticulum Stress and Causes Pancreatic $\beta$ -Cell Dysfunction and Apoptosis. <i>Journal of Biological Chemistry</i> , 2007, 282, 3989-3997.	1.6	266
14	Differential regulation of CHOP-10/GADD153 gene expression by MAPK signaling in pancreatic $\beta$ -cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 11518-11525.	3.3	30
15	Resveratrol Binds to the Sulfonylurea Receptor (SUR) and Induces Apoptosis in a SUR Subtype-specific Manner. <i>Journal of Biological Chemistry</i> , 2007, 282, 3347-3356.	1.6	62
16	Profiling of human mesangial cell subproteomes reveals a role for calmodulin in glucose uptake. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, F1182-F1189.	1.3	32
17	Finding GAD: Early Detection of $\beta$ -Cell Injury. <i>Endocrinology</i> , 2007, 148, 4568-4571.	1.4	12
18	Association of Small Ubiquitin-Like Modifier 4 (SUMO4) Variant, Located in IDDM5 Locus, with Type 2 Diabetes in the Japanese Population. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 2358-2362.	1.8	29

#	ARTICLE	IF	CITATIONS
19	Induction of CXCL1 by Extracellular Matrix and Autocrine Enhancement by Interleukin-1 in Rat Pancreatic $\beta$ -Cells. <i>Endocrinology</i> , 2007, 148, 5582-5590.	1.4	43
20	Transcriptional Regulation of the Endoplasmic Reticulum Stress Gene Chop in Pancreatic Insulin-Producing Cells. <i>Diabetes</i> , 2007, 56, 1069-1077.	0.3	86
21	Endoplasmic Reticulum Stress Signaling in Pancreatic $\beta$ -Cells. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 2335-2344.	2.5	37
22	Deletion of STAT-1 Pancreatic Islets Protects Against Streptozotocin-Induced Diabetes and Early Graft Failure but Not Against Late Rejection. <i>Diabetes</i> , 2007, 56, 2169-2173.	0.3	48
23	Dominant-Negative Effects of a Novel Mutated Ins2 Allele Causes Early-Onset Diabetes and Severe $\beta$ -Cell Loss in Munich Ins2C95S Mutant Mice. <i>Diabetes</i> , 2007, 56, 1268-1276.	0.3	136
24	The Dual Peroxisome Proliferator-Activated Receptor $\alpha/\beta$ Activator Muraglitazar Prevents the Natural Progression of Diabetes in db/db Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 321, 107-115.	1.3	16
25	Proteomics Analysis of Cytokine-induced Dysfunction and Death in Insulin-producing INS-1E Cells. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 2180-2199.	2.5	73
26	$\alpha$ 1-Antitrypsin Protects $\beta$ -Cells From Apoptosis. <i>Diabetes</i> , 2007, 56, 1316-1323.	0.3	171
27	Role of uncoupling protein UCP2 in cell-mediated immunity: How macrophage-mediated insulinitis is accelerated in a model of autoimmune diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19085-19090.	3.3	69
28	What Is Gestational Diabetes?. <i>Diabetes Care</i> , 2007, 30, S105-S111.	4.3	314
29	Life and death decisions of the pancreatic $\beta$ -cell: the role of fatty acids. <i>Clinical Science</i> , 2007, 112, 27-42.	1.8	136
31	Cell Loss during Pseudoislet Formation Hampers Profound Improvements in Islet Lentiviral Transduction Efficacy for Transplantation Purposes. <i>Cell Transplantation</i> , 2007, 16, 527-537.	1.2	17
32	Acute Exacerbation of Diabetes and Hypothyroidism in a Patient With Hepatitis C After Therapy With Interferon Alpha. , 2007, 17, 157-159.		0
33	Signaling Pathways Involved in Physiopathology of Pancreatic $\beta$ -Cells. <i>Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery</i> , 2007, 1, 180-192.	0.7	0
34	Antioxidants attenuate high glucose-induced hypertrophic growth in renal tubular epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, F1072-F1082.	1.3	67
35	Insulin secretion defects of human type 2 diabetic islets are corrected in vitro by a new reactive oxygen species scavenger. <i>Diabetes and Metabolism</i> , 2007, 33, 340-345.	1.4	49
36	Apoptosis in the pathophysiology of diabetes mellitus. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 497-504.	1.2	82
37	Activation of peroxisome proliferator-activated receptor- $\beta$ protects pancreatic $\beta$ -cells from cytokine-induced cytotoxicity via NF $\kappa$ B pathway. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 1260-1275.	1.2	84

#	ARTICLE	IF	CITATIONS
38	Cell-permeable peptides induce dose- and length-dependent cytotoxic effects. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 2222-2234.	1.4	92
39	Protective Effect of Ginseng on Cytokine-Induced Apoptosis in Pancreatic $\beta$ -Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 2816-2823.	2.4	43
40	Evaluating the anti-diabetic effects of <i>Sarcopoterium spinosum</i> extracts in vitro. <i>Israel Journal of Plant Sciences</i> , 2007, 55, 103-109.	0.3	5
41	Effect of iNOS and NF- $\kappa$ B gene silencing on $\beta$ -cell survival and function. <i>Journal of Drug Targeting</i> , 2007, 15, 358-369.	2.1	15
42	From death receptor to reactive oxygen species and c-Jun N-terminal protein kinase: the receptor-interacting protein 1 odyssey. <i>Immunological Reviews</i> , 2007, 220, 8-21.	2.8	90
43	In silico identification of NF-kappaB-regulated genes in pancreatic beta-cells. <i>BMC Bioinformatics</i> , 2007, 8, 55.	1.2	24
44	Impaired vascular function in normoglycemic mice prone to autoimmune diabetes: Role of nitric oxide. <i>European Journal of Pharmacology</i> , 2007, 557, 161-167.	1.7	2
45	Mechanisms of action of glucagon-like peptide 1 in the pancreas. , 2007, 113, 546-593.		561
46	Global profiling of genes modified by endoplasmic reticulum stress in pancreatic beta cells reveals the early degradation of insulin mRNAs. <i>Diabetologia</i> , 2007, 50, 1006-1014.	2.9	109
47	Acute nutrient regulation of the unfolded protein response and integrated stress response in cultured rat pancreatic islets. <i>Diabetologia</i> , 2007, 50, 1442-1452.	2.9	132
48	Inhibition of MafA transcriptional activity and human insulin gene transcription by interleukin-1 $\beta$ and mitogen-activated protein kinase kinase kinase in pancreatic islet beta cells. <i>Diabetologia</i> , 2007, 50, 1678-1687.	2.9	31
49	The endoplasmic reticulum in pancreatic beta cells of type 2 diabetes patients. <i>Diabetologia</i> , 2007, 50, 2486-2494.	2.9	361
50	ID2 promotes the expansion and survival of growth-arrested pancreatic beta cells. <i>Endocrine</i> , 2007, 32, 329-337.	1.1	7
51	$\beta$ -cell failure as a complication of diabetes. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2008, 9, 329-343.	2.6	194
52	The effect of various inflammatory agents on the phagocytosis and cytokine profile of mouse and rat macrophages. <i>Inflammation Research</i> , 2008, 57, 75-83.	1.6	13
53	Too much of a good thing: why it is bad to stimulate the beta cell to secrete insulin. <i>Diabetologia</i> , 2008, 51, 540-545.	2.9	65
54	Induction of nuclear factor- $\kappa$ B and its downstream genes by TNF- $\alpha$ and IL-1 $\beta$ has a pro-apoptotic role in pancreatic beta cells. <i>Diabetologia</i> , 2008, 51, 1213-1225.	2.9	136
55	Type 2 diabetes: Gaining insight into the disease process using proteomics. <i>Proteomics - Clinical Applications</i> , 2008, 2, 312-326.	0.8	7

#	ARTICLE	IF	CITATIONS
56	SUMO4 and its role in type 1 diabetes pathogenesis. <i>Diabetes/Metabolism Research and Reviews</i> , 2008, 24, 93-102.	1.7	58
57	Critical role for IFN $\gamma$ in natural killer cell-mediated protection from diabetes. <i>European Journal of Immunology</i> , 2008, 38, 82-89.	1.6	39
58	Structural requirements for the cytoprotective actions of mono-unsaturated fatty acids in the pancreatic $\beta$ -cell line, BRIN-BD11. <i>British Journal of Pharmacology</i> , 2008, 153, 1718-1727.	2.7	39
59	The tumour-suppressor p53 is not required for pancreatic $\beta$ cell death during diabetes and upon irradiation. <i>Journal of Physiology</i> , 2008, 586, 407-417.	1.3	10
60	Prolonged exposure to IL-1 $\beta$ and IFN $\gamma$ induces necrosis of L929 tumor cells via a p38MAPK/NF- $\kappa$ B/NO-dependent mechanism. <i>Oncogene</i> , 2008, 27, 3780-3788.	2.6	20
61	Adipose Tissue Expandability in the Maintenance of Metabolic Homeostasis. <i>Nutrition Reviews</i> , 2007, 65, S7-S12.	2.6	99
62	The antidiabetic effects of cysteinyl metformin, a newly synthesized agent, in alloxan- and streptozocin-induced diabetic rats. <i>Chemico-Biological Interactions</i> , 2008, 173, 68-75.	1.7	51
63	Relation of circulating concentrations of chemokine receptor CCR5 ligands to C-peptide, proinsulin and HbA1c and disease progression in type 1 diabetes. <i>Clinical Immunology</i> , 2008, 128, 57-65.	1.4	51
64	Bioactivity of Flavonoids on Insulin-Secreting Cells. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2008, 7, 299-308.	5.9	82
65	$\beta$ -Cell Mass and Type 1 Diabetes. <i>Diabetes</i> , 2008, 57, 2883-2888.	0.3	125
66	Chapter 5 Dysregulation of T Cell Peripheral Tolerance in Type 1 Diabetes. <i>Advances in Immunology</i> , 2008, 100, 125-149.	1.1	28
67	Oxidative stress: the vulnerable $\beta$ -cell. <i>Biochemical Society Transactions</i> , 2008, 36, 343-347.	1.6	460
68	Comparison of the effect of individual saturated and unsaturated fatty acids on cell growth and death induction in the human pancreatic $\beta$ -cell line NES2Y. <i>Life Sciences</i> , 2008, 82, 684-691.	2.0	28
69	cGMP-independent anti-apoptotic effect of nitric oxide on thapsigargin-induced apoptosis in the pancreatic $\beta$ -cell line INS-1. <i>Life Sciences</i> , 2008, 83, 865-870.	2.0	21
70	Pancreatic transcription factors and their role in the birth, life and survival of the pancreatic $\beta$ cell. <i>Molecular and Cellular Endocrinology</i> , 2008, 294, 1-9.	1.6	158
71	An overview of pancreatic beta-cell defects in human type 2 diabetes: Implications for treatment. <i>Regulatory Peptides</i> , 2008, 146, 4-11.	1.9	99
72	The Role for Endoplasmic Reticulum Stress in Diabetes Mellitus. <i>Endocrine Reviews</i> , 2008, 29, 42-61.	8.9	990
73	Systemic Administration of Multipotent Mesenchymal Stromal Cells Reverts Hyperglycemia and Prevents Nephropathy in Type 1 Diabetic Mice. <i>Biology of Blood and Marrow Transplantation</i> , 2008, 14, 631-640.	2.0	297

#	ARTICLE	IF	CITATIONS
74	c-Jun amino terminal kinase 1 deficient mice are protected from streptozotocin-induced islet injury. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 710-716.	1.0	17
75	Thioredoxin-Interacting Protein. <i>Diabetes</i> , 2008, 57, 938-944.	0.3	295
76	Role of NF- $\kappa$ B in $\beta$ -cell death. <i>Biochemical Society Transactions</i> , 2008, 36, 334-339.	1.6	94
77	Cytokine-Induced $\beta$ -Cell Death Is Independent of Endoplasmic Reticulum Stress Signaling. <i>Diabetes</i> , 2008, 57, 3034-3044.	0.3	123
78	Is the ER Stressed out in Diabetic Kidney Disease?. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 2040-2042.	3.0	9
79	Characterization of the Anti-Diabetic and Antioxidant Effects of <i>Rehmannia Glutinosa</i> in Streptozotocin-Induced Diabetic Wistar Rats. <i>The American Journal of Chinese Medicine</i> , 2008, 36, 1083-1104.	1.5	36
80	$\beta$ -cell regeneration to treat Type 1 diabetes mellitus. <i>Expert Review of Endocrinology and Metabolism</i> , 2008, 3, 51-60.	1.2	5
81	<i>Scutellaria baicalensis</i> Enhances the Anti-Diabetic Activity of Metformin in Streptozotocin-Induced Diabetic Wistar Rats. <i>The American Journal of Chinese Medicine</i> , 2008, 36, 517-540.	1.5	84
82	Diazoxide-induced $\beta$ -cell rest reduces endoplasmic reticulum stress in lipotoxic $\beta$ -cells. <i>Journal of Endocrinology</i> , 2008, 199, 41-50.	1.2	46
83	Proapoptotic BH3-Only Protein Bid Is Essential For Death Receptor-Induced Apoptosis of Pancreatic $\beta$ -Cells. <i>Diabetes</i> , 2008, 57, 1284-1292.	0.3	85
84	Increased Expression of CCL2 in Insulin-Producing Cells of Transgenic Mice Promotes Mobilization of Myeloid Cells From the Bone Marrow, Marked Insulinitis, and Diabetes. <i>Diabetes</i> , 2008, 57, 3025-3033.	0.3	102
85	Association of IL-1ra and Adiponectin With C-Peptide and Remission in Patients With Type 1 Diabetes. <i>Diabetes</i> , 2008, 57, 929-937.	0.3	74
86	12-Lipoxygenase-knockout mice are resistant to inflammatory effects of obesity induced by western diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 295, E1065-E1075.	1.8	120
87	Loss of Ncb5or Results in Impaired Fatty Acid Desaturation, Lipoatrophy, and Diabetes. <i>Journal of Biological Chemistry</i> , 2008, 283, 29285-29291.	1.6	31
88	Modulation of Type 1 Diabetes Susceptibility by Tumor Necrosis Factor Alpha $\alpha$ 308 G/A and Lymphotoxin Alpha +249 A/G Haplotypes and Lack of Linkage Disequilibrium with Predisposing <i>DQB1-DRB1</i> Haplotypes in Bahraini Patients. <i>Vaccine Journal</i> , 2008, 15, 379-381.	3.2	7
89	Interaction between pro-inflammatory and anti-inflammatory cytokines in insulin-producing cells. <i>Journal of Endocrinology</i> , 2008, 197, 139-150.	1.2	67
90	Impaired Glucose-Stimulated Insulin Secretion Is Coupled With Exocrine Pancreatic Lesions in the Cohen Diabetic Rat. <i>Diabetes</i> , 2008, 57, 279-287.	0.3	49
91	Initiation and execution of lipotoxic ER stress in pancreatic $\beta$ -cells. <i>Journal of Cell Science</i> , 2008, 121, 2308-2318.	1.2	512

#	ARTICLE	IF	CITATIONS
92	High-Fat, Carbohydrate-Free Diet Markedly Aggravates Obesity but Prevents $\beta$ -Cell Loss and Diabetes in the Obese, Diabetes-Susceptible $\text{db/db}$ Strain. <i>Obesity Facts</i> , 2008, 1, 292-297.	1.6	12
93	Differential Interactions between Th1/Th2, Th1/Th3, and Th2/Th3 Cytokines in the Regulation of Thyroperoxidase and Dual Oxidase Expression, and of Thyroglobulin Secretion in Thyrocytes in Vitro. <i>Endocrinology</i> , 2008, 149, 1534-1542.	1.4	19
94	The Role of Nitric Oxide and the Unfolded Protein Response in Cytokine-Induced $\beta$ -Cell Death. <i>Diabetes</i> , 2008, 57, 124-132.	0.3	76
95	Inhibition of AMP-Activated Protein Kinase Protects Pancreatic $\beta$ -Cells From Cytokine-Mediated Apoptosis and CD8+ T-Cell-Induced Cytotoxicity. <i>Diabetes</i> , 2008, 57, 415-423.	0.3	71
96	Use of a systems biology approach to understand pancreatic $\beta$ -cell death in Type 1 diabetes. <i>Biochemical Society Transactions</i> , 2008, 36, 321-327.	1.6	42
97	Fatty acids and glucolipotoxicity in the pathogenesis of Type 2 diabetes. <i>Biochemical Society Transactions</i> , 2008, 36, 348-352.	1.6	166
98	The $\beta$ -Cell in Type 2 Diabetes and in Obesity. , 2008, 36, 118-134.		38
99	Towards a Curative Therapy in Type 1 Diabetes: Remission of Autoimmunity, Maintenance and Augmentation of $\beta$ Cell Mass. <i>Novartis Foundation Symposium</i> , 2008, 292, 146-158.	1.2	14
100	Dietary Toxins, Endoplasmic Reticulum (ER) Stress and Diabetes. <i>Current Diabetes Reviews</i> , 2008, 4, 146-156.	0.6	10
101	PULMONARY CONTUSION INDUCES ALVEOLAR TYPE 2 EPITHELIAL CELL APOPTOSIS. <i>Shock</i> , 2008, 30, 537-544.	1.0	60
102	High Levels of Endogenous Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand Expression Correlate With Increased Cell Death in Human Pancreas. <i>Pancreas</i> , 2008, 36, 385-393.	0.5	27
104	JunB Inhibits ER Stress and Apoptosis in Pancreatic Beta Cells. <i>PLoS ONE</i> , 2008, 3, e3030.	1.1	52
105	Mediators and mechanisms of pancreatic beta-cell death in type 1 diabetes. <i>Arquivos Brasileiros De Endocrinologia E Metabologia</i> , 2008, 52, 156-165.	1.3	119
106	Effect of IL- $1\beta$ on Survival and Energy Metabolism of R28 and RGC-5 Retinal Neurons. , 2008, 49, 5581.		35
107	Polimorfismo +49 A/G del gen del antígeno 4 del linfocito T citotóxico (CTLA-4) en la diabetes tipo 1: Asociación con el perfil de anticuerpos y citoquinas. <i>Revista Medica De Chile</i> , 2009, 137, .	0.1	4
108	Failure of beta-cell adaptation in type 2 diabetes: Lessons from animal models. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 1099.	3.0	23
109	Detection of Molecular Paths Associated with Insulinitis and Type 1 Diabetes in Non-Obese Diabetic Mouse. <i>PLoS ONE</i> , 2009, 4, e7323.	1.1	19
110	Multiple chromatin-bound protein kinases assemble factors that regulate insulin gene transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 22181-22186.	3.3	30

#	ARTICLE	IF	CITATIONS
111	Expression and regulation of osteopontin in type 1 diabetes. <i>Islets</i> , 2009, 1, 34-41.	0.9	14
112	Heterogeneity in Mitotic Activity and Telomere Length Implies an Important Role of Young Islets in the Maintenance of Islet Mass in the Adult Pancreas. <i>Endocrinology</i> , 2009, 150, 3058-3066.	1.4	24
113	Anti-apoptotic Action of Exendin-4 in INS-1 Beta Cells: Comparative Protein Pattern Analysis of Isolated Mitochondria. <i>Hormone and Metabolic Research</i> , 2009, 41, 294-301.	0.7	52
114	Impact of Cytokine- and FasL-induced Apoptosis in the $\beta^2$ -Cell Line NIT-1. <i>Hormone and Metabolic Research</i> , 2009, 41, 207-212.	0.7	9
115	High $\beta^2$ -cell mass prevents streptozotocin-induced diabetes in thioredoxin-interacting protein-deficient mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E1251-E1261.	1.8	39
116	Nitric oxides mediates a shift from early necrosis to late apoptosis in cytokine-treated $\beta^2$ -cells that is associated with irreversible DNA damage. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E1187-E1196.	1.8	39
117	Bad News for $\beta^2$ -Cell Apoptosis. <i>Diabetes</i> , 2009, 58, 1725-1727.	0.3	14
118	Drak2 Is Upstream of p70S6 Kinase: Its Implication in Cytokine-Induced Islet Apoptosis, Diabetes, and Islet Transplantation. <i>Journal of Immunology</i> , 2009, 182, 4762-4770.	0.4	27
119	Roles of IP3R and RyR Ca <sup>2+</sup> Channels in Endoplasmic Reticulum Stress and $\beta^2$ -Cell Death. <i>Diabetes</i> , 2009, 58, 422-432.	0.3	184
120	T cells cooperate with palmitic acid in induction of beta cell apoptosis. <i>BMC Immunology</i> , 2009, 10, 29.	0.9	14
121	Protection of insulin-producing cells against toxicity of dexamethasone by catalase overexpression. <i>Free Radical Biology and Medicine</i> , 2009, 47, 1386-1393.	1.3	20
122	Targeted disruption of the galectin-3 gene results in decreased susceptibility to multiple low dose streptozotocin-induced diabetes in mice. <i>Clinical Immunology</i> , 2009, 130, 83-88.	1.4	77
123	IL-1 $\beta$ $\beta^2$ receptor blockade protects islets against pro-inflammatory cytokine induced necrosis and apoptosis. <i>Journal of Cellular Physiology</i> , 2009, 220, 341-347.	2.0	52
124	Beta cell apoptosis in diabetes. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 1389-1404.	2.2	154
125	Diabetes mellitus and apoptosis: inflammatory cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 1435-1450.	2.2	17
126	Diabetes and apoptosis: lipotoxicity. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 1484-1495.	2.2	246
127	Mitochondria mediated cell death in diabetes. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 1405-1423.	2.2	49
128	Resistin induces rat insulinoma cell RINm5F apoptosis. <i>Molecular Biology Reports</i> , 2009, 36, 1703-1708.	1.0	16



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129	Effect of oral administration of diphenyl diselenide on antioxidant status, and activity of delta aminolevulinic acid dehydratase and isoforms of lactate dehydrogenase, in streptozotocin-induced diabetic rats. <i>Cell Biology and Toxicology</i> , 2009, 25, 415-424.	2.4	25
130	Sequential Changes in Serum Cytokines Reflect Viral RNA Kinetics in Target Organs of a Coxsackievirus B Infection in Mice. <i>Journal of Clinical Immunology</i> , 2009, 29, 611-619.	2.0	10
131	Effects of high concentration glucose on the expression of NF- $\kappa$ B, Bax and cytochrome C and apoptosis of islet cells in mice. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2009, 29, 439-444.	1.0	3
132	Cluster analysis of rat pancreatic islet gene mRNA levels after culture in low-, intermediate- and high-glucose concentrations. <i>Diabetologia</i> , 2009, 52, 463-476.	2.9	101
133	Post-mortem analysis of islet pathology in type 1 diabetes illuminates the life and death of the $\beta$ cell. <i>Clinical and Experimental Immunology</i> , 2009, 155, 125-127.	1.1	18
134	Analysis of islet inflammation in human type 1 diabetes. <i>Clinical and Experimental Immunology</i> , 2009, 155, 173-181.	1.1	577
135	Signaling by IL-1 $\beta$ +IFN- $\gamma$ and ER stress converge on DP5/Hrk activation: a novel mechanism for pancreatic $\beta$ -cell apoptosis. <i>Cell Death and Differentiation</i> , 2009, 16, 1539-1550.	5.0	143
136	Glucose regulation of islet stress responses and $\beta$ -cell failure in type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2009, 11, 65-81.	2.2	111
137	Zinc and diabetes " clinical links and molecular mechanisms. <i>Journal of Nutritional Biochemistry</i> , 2009, 20, 399-417.	1.9	360
138	Impact of absorption and transport on intelligent therapeutics and nanoscale delivery of protein therapeutic agents. <i>Chemical Engineering Science</i> , 2009, 64, 4553-4565.	1.9	32
139	Peptidic Targeting of Phosphatidylserine for the MRI Detection of Apoptosis in Atherosclerotic Plaques. <i>Molecular Pharmaceutics</i> , 2009, 6, 1903-1919.	2.3	78
140	Chronic Palmitate Exposure Inhibits Insulin Secretion by Dissociation of Ca <sup>2+</sup> Channels from Secretory Granules. <i>Cell Metabolism</i> , 2009, 10, 455-465.	7.2	131
141	Increased Hsp70 expression attenuates cytokine-induced cell death in islets of Langerhans from Shb knockout mice. <i>Biochemical and Biophysical Research Communications</i> , 2009, 387, 553-557.	1.0	12
142	The role of inflammation in insulinitis and $\beta$ -cell loss in type 1 diabetes. <i>Nature Reviews Endocrinology</i> , 2009, 5, 219-226.	4.3	847
143	Relationships Between Circulating Metabolic Intermediates and Insulin Action in Overweight to Obese, Inactive Men and Women. <i>Diabetes Care</i> , 2009, 32, 1678-1683.	4.3	362
144	Pancreas Biology, Pathology, and Tissue Engineering. , 2009, , 1-21.		0
145	Interleukin-1 beta targeted therapy for type 2 diabetes. <i>Expert Opinion on Biological Therapy</i> , 2009, 9, 1177-1188.	1.4	99
146	Emerging roles for the ubiquitin-proteasome system and autophagy in pancreatic $\beta$ -cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E1-E10.	1.8	51

#	ARTICLE	IF	CITATIONS
147	The Tol-Î² transgenic mouse: a model to study the specific role of NF-Î²B in Î²-cells. <i>Diabetes Research and Clinical Practice</i> , 2009, 86, S7-S14.	1.1	3
148	Functional Î²-Cell Mass and Insulin Sensitivity Is Decreased in Insulin-Independent Pancreas-Kidney Recipients. <i>Transplantation</i> , 2009, 87, 402-407.	0.5	18
149	Oxidative and nitrosative stress in Î²-cell apoptosis: their contribution to Î²-cell loss in type 1 diabetes mellitus. <i>British Journal of Biomedical Science</i> , 2009, 66, 208-215.	1.2	20
150	Identification of New Pancreatic Beta Cell Targets for In Vivo Imaging by a Systems Biology Approach. <i>Current Pharmaceutical Design</i> , 2010, 16, 1609-1618.	0.9	11
151	Nitrosative Stress as a Mediator of Apoptosis: Implications for Cancer Therapy. <i>Current Pharmaceutical Design</i> , 2010, 16, 45-55.	0.9	51
152	Mechanisms of non-apoptotic programmed cell death in diabetes and heart failure. <i>Cell Cycle</i> , 2010, 9, 3442-3448.	1.3	23
153	Potential utility of small tyrosine kinase inhibitors in the treatment of diabetes. <i>Clinical Science</i> , 2010, 118, 241-247.	1.8	39
154	Inhibition of Cytokine-Induced .BETA. Cell Apoptosis via Laccase and Its Therapeutic Advantages for Insulin-Dependent Diabetes Mellitus, Type 1 Diabetes. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 1854-1860.	0.6	7
155	Anti-inflammatory action of <i>Cudrania tricuspidata</i> on spleen cell and T lymphocyte proliferation. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 60, 1221-1226.	1.2	27
156	Mechanisms of Pancreatic Î²-Cell Apoptosis in Diabetes and Its Therapies. <i>Advances in Experimental Medicine and Biology</i> , 2010, 654, 447-462.	0.8	67
157	Immunology of Î²-Cell Destruction. <i>Advances in Experimental Medicine and Biology</i> , 2010, 654, 537-583.	0.8	27
158	Deficiency of Atf3, an adaptive-response gene, protects islets and ameliorates inflammation in a syngeneic mouse transplantation model. <i>Diabetologia</i> , 2010, 53, 1438-1450.	2.9	56
159	Palmitate induces a pro-inflammatory response in human pancreatic islets that mimics CCL2 expression by beta cells in type 2 diabetes. <i>Diabetologia</i> , 2010, 53, 1395-1405.	2.9	200
160	A genomic-based approach identifies FXYD domain containing ion transport regulator 2 (FXYD2)Î³a as a pancreatic beta cell-specific biomarker. <i>Diabetologia</i> , 2010, 53, 1372-1383.	2.9	35
161	Neuronal nitric oxide synthase protects the pancreatic beta cell from glucolipotoxicity-induced endoplasmic reticulum stress and apoptosis. <i>Diabetologia</i> , 2010, 53, 2177-2187.	2.9	32
162	IL-1Î² induces ER stress in a JNK dependent manner that determines cell death in human pancreatic epithelial MIA PaCa-2 cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010, 15, 864-876.	2.2	80
163	STZ-induced skeletal muscle atrophy is associated with increased p65 content and downregulation of insulin pathway without NF-Î²B canonical cascade activation. <i>Acta Diabetologica</i> , 2010, 47, 315-323.	1.2	19
164	Apoptotic death ligands and interleukins in the vitreous of diabetic patients. <i>Spektrum Der Augenheilkunde</i> , 2010, 24, 305-310.	0.2	0

#	ARTICLE	IF	CITATIONS
165	Beneficial effects of oligopeptides from marine salmon skin in a rat model of type 2 diabetes. <i>Nutrition</i> , 2010, 26, 1014-1020.	1.1	63
166	Requirement of NF-kappaB signalling pathway for modulation of the cholinergic muscarinic M3 receptor expression by INGAP-PP in insulin-producing cells. <i>European Journal of Pharmacology</i> , 2010, 642, 37-46.	1.7	15
167	Evidence that low-grade systemic inflammation can induce islet dysfunction as measured by impaired calcium handling. <i>Cell Calcium</i> , 2010, 48, 133-142.	1.1	73
168	High glucose induces suppression of insulin signalling and apoptosis via upregulation of endogenous IL-1 $\beta$ and suppressor of cytokine signalling-1 in mouse pancreatic beta cells. <i>Cellular Signalling</i> , 2010, 22, 791-800.	1.7	39
169	The induction of STAT1 gene by activating transcription factor 3 contributes to pancreatic $\beta$ -cell apoptosis and its dysfunction in streptozotocin-treated mice. <i>Cellular Signalling</i> , 2010, 22, 1669-1680.	1.7	30
170	The glycolipid sulfatide protects insulin-producing cells against cytokine-induced apoptosis, a possible role in diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2010, 26, 631-638.	1.7	11
171	Perfluorononanoic acid-induced apoptosis in rat spleen involves oxidative stress and the activation of caspase-independent death pathway. <i>Toxicology</i> , 2010, 267, 54-59.	2.0	36
172	Technologies for plasma membrane proteomics. <i>Proteomics</i> , 2010, 10, 611-627.	1.3	94
173	Causes and cures for endoplasmic reticulum stress in lipotoxic $\beta$ -cell dysfunction. <i>Diabetes, Obesity and Metabolism</i> , 2010, 12, 76-82.	2.2	120
174	4-Phenyl butyric acid does not generally reduce glucose levels in rodent models of diabetes. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010, 37, 441-446.	0.9	17
175	Immunocytochemical localisation of caspase-3 in pancreatic islets from type 2 diabetic subjects. <i>Pathology</i> , 2010, 42, 432-437.	0.3	21
176	c-Myc directly induces both impaired insulin secretion and loss of $\beta$ -cell mass, independently of hyperglycemia in vivo. <i>Islets</i> , 2010, 2, 37-45.	0.9	19
177	Insulin Gene Mutations Resulting in Early-Onset Diabetes: Marked Differences in Clinical Presentation, Metabolic Status, and Pathogenic Effect Through Endoplasmic Reticulum Retention. <i>Diabetes</i> , 2010, 59, 653-661.	0.3	132
178	<i>Nardostachys jatamansi</i> extract protects against cytokine-induced $\beta$ -cell damage and streptozotocin-induced diabetes. <i>World Journal of Gastroenterology</i> , 2010, 16, 3249.	1.4	37
179	The SPRY domain-containing SOCS box protein SPSB2 targets iNOS for proteasomal degradation. <i>Journal of Cell Biology</i> , 2010, 190, 129-141.	2.3	88
180	Lack of TXNIP Protects Against Mitochondria-Mediated Apoptosis but Not Against Fatty Acid-Induced ER Stress-Mediated $\beta$ -Cell Death. <i>Diabetes</i> , 2010, 59, 440-447.	0.3	107
181	Cytokines Interleukin-1 $\beta$ and Tumor Necrosis Factor- $\alpha$ Regulate Different Transcriptional and Alternative Splicing Networks in Primary $\beta$ -Cells. <i>Diabetes</i> , 2010, 59, 358-374.	0.3	134
182	Enhanced Signaling Downstream of Ribonucleic Acid-Activated Protein Kinase-Like Endoplasmic Reticulum Kinase Potentiates Lipotoxic Endoplasmic Reticulum Stress in Human Islets. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 1442-1449.	1.8	52

#	ARTICLE	IF	CITATIONS
183	Activation of AMP-Activated Protein Kinase Inhibits Oxidized LDL-Triggered Endoplasmic Reticulum Stress In Vivo. <i>Diabetes</i> , 2010, 59, 1386-1396.	0.3	178
184	Overexpression of Peroxiredoxin 4 Protects Against High-Dose Streptozotocin-Induced Diabetes by Suppressing Oxidative Stress and Cytokines in Transgenic Mice. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 1477-1490.	2.5	83
185	Sulfuretin protects against cytokine-induced $\beta^2$ -cell damage and prevents streptozotocin-induced diabetes. <i>Experimental and Molecular Medicine</i> , 2010, 42, 628.	3.2	58
186	p53 Up-regulated Modulator of Apoptosis (PUMA) Activation Contributes to Pancreatic $\beta^2$ -Cell Apoptosis Induced by Proinflammatory Cytokines and Endoplasmic Reticulum Stress. <i>Journal of Biological Chemistry</i> , 2010, 285, 19910-19920.	1.6	108
187	Protection against Cytokine Toxicity through Endoplasmic Reticulum and Mitochondrial Stress Prevention by Prostacyclin Synthase Overexpression in Insulin-producing Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 11121-11128.	1.6	21
188	Mixed Lineage Kinase-3 Stabilizes and Functionally Cooperates with TRIBBLES-3 to Compromise Mitochondrial Integrity in Cytokine-induced Death of Pancreatic Beta Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 22426-22436.	1.6	38
189	Regulation of CCAAT/Enhancer-binding Protein Homologous Protein (CHOP) Expression by Interleukin- $1\beta$ in Pancreatic $\beta^2$ Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 19710-19719.	1.6	17
190	Elimination of Negative Feedback Control Mechanisms Along the Insulin Signaling Pathway Improves $\beta$ -Cell Function Under Stress. <i>Diabetes</i> , 2010, 59, 2188-2197.	0.3	18
191	Role of Heme Oxygenase in Inflammation, Insulin-Signalling, Diabetes and Obesity. <i>Mediators of Inflammation</i> , 2010, 2010, 1-18.	1.4	129
192	UPR-mediated TRIB3 expression correlates with reduced AKT phosphorylation and inability of interleukin 6 to overcome palmitate-induced apoptosis in RINm5F cells. <i>Journal of Endocrinology</i> , 2010, 206, 183-193.	1.2	24
193	Antioxidant Protective Effect of Glibenclamide and Metformin in Combination with Honey in Pancreas of Streptozotocin-Induced Diabetic Rats. <i>International Journal of Molecular Sciences</i> , 2010, 11, 2056-2066.	1.8	131
194	Cellular Stress Responses: Cell Survival and Cell Death. <i>International Journal of Cell Biology</i> , 2010, 2010, 1-23.	1.0	984
195	Stress hyperactivation in the $\beta^2$ -cell. <i>Islets</i> , 2010, 2, 1-9.	0.9	57
196	XOMA 052, an Anti-IL- $1\beta$ Monoclonal Antibody, Improves Glucose Control and $\beta^2$ -Cell Function in the Diet-Induced Obesity Mouse Model. <i>Endocrinology</i> , 2010, 151, 2515-2527.	1.4	88
197	Small G Proteins in Islet $\beta^2$ -Cell Function. <i>Endocrine Reviews</i> , 2010, 31, 52-78.	8.9	112
198	Association Between Retinol-Binding Protein 4 Concentrations and Gestational Diabetes Mellitus and Risk of Developing Metabolic Syndrome After Pregnancy. <i>Reproductive Sciences</i> , 2010, 17, 196-201.	1.1	31
199	Mechanisms of Spatial and Temporal Development of Autoimmune Vitiligo in Tyrosinase-Specific TCR Transgenic Mice. <i>Journal of Immunology</i> , 2010, 184, 1909-1917.	0.4	100
200	Protective effect of caffeine on streptozotocin-induced beta-cell damage in rats. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 60, 1161-1165.	1.2	27

#	ARTICLE	IF	CITATIONS
201	Diabetes mellitus: Hypoxia of the islets of Langerhans resulting from the systematic rest prone on the back after a meal?. <i>Medical Hypotheses</i> , 2010, 74, 1002-1005.	0.8	2
202	Sensitization to alloxan-induced diabetes and pancreatic cell apoptosis in acatalasemic mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 240-246.	1.8	43
203	Hypothalamic lipotoxicity and the metabolic syndrome. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 350-361.	1.2	60
204	TRAIL upregulates decoy receptor 1 and mediates resistance to apoptosis in insulin-secreting INS-1 cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 731-735.	1.0	15
205	Free fatty acids stimulate autophagy in pancreatic $\beta$ -cells via JNK pathway. <i>Biochemical and Biophysical Research Communications</i> , 2010, 401, 561-567.	1.0	100
206	Inhibition of Foxo1 mediates protective effects of ghrelin against lipotoxicity in MIN6 pancreatic $\beta$ -cells. <i>Peptides</i> , 2010, 31, 307-314.	1.2	21
207	Biosynthesis and bioavailability of long-chain polyunsaturated fatty acids in non-alcoholic fatty liver disease. <i>Progress in Lipid Research</i> , 2010, 49, 407-419.	5.3	42
208	Small-Molecule Suppressors of Cytokine-Induced $\beta$ -Cell Apoptosis. <i>ACS Chemical Biology</i> , 2010, 5, 729-734.	1.6	38
209	From Estrogen-Centric to Aging and Oxidative Stress: A Revised Perspective of the Pathogenesis of Osteoporosis. <i>Endocrine Reviews</i> , 2010, 31, 266-300.	8.9	934
210	Synthesis of a Novel Suppressor of $\beta$ -Cell Apoptosis via Diversity-Oriented Synthesis. <i>ACS Medicinal Chemistry Letters</i> , 2011, 2, 698-702.	1.3	42
211	TLR Regulation of SPSB1 Controls Inducible Nitric Oxide Synthase Induction. <i>Journal of Immunology</i> , 2011, 187, 3798-3805.	0.4	62
212	IL-27 Inhibits Hyperglycemia and Pancreatic Islet Inflammation Induced by Streptozotocin in Mice. <i>American Journal of Pathology</i> , 2011, 179, 2327-2336.	1.9	30
213	Differential effects of proinflammatory cytokines on cell death and ER stress in insulin-secreting INS1E cells and the involvement of nitric oxide. <i>Cytokine</i> , 2011, 55, 195-201.	1.4	40
214	MicroRNA-15a positively regulates insulin synthesis by inhibiting uncoupling protein-2 expression. <i>Diabetes Research and Clinical Practice</i> , 2011, 91, 94-100.	1.1	156
215	Effect of Sanguis draconis (a dragon's blood resin) on streptozotocin- and cytokine-induced $\beta$ -cell damage, in vitro and in vivo. <i>Diabetes Research and Clinical Practice</i> , 2011, 94, 417-425.	1.1	17
216	Maternal obesity in ewes results in reduced fetal pancreatic $\beta$ -cell numbers in late gestation and decreased circulating insulin concentration at term. <i>Domestic Animal Endocrinology</i> , 2011, 40, 30-39.	0.8	67
217	Rare sugar d-psicose improves insulin sensitivity and glucose tolerance in type 2 diabetes Otsuka Long-Evans Tokushima Fatty (OLETF) rats. <i>Biochemical and Biophysical Research Communications</i> , 2011, 405, 7-12.	1.0	108
218	Vitamin D and diabetes: Its importance for beta cell and immune function. <i>Molecular and Cellular Endocrinology</i> , 2011, 347, 106-120.	1.6	166

#	ARTICLE	IF	CITATIONS
219	Sauchinone protects pancreatic $\beta$ cells against cytokine-mediated toxicity. <i>Toxicology in Vitro</i> , 2011, 25, 505-512.	1.1	9
220	<i>Opuntia humifusa</i> stems lower blood glucose and cholesterol levels in streptozotocin-induced diabetic rats. <i>Nutrition Research</i> , 2011, 31, 479-487.	1.3	55
221	Glucolipotoxicity and beta cells in type 2 diabetes mellitus: Target for durable therapy?. <i>Diabetes Research and Clinical Practice</i> , 2011, 93, S37-S46.	1.1	63
222	Stem Cell-Based Therapies and Immunomodulatory Approaches in Newly Diagnosed Type 1 Diabetes. <i>Current Stem Cell Research and Therapy</i> , 2011, 6, 10-15.	0.6	13
223	Beta-Cell Function and Failure in Type 1 Diabetes. , 0, , .		6
224	A Prenylated Flavan from <i>Broussonetia kazinoki</i> Prevents Cytokine-Induced $\beta$ -Cell Death through Suppression of Nuclear Factor- $\kappa$ B Activity. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 1026-1031.	0.6	19
225	Inositol 1,4,5-Trisphosphate Receptor-Mediated Initial $Ca^{2+}$ Mobilization Constitutes a Triggering Signal for Hydrogen Peroxide-Induced Apoptosis in INS-1 $\beta$ -Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 954-958.	0.6	13
226	Tumor necrosis factor- $\alpha$ induces transcriptional activation of nuclear factor- $\kappa$ B in insulin-producing $\beta$ -cells. <i>Experimental and Therapeutic Medicine</i> , 2011, 2, 21-26.	0.8	2
227	The Effect of Aspirin on Atherogenic Diet-Induced Diabetes Mellitus. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2011, 108, 371-377.	1.2	19
228	Mcl-1 downregulation by pro-inflammatory cytokines and palmitate is an early event contributing to $\beta$ -cell apoptosis. <i>Cell Death and Differentiation</i> , 2011, 18, 328-337.	5.0	107
229	Lithospermic acid B protects beta-cells from cytokine-induced apoptosis by alleviating apoptotic pathways and activating anti-apoptotic pathways of Nrf2/HO-1 and Sirt1. <i>Toxicology and Applied Pharmacology</i> , 2011, 252, 47-54.	1.3	42
230	Bcl-2 proteins in diabetes: mitochondrial pathways of $\beta$ -cell death and dysfunction. <i>Trends in Cell Biology</i> , 2011, 21, 424-431.	3.6	175
231	Antibodies in metabolic diseases. <i>New Biotechnology</i> , 2011, 28, 530-537.	2.4	14
232	Prevention of multiple low-dose streptozotocin (MLD-STZ) diabetes in mice by an extract from gum resin of <i>Boswellia serrata</i> (BE). <i>Phytotherapy</i> , 2011, 18, 1037-1044.	2.3	65
233	Eicosanoids, $\beta$ -cell function, and diabetes. <i>Prostaglandins and Other Lipid Mediators</i> , 2011, 95, 1-10.	1.0	89
234	Possible signaling cascades involved in attenuation of alloxan-induced oxidative stress and hyperglycemia in mice by ethanolic extract of <i>Syzygium jambolanum</i> : Drug-DNA interaction with calf thymus DNA as target. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 44, 207-217.	1.9	48
235	NO donor induces Nec-1-inhibitable, but RIP1-independent, necrotic cell death in pancreatic $\beta$ -cells. <i>FEBS Letters</i> , 2011, 585, 3058-3064.	1.3	26
236	The central role of calcium in the effects of cytokines on beta-cell function: Implications for type 1 and type 2 diabetes. <i>Cell Calcium</i> , 2011, 50, 481-490.	1.1	77

#	ARTICLE	IF	CITATIONS
237	Thapsigargin downregulates protein levels of GRP78/BiP in INS-1E cells. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 1635-1644.	1.2	19
238	Suppressive effects of electrolyzed reduced water on alloxan-induced apoptosis and type 1 diabetes mellitus. <i>Cytotechnology</i> , 2011, 63, 119-131.	0.7	40
239	Vanadyl bisacetylacetonate protects $\beta$ cells from palmitate-induced cell death through the unfolded protein response pathway. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 789-798.	1.1	22
240	Bitter melon ( <i>Momordica charantia</i> ) extract suppresses cytokine-induced activation of MAPK and NF- $\kappa$ B in pancreatic $\beta$ -Cells. <i>Food Science and Biotechnology</i> , 2011, 20, 531-535.	1.2	22
241	CHOP deletion does not impact the development of diabetes but suppresses the early production of insulin autoantibody in the NOD mouse. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2011, 16, 438-448.	2.2	19
242	Cytokine toxicity in insulin-producing cells is mediated by nitro-oxidative stress-induced hydroxyl radical formation in mitochondria. <i>Journal of Molecular Medicine</i> , 2011, 89, 785-798.	1.7	58
243	AMP-activated protein kinase regulates glucagon secretion from mouse pancreatic alpha cells. <i>Diabetologia</i> , 2011, 54, 125-134.	2.9	54
244	Dissociation of lipotoxicity and glucotoxicity in a mouse model of obesity associated diabetes: role of forkhead box O1 (FOXO1) in glucose-induced beta cell failure. <i>Diabetologia</i> , 2011, 54, 605-616.	2.9	77
245	Pro- and anti-inflammatory cytokines in latent autoimmune diabetes in adults, type 1 and type 2 diabetes patients: Action LADA 4. <i>Diabetologia</i> , 2011, 54, 1630-1638.	2.9	89
246	An siRNA screen identifies transmembrane 7 superfamily member 3 (TM7SF3), a seven transmembrane orphan receptor, as an inhibitor of cytokine-induced death of pancreatic beta cells. <i>Diabetologia</i> , 2011, 54, 2845-2855.	2.9	15
247	Development of PACAP38 Analogue with Improved Stability: Physicochemical and In Vitro/In Vivo Pharmacological Characterization. <i>Journal of Molecular Neuroscience</i> , 2011, 43, 85-93.	1.1	9
248	Determinants of quality of life in adults with type 1 and type 2 diabetes. <i>Health and Quality of Life Outcomes</i> , 2011, 9, 115.	1.0	84
249	Inverse vaccination with islet autoantigens to halt progression of autoimmune diabetes. <i>Drug Development Research</i> , 2011, 72, 788-804.	1.4	4
250	Antioxidative effects of phenolic extracts from chestnut leaves, catkins and spiny burs in streptozotocin-treated rat pancreatic $\beta$ -cells. <i>Food Chemistry</i> , 2011, 125, 841-849.	4.2	46
252	Heterozygous Inactivation of the Na/Ca Exchanger Increases Glucose-Induced Insulin Release, $\beta$ -Cell Proliferation, and Mass. <i>Diabetes</i> , 2011, 60, 2076-2085.	0.3	26
253	High-Fat Diet-Induced Adipocyte Cell Death Occurs Through a Cyclophilin D Intrinsic Signaling Pathway Independent of Adipose Tissue Inflammation. <i>Diabetes</i> , 2011, 60, 2134-2143.	0.3	66
254	Calcineurin/Nuclear Factor of Activated T Cells and MAPK Signaling Induce TNF- $\alpha$ Gene Expression in Pancreatic Islet Endocrine Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 1025-1036.	1.6	51
255	Huntingtin-interacting protein 14 is a type 1 diabetes candidate protein regulating insulin secretion and $\beta$ -cell apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E681-8.	3.3	55

#	ARTICLE	IF	CITATIONS
256	A novel fluorescence imaging approach for comparative measurements of pancreatic islet function in vitro. <i>Islets</i> , 2011, 3, 14-20.	0.9	20
257	Neutralizing Interleukin-1 $\beta$ (IL-1 $\beta$ ) Induces $\beta$ -Cell Survival by Maintaining PDX1 Protein Nuclear Localization. <i>Journal of Biological Chemistry</i> , 2011, 286, 17144-17155.	1.6	27
258	STAT1 Is a Master Regulator of Pancreatic $\beta$ -Cell Apoptosis and Islet Inflammation. <i>Journal of Biological Chemistry</i> , 2011, 286, 929-941.	1.6	144
259	Inducible Nitric-oxide Synthase and Nitric Oxide Donor Decrease Insulin Receptor Substrate-2 Protein Expression by Promoting Proteasome-dependent Degradation in Pancreatic $\beta$ -Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 29388-29396.	1.6	24
260	Phagocyte-like NADPH oxidase promotes cytokine-induced mitochondrial dysfunction in pancreatic $\beta$ -cells: evidence for regulation by Rac1. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R12-R20.	0.9	58
261	Unraveling the molecular machinery that promotes pancreatic $\beta$ -cell dysfunction during oxidative stress: focus on Phagocyte-like NADPH oxidase promotes cytokine-induced mitochondrial dysfunction in pancreatic $\beta$ -cells: evidence for regulation by Rac1. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R9-R11.	0.9	6
262	Oxidative Stress and Redox Modulation Potential in Type 1 Diabetes. <i>Clinical and Developmental Immunology</i> , 2011, 2011, 1-15.	3.3	84
263	Microcystin-LR Induces Apoptosis via NF- $\kappa$ B /iNOS Pathway in INS-1 Cells. <i>International Journal of Molecular Sciences</i> , 2011, 12, 4722-4734.	1.8	38
264	Effects of Short and Prolonged Mild Intracellular Nitric Oxide Manipulations on Various Aspects of Insulin Secretion in INS-1E $\beta$ -Cells. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2012, 120, 210-216.	0.6	3
265	Nodal induces apoptosis through activation of the ALK7 signaling pathway in pancreatic INS-1 $\beta$ -cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E132-E143.	1.8	24
266	Alternatively Activated Macrophages in Types 1 and 2 Diabetes. <i>Mediators of Inflammation</i> , 2012, 2012, 1-10.	1.4	81
267	Endoplasmic Reticulum Stress in the $\beta$ -Cell Pathogenesis of Type 2 Diabetes. <i>Experimental Diabetes Research</i> , 2012, 2012, 1-11.	3.8	56
268	HDLs Protect Pancreatic $\beta$ -Cells Against ER Stress by Restoring Protein Folding and Trafficking. <i>Diabetes</i> , 2012, 61, 1100-1111.	0.3	63
269	Mild Endoplasmic Reticulum Stress Augments the Proinflammatory Effect of IL-1 $\beta$ in Pancreatic Rat $\beta$ -Cells via the IRE1 $\alpha$ /XBP1s Pathway. <i>Endocrinology</i> , 2012, 153, 3017-3028.	1.4	45
270	Islet amyloid polypeptide in pancreatic islets from type 2 diabetic subjects. <i>Islets</i> , 2012, 4, 223-232.	0.9	20
271	Characterization of Membrane-shed Microvesicles from Cytokine-stimulated $\beta$ -Cells Using Proteomics Strategies. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 230-243.	2.5	105
272	Regulation of pancreatic $\beta$ -cell survival by nitric oxide. <i>Islets</i> , 2012, 4, 108-118.	0.9	31
273	Does the small tyrosine kinase inhibitor imatinib mesylate counteract diabetes by affecting pancreatic islet amyloidosis and fibrosis?. <i>Expert Opinion on Investigational Drugs</i> , 2012, 21, 1743-1750.	1.9	8



#	ARTICLE	IF	CITATIONS
274	Role of Macrophage Chemoattractant Protein-1 in Acute Inflammation after Lung Contusion. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 46, 797-806.	1.4	38
275	The protective effect of a mix of <i>Lactarius deterrimus</i> and <i>Castanea sativa</i> extracts on streptozotocin-induced oxidative stress and pancreatic $\beta$ -cell death. <i>British Journal of Nutrition</i> , 2012, 108, 1163-1176.	1.2	25
276	Endoplasmic Reticulum Stress: Its Role in Disease and Novel Prospects for Therapy. <i>Scientifica</i> , 2012, 2012, 1-26.	0.6	276
277	Implication of Mitochondrial Cytoprotection in Human Islet Isolation and Transplantation. <i>Biochemistry Research International</i> , 2012, 2012, 1-16.	1.5	4
278	Guards and Culprits in the Endoplasmic Reticulum: Glucolipototoxicity and $\beta$ -Cell Failure in Type II Diabetes. <i>Experimental Diabetes Research</i> , 2012, 2012, 1-9.	3.8	35
279	Mitochondrial Dysfunction and Lipid Homeostasis. <i>Current Drug Metabolism</i> , 2012, 13, 1388-1400.	0.7	39
280	Management of Type-1 and Type-2 Diabetes by Insulin Injections in Diabetology Clinics - A Scientific Research Review. <i>Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery</i> , 2012, 6, 148-170.	0.7	17
281	Glycaemic Variability and Pancreatic $\beta$ -cell Dysfunction. <i>Current Diabetes Reviews</i> , 2012, 8, 345-354.	0.6	55
282	Immune Protection for Transplanted Pancreatic Islets by Nano-Encapsulation Strategies. , 2012, , 248-269.		0
283	Anti-apoptotic Function and Mechanism of Ginseng Saponins in Rattus Pancreatic $\beta$ -Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2012, 35, 1568-1573.	0.6	39
284	Activated Protein C Inhibits Pancreatic Islet Inflammation, Stimulates T Regulatory Cells, and Prevents Diabetes in Non-obese Diabetic (NOD) Mice. <i>Journal of Biological Chemistry</i> , 2012, 287, 16356-16364.	1.6	32
285	$\beta$ -Cell preservation and regeneration in diabetes by modulation of $\beta$ -cell $Ca^{2+}$ homeostasis. <i>Diabetes, Obesity and Metabolism</i> , 2012, 14, 136-142.	2.2	21
286	The diabetic $\beta$ -cell: hyperstimulated vs. hyperexcited. <i>Diabetes, Obesity and Metabolism</i> , 2012, 14, 129-135.	2.2	29
287	Anti-Inflammatory Therapy in Type 1 Diabetes. <i>Current Diabetes Reports</i> , 2012, 12, 499-509.	1.7	47
288	The molecular mechanisms of pancreatic $\beta$ -cell glucotoxicity: Recent findings and future research directions. <i>Molecular and Cellular Endocrinology</i> , 2012, 364, 1-27.	1.6	229
289	Autoimmune Disorders in Galectin-3 Deficient Mice. <i>ACS Symposium Series</i> , 2012, , 359-376.	0.5	1
290	Quantitative Determination of Apoptosis of Pancreatic $\beta$ -Cells in a Murine Model of Type 1 Diabetes Mellitus. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1585-1591.	2.8	6
291	Ciliary Neurotrophic Factor Protects Mice Against Streptozotocin-induced Type 1 Diabetes through SOCS3. <i>Journal of Biological Chemistry</i> , 2012, 287, 41628-41639.	1.6	20

#	ARTICLE	IF	CITATIONS
292	Polymorphism M55V in gene encoding small ubiquitin-like modifier 4 (SUMO4) protein associates with susceptibility to type 1 (and type 2) diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2012, 28, 679-687.	1.7	7
293	Effects of melatonin on islet neogenesis and beta cell apoptosis in streptozotocin-induced diabetic rats: an immunohistochemical study. <i>Domestic Animal Endocrinology</i> , 2012, 43, 47-57.	0.8	30
294	Ameliorative Effects of Syzygium jambolanum Extract and its Poly (lactic-co-glycolic) Acid Nano-encapsulated Form on Arsenic-induced Hyperglycemic Stress: A Multi-parametric Evaluation. <i>JAMS Journal of Acupuncture and Meridian Studies</i> , 2012, 5, 310-318.	0.3	31
295	Steam-Dried Ginseng Berry Fermented with <i>Lactobacillus plantarum</i> Controls the Increase of Blood Glucose and Body Weight in Type 2 Obese Diabetic <i>db/db</i> Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 5438-5445.	2.4	24
296	Suppression of FoxO1/cell death-inducing DNA fragmentation factor $\beta$ -like effector A (Cidea) axis protects mouse $\beta$ -cells against palmitic acid-induced apoptosis. <i>Molecular and Cellular Endocrinology</i> , 2012, 348, 297-304.	1.6	21
297	Effect of influenza A virus non-structural protein 1 (NS1) on a mouse model of diabetes mellitus induced by Streptozotocin. <i>Biochemical and Biophysical Research Communications</i> , 2012, 419, 120-125.	1.0	6
298	Inhibition of Histone Deacetylase 3 Protects Beta Cells from Cytokine-Induced Apoptosis. <i>Chemistry and Biology</i> , 2012, 19, 669-673.	6.2	85
299	Future detection and monitoring of diabetes may entail analysis of both $\beta$ -cell function and volume: How markers of $\beta$ -cell loss may assist. <i>Journal of Translational Medicine</i> , 2012, 10, 214.	1.8	16
300	Effects of the novel mitochondrial protein mimitin in insulin-secreting cells. <i>Biochemical Journal</i> , 2012, 445, 349-359.	1.7	11
302	Role of ERp46 in $\beta$ -cell lipoapoptosis through endoplasmic reticulum stress pathway as well as the protective effect of exendin-4. <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 324-329.	1.0	12
303	Gossypin, a flavonol glucoside protects pancreatic beta-cells from glucotoxicity in streptozotocin-induced experimental diabetes in rats. <i>Biomedicine and Preventive Nutrition</i> , 2012, 2, 239-245.	0.9	12
304	Mining Genes in Type 2 Diabetic Islets and Finding Gold. <i>Cell Metabolism</i> , 2012, 16, 555-557.	7.2	4
305	Is there a role for neuronal nitric oxide synthase (nNOS) in cytokine toxicity to pancreatic beta cells?. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 27, 235-241.	1.2	11
306	Enhanced oxidative stress and endocrine pancreas alterations are linked to a novel glucokinase missense mutation in ENU-derived Munich GckD217V mutants. <i>Molecular and Cellular Endocrinology</i> , 2012, 362, 139-148.	1.6	5
307	Cross-talk between the unfolded protein response and nuclear factor- $\kappa$ B signalling pathways regulates cytokine-mediated beta cell death in MIN6 cells and isolated mouse islets. <i>Diabetologia</i> , 2012, 55, 2999-3009.	2.9	23
308	Risks, Benefits, and Therapeutic Potential of Hematopoietic Stem Cell Transplantation for Autoimmune Diabetes. <i>Current Diabetes Reports</i> , 2012, 12, 604-611.	1.7	19
309	Taurine supplementation prevents morpho-physiological alterations in high-fat diet mice pancreatic $\beta$ -cells. <i>Amino Acids</i> , 2012, 43, 1791-1801.	1.2	64
310	Identification of direct forkhead box O1 targets involved in palmitate-induced apoptosis in clonal insulin-secreting cells using chromatin immunoprecipitation coupled to DNA selection and ligation. <i>Diabetologia</i> , 2012, 55, 2703-2712.	2.9	22

#	ARTICLE	IF	CITATIONS
311	Diet-Induced Diabetes in the Sand Rat ( <i>Psammomys obesus</i> ). <i>Methods in Molecular Biology</i> , 2012, 933, 89-102.	0.4	32
312	DNA methylation profiling identifies epigenetic dysregulation in pancreatic islets from type 2 diabetic patients. <i>EMBO Journal</i> , 2012, 31, 1405-1426.	3.5	355
313	Dynamics of glucose and insulin concentration connected to the cell cycle: model development and analysis. <i>Theoretical Biology and Medical Modelling</i> , 2012, 9, 46.	2.1	16
314	Proinsulin Atypical Maturation and Disposal Induces Extensive Defects in Mouse <i>Ins2+/<i>Akita</i></i> $\beta$ -Cells. <i>PLoS ONE</i> , 2012, 7, e35098.	1.1	16
315	Development of a Quantitative Methylation-Specific Polymerase Chain Reaction Method for Monitoring Beta Cell Death in Type 1 Diabetes. <i>PLoS ONE</i> , 2012, 7, e47942.	1.1	51
316	MSC transplantation: a promising therapeutic strategy to manage the onset and progression of diabetic nephropathy. <i>Biological Research</i> , 2012, 45, 289-296.	1.5	37
317	Peroxiredoxin 4 : Critical Roles in Inflammatory Diseases. <i>Journal of UOEH</i> , 2012, 34, 27-39.	0.3	27
318	The Relationship Between Chronic Alcohol Use and Type 2 Diabetes Mellitus: New Insights into Mechanisms of Appetite-Regulating Peptides. , 0, , .		0
319	Mitochondrial Hormesis in Pancreatic $\beta$ Cells: Does Uncoupling Protein 2 Play a Role?. <i>Oxidative Medicine and Cellular Longevity</i> , 2012, 2012, 1-9.	1.9	16
320	Endoplasmic Reticulum Stress and Type 2 Diabetes. <i>Annual Review of Biochemistry</i> , 2012, 81, 767-793.	5.0	476
321	Maintenance of redox state and pancreatic $\beta$ -cell function: Role of leptin and adiponectin. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 1966-1976.	1.2	40
322	Resistance to type 2 diabetes mellitus: a matter of hormesis?. <i>Nature Reviews Endocrinology</i> , 2012, 8, 183-192.	4.3	68
323	Synergistic Reversal of Type 1 Diabetes in NOD Mice With Anti-CD3 and Interleukin-1 Blockade. <i>Diabetes</i> , 2012, 61, 145-154.	0.3	98
324	Role of Endoplasmic Reticulum Stress in Metabolic Disease and Other Disorders. <i>Annual Review of Medicine</i> , 2012, 63, 317-328.	5.0	374
325	Involvement of the RNA-binding protein ARE/poly(U)-binding factor 1 (AUF1) in the cytotoxic effects of proinflammatory cytokines on pancreatic $\beta$ cells. <i>Diabetologia</i> , 2012, 55, 1699-1708.	2.9	17
326	Suppressive effects of natural reduced waters on alloxan-induced apoptosis and type 1 diabetes mellitus. <i>Cytotechnology</i> , 2012, 64, 281-297.	0.7	11
327	Duodenal Jejunum Bypass Surgery Enhances Glucose Tolerance and Beta-Cell Function in Western Diet Obese Rats. <i>Obesity Surgery</i> , 2012, 22, 819-826.	1.1	11
328	The roles of Galectin-3 in autoimmunity and tumor progression. <i>Immunologic Research</i> , 2012, 52, 100-110.	1.3	111

#	ARTICLE	IF	CITATIONS
329	Dynamic monitoring of $\beta$ -cell injury with impedance and rescue by glucagon-like peptide-1. <i>Analytical Biochemistry</i> , 2012, 423, 61-69.	1.1	9
330	Immunology in the Clinic Review Series; focus on metabolic diseases: development of islet autoimmune disease in type 2 diabetes patients: potential sequelae of chronic inflammation. <i>Clinical and Experimental Immunology</i> , 2011, 167, 40-46.	1.1	73
331	Differential usage of NF- $\kappa$ B activating signals by IL-1 $\beta$ and TNF- $\alpha$ in pancreatic beta cells. <i>FEBS Letters</i> , 2012, 586, 984-989.	1.3	58
332	Monascin from red mold dioscorea as a novel antidiabetic and antioxidative stress agent in rats and <i>Caenorhabditis elegans</i> . <i>Free Radical Biology and Medicine</i> , 2012, 52, 109-117.	1.3	52
333	Interferon modulates central nervous system function. <i>Brain Research</i> , 2012, 1442, 76-89.	1.1	41
334	Macrophage migration inhibitory factor deficiency protects pancreatic islets from cytokine-induced apoptosis <i>in vitro</i> . <i>Clinical and Experimental Immunology</i> , 2012, 169, 156-163.	1.1	32
335	The chronic spleen injury of mice following long-term exposure to titanium dioxide nanoparticles. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 894-902.	2.1	73
336	Inhibition of GPR40 protects MIN6 $\beta$ cells from palmitate-induced ER stress and apoptosis. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 1152-1158.	1.2	48
337	The critical role of JNK in the ER-mitochondrial crosstalk during apoptotic cell death. <i>Journal of Cellular Physiology</i> , 2012, 227, 1791-1795.	2.0	85
338	Increased hexosamine biosynthetic pathway flux differentiates INS-1E cells and murine islets by an extracellular signal-regulated kinase (ERK)1/2-mediated signal transmission pathway. <i>Diabetologia</i> , 2012, 55, 141-153.	2.9	47
339	Enhanced syndecan-1 expression on neutrophils in patients with type 2 diabetes mellitus. <i>Acta Diabetologica</i> , 2012, 49, 41-46.	1.2	16
340	Impaired muscarinic type 3 (M3) receptor/PKC and PKA pathways in islets from MSG-obese rats. <i>Molecular Biology Reports</i> , 2013, 40, 4521-4528.	1.0	19
341	Type 2 diabetes mellitus "an autoimmune disease?". <i>Nature Reviews Endocrinology</i> , 2013, 9, 750-755.	4.3	93
342	Caspase-3 is Involved in IFN- $\gamma$ - and TNF- $\alpha$ -Mediated MIN6 Cells Apoptosis via NF- $\kappa$ B/Bcl-2 Pathway. <i>Cell Biochemistry and Biophysics</i> , 2013, 67, 1239-1248.	0.9	24
343	14-3-3 proteins are essential signalling hubs for beta cell survival. <i>Diabetologia</i> , 2013, 56, 825-837.	2.9	56
344	The human L-type calcium channel Cav1.3 regulates insulin release and polymorphisms in CACNA1D associate with type 2 diabetes. <i>Diabetologia</i> , 2013, 56, 340-349.	2.9	70
345	MicroRNA-24/MODY Gene Regulatory Pathway Mediates Pancreatic $\beta$ -Cell Dysfunction. <i>Diabetes</i> , 2013, 62, 3194-3206.	0.3	78
346	Genetically Engineered Human Islets Protected From CD8-mediated Autoimmune Destruction In Vivo. <i>Molecular Therapy</i> , 2013, 21, 1592-1601.	3.7	23

#	ARTICLE	IF	CITATIONS
347	Thiazolidinediones protect mouse pancreatic $\beta$ -cells directly from cytokine-induced cytotoxicity through PPAR $\gamma$ -dependent mechanisms. <i>Acta Diabetologica</i> , 2013, 50, 163-173.	1.2	13
348	Protective effect of nicotinamide on high glucose/palmitate-induced glucolipototoxicity to INS-1 beta cells is attributed to its inhibitory activity to sirtuins. <i>Archives of Biochemistry and Biophysics</i> , 2013, 535, 187-196.	1.4	20
349	Luminal Ca <sup>2+</sup> depletion during the unfolded protein response in <i>Xenopus</i> oocytes: Cause and consequence. <i>Cell Calcium</i> , 2013, 53, 286-296.	1.1	20
350	Molecular Mechanisms That Differentiate Apoptosis from Programmed Necrosis. <i>Toxicologic Pathology</i> , 2013, 41, 227-234.	0.9	42
351	Kolaviron, a Garcinia biflavonoid complex ameliorates hyperglycemia-mediated hepatic injury in rats via suppression of inflammatory responses. <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 363.	3.7	49
352	The Protective Effects of CD39 Overexpression in Multiple Low-Dose Streptozotocin-Induced Diabetes in Mice. <i>Diabetes</i> , 2013, 62, 2026-2035.	0.3	32
353	Targeting endoplasmic reticulum stress in metabolic disease. <i>Expert Opinion on Therapeutic Targets</i> , 2013, 17, 437-448.	1.5	130
354	Na <sup>+</sup> /Ca <sup>2+</sup> Exchange and the Plasma Membrane Ca <sup>2+</sup> -ATPase in $\beta$ -Cell Function and Diabetes. <i>Advances in Experimental Medicine and Biology</i> , 2013, 961, 385-394.	0.8	16
355	Endoplasmic Reticulum and the Unfolded Protein Response. <i>International Review of Cell and Molecular Biology</i> , 2013, 301, 215-290.	1.6	440
356	The role of reactive oxygen species and proinflammatory cytokines in type 1 diabetes pathogenesis. <i>Annals of the New York Academy of Sciences</i> , 2013, 1281, 16-35.	1.8	231
357	FAM3B PANDER and FAM3C ILEI Represent a Distinct Class of Signaling Molecules with a Non-Cytokine-like Fold. <i>Structure</i> , 2013, 21, 306-313.	1.6	21
358	The Function of Heparanase in Diabetes and its Complications. <i>Canadian Journal of Diabetes</i> , 2013, 37, 332-338.	0.4	17
359	Beneficial effects of aminoguanidine against streptozotocin-induced pathological changes in diabetic mice kidney. <i>Biomedicine and Preventive Nutrition</i> , 2013, 3, 221-226.	0.9	1
360	Effect of reactive oxygen species overproduction on osteogenesis of porous titanium implant in the present of diabetes mellitus. <i>Biomaterials</i> , 2013, 34, 2234-2243.	5.7	91
361	Glucotoxic conditions induce endoplasmic reticulum stress to cause caspase 3 mediated lamin B degradation in pancreatic $\beta$ -cells: Protection by nifedipine. <i>Biochemical Pharmacology</i> , 2013, 86, 1338-1346.	2.0	36
362	Circulating miR-375 as a Biomarker of $\beta$ -Cell Death and Diabetes in Mice. <i>Endocrinology</i> , 2013, 154, 603-608.	1.4	167
364	Otubain 2 is a novel promoter of beta cell survival as revealed by siRNA high-throughput screens of human pancreatic islets. <i>Diabetologia</i> , 2013, 56, 1317-1326.	2.9	23
365	Oral administration of <i>Lactobacillus reuteri</i> GMNL-263 improves insulin resistance and ameliorates hepatic steatosis in high fructose-fed rats. <i>Nutrition and Metabolism</i> , 2013, 10, 35.	1.3	193

#	ARTICLE	IF	CITATIONS
366	Overexpression of the antioxidant enzyme catalase does not interfere with the glucose responsiveness of insulin-secreting INS-1E cells and rat islets. <i>Diabetologia</i> , 2013, 56, 774-782.	2.9	36
367	Quercetin and quercitrin protect against cytokine-induced injuries in RINm5F $\beta$ -cells via the mitochondrial pathway and NF- $\kappa$ B signaling. <i>International Journal of Molecular Medicine</i> , 2013, 31, 265-271.	1.8	69
368	Targeting IL-1 in Sjögren's syndrome. <i>Expert Opinion on Therapeutic Targets</i> , 2013, 17, 393-401.	1.5	26
369	A traditional Chinese medicine JiuHuangLian ( <i>Rhizoma coptidis</i> steamed with rice wine) reduces oxidative stress injury in type 2 diabetic rats. <i>Food and Chemical Toxicology</i> , 2013, 59, 222-229.	1.8	23
370	Islet inflammation: a unifying target for diabetes treatment?. <i>Trends in Endocrinology and Metabolism</i> , 2013, 24, 351-360.	3.1	104
371	Bis(acetylacetonato)-oxovanadium(IV), bis(maltolato)-oxovanadium(IV) and sodium metavanadate induce antilipolytic effects by regulating hormone-sensitive lipase and perilipin via activation of Akt. <i>Metallomics</i> , 2013, 5, 813.	1.0	33
372	miR-296-3p, miR-298-5p and their downstream networks are causally involved in the higher resistance of mammalian pancreatic $\beta$ cells to cytokine-induced apoptosis as compared to $\beta$ cells. <i>BMC Genomics</i> , 2013, 14, 62.	1.2	48
373	Hemin therapy suppresses inflammation and retroperitoneal adipocyte hypertrophy to improve glucose metabolism in obese rats co-morbid with insulin-resistant type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2013, 15, 1029-1039.	2.2	21
375	Glucagon-Like Peptide-1 Protects Human Islets against Cytokine-Mediated $\beta$ -Cell Dysfunction and Death: A Proteomic Study of the Pathways Involved. <i>Journal of Proteome Research</i> , 2013, 12, 4193-4206.	1.8	27
376	Beneficial effects of inhibition of soluble epoxide hydrolase on glucose homeostasis and islet damage in a streptozotocin-induced diabetic mouse model. <i>Prostaglandins and Other Lipid Mediators</i> , 2013, 104-105, 42-48.	1.0	31
377	Dysfunctional mitochondrial bioenergetics and oxidative stress in Akita <sup>+/Ins2</sup> -derived $\beta$ -cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E585-E599.	1.8	39
378	Development of aldose reductase inhibitors for the treatment of inflammatory disorders. <i>Expert Opinion on Drug Discovery</i> , 2013, 8, 1365-1380.	2.5	38
379	The efficacy of SPA0355 in protecting $\beta$ cells in isolated pancreatic islets and in a murine experimental model of type 1 diabetes. <i>Experimental and Molecular Medicine</i> , 2013, 45, e51-e51.	3.2	11
380	Circulating Levels of IL-1 $\beta$ +IL-6 Cause ER Stress and Dysfunction in Islets From Prediabetic Male Mice. <i>Endocrinology</i> , 2013, 154, 3077-3088.	1.4	115
381	Diabetes and beta cell function: from mechanisms to evaluation and clinical implications. <i>Biochimica Medica</i> , 2013, 23, 266-280.	1.2	155
382	Transplantation of Stem Cells Obtained from Murine Dental Pulp Improves Pancreatic Damage, Renal Function, and Painful Diabetic Neuropathy in Diabetic Type 1 Mouse Model. <i>Cell Transplantation</i> , 2013, 22, 2345-2354.	1.2	43
383	Beta Cell Dysfunction and Insulin Resistance. <i>Frontiers in Endocrinology</i> , 2013, 4, 37.	1.5	592
384	Obesity, Insulin Resistance, and Metabolic Syndrome: A Study in WNIN/Ob Rats from a Pancreatic Perspective. <i>BioMed Research International</i> , 2013, 2013, 1-19.	0.9	14

#	ARTICLE	IF	CITATIONS
385	Impairment of Immune Systems in Diabetes. <i>Advances in Experimental Medicine and Biology</i> , 2013, 771, 62-75.	0.8	19
386	Effect of Gelam Honey on the Oxidative Stress-Induced Signaling Pathways in Pancreatic Hamster Cells. <i>International Journal of Endocrinology</i> , 2013, 2013, 1-10.	0.6	27
387	Cardiovascular risk in type 1 diabetes mellitus. <i>Indian Journal of Endocrinology and Metabolism</i> , 2013, 17, 7.	0.2	10
388	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. <i>PLoS Genetics</i> , 2013, 9, e1003532.	1.5	151
389	LIM-homeodomain Transcription Factor Isl-1 Mediates the Effect of Leptin on Insulin Secretion in Mice. <i>Journal of Biological Chemistry</i> , 2013, 288, 12395-12405.	1.6	15
390	Multi-parameter, single-cell, kinetic analysis reveals multiple modes of cell death in primary pancreatic beta-cells. <i>Journal of Cell Science</i> , 2013, 126, 4286-95.	1.2	29
391	Monocytes and macrophages as nanomedicinal targets for improved diagnosis and treatment of disease. <i>Expert Review of Molecular Diagnostics</i> , 2013, 13, 567-580.	1.5	86
392	Endothelial Acyl-CoA Synthetase 1 Is Not Required for Inflammatory and Apoptotic Effects of a Saturated Fatty Acid-Rich Environment. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 232-240.	1.1	31
393	<i>Nigella Sativa</i> and Thymoquinone Suppress Cyclooxygenase-2 and Oxidative Stress in Pancreatic Tissue of Streptozotocin-Induced Diabetic Rats. <i>Pancreas</i> , 2013, 42, 841-849.	0.5	56
394	Incretin hormones and beta-cell mass expansion: what we know and what is missing?. <i>Archives of Physiology and Biochemistry</i> , 2013, 119, 161-169.	1.0	11
395	Role of pancreatic $\beta$ -cell death and inflammation in diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2013, 15, 141-151.	2.2	73
396	Differential methylation in glucoregulatory genes of offspring born before vs. after maternal gastrointestinal bypass surgery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11439-11444.	3.3	197
397	Dual Role of Nitric Oxide in Pancreatic $\beta$ -Cells. <i>Journal of Pharmacological Sciences</i> , 2013, 123, 295-300.	1.1	36
398	ER Stress and $\beta$ -Cell Pathogenesis of Type 1 and Type 2 Diabetes and Islet Transplantation. <i>Cell Medicine</i> , 2013, 5, 53-57.	5.0	16
399	Regulation of Insulin Synthesis and Secretion and Pancreatic Beta-Cell Dysfunction in Diabetes. <i>Current Diabetes Reviews</i> , 2013, 9, 25-53.	0.6	560
400	A Systematic Review of Oxidative Stress and Safety of Antioxidants in Diabetes: Focus on Islets and Their Defense. <i>Diabetes and Metabolism Journal</i> , 2013, 37, 106.	1.8	163
401	The Impact of Inflammation on Pancreatic $\beta$ -Cell Metabolism, Function and Failure in T1DM and T2DM: Commonalities and Differences. , 2013, , .		1
402	Association of Diabetes in Pregnancy with Child Weight at Birth, Age 12 Months and 5 Years â€” A Population-Based Electronic Cohort Study. <i>PLoS ONE</i> , 2013, 8, e79803.	1.1	15

#	ARTICLE	IF	CITATIONS
403	Decreased CD127 Expression on CD4+ T-Cells and Elevated Frequencies of CD4+CD25+CD127 <sup>hi</sup> T-Cells in Children with Long-Lasting Type 1 Diabetes. <i>Clinical and Developmental Immunology</i> , 2013, 2013, 1-11.	3.3	9
404	Proinsulinoma causing severe hypoglycemia in a patient with type 1 diabetes mellitus. <i>Case Reports in Clinical Pathology</i> , 2014, 1, .	0.0	4
405	Fibroblasts From Type 1 Diabetics Exhibit Enhanced Ca <sup>2+</sup> Mobilization after TNF or Fat Exposure. <i>PLoS ONE</i> , 2014, 9, e87068.	1.1	4
406	TRB3 Is Involved in Free Fatty Acid-Induced INS-1-Derived Cell Apoptosis via the Protein Kinase C $\delta$ Pathway. <i>PLoS ONE</i> , 2014, 9, e96089.	1.1	11
407	Epigenetic modulation of type-1 diabetes via a dual effect on pancreatic macrophages and $\beta$ cells. <i>ELife</i> , 2014, 3, e04631.	2.8	69
408	Vaccines for metabolic diseases: current perspectives. <i>Vaccine (Auckland, N Z)</i> , 0, , 55.	1.7	0
409	Anxiety disorders are associated with quality of life impairment in patients with insulin-dependent type 2 diabetes: a case-control study. <i>Revista Brasileira De Psiquiatria</i> , 2014, 36, 298-304.	0.9	32
410	Design, implementation, and evaluation of a pediatric and adolescent type 2 diabetes management program at a tertiary pediatric center. <i>Journal of Multidisciplinary Healthcare</i> , 2014, 7, 321.	1.1	7
411	Reg3 $\gamma$ Overexpression Protects Pancreatic $\beta$ Cells from Cytokine-Induced Damage and Improves Islet Transplant Outcome. <i>Molecular Medicine</i> , 2014, 20, 548-558.	1.9	8
412	The comparative study of Catharanthus roseus extract and extract loaded chitosan nanoparticles in alloxan induced diabetic rats. <i>International Journal of Biomedical Research</i> , 2014, 4, 670.	0.1	4
413	Nutrient regulation of insulin secretion and action. <i>Journal of Endocrinology</i> , 2014, 221, R105-R120.	1.2	170
414	A Combined $\text{O}^2\text{C}$ Approach Identifies N-Myc Interactor as a Novel Cytokine-induced Regulator of IRE1 $\alpha$ Protein and c-Jun N-terminal Kinase in Pancreatic Beta Cells. <i>Journal of Biological Chemistry</i> , 2014, 289, 20677-20693.	1.6	34
415	Long-Term IKK2/NF- $\kappa$ B Signaling in Pancreatic $\beta$ -Cells Induces Immune-Mediated Diabetes. <i>Diabetes</i> , 2014, 63, 960-975.	0.3	34
416	Influence of cytokines on Dmt1 iron transporter and ferritin expression in insulin-secreting cells. <i>Journal of Molecular Endocrinology</i> , 2014, 52, 301-310.	1.1	12
417	Genome-Wide Associations between Genetic and Epigenetic Variation Influence mRNA Expression and Insulin Secretion in Human Pancreatic Islets. <i>PLoS Genetics</i> , 2014, 10, e1004735.	1.5	151
418	Rotavirus Activates Lymphocytes from Non-Obese Diabetic Mice by Triggering Toll-Like Receptor 7 Signaling and Interferon Production in Plasmacytoid Dendritic Cells. <i>PLoS Pathogens</i> , 2014, 10, e1003998.	2.1	48
419	Computer-Aided Targeting of the PI3K/Akt/mTOR Pathway: Toxicity Reduction and Therapeutic Opportunities. <i>International Journal of Molecular Sciences</i> , 2014, 15, 18856-18891.	1.8	63
420	Multiparameter Screening Reveals a Role for Na <sup>+</sup> Channels in Cytokine-Induced $\beta$ -Cell Death. <i>Molecular Endocrinology</i> , 2014, 28, 406-417.	3.7	23



#	ARTICLE	IF	CITATIONS
421	LIM-Homeodomain Transcription Factor Isl-1 Mediates Kisspeptin's Effect on Insulin Secretion in Mice. <i>Molecular Endocrinology</i> , 2014, 28, 1276-1290.	3.7	15
422	Activated Protein C and Its Potential Applications in Prevention of Islet $\beta$ -Cell Damage and Diabetes. <i>Vitamins and Hormones</i> , 2014, 95, 323-363.	0.7	10
423	Epigallocatechin gallate prevents inflammation by reducing macrophage infiltration and inhibiting tumor necrosis factor- $\alpha$ signaling in the pancreas of rats on a high-fat diet. <i>Nutrition Research</i> , 2014, 34, 1066-1074.	1.3	28
424	Rb and p107 are required for alpha cell survival, beta cell cycle control and glucagon-like peptide-1 action. <i>Diabetologia</i> , 2014, 57, 2555-2565.	2.9	10
425	Puerarin protects pancreatic $\beta$ -cell survival via PI3K/Akt signaling pathway. <i>Journal of Molecular Endocrinology</i> , 2014, 53, 71-79.	1.1	60
426	High dose of aspirin moderates diabetes-induced changes of heart glycogen/glucose metabolism in rats. <i>Journal of Physiological Sciences</i> , 2014, 64, 411-420.	0.9	10
427	A genetic mouse model for progressive ablation and regeneration of insulin producing beta-cells. <i>Cell Cycle</i> , 2014, 13, 3948-3957.	1.3	9
428	A review on the molecular mechanisms involved in insulin resistance induced by organophosphorus pesticides. <i>Toxicology</i> , 2014, 322, 1-13.	2.0	77
429	Protective effects of polysaccharides from <i>Lilium lancifolium</i> on streptozotocin-induced diabetic mice. <i>International Journal of Biological Macromolecules</i> , 2014, 65, 436-440.	3.6	44
430	A critical role for CK2 in cytokine-induced activation of NF $\kappa$ B in pancreatic $\beta$ cell death. <i>Endocrine</i> , 2014, 47, 117-128.	1.1	11
431	Targeting the pancreatic $\beta$ -cell to treat diabetes. <i>Nature Reviews Drug Discovery</i> , 2014, 13, 278-289.	21.5	228
432	Transplantation of Human Menstrual Blood Progenitor Cells Improves Hyperglycemia by Promoting Endogenous Progenitor Differentiation in Type 1 Diabetic Mice. <i>Stem Cells and Development</i> , 2014, 23, 1245-1257.	1.1	83
433	Non-invasive quantification of the beta cell mass by SPECT with <sup>111</sup> In-labelled exendin. <i>Diabetologia</i> , 2014, 57, 950-959.	2.9	129
434	The role of miR-146a in dorsal root ganglia neurons of experimental diabetic peripheral neuropathy. <i>Neuroscience</i> , 2014, 259, 155-163.	1.1	79
435	Treatment with glucokinase activator, YH-GKA, increases cell proliferation and decreases glucotoxic apoptosis in INS-1 cells. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 51, 137-145.	1.9	19
436	Diabetes as a risk factor to cancer: Functional role of fermented papaya preparation as phytonutraceutical adjunct in the treatment of diabetes and cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014, 768, 60-68.	0.4	31
437	Pancreatic $\beta$ Cell Dedifferentiation in Diabetes and Redifferentiation following Insulin Therapy. <i>Cell Metabolism</i> , 2014, 19, 872-882.	7.2	334
438	Inhibition of HDAC3 as a strategy for developing novel diabetes therapeutics. <i>Epigenomics</i> , 2014, 6, 209-214.	1.0	32

#	ARTICLE	IF	CITATIONS
439	The nucleotide exchange factor SIL1 is required for glucose-stimulated insulin secretion from mouse pancreatic beta cells in vivo. <i>Diabetologia</i> , 2014, 57, 1410-1419.	2.9	22
440	TRIB3 alters endoplasmic reticulum stress-induced $\beta$ -cell apoptosis via the NF- $\kappa$ B pathway. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 822-830.	1.5	44
441	Protective effect of gallic acid on alloxan-induced oxidative stress and osmotic fragility in rats. <i>Human and Experimental Toxicology</i> , 2014, 33, 638-649.	1.1	31
442	The role of TRPM2 in pancreatic $\beta$ -cells and the development of diabetes. <i>Cell Calcium</i> , 2014, 56, 332-339.	1.1	40
443	Loss of TRB3 Alters Dynamics of MLK3-JNK Signaling and Inhibits Cytokine-activated Pancreatic Beta Cell Death. <i>Journal of Biological Chemistry</i> , 2014, 289, 29994-30004.	1.6	13
444	$\beta$ -Cell Responses to Nitric Oxide. <i>Vitamins and Hormones</i> , 2014, 95, 299-322.	0.7	34
445	Free fatty acid receptor 2, a candidate target for type 1 diabetes, induces cell apoptosis through ERK signaling. <i>Journal of Molecular Endocrinology</i> , 2014, 53, 367-380.	1.1	37
446	IL-1 $\beta$ hampers glucose-stimulated insulin secretion in Cohen diabetic rat islets through mitochondrial cytochrome c oxidase inhibition by nitric oxide. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E648-E657.	1.8	12
447	Role of immune system in type 1 diabetes mellitus pathogenesis. <i>International Immunopharmacology</i> , 2014, 22, 182-191.	1.7	59
448	Bioreactors Addressing Diabetes Mellitus. <i>Journal of Diabetes Science and Technology</i> , 2014, 8, 1227-1232.	1.3	8
449	Activation of GPR40 attenuates chronic inflammation induced impact on pancreatic $\beta$ -cells health and function. <i>BMC Cell Biology</i> , 2014, 15, 24.	3.0	29
450	Protective effect of magnesium on renal function in STZ-induced diabetic rats. <i>Journal of Diabetes and Metabolic Disorders</i> , 2014, 13, 84.	0.8	40
451	Apoptosis of Beta Cells in Diabetes Mellitus. <i>DNA and Cell Biology</i> , 2014, 33, 743-748.	0.9	56
452	Dichotomous role of pancreatic HUWE1/MULE/ARF-BP1 in modulating beta cell apoptosis in mice under physiological and genotoxic conditions. <i>Diabetologia</i> , 2014, 57, 1889-1898.	2.9	16
453	Mig6 haploinsufficiency protects mice against streptozotocin-induced diabetes. <i>Diabetologia</i> , 2014, 57, 2066-2075.	2.9	16
454	In vivo activation of the PI3K/Akt pathway in mouse beta cells by the EGFR mutation L858R protects against diabetes. <i>Diabetologia</i> , 2014, 57, 970-979.	2.9	26
455	3-Dimensional histological reconstruction and imaging of the murine pancreas. <i>Mammalian Genome</i> , 2014, 25, 539-548.	1.0	5
456	Taurine supplementation increases KATP channel protein content, improving Ca <sup>2+</sup> handling and insulin secretion in islets from malnourished mice fed on a high-fat diet. <i>Amino Acids</i> , 2014, 46, 2123-2136.	1.2	32

#	ARTICLE	IF	CITATIONS
457	Metabolic Regulation of Insulin Secretion. <i>Vitamins and Hormones</i> , 2014, 95, 1-33.	0.7	33
458	Analysis of $\beta$ -Cell Death in Type 1 Diabetes by Droplet Digital PCR. <i>Endocrinology</i> , 2014, 155, 3694-3698.	1.4	35
459	Optimizing nanomedicine pharmacokinetics using physiologically based pharmacokinetics modelling. <i>British Journal of Pharmacology</i> , 2014, 171, 3963-3979.	2.7	91
460	Rotavirus acceleration of murine type 1 diabetes is associated with increased MHC class I-restricted antigen presentation by B cells and elevated proinflammatory cytokine expression by T cells. <i>Virus Research</i> , 2014, 179, 73-84.	1.1	14
461	Biased and unbiased strategies to identify biologically active small molecules. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 4474-4489.	1.4	13
462	CD8 T-cell reactivity to islet antigens is unique to type 1 while CD4 T-cell reactivity exists in both type 1 and type 2 diabetes. <i>Journal of Autoimmunity</i> , 2014, 50, 77-82.	3.0	69
463	The hypothalamic neural-glial network and the metabolic syndrome. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2014, 28, 661-671.	2.2	15
464	High-density lipoprotein, beta cells, and diabetes. <i>Cardiovascular Research</i> , 2014, 103, 384-394.	1.8	93
465	Original hypothesis: Extracorporeal shockwaves as a homeostatic autoimmune restorative treatment (HART) for Type 1 diabetes mellitus. <i>Medical Hypotheses</i> , 2014, 83, 250-253.	0.8	1
466	Mechanisms of toxicity by proinflammatory cytokines in a novel human pancreatic beta cell line, 1.1B4. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 136-145.	1.1	37
467	Effects of Metalloporphyrins on Reducing Inflammation and Autoimmunity. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 2465-2477.	2.5	34
468	Modulation of sphingosine-1-phosphate and apolipoprotein M levels in the plasma, liver and kidneys in streptozotocin-induced diabetic mice. <i>Journal of Diabetes Investigation</i> , 2014, 5, 639-648.	1.1	33
469	Role of Bioactive Food Components in Diabetes Prevention: Effects on Beta-Cell Function and Preservation. <i>Nutrition and Metabolic Insights</i> , 2014, 7, NMI.S13589.	0.8	49
470	Brain Death-Induced Inflammatory Activity in Human Pancreatic Tissue. <i>Transplantation</i> , 2014, 97, 212-219.	0.5	28
471	Obligatory Role of Early $Ca^{2+}$ Responses in $H_2O_2$ -Induced $\beta$ -Cell Apoptosis. <i>Biological and Pharmaceutical Bulletin</i> , 2015, 38, 1599-1605.	0.6	7
472	Interleukin-10 gene transfer into insulin-producing $\beta$ cells protects against diabetes in non-obese diabetic mice. <i>Molecular Medicine Reports</i> , 2015, 12, 3881-3889.	1.1	17
473	The effects of aqueous extract of alfalfa on blood glucose and lipids in alloxan-induced diabetic rats. <i>Interventional Medicine &amp; Applied Science</i> , 2015, 7, 124-128.	0.2	13
474	Heterozygous inactivation of plasma membrane $Ca^{2+}$ -ATPase in mice increases glucose-induced insulin release and beta cell proliferation, mass and viability. <i>Diabetologia</i> , 2015, 58, 2843-2850.	2.9	15

#	ARTICLE	IF	CITATIONS
475	Effects of <i>Lonicera japonica</i> Thunb. on Type 2 Diabetes via PPAR- $\gamma$ Activation in Rats. <i>Phytotherapy Research</i> , 2015, 29, 1616-1621.	2.8	28
476	Donor Pretreatment with IL-1 Receptor Antagonist Attenuates Inflammation and Improves Functional Potency in Islets from Brain-Dead Nonhuman Primates. <i>Cell Transplantation</i> , 2015, 24, 1863-1877.	1.2	9
477	Activation of imidazoline $\alpha$ 3 receptors ameliorates pancreatic damage. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 964-971.	0.9	5
478	Analysis of type II diabetes mellitus adipose-derived stem cells for tissue engineering applications. <i>Journal of Tissue Engineering</i> , 2015, 6, 204173141557921.	2.3	23
479	Different downstream signalling of CCK <sub>1</sub> receptors regulates distinct functions of CCK in pancreatic beta cells. <i>British Journal of Pharmacology</i> , 2015, 172, 5050-5067.	2.7	41
480	<i>In Vivo</i> Anti-Hyperglycemic Potential of Brahmi Gritham and Docking Studies of Its Active Components Against Protein Kinase C and CD38. <i>Journal of Food Biochemistry</i> , 2015, 39, 642-652.	1.2	2
481	Development of a peptide $\alpha$ functionalized imaging nanoprobe for the targeting of (FXYD2) $\beta$ as a highly specific biomarker of pancreatic beta cells. <i>Contrast Media and Molecular Imaging</i> , 2015, 10, 398-412.	0.4	19
482	Mechanistic insights into pancreatic beta-cell mass regulation by glucose and free fatty acids. <i>Anatomy and Cell Biology</i> , 2015, 48, 16.	0.5	33
483	Role of pro-inflammatory cytokines of pancreatic islets and prospects of elaboration of new methods for the diabetes treatment. <i>Acta Biochimica Polonica</i> , 2015, 62, 15-21.	0.3	79
484	The Framework of a Mathematical Model of the Autonomic Nervous System and Physiological Systems: Using the Neuroregulation of Blood Glucose as an Example. <i>Journal of Computer Science and Systems Biology</i> , 2015, 8, .	0.0	1
485	Developing Therapies with Functional Beta Cells to Treat Diabetes. <i>International Journal of Translational Science</i> , 2015, 2015, 41-66.	0.2	1
486	Polarization of Macrophages in Metabolic Diseases. <i>Journal of Clinical &amp; Cellular Immunology</i> , 2015, 06, .	1.5	2
487	IN VITRO ANTIDIABETIC ACTIVITY OF TRAGIA INVOLUCRATA LINN. LEAF EXTRACTS. <i>International Journal of Research in Ayurveda and Pharmacy</i> , 2015, 6, 1-3.	0.0	11
488	Two Birds with One Stone: Possible Dual-Role of Oxytocin in the Treatment of Diabetes and Osteoporosis. <i>Frontiers in Endocrinology</i> , 2015, 6, 121.	1.5	41
489	Inhibition of Calcium Influx Reduces Dysfunction and Apoptosis in Lipotoxic Pancreatic $\beta$ -Cells via Regulation of Endoplasmic Reticulum Stress. <i>PLoS ONE</i> , 2015, 10, e0132411.	1.1	25
490	Decreased Circulating Levels of APRIL: Questioning Its Role in Diabetes. <i>PLoS ONE</i> , 2015, 10, e0140150.	1.1	1
491	Can CD44 Be a Mediator of Cell Destruction? The Challenge of Type 1 Diabetes. <i>PLoS ONE</i> , 2015, 10, e0143589.	1.1	20
492	Adrenergic regulation of innate immunity: a review. <i>Frontiers in Pharmacology</i> , 2015, 6, 171.	1.6	247

#	ARTICLE	IF	CITATIONS
493	Islets and Glucose Homeostasis. <i>International Journal of Endocrinology</i> , 2015, 2015, 1-2.	0.6	0
494	Protective Role of Nuclear Factor E2-Related Factor 2 against Acute Oxidative Stress-Induced Pancreatic $\beta$ -Cell Damage. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-12.	1.9	36
495	Ghrelin's Effects on Proinflammatory Cytokine Mediated Apoptosis and Their Impact on $\beta$ -Cell Functionality. <i>International Journal of Endocrinology</i> , 2015, 2015, 1-11.	0.6	8
496	<i>Lespedeza davurica</i> (Lax.) Schindl. Extract Protects against Cytokine-Induced $\beta$ -Cell Damage and Streptozotocin-Induced Diabetes. <i>BioMed Research International</i> , 2015, 2015, 1-8.	0.9	14
497	Role of Genetic Alterations in the <i>NLRP3</i> and <i>CARD8</i> Genes in Health and Disease. <i>Mediators of Inflammation</i> , 2015, 2015, 1-10.	1.4	57
498	Switching the Sphingolipid Rheostat in the Treatment of Diabetes and Cancer Comorbidity from a Problem to an Advantage. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	27
499	Responses of GLP1-secreting L-cells to cytotoxicity resemble pancreatic $\beta$ -cells but not $\alpha$ -cells. <i>Journal of Molecular Endocrinology</i> , 2015, 54, 91-104.	1.1	12
500	Type 2 diabetes mellitus: From a metabolic disorder to an inflammatory condition. <i>World Journal of Diabetes</i> , 2015, 6, 598.	1.3	303
501	Osteocalcin protects pancreatic beta cell function and survival under high glucose conditions. <i>Biochemical and Biophysical Research Communications</i> , 2015, 462, 21-26.	1.0	21
502	Polyphenols isolated from <i>Broussonetia kazinoki</i> prevent cytokine-induced $\beta$ -cell damage and the development of type 1 diabetes. <i>Experimental and Molecular Medicine</i> , 2015, 47, e160-e160.	3.2	15
503	Emodin isolated from <i>Rheum palmatum</i> prevents cytokine-induced $\beta$ -cell damage and the development of type 1 diabetes. <i>Journal of Functional Foods</i> , 2015, 16, 9-19.	1.6	17
504	The H1-receptor antagonist cetirizine ameliorates high-fat diet-induced glucose intolerance in male C57BL/6 mice, but not diabetes outcome in female non-obese diabetic (NOD) mice. <i>Upsala Journal of Medical Sciences</i> , 2015, 120, 40-46.	0.4	8
505	Myt3 Mediates Laminin-V/Integrin- $\beta$ 1-Induced Islet-Cell Migration via <i>Tgfb1</i> . <i>Molecular Endocrinology</i> , 2015, 29, 1254-1268.	3.7	9
506	Do personality traits moderate the manifestation of type 2 diabetes genetic risk?. <i>Journal of Psychosomatic Research</i> , 2015, 79, 303-308.	1.2	13
507	Identification of phenotypic networks based on whole transcriptome by comparative network decomposition. , 2015, , .		0
508	Concise Review: Macrophages: Versatile Gatekeepers During Pancreatic $\beta$ -Cell Development, Injury, and Regeneration. <i>Stem Cells Translational Medicine</i> , 2015, 4, 555-563.	1.6	34
509	Oxidative Stress and Diabetes. , 2015, , 241-257.		1
510	Nephrin, a transmembrane protein, is involved in pancreatic beta-cell survival signaling. <i>Molecular and Cellular Endocrinology</i> , 2015, 400, 112-128.	1.6	21

#	ARTICLE	IF	CITATIONS
511	Non-receptor tyrosine kinase inhibitors enhances $\beta$ -cell survival by suppressing the PKC $\delta$ signal transduction pathway in streptozotocin induced $\beta$ -cell apoptosis. <i>Cellular Signalling</i> , 2015, 27, 1066-1074.	1.7	15
512	High-fat diet combined with low-dose streptozotocin injections induces metabolic syndrome in <i>Macaca mulatta</i> . <i>Endocrine</i> , 2015, 49, 659-668.	1.1	10
513	How apoptotic $\beta$ -cells direct immune response to tolerance or to autoimmune diabetes: a review. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 263-272.	2.2	56
514	Pancreatic Beta Cells Are Highly Susceptible to Oxidative and ER Stresses during the Development of Diabetes. <i>Journal of Proteome Research</i> , 2015, 14, 688-699.	1.8	30
515	The beta-cell in type 1 diabetes: What have we learned from proteomic studies?. <i>Proteomics - Clinical Applications</i> , 2015, 9, 755-766.	0.8	19
516	Short Term Exposure of Beta Cells to Low Concentrations of Interleukin-1 $\beta$ Improves Insulin Secretion through Focal Adhesion and Actin Remodeling and Regulation of Gene Expression. <i>Journal of Biological Chemistry</i> , 2015, 290, 6653-6669.	1.6	28
518	Conformational Restriction and Steric Hindrance in Medicinal Chemistry. , 2015, , 279-299.		29
519	Insulin plant ( <i>Costus pictus</i> ) extract improves insulin sensitivity and ameliorates atherogenic dyslipidaemia in fructose induced insulin resistant rats: Molecular mechanism. <i>Journal of Functional Foods</i> , 2015, 17, 749-760.	1.6	15
520	TRPM2-mediated intracellular Zn <sup>2+</sup> release triggers pancreatic $\beta$ -cell death. <i>Biochemical Journal</i> , 2015, 466, 537-546.	1.7	47
521	Imatinib mesylate stimulates low-density lipoprotein receptor-related protein 1-mediated ERK phosphorylation in insulin-producing cells. <i>Clinical Science</i> , 2015, 128, 17-28.	1.8	20
522	Elevated IFN-alpha/beta levels in a streptozotocin-induced type I diabetic mouse model promote oxidative stress and mediate depletion of spleen-homing CD8+ T cells by apoptosis through impaired CCL21/CCR7 axis and IL-7/CD127 signaling. <i>Cellular Signalling</i> , 2015, 27, 2110-2119.	1.7	7
523	The balance between adaptive and apoptotic unfolded protein responses regulates $\beta$ -cell death under ER stress conditions through XBP1, CHOP and JNK. <i>Molecular and Cellular Endocrinology</i> , 2015, 413, 189-201.	1.6	93
524	Type 2 Diabetes Mellitus: Limitations of Conventional Therapies and Intervention with Nucleic Acid-Based Therapeutics. <i>Chemical Reviews</i> , 2015, 115, 4719-4743.	23.0	62
525	<i>Chlamydia pneumoniae</i> promotes dysfunction of pancreatic beta cells. <i>Cellular Immunology</i> , 2015, 295, 83-91.	1.4	7
526	A live-cell, high-content imaging survey of 206 endogenous factors across five stress conditions reveals context-dependent survival effects in mouse primary beta cells. <i>Diabetologia</i> , 2015, 58, 1239-1249.	2.9	10
527	Modulation of Glucose Transporter Protein by Dietary Flavonoids in Type 2 Diabetes Mellitus. <i>International Journal of Biological Sciences</i> , 2015, 11, 508-524.	2.6	143
528	TLR4 at the Crossroads of Nutrients, Gut Microbiota, and Metabolic Inflammation. <i>Endocrine Reviews</i> , 2015, 36, 245-271.	8.9	212
530	Hypothalamic innate immune reaction in obesity. <i>Nature Reviews Endocrinology</i> , 2015, 11, 339-351.	4.3	133

#	ARTICLE	IF	CITATIONS
531	Experimental evidence for curcumin and its analogs for management of diabetes mellitus and its associated complications. <i>European Journal of Pharmacology</i> , 2015, 756, 30-37.	1.7	51
532	Mechanisms of enhanced insulin secretion and sensitivity with n-3 unsaturated fatty acids. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 571-584.	1.9	105
533	Immunotherapies currently in development for the treatment of type 1 diabetes. <i>Expert Opinion on Investigational Drugs</i> , 2015, 24, 1331-1341.	1.9	11
534	Tissue factor/factor VIIa signalling promotes cytokine-induced beta cell death and impairs glucose-stimulated insulin secretion from human pancreatic islets. <i>Diabetologia</i> , 2015, 58, 2563-2572.	2.9	11
535	Evaluation of low doses BPA-induced perturbation of glycemia by toxicogenomics points to a primary role of pancreatic islets and to the mechanism of toxicity. <i>Cell Death and Disease</i> , 2015, 6, e1959-e1959.	2.7	50
536	Trophic effects of adipose derived stem cells on Langerhans islets viability – Review. <i>Transplantation Reviews</i> , 2015, 29, 121-126.	1.2	7
537	Ganglioside GM3 as a gatekeeper of obesity-associated insulin resistance: Evidence and mechanisms. <i>FEBS Letters</i> , 2015, 589, 3221-3227.	1.3	47
538	Large-Scale Discovery and Validation Studies Demonstrate Significant Reductions in Circulating Levels of IL8, IL-1Ra, MCP-1, and MIP-1 $\beta$ in Patients With Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E1179-E1187.	1.8	28
539	CD36 initiated signaling mediates ceramide-induced TXNIP expression in pancreatic beta-cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2414-2422.	1.8	18
540	Vitamin A: a missing link in diabetes?. <i>Diabetes Management</i> , 2015, 5, 359-367.	0.5	30
541	Benzimidazole derivatives protect against cytokine-induced apoptosis in pancreatic $\beta$ -Cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4672-4676.	1.0	12
542	Pyroloquinoline quinone (PQQ) has potential to ameliorate streptozotocin-induced diabetes mellitus and oxidative stress in mice: A histopathological and biochemical study. <i>Chemico-Biological Interactions</i> , 2015, 240, 278-290.	1.7	29
543	Nedd4 family interacting protein 1 (Ndfip1) promotes death of pancreatic beta cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 465, 851-856.	1.0	5
544	A Northern contaminant mixture impairs pancreas function in obese and lean JCR rats and inhibits insulin secretion in MIN6 cells. <i>Toxicology</i> , 2015, 334, 81-93.	2.0	15
545	From Discovery to Function: The Expanding Roles of Long NonCoding RNAs in Physiology and Disease. <i>Endocrine Reviews</i> , 2015, 36, 25-64.	8.9	351
546	Protective effect of hydrogen sulfide on pancreatic beta-cells. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 46, 32-36.	1.2	20
547	$\beta$ Cell Store-Operated Ion Channels Store-operated ion channels. , 2015, , 337-368.		0
548	Fenugreek seed extract and its phytochemicals- trigonelline and diosgenin arbitrate their hepatoprotective effects through attenuation of endoplasmic reticulum stress and oxidative stress in type 2 diabetic rats. <i>European Food Research and Technology</i> , 2015, 240, 223-232.	1.6	21

#	ARTICLE	IF	CITATIONS
549	Translational implications of the Î²-cell epigenome in diabetes mellitus. <i>Translational Research</i> , 2015, 165, 91-101.	2.2	10
550	The emerging role of redox-sensitive Nrf2-Keap1 pathway in diabetes. <i>Pharmacological Research</i> , 2015, 91, 104-114.	3.1	123
551	Glucagon-like Peptide-1 (GLP-1) Analogs: Recent Advances, New Possibilities, and Therapeutic Implications. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 1020-1037.	2.9	129
552	The rise, fall, and resurgence of immunotherapy in type 1 diabetes. <i>Pharmacological Research</i> , 2015, 98, 31-38.	3.1	49
553	TNF-Î± gene expression is increased following zinc supplementation in type 2 diabetes mellitus. <i>Genes and Nutrition</i> , 2015, 10, 440.	1.2	15
554	Relationship of Skin Autofluorescence to Severity of Retinopathy in Type 2 Diabetes. <i>Current Eye Research</i> , 2015, 40, 338-345.	0.7	29
555	High fat programming of beta cell compensation, exhaustion, death and dysfunction. <i>Pediatric Diabetes</i> , 2015, 16, 71-78.	1.2	33
556	Fatty Acids and Hypothalamic Dysfunction in Obesity. , 2016, , 557-582.		0
557	Apoptosis in pancreatic Î²-islet cells in Type 2 diabetes. <i>Bosnian Journal of Basic Medical Sciences</i> , 2016, 16, 162-179.	0.6	138
558	Beta Cell Formation in vivo Through Cellular Networking, Integration and Processing (CNIP) in Wild Type Adult Mice. <i>Current Pharmaceutical Biotechnology</i> , 2016, 17, 376-388.	0.9	5
560	The Relationship of Metabolic Syndrome Traits with Beta-Cell Function and Insulin Sensitivity by Oral Minimal Model Assessment in South Asian and European Families Residing in the Netherlands. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-9.	1.0	5
561	Considerations for Defining Cytokine Dose, Duration, and Milieu That Are Appropriate for Modeling Chronic Low-Grade Inflammation in Type 2 Diabetes. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-9.	1.0	23
562	Anti-Inflammatory Effects of GLP-1-Based Therapies beyond Glucose Control. <i>Mediators of Inflammation</i> , 2016, 2016, 1-11.	1.4	286
563	Comparative Study of the Antioxidant Effects of Metformin, Glibenclamide, and Repaglinide in Alloxan-Induced Diabetic Rats. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-5.	1.0	86
564	Hyperglycemic Stress and Carbon Stress in Diabetic Glucotoxicity. , 2016, 7, 90.		99
565	Cannabinoids Regulate Bcl-2 and Cyclin D2 Expression in Pancreatic Î² Cells. <i>PLoS ONE</i> , 2016, 11, e0150981.	1.1	14
566	Mammalian Target of Rapamycin (mTOR), Aging, Neuroscience, and Their Association with Aging-Related Diseases. , 2016, , 185-203.		0
567	Î²-Cell Metabolism, Insulin Production and Secretion. , 2016, , 29-40.		3



#	ARTICLE	IF	CITATIONS
568	Spatiotemporal Dynamics of Insulinitis in Human Type 1 Diabetes. <i>Frontiers in Physiology</i> , 2016, 7, 633.	1.3	16
569	Developmental endothelial locus-1 modulates platelet-monocyte interactions and instant blood-mediated inflammatory reaction in islet transplantation. <i>Thrombosis and Haemostasis</i> , 2016, 115, 781-788.	1.8	35
570	Improved antioxidative defence protects insulin-producing cells against homocysteine toxicity. <i>Chemico-Biological Interactions</i> , 2016, 256, 37-46.	1.7	5
571	Protein Inhibitor of Activated STAT Y (PIASy) Regulates Insulin Secretion by Interacting with LIM Homeodomain Transcription Factor Isl1. <i>Scientific Reports</i> , 2016, 6, 39308.	1.6	7
572	Extracellular acidification stimulates GPR68 mediated IL-8 production in human pancreatic $\beta^2$ cells. <i>Scientific Reports</i> , 2016, 6, 25765.	1.6	22
573	NSC23766, a Known Inhibitor of Tiam1-Rac1 Signaling Module, Prevents the Onset of Type 1 Diabetes in the NOD Mouse Model. <i>Cellular Physiology and Biochemistry</i> , 2016, 39, 760-767.	1.1	32
574	Molecular mechanisms of ROS production and oxidative stress in diabetes. <i>Biochemical Journal</i> , 2016, 473, 4527-4550.	1.7	617
575	Molecular Mechanisms of Toxicity and Cell Damage by Chemicals in a Human Pancreatic Beta Cell Line, 1.1B4. <i>Pancreas</i> , 2016, 45, 1320-1329.	0.5	11
576	T Cell Repertoire Diversity Is Decreased in Type 1 Diabetes Patients. <i>Genomics, Proteomics and Bioinformatics</i> , 2016, 14, 338-348.	3.0	27
577	Targeting erythrocyte carbonic anhydrase and 18O-isotope of breath CO <sub>2</sub> for sorting out type 1 and type 2 diabetes. <i>Scientific Reports</i> , 2016, 6, 35836.	1.6	20
578	Inhibition of tumor suppressor p53 preserves glycation-serum induced pancreatic beta-cell demise. <i>Endocrine</i> , 2016, 54, 383-395.	1.1	11
579	Oyster extracts attenuate pathological changes in non-alcoholic steatohepatitis (NASH) mouse model. <i>Journal of Functional Foods</i> , 2016, 20, 516-531.	1.6	15
580	Microcystin-LR induces dysfunction of insulin secretion in rat insulinoma (INS-1) cells: Implications for diabetes mellitus. <i>Journal of Hazardous Materials</i> , 2016, 314, 11-21.	6.5	21
581	A Reevaluation of the Role of the Unfolded Protein Response in Islet Dysfunction: Maladaptation or a Failure to Adapt?. <i>Diabetes</i> , 2016, 65, 1472-1480.	0.3	62
582	MicroRNA 146a locally mediates distal axonal growth of dorsal root ganglia neurons under high glucose and sildenafil conditions. <i>Neuroscience</i> , 2016, 329, 43-53.	1.1	43
583	EETs/sEH in diabetes and obesity-induced cardiovascular diseases. <i>Prostaglandins and Other Lipid Mediators</i> , 2016, 125, 80-89.	1.0	44
584	ER stress and the decline and fall of pancreatic beta cells in type 1 diabetes. <i>Upsala Journal of Medical Sciences</i> , 2016, 121, 133-139.	0.4	77
585	Endoplasmic reticulum stress and the unfolded protein response in pancreatic islet inflammation. <i>Journal of Molecular Endocrinology</i> , 2016, 57, R1-R17.	1.1	70

#	ARTICLE	IF	CITATIONS
586	Protective role of adenovirus vector-mediated interleukin-10 gene therapy on endogenous islet $\beta$ -cells in recent-onset type 1 diabetes in NOD mice. <i>Experimental and Therapeutic Medicine</i> , 2016, 11, 1625-1632.	0.8	16
587	The role of the p53 tumor suppressor in metabolism and diabetes. <i>Journal of Endocrinology</i> , 2016, 231, R61-R75.	1.2	108
588	Tumor necrosis factor $\alpha$ -induced protein-3 protects zinc transporter 8 against proinflammatory cytokine-induced downregulation. <i>Experimental and Therapeutic Medicine</i> , 2016, 12, 1509-1514.	0.8	8
589	Handbook of Insulin Therapies. , 2016, , .		3
590	Susceptibility of brown adipocytes to pro-inflammatory cytokine toxicity and reactive oxygen species. <i>Bioscience Reports</i> , 2016, 36, .	1.1	33
591	PTB and TIAR binding to insulin mRNA 3' and 5'UTRs; implications for insulin biosynthesis and messenger stability. <i>Heliyon</i> , 2016, 2, e00159.	1.4	11
592	Boswellic Acids and Their Role in Chronic Inflammatory Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2016, 928, 291-327.	0.8	96
593	Nitric oxide levels in patients with diabetes mellitus: A systematic review and meta-analysis. <i>Nitric Oxide - Biology and Chemistry</i> , 2016, 61, 1-9.	1.2	71
594	Efficacy and risk profile of anti-diabetic therapies: Conventional vs traditional drugs – A mechanistic revisit to understand their mode of action. <i>Pharmacological Research</i> , 2016, 113, 636-674.	3.1	53
595	Activation of Nicotinic Acetylcholine Receptors Decreases Apoptosis in Human and Female Murine Pancreatic Islets. <i>Endocrinology</i> , 2016, 157, 3800-3808.	1.4	8
596	Initiation and Intensification Strategies in Type 2 Diabetes Management: A Comparison of Basal Plus and Premix Regimens. <i>Diabetes Therapy</i> , 2016, 7, 641-657.	1.2	16
597	Fenofibrate Decreases Insulin Clearance and Insulin Secretion to Maintain Insulin Sensitivity. <i>Journal of Biological Chemistry</i> , 2016, 291, 23915-23924.	1.6	23
598	Pancreatic Differentiation from Human Pluripotent Stem Cells. , 2016, , 257-275.		0
599	Working with Stem Cells. , 2016, , .		2
600	Sensitivity profile of the human EndoC- $\beta$ H1 beta cell line to proinflammatory cytokines. <i>Diabetologia</i> , 2016, 59, 2125-2133.	2.9	54
601	Dopamine Receptor Signaling in MIN6 $\beta$ -Cells Revealed by Fluorescence Fluctuation Spectroscopy. <i>Biophysical Journal</i> , 2016, 111, 609-618.	0.2	6
602	Current and future treatment of amyloid diseases. <i>Journal of Internal Medicine</i> , 2016, 280, 177-202.	2.7	73
603	Functionality of Sugars in Foods and Health. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2016, 15, 433-470.	5.9	131

#	ARTICLE	IF	CITATIONS
605	Cytokines and Pancreatic $\beta$ -Cell Apoptosis. <i>Advances in Clinical Chemistry</i> , 2016, 75, 99-158.	1.8	85
606	Activation of islet 5-HT <sub>4</sub> receptor regulates glycemic control through promoting insulin secretion. <i>European Journal of Pharmacology</i> , 2016, 789, 354-361.	1.7	14
607	Silicon nanopore membrane (SNM) for islet encapsulation and immunoisolation under convective transport. <i>Scientific Reports</i> , 2016, 6, 23679.	1.6	40
608	An overview of diabetes. <i>Nursing Standard (Royal College of Nursing (Great Britain): 1987)</i> , 2016, 30, 53-63.	0.1	13
609	Control of autoimmune inflammation by celastrol, a natural triterpenoid. <i>Pathogens and Disease</i> , 2016, 74, ftw059.	0.8	104
610	Generation of stem cell-derived $\beta$ -cells from patients with type 1 diabetes. <i>Nature Communications</i> , 2016, 7, 11463.	5.8	280
611	Adipose tissue at the nexus of systemic and cellular immunometabolism. <i>Seminars in Immunology</i> , 2016, 28, 431-440.	2.7	55
612	Protein Modifications as Manifestations of Hyperglycemic Glucotoxicity in Diabetes and Its Complications. <i>Biochemistry Insights</i> , 2016, 9, BCI.S36141.	3.3	53
613	Progress and challenges in macroencapsulation approaches for type 1 diabetes (T1D) treatment: Cells, biomaterials, and devices. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1381-1402.	1.7	74
614	Aberrant Accumulation of the Diabetes Autoantigen GAD65 in Golgi Membranes in Conditions of ER Stress and Autoimmunity. <i>Diabetes</i> , 2016, 65, 2686-2699.	0.3	28
615	Ginsenoside Rg3 prevents INS-1 cell death from intermittent high glucose stress. <i>Islets</i> , 2016, 8, 57-64.	0.9	13
616	Aromatic malononitriles stimulate the resistance of insulin-producing beta-cells to oxidants and inflammatory cytokines. <i>European Journal of Pharmacology</i> , 2016, 784, 69-80.	1.7	10
617	Downregulation of Long Noncoding RNA Meg3 Affects Insulin Synthesis and Secretion in Mouse Pancreatic Beta Cells. <i>Journal of Cellular Physiology</i> , 2016, 231, 852-862.	2.0	131
618	Myt3 suppression sensitizes islet cells to high glucose-induced cell death via Bim induction. <i>Cell Death and Disease</i> , 2016, 7, e2233-e2233.	2.7	5
619	Cholesterol in Pancreatic $\beta$ -Cell Death and Dysfunction. <i>Pancreas</i> , 2016, 45, 317-324.	0.5	12
620	Inhibition of the MAP3 kinase Tpl2 protects rodent and human $\beta$ -cells from apoptosis and dysfunction induced by cytokines and enhances anti-inflammatory actions of exendin-4. <i>Cell Death and Disease</i> , 2016, 7, e2065-e2065.	2.7	20
621	Calcium channel blocker use is associated with lower fasting serum glucose among adults with diabetes from the REGARDS study. <i>Diabetes Research and Clinical Practice</i> , 2016, 115, 115-121.	1.1	40
622	Pancreatic Islet Adaptation and Failure in Obesity and Diabetes. , 2016, , 461-478.		0

#	ARTICLE	IF	CITATIONS
623	Isolation and characterization of human islet stellate cells. <i>Experimental Cell Research</i> , 2016, 341, 61-66.	1.2	27
624	Anti-apoptotic and cytoprotective effect of <i>Enicostemma littorale</i> against oxidative stress in Islets of Langerhans. <i>Pharmaceutical Biology</i> , 2016, 54, 2061-2072.	1.3	7
625	Low Level Pro-inflammatory Cytokines Decrease Connexin36 Gap Junction Coupling in Mouse and Human Islets through Nitric Oxide-mediated Protein Kinase C $\beta$ . <i>Journal of Biological Chemistry</i> , 2016, 291, 3184-3196.	1.6	50
626	Life and death of $\beta$ cells in Type 1 diabetes: A comprehensive review. <i>Journal of Autoimmunity</i> , 2016, 71, 51-58.	3.0	81
627	Mechanisms underlying the effect of polysaccharides in the treatment of type 2 diabetes: A review. <i>Carbohydrate Polymers</i> , 2016, 144, 474-494.	5.1	185
628	Strain Differences Determine the Suitability of Animal Models for Noninvasive In Vivo Beta Cell Mass Determination with Radiolabeled Exendin. <i>Molecular Imaging and Biology</i> , 2016, 18, 705-714.	1.3	20
629	Evaluation of the modified HTK solution in pancreas transplantation—An experimental model. <i>Asian Journal of Surgery</i> , 2016, 39, 66-73.	0.2	6
630	PAX4 preserves endoplasmic reticulum integrity preventing beta cell degeneration in a mouse model of type 1 diabetes mellitus. <i>Diabetologia</i> , 2016, 59, 755-765.	2.9	33
631	Elucidating the links between personality traits and diabetes mellitus: Examining the role of facets, assessment methods, and selected mediators. <i>Personality and Individual Differences</i> , 2016, 94, 377-382.	1.6	11
632	TNF- $\alpha$ is upregulated in T2DM patients with fracture and promotes the apoptosis of osteoblast cells in vitro in the presence of high glucose. <i>Cytokine</i> , 2016, 80, 35-42.	1.4	38
633	Effects of Reg3 Delta Bioactive Peptide on Blood Glucose Levels and Pancreatic Gene Expression in an Alloxan-Induced Mouse Model of Diabetes. <i>Canadian Journal of Diabetes</i> , 2016, 40, 198-203.	0.4	5
635	Long-term wheel-running and acute 6-h advances alter glucose tolerance and insulin levels in TALLYHO/Jngj mice. <i>Chronobiology International</i> , 2016, 33, 108-116.	0.9	12
636	Pterostilbene Ameliorates Streptozotocin-Induced Diabetes through Enhancing Antioxidant Signaling Pathways Mediated by Nrf2. <i>Chemical Research in Toxicology</i> , 2016, 29, 47-57.	1.7	64
637	Benzimidazole derivatives as new $\alpha$ -glucosidase inhibitors and in silico studies. <i>Bioorganic Chemistry</i> , 2016, 64, 29-36.	2.0	75
638	Artesunate protects pancreatic beta cells against cytokine-induced damage via SIRT1 inhibiting NF- $\kappa$ B activation. <i>Journal of Endocrinological Investigation</i> , 2016, 39, 83-91.	1.8	29
639	Beta Cell Transplantation and Regeneration. , 2016, , 883-897.e5.		1
640	Expression and localization of the AT1 and AT2 angiotensin II receptors and $\alpha$ 1A and $\alpha$ 1D adrenergic receptors in aorta of hypertensive and diabetic rats. <i>Clinical and Experimental Hypertension</i> , 2017, 39, 85-92.	0.5	3
641	$\alpha$ 1-Antitrypsin Enhances Islet Engraftment by Suppression of Instant Blood-Mediated Inflammatory Reaction. <i>Diabetes</i> , 2017, 66, 970-980.	0.3	62

#	ARTICLE	IF	CITATIONS
642	High glucose-induced LIF suppresses osteoblast differentiation via regulating STAT3/SOCS3 signaling. <i>Cytokine</i> , 2017, 91, 132-139.	1.4	23
643	Adenosine signaling in diabetes mellitus and associated cardiovascular and renal complications. <i>Molecular Aspects of Medicine</i> , 2017, 55, 62-74.	2.7	38
644	Cerebral ischemic damage in diabetes: an inflammatory perspective. <i>Journal of Neuroinflammation</i> , 2017, 14, 21.	3.1	135
645	Sumoylation Modulates the Susceptibility to Type 1 Diabetes. <i>Advances in Experimental Medicine and Biology</i> , 2017, 963, 299-322.	0.8	18
646	Current trend in drug delivery considerations for subcutaneous insulin depots to treat diabetes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 153, 123-131.	2.5	21
647	Immune modulation of some autoimmune diseases: the critical role of macrophages and neutrophils in the innate and adaptive immunity. <i>Journal of Translational Medicine</i> , 2017, 15, 36.	1.8	253
648	Paracrine GABA and insulin regulate pancreatic alpha cell proliferation in a mouse model of type 1 diabetes. <i>Diabetologia</i> , 2017, 60, 1033-1042.	2.9	47
649	Effet antidiabétique et antihypercholestérolémiant des fractions riches en flavonoïdes de <i>Rosmarinus officinalis</i> chez des souris rendues diabétiques par la streptozotocine. <i>Phytothérapie</i> , 0, , 1.	0.1	3
650	Fasting-Mimicking Diet Promotes Ngn3-Driven $\beta$ -Cell Regeneration to Reverse Diabetes. <i>Cell</i> , 2017, 168, 775-788.e12.	13.5	274
651	Unraveling the role of ER stress inhibitors in the context of metabolic diseases. <i>Pharmacological Research</i> , 2017, 119, 412-421.	3.1	46
652	Cardioprotective effects of pectin-insulin patch in streptozotocin-induced diabetic rats. <i>Journal of Diabetes</i> , 2017, 9, 1073-1081.	0.8	14
653	Gold nanostructure materials in diabetes management. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 134003.	1.3	9
654	An immunohistochemical study of nitrotyrosine expression in pancreatic islets of cases with increasing duration of type 1 diabetes and without diabetes. <i>Histochemistry and Cell Biology</i> , 2017, 147, 605-623.	0.8	4
655	Role of pterostilbene in attenuating immune mediated devastation of pancreatic beta cells via Nrf2 signaling cascade. <i>Journal of Nutritional Biochemistry</i> , 2017, 44, 11-21.	1.9	57
656	Glucose-Stimulated Insulin Response of Silicon Nanopore-Immunoprotected Islets under Convective Transport. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1051-1061.	2.6	5
657	Actions of PGLA-AM1 and its [A14K] and [A20K] analogues and their therapeutic potential as anti-diabetic agents. <i>Biochimie</i> , 2017, 138, 1-12.	1.3	16
658	A pilot interventional study to evaluate the impact of cholecalciferol treatment on HbA1c in type 1 diabetes (T1D). <i>Endocrine Connections</i> , 2017, 6, 225-231.	0.8	16
659	Protective effect of cirsimaritin against streptozotocin-induced apoptosis in pancreatic beta cells. <i>Journal of Pharmacy and Pharmacology</i> , 2017, 69, 875-883.	1.2	30

#	ARTICLE	IF	CITATIONS
660	Long-Term GABA Administration Induces Alpha Cell-Mediated Beta-like Cell Neogenesis. <i>Cell</i> , 2017, 168, 73-85.e11.	13.5	259
661	Neonatal levels of adiponectin, interleukin-10 and interleukin-12 are associated with the risk of developing type 1 diabetes in childhood and adolescence: A nationwide Danish case-control study. <i>Clinical Immunology</i> , 2017, 174, 18-23.	1.4	13
662	The Potential Role of KrÄppel-Like Zinc-Finger Protein Glis3 in Genetic Diseases and Cancers. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2017, 65, 381-389.	1.0	9
663	Chemistry and biology of reactive species with special reference to the antioxidative defence status in pancreatic Î²-cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1929-1942.	1.1	97
664	Temporal Transcriptomic and Proteomic Landscapes of Deteriorating Pancreatic Islets in Type 2 Diabetic Rats. <i>Diabetes</i> , 2017, 66, 2188-2200.	0.3	54
665	The Plasma Membrane Calcium ATPases and Their Role as Major New Players in Human Disease. <i>Physiological Reviews</i> , 2017, 97, 1089-1125.	13.1	94
666	The stress-response molecule NR4A1 resists ROS-induced pancreatic Î²-cells apoptosis via WT1. <i>Cellular Signalling</i> , 2017, 35, 129-139.	1.7	19
667	Sirt3 Deficiency Increased the Vulnerability of Pancreatic Beta Cells to Oxidative Stress-Induced Dysfunction. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 962-976.	2.5	47
668	TRPV4 regulates insulin mRNA expression and INS-1E cell death via ERK1/2 and NO-dependent mechanisms. <i>Cellular Signalling</i> , 2017, 35, 242-249.	1.7	14
669	The rs1043994 and rs3815188 genetic variations of the <i>NOTCH3</i> gene and risk of type 2 diabetes mellitus. <i>Biotechnology and Biotechnological Equipment</i> , 2017, 31, 563-567.	0.5	2
670	Ginsenoside Re Ameliorates Brain Insulin Resistance and Cognitive Dysfunction in High Fat Diet-Induced C57BL/6 Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 2719-2729.	2.4	53
671	APPL1 prevents pancreatic beta cell death and inflammation by dampening NFÎ±B activation in a mouse model of type 1 diabetes. <i>Diabetologia</i> , 2017, 60, 464-474.	2.9	16
672	Inflammation, oxidative stress, apoptosis, and autophagy in diabetes mellitus and diabetic kidney disease: the Four Horsemen of the Apocalypse. <i>International Urology and Nephrology</i> , 2017, 49, 837-844.	0.6	104
673	Overexpression of sphingosine-1-phosphate lyase protects insulin-secreting cells against cytokine toxicity. <i>Journal of Biological Chemistry</i> , 2017, 292, 20292-20304.	1.6	24
674	Targeting tumor associated macrophages: The new challenge for nanomedicine. <i>Seminars in Immunology</i> , 2017, 34, 103-113.	2.7	110
675	Glucagon-like peptide-1 improves Î²-cell dysfunction by suppressing the miR-27a-induced downregulation of ATP-binding cassette transporter A1. <i>Biomedicine and Pharmacotherapy</i> , 2017, 96, 497-502.	2.5	15
676	The additive effects of atorvastatin and insulin on renal function and renal organic anion transporter 3 function in diabetic rats. <i>Scientific Reports</i> , 2017, 7, 13532.	1.6	24
677	Anti-CD20 monoclonal antibody combined with adenovirus vector-mediated IL-10 regulates spleen CD4+/CD8+ T cells and T-bet/GATA-3 expression in NOD mice. <i>Molecular Medicine Reports</i> , 2017, 16, 3974-3982.	1.1	7

#	ARTICLE	IF	CITATIONS
678	Palmitate-induced lipotoxicity alters acetylation of multiple proteins in clonal $\beta^2$ cells and human pancreatic islets. <i>Scientific Reports</i> , 2017, 7, 13445.	1.6	44
679	Identification of islet-enriched long non-coding RNAs contributing to $\beta^2$ -cell failure in type 2 diabetes. <i>Molecular Metabolism</i> , 2017, 6, 1407-1418.	3.0	57
680	TRPM2-mediated rise in mitochondrial $Zn^{2+}$ promotes palmitate-induced mitochondrial fission and pancreatic $\beta^2$ -cell death in rodents. <i>Cell Death and Differentiation</i> , 2017, 24, 1999-2012.	5.0	35
681	Targeting Cellular Calcium Homeostasis to Prevent Cytokine-Mediated Beta Cell Death. <i>Scientific Reports</i> , 2017, 7, 5611.	1.6	28
682	Teucrium polium extract reverses symptoms of streptozotocin-induced diabetes in rats via rebalancing the Pdx1 and FoxO1 expressions. <i>Biomedicine and Pharmacotherapy</i> , 2017, 93, 1033-1039.	2.5	18
683	MicroRNAs as stress regulators in pancreatic beta cells and diabetes. <i>Molecular Metabolism</i> , 2017, 6, 1010-1023.	3.0	129
684	Elevated Markers of Death Receptor-Activated Apoptosis are Associated with Increased Risk for Development of Diabetes and Cardiovascular Disease. <i>EBioMedicine</i> , 2017, 26, 187-197.	2.7	43
685	The Role of the Antioxidant Protein DJ-1 in Type 2 Diabetes Mellitus. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1037, 173-186.	0.8	15
686	Pancreatic $\beta^2$ -cell protection from inflammatory stress by the endoplasmic reticulum proteins thrombospondin 1 and mesencephalic astrocyte-derived neurotrophic factor (MANF). <i>Journal of Biological Chemistry</i> , 2017, 292, 14977-14988.	1.6	41
687	GABA signaling stimulates $\beta^1$ -cell-mediated $\beta^2$ -like cell neogenesis. <i>Communicative and Integrative Biology</i> , 2017, 10, e1300215.	0.6	5
688	Protective effects of <i>Cynara scolymus</i> leaves extract on metabolic disorders and oxidative stress in alloxan-diabetic rats. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 328.	3.7	49
689	Network-based regularization for high dimensional SNP data in the case-control study of Type 2 diabetes. <i>BMC Genetics</i> , 2017, 18, 44.	2.7	18
690	Circulating unmethylated insulin DNA as a potential non-invasive biomarker of beta cell death in type 1 Diabetes: a review and future prospect. <i>Clinical Epigenetics</i> , 2017, 9, 44.	1.8	24
691	Exendin-4 promotes pancreatic $\beta^2$ -cell proliferation via inhibiting the expression of Wnt5a. <i>Endocrine</i> , 2017, 55, 398-409.	1.1	17
692	TM7SF3, a novel p53-regulated homeostatic factor, attenuates cellular stress and the subsequent induction of the unfolded protein response. <i>Cell Death and Differentiation</i> , 2017, 24, 132-143.	5.0	16
693	Single-cell transcriptomes identify human islet cell signatures and reveal cell-type-specific expression changes in type 2 diabetes. <i>Genome Research</i> , 2017, 27, 208-222.	2.4	440
694	Immunomodulation by helminths: Similar impact on type 1 and type 2 diabetes?. <i>Parasite Immunology</i> , 2017, 39, e12401.	0.7	19
695	Effects of methyl mercury exposure on pancreatic beta cell development and function. <i>Journal of Applied Toxicology</i> , 2017, 37, 4-12.	1.4	26

#	ARTICLE	IF	CITATIONS
696	NADPH oxidase-2 does not contribute to $\beta$ -cell glucotoxicity in cultured pancreatic islets from C57BL/6j mice. <i>Molecular and Cellular Endocrinology</i> , 2017, 439, 354-362.	1.6	24
697	Inhibitors of Poly(ADP-Ribose)Polymerase-1 as Agents Providing Correction of Brain Dysfunctions Induced by Experimental Diabetes. <i>Neurophysiology</i> , 2017, 49, 183-193.	0.2	14
698	Compound 19e, a Novel Glucokinase Activator, Protects against Cytokine-Induced Beta-Cell Apoptosis in INS-1 Cells. <i>Frontiers in Pharmacology</i> , 2017, 08, 169.	1.6	6
699	Expression of the JAK/STAT Signaling Pathway in Bullous Pemphigoid and Dermatitis Herpetiformis. <i>Mediators of Inflammation</i> , 2017, 2017, 1-12.	1.4	34
700	Beneficial Effects of Small Molecule Oligopeptides Isolated from Panax ginseng Meyer on Pancreatic Beta-Cell Dysfunction and Death in Diabetic Rats. <i>Nutrients</i> , 2017, 9, 1061.	1.7	19
701	Resveratrol Role in Autoimmune Disease—A Mini-Review. <i>Nutrients</i> , 2017, 9, 1306.	1.7	102
702	Spirulina Extract Enhanced a Protective Effect in Type 1 Diabetes by Anti-Apoptosis and Anti-ROS Production. <i>Nutrients</i> , 2017, 9, 1363.	1.7	34
703	Psoralea corylifolia L. Seed Extract Attenuates Diabetic Nephropathy by Inhibiting Renal Fibrosis and Apoptosis in Streptozotocin-Induced Diabetic Mice. <i>Nutrients</i> , 2017, 9, 828.	1.7	28
704	The Regulatory Roles of Mitogen-Activated Protein Kinase (MAPK) Pathways in Health and Diabetes: Lessons Learned from the Pancreatic $\beta$ -Cell. <i>Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery</i> , 2017, 10, 76-84.	0.7	54
705	Pancreatic Beta Cell Identity in Humans and the Role of Type 2 Diabetes. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 55.	1.8	67
706	Environmental Factors Contribute to $\beta$ Cell Endoplasmic Reticulum Stress and Neo-Antigen Formation in Type 1 Diabetes. <i>Frontiers in Endocrinology</i> , 2017, 8, 262.	1.5	34
707	The Role of Dendritic Cell Maturation in the Induction of Insulin-Dependent Diabetes Mellitus. <i>Frontiers in Immunology</i> , 2017, 8, 327.	2.2	82
708	Type 1 Diabetes: A Chronic Anti-Self-Inflammatory Response. <i>Frontiers in Immunology</i> , 2017, 8, 1898.	2.2	101
709	The Nrf2/Keap1/ARE Pathway and Oxidative Stress as a Therapeutic Target in Type II Diabetes Mellitus. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-15.	1.0	195
710	<i>Taenia crassiceps</i> Antigens Control Experimental Type 1 Diabetes by Inducing Alternatively Activated Macrophages. <i>Mediators of Inflammation</i> , 2017, 2017, 1-15.	1.4	16
711	Role of TRPV channels in regulating various pancreatic $\beta$ -cell functions: Lessons from <i>in vitro</i> studies. <i>BioScience Trends</i> , 2017, 11, 9-15.	1.1	4
712	Bioenergetics and Type 2 Diabetes. <i>Biochemistry &amp; Pharmacology: Open Access</i> , 2017, 06, .	0.2	1
713	Expression of the ZIP/SLC39A transporters in $\beta$ -cells: a systematic review and integration of multiple datasets. <i>BMC Genomics</i> , 2017, 18, 719.	1.2	14



#	ARTICLE	IF	CITATIONS
714	Thymoquinone Improves Anti-Diabetic Activity of Metformin in Streptozotocin-Induced Diabetic Male Rats. <i>Journal of Diabetes &amp; Metabolism</i> , 2017, 8, .	0.2	7
715	Metformin ameliorates insulinitis in STZ-induced diabetic mice. <i>PeerJ</i> , 2017, 5, e3155.	0.9	45
716	Stimulation of $\beta$ -adrenergic receptors plays a protective role via increased expression of RAF-1 and PDX-1 in hyperglycemic rat pancreatic islet (RIN-m5F) cells. <i>Archives of Medical Science</i> , 2017, 2, 470-480.	0.4	9
717	Role of sodium glucose cotransporter-2 inhibitors in type I diabetes mellitus. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2017, Volume 10, 161-167.	1.1	7
718	Subchronic exposure to acrylamide leads to pancreatic islet remodeling determined by alpha cell expansion and beta cell mass reduction in adult rats. <i>Acta Histochemica</i> , 2018, 120, 228-235.	0.9	16
719	Identification of miR-9 as a negative factor of insulin secretion from beta cells. <i>Journal of Physiology and Biochemistry</i> , 2018, 74, 291-299.	1.3	13
720	Role of p62 in the regulation of cell death induction. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2018, 23, 187-193.	2.2	36
721	Ameliorative effects of taurine against diabetes: a review. <i>Amino Acids</i> , 2018, 50, 487-502.	1.2	40
722	Sprouting angiogenesis in engineered pseudo islets. <i>Biofabrication</i> , 2018, 10, 035003.	3.7	24
723	Treatments for diabetes mellitus type II: New perspectives regarding the possible role of calcium and cAMP interaction. <i>European Journal of Pharmacology</i> , 2018, 830, 9-16.	1.7	15
724	Role of Protein Phosphatase 1 and Inhibitor of Protein Phosphatase 1 in Nitric Oxide-Dependent Inhibition of the DNA Damage Response in Pancreatic $\beta$ -Cells. <i>Diabetes</i> , 2018, 67, 898-910.	0.3	7
725	Estrogen receptor $\beta$ protects pancreatic $\beta$ -cells from apoptosis by preserving mitochondrial function and suppressing endoplasmic reticulum stress. <i>Journal of Biological Chemistry</i> , 2018, 293, 4735-4751.	1.6	70
726	miR15a and miR16 in Chilean type 1 diabetes patients: possible association with apoptosis, inflammatory, or autoimmunity markers. <i>Journal of Endocrinological Investigation</i> , 2018, 41, 1083-1088.	1.8	8
727	Selenium (Na <sub>2</sub> SeO <sub>3</sub> ) Upregulates Expression of Immune Genes and Blood Testis Barrier Constituent Proteins of Bovine Sertoli Cell In Vitro. <i>Biological Trace Element Research</i> , 2018, 185, 332-343.	1.9	21
728	miR15a and miR16 in Chilean type 1 diabetes patients: possible association with apoptosis, inflammatory, or autoimmunity markers. <i>Journal of Endocrinological Investigation</i> , 2018, , .	1.8	0
729	Islet Interleukin-1 $\beta$ Immunoreactivity Is an Early Feature of Cystic Fibrosis That May Contribute to $\beta$ -Cell Failure. <i>Diabetes Care</i> , 2018, 41, 823-830.	4.3	52
730	Interleukin-22 reverses human islet dysfunction and apoptosis triggered by hyperglycemia and LIGHT. <i>Journal of Molecular Endocrinology</i> , 2018, 60, 171-183.	1.1	13
731	Cytokine-mediated changes in K <sup>+</sup> channel activity promotes an adaptive Ca <sup>2+</sup> response that sustains $\beta$ -cell insulin secretion during inflammation. <i>Scientific Reports</i> , 2018, 8, 1158.	1.6	16

#	ARTICLE	IF	CITATIONS
732	SRp55 Regulates a Splicing Network That Controls Human Pancreatic $\beta$ -Cell Function and Survival. <i>Diabetes</i> , 2018, 67, 423-436.	0.3	46
733	Extracellular matrix molecules and their potential contribution to the function of transplanted pancreatic islets. <i>Diabetologia</i> , 2018, 61, 1261-1272.	2.9	124
734	PFOA is associated with diabetes and metabolic alteration in US men: National Health and Nutrition Examination Survey 2003-2012. <i>Science of the Total Environment</i> , 2018, 625, 566-574.	3.9	89
735	Naringin Protects Pancreatic $\beta$ -Cells Against Oxidative Stress-Induced Apoptosis by Inhibiting Both Intrinsic and Extrinsic Pathways in Insulin-Deficient Diabetic Mice. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700810.	1.5	31
736	Characterization of circulating leukocytes and correlation of leukocyte subsets with metabolic parameters 1 and 5 years after diabetes diagnosis. <i>Acta Diabetologica</i> , 2018, 55, 723-731.	1.2	10
737	Distribution of IL-1 $\beta$ immunoreactive cells in pancreatic biopsies from living volunteers with new-onset type 1 diabetes: comparison with donors without diabetes and with longer duration of disease. <i>Diabetologia</i> , 2018, 61, 1362-1373.	2.9	10
738	Combined treatment with interleukin-1 and tumor necrosis factor-alpha antagonists improve type 2 diabetes in rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 751-756.	0.7	10
739	Liquiritigenin prevents palmitate-induced beta-cell apoptosis via estrogen receptor-mediated AKT activation. <i>Biomedicine and Pharmacotherapy</i> , 2018, 101, 348-354.	2.5	20
740	Involvement of estrogen receptors in silibinin protection of pancreatic $\beta$ -cells from TNF $\alpha$ - or IL-1 $\beta$ -induced cytotoxicity. <i>Biomedicine and Pharmacotherapy</i> , 2018, 102, 344-353.	2.5	35
741	MiR-29c/PRKCI Regulates Axonal Growth of Dorsal Root Ganglia Neurons Under Hyperglycemia. <i>Molecular Neurobiology</i> , 2018, 55, 851-858.	1.9	22
742	Self-Transducible Bimodal PDX1-FOXP3 Protein Lifts Insulin Secretion and Curbs Autoimmunity, Boosting Tregs in Type 1 Diabetic Mice. <i>Molecular Therapy</i> , 2018, 26, 184-198.	3.7	1
743	The Protective Effect of Hydroalcoholic Extract of <i>Rosa canina</i> (Dog Rose) Fruit on Liver Function and Structure in Streptozotocin-Induced Diabetes in Rats. <i>Journal of Dietary Supplements</i> , 2018, 15, 624-635.	1.4	19
744	Emerging Role of Adipocytokines in Type 2 Diabetes as Mediators of Insulin Resistance and Cardiovascular Disease. <i>Canadian Journal of Diabetes</i> , 2018, 42, 446-456.e1.	0.4	91
745	Exercise training protects human and rodent $\beta$ cells against endoplasmic reticulum stress and apoptosis. <i>FASEB Journal</i> , 2018, 32, 1524-1536.	0.2	33
746	The Na $^{+}$ /Ca $^{2+}$ exchanger and the Plasma Membrane Ca $^{2+}$ -ATPase in $\beta$ -cell function and diabetes. <i>Neuroscience Letters</i> , 2018, 663, 72-78.	1.0	8
747	Protective effect of lycopene against cytokine-induced $\beta$ -cell apoptosis in INS-1 cells. <i>Journal of Nutrition and Health</i> , 2018, 51, 498.	0.2	0
748	The Autoantigenic Proinsulin B-Chain Peptide B11-23 Synergises with the 70 kDa Heat Shock Protein DnaK in Macrophage Stimulation. <i>Journal of Diabetes Research</i> , 2018, 2018, 1-8.	1.0	1
749	Emerging role of long noncoding RNAs and circular RNAs in pancreatic $\beta$ cells. <i>Non-coding RNA Investigation</i> , 2018, 2, 69-69.	0.6	6

#	ARTICLE	IF	CITATIONS
750	Puerarin promotes MIN6 cell survival by reducing cellular reactive oxygen species. <i>Molecular Medicine Reports</i> , 2018, 17, 7281-7286.	1.1	5
751	Evaluation of Different Decellularization Protocols on the Generation of Pancreas-Derived Hydrogels. <i>Tissue Engineering - Part C: Methods</i> , 2018, 24, 697-708.	1.1	60
752	The genetic variants of solute carrier family 11 member 2 gene and risk of developing type-2 diabetes. <i>Journal of Genetics</i> , 2018, 97, 1407-1412.	0.4	7
753	Investigation of post-translational modifications in type 2 diabetes. <i>Clinical Proteomics</i> , 2018, 15, 32.	1.1	24
754	Can GABA turn pancreatic $\beta$ -cells into $\delta$ -cells?. <i>Nature Reviews Endocrinology</i> , 2018, 14, 629-630.	4.3	10
755	Convergence of non-communicable diseases and tuberculosis: a two-way street?. <i>International Journal of Tuberculosis and Lung Disease</i> , 2018, 22, 1258-1268.	0.6	34
756	Inflammation-Induced Citrullinated Glucose-Regulated Protein 78 Elicits Immune Responses in Human Type 1 Diabetes. <i>Diabetes</i> , 2018, 67, 2337-2348.	0.3	56
757	Emerging Roles for Mesencephalic Astrocyte-Derived Neurotrophic Factor (MANF) in Pancreatic Beta Cells and Diabetes. <i>Frontiers in Physiology</i> , 2018, 9, 1457.	1.3	17
758	Fibroblast growth factor receptor 5 (FGFR5) is a co-receptor for FGFR1 that is up-regulated in beta-cells by cytokine-induced inflammation. <i>Journal of Biological Chemistry</i> , 2018, 293, 17218-17228.	1.6	32
759	Icariin prevents cytokine-induced $\beta$ -cell death by inhibiting NF- $\kappa$ B signaling. <i>Experimental and Therapeutic Medicine</i> , 2018, 16, 2756-2762.	0.8	7
760	Biomarkers in Islet Cell Transplantation for Type 1 Diabetes. <i>Current Diabetes Reports</i> , 2018, 18, 94.	1.7	11
761	Therapies to Suppress $\beta$ Cell Autoimmunity in Type 1 Diabetes. <i>Frontiers in Immunology</i> , 2018, 9, 1891.	2.2	24
762	Proteasomal degradation of the histone acetyl transferase p300 contributes to beta-cell injury in a diabetes environment. <i>Cell Death and Disease</i> , 2018, 9, 600.	2.7	16
763	Interferon-gamma drives programmed death-ligand 1 expression on islet $\beta$ cells to limit T cell function during autoimmune diabetes. <i>Scientific Reports</i> , 2018, 8, 8295.	1.6	100
764	The Role of Extracellular Adenosine Generation in the Development of Autoimmune Diseases. <i>Mediators of Inflammation</i> , 2018, 2018, 1-10.	1.4	38
765	Pancreatic Beta Cell Death: Novel Potential Mechanisms in Diabetes Therapy. <i>Journal of Diabetes Research</i> , 2018, 2018, 1-19.	1.0	117
766	Chronic palmitic acid-induced lipotoxicity correlates with defective trafficking of ATP sensitive potassium channels in pancreatic $\beta$ cells. <i>Journal of Nutritional Biochemistry</i> , 2018, 59, 37-48.	1.9	11
767	Effects of a Carob-Pod-Derived Sweetener on Glucose Metabolism. <i>Nutrients</i> , 2018, 10, 271.	1.7	19

#	ARTICLE	IF	CITATIONS
768	Regulation of CYP2J2 and EET Levels in Cardiac Disease and Diabetes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1916.	1.8	44
769	Identification and Analysis of Islet Antigen-Specific CD8+ T Cells with T Cell Libraries. <i>Journal of Immunology</i> , 2018, 201, 1662-1670.	0.4	19
770	LADA. <i>Endocrinology</i> , 2018, , 1-43.	0.1	0
771	Annatto-extracted tocotrienols improve glucose homeostasis and bone properties in high-fat diet-induced type 2 diabetic mice by decreasing the inflammatory response. <i>Scientific Reports</i> , 2018, 8, 11377.	1.6	25
772	Fatty Acid-Induced Lipotoxicity in Pancreatic Beta-Cells During Development of Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , 2018, 9, 384.	1.5	203
773	Mitochondria as target of endocrine-disrupting chemicals: implications for type 2 diabetes. <i>Journal of Endocrinology</i> , 2018, 239, R27-R45.	1.2	41
774	IRE1 Implications in Endoplasmic Reticulum Stress-Mediated Development and Pathogenesis of Autoimmune Diseases. <i>Frontiers in Immunology</i> , 2018, 9, 1289.	2.2	72
775	Endocrine Disrupting Chemicals Mediated through Binding Androgen Receptor Are Associated with Diabetes Mellitus. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 25.	1.2	18
776	Gelidium elegans Extract Ameliorates Type 2 Diabetes via Regulation of MAPK and PI3K/Akt Signaling. <i>Nutrients</i> , 2018, 10, 51.	1.7	39
777	Identification of a Panel of MiRNAs as Positive Regulators of Insulin Release in Pancreatic $\beta$ -Cells. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 185-193.	1.1	11
778	sFasL-mediated induction of neutrophil activation in patients with type 2 diabetes mellitus. <i>PLoS ONE</i> , 2018, 13, e0201087.	1.1	16
779	Correlation between heat shock proteins, adiponectin, and T lymphocyte cytokine expression in type 2 diabetics. <i>Cell Stress and Chaperones</i> , 2018, 23, 955-965.	1.2	17
780	Enhanced differentiation of human pluripotent stem cells into pancreatic progenitors co-expressing PDX1 and NKX6.1. <i>Stem Cell Research and Therapy</i> , 2018, 9, 15.	2.4	56
781	Inflammatory stress in islet $\beta$ -cells: therapeutic implications for type 2 diabetes?. <i>Current Opinion in Pharmacology</i> , 2018, 43, 40-45.	1.7	22
782	Islet protection and amelioration of type 2 diabetes mellitus by treatment with quercetin from the flowers of <i>Edgeworthia gardneri</i> . <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 955-966.	2.0	33
783	Temporal Proteomic Analysis of Pancreatic $\beta$ -Cells in Response to Lipotoxicity and Glucolipotoxicity. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 2119-2131.	2.5	25
784	The role of orexin in controlling the activity of the adipo-pancreatic axis. <i>Journal of Endocrinology</i> , 2018, 238, R95-R108.	1.2	17
785	Xiaokeping-induced autophagy protects pancreatic $\beta$ -cells against apoptosis under high glucose stress. <i>Biomedicine and Pharmacotherapy</i> , 2018, 105, 407-412.	2.5	6

#	ARTICLE	IF	CITATIONS
786	High-fat diet induced remission of diabetes in a subset of K ATP $\beta$ GOF insulin-secreting deficient mice. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 2574-2584.	2.2	7
787	Divergent antioxidant capacity of human islet cell subsets: A potential cause of beta-cell vulnerability in diabetes and islet transplantation. <i>PLoS ONE</i> , 2018, 13, e0196570.	1.1	68
788	A multi-method evaluation of the effects of Inflammatory cytokines (IL-1 $\beta$ , IFN- $\gamma$ , TNF- $\alpha$ ) on pancreatic $\beta$ -cells. <i>Journal of Cellular Physiology</i> , 2018, 233, 9375-9382.	2.0	12
789	Distinct neutrophil counts and functions in newly diagnosed type 1 diabetes, latent autoimmune diabetes in adults, and type 2 diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2019, 35, e3064.	1.7	47
790	Harnessing CXCL12 signaling to protect and preserve functional $\beta$ -cell mass and for cell replacement in type 1 diabetes. , 2019, 193, 63-74.		18
791	Paraoxonase-1 as a Regulator of Glucose and Lipid Homeostasis: Impact on the Onset and Progression of Metabolic Disorders. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4049.	1.8	59
792	Boswellic extracts and 11-keto- $\Delta^9$ -boswellic acids prevent type 1 and type 2 diabetes mellitus by suppressing the expression of proinflammatory cytokines. <i>Phytomedicine</i> , 2019, 63, 153002.	2.3	35
793	MicroRNA-18 promotes apoptosis of islet $\beta$ -cells via targeting NAV1. <i>Experimental and Therapeutic Medicine</i> , 2019, 18, 389-396.	0.8	8
794	A new series of Schiff base derivatives bearing 1,2,3-triazole: Design, synthesis, molecular docking, and $\alpha$ -glucosidase inhibition. <i>Archiv Der Pharmazie</i> , 2019, 352, e1900034.	2.1	25
795	The Lysine Demethylase KDM5B Regulates Islet Function and Glucose Homeostasis. <i>Journal of Diabetes Research</i> , 2019, 2019, 1-15.	1.0	15
796	Beta-cell dysfunction induced by non-cytotoxic concentrations of Interleukin-1 $\beta$ is associated with changes in expression of beta-cell maturity genes and associated histone modifications. <i>Molecular and Cellular Endocrinology</i> , 2019, 496, 110524.	1.6	18
797	Non-alcoholic Fatty Liver in the Pathogenesis of Diabetes. , 2019, , 227-235.		0
798	Down-regulation of the islet-specific zinc transporter-8 (ZnT8) protects human insulinoma cells against inflammatory stress. <i>Journal of Biological Chemistry</i> , 2019, 294, 16992-17006.	1.6	16
799	Epoxyeicosatrienoic acids protect pancreatic beta cells against pro-inflammatory cytokine toxicity. <i>Biochemical and Biophysical Research Communications</i> , 2019, 520, 231-236.	1.0	4
800	Function of Nr4a Orphan Nuclear Receptors in Proliferation, Apoptosis and Fuel Utilization Across Tissues. <i>Cells</i> , 2019, 8, 1373.	1.8	87
801	Hibiscus sabdariffa renews pancreatic $\beta$ -cells in experimental type 1 diabetic model rats. <i>Morphologie</i> , 2019, 103, 80-93.	0.5	14
802	Integrated analysis of gene modulation profile identifies pathogenic factors and pathways in the liver of diabetic mice. <i>Journal of Diabetes and Metabolic Disorders</i> , 2019, 18, 471-485.	0.8	1
803	The Protective Role of Calbindin-D9k on Endoplasmic Reticulum Stress-Induced Beta Cell Death. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5317.	1.8	1

#	ARTICLE	IF	CITATIONS
804	Synthesis and kinetics studies of $\alpha$ -(2-(3,5-disubstituted-1H-1,2,4-triazol-4-yl)acetyl)- $\beta$ -substituted- $\alpha$ -oxo- $\beta$ -hydroxy- $\gamma$ -chromones derivatives as potent antidiabetic agents. <i>Archiv Der Pharmazie</i> , 2019, 352, e1900227.		
805	Flavonoids and Their Anti-Diabetic Effects: Cellular Mechanisms and Effects to Improve Blood Sugar Levels. <i>Biomolecules</i> , 2019, 9, 430.	1.8	320
806	Hesperidin ameliorates pancreatic $\beta$ -cell dysfunction and apoptosis in streptozotocin-induced diabetic rat model. <i>Life Sciences</i> , 2019, 235, 116858.	2.0	47
807	Phlda3 regulates beta cell survival during stress. <i>Scientific Reports</i> , 2019, 9, 12827.	1.6	16
808	DPP-4 inhibitor (sitagliptin)-induced seronegative rheumatoid arthritis. <i>BMJ Case Reports</i> , 2019, 12, e228981.	0.2	11
809	Dimorphic autoantigenic and protective effects of Reg2 peptide in the treatment of diabetic $\beta$ -cell loss. <i>Diabetes, Obesity and Metabolism</i> , 2019, 21, 1209-1222.	2.2	8
810	Modulation of Autophagy Influences the Function and Survival of Human Pancreatic Beta Cells Under Endoplasmic Reticulum Stress Conditions and in Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , 2019, 10, 52.	1.5	67
811	Oral administration of Angelica sinensis polysaccharide protects against pancreatic islets failure in type 2 diabetic mice: Pancreatic $\beta$ -cell apoptosis inhibition. <i>Journal of Functional Foods</i> , 2019, 54, 361-370.	1.6	29
812	Pharmacological inhibition of TLR4/NF- $\kappa$ B with TLR4-IN-34 attenuated microcystin-leucine arginine toxicity in bovine Sertoli cells. <i>Journal of Applied Toxicology</i> , 2019, 39, 832-843.	1.4	11
813	&lt;p&gt;Vitamin D receptor rs7975232, rs731236 and rs1544410 single nucleotide polymorphisms, and 25-hydroxyvitamin D levels in Egyptian children with type 1 diabetes mellitus: effect of vitamin D co-therapy&lt;/p&gt;. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2019, Volume 12, 703-716.	1.1	23
814	Prolonged Prepregnant Maternal High-Fat Feeding Reduces Fetal and Neonatal Blood Glucose Concentrations by Enhancing Fetal $\beta$ -cell Development in C57BL/6 Mice. <i>Diabetes</i> , 2019, 68, db181308.	0.3	12
815	Shared Pathological Mechanisms Between Diabetes Mellitus and Neurodegenerative Diseases. <i>Current Pharmacology Reports</i> , 2019, 5, 219-231.	1.5	9
816	Facile preparation of peroxidase-like core-shell nanorods and application as platform for colorimetric determination of glucose, insulin and glucose/insulin ratio. <i>Talanta</i> , 2019, 204, 285-293.	2.9	15
817	Defective endoplasmic reticulum export causes proinsulin misfolding in pancreatic $\beta$ cells. <i>Molecular and Cellular Endocrinology</i> , 2019, 493, 110470.	1.6	15
818	The Bile Acid TUDCA Improves Beta-Cell Mass and Reduces Insulin Degradation in Mice With Early-Stage of Type-1 Diabetes. <i>Frontiers in Physiology</i> , 2019, 10, 561.	1.3	29
819	Risk factors for diabetic kidney disease in adults with longstanding type 1 diabetes: results from the Canadian Study of Longevity in Diabetes. <i>Renal Failure</i> , 2019, 41, 427-433.	0.8	4
820	The role of membrane excitability in pancreatic $\beta$ -cell glucotoxicity. <i>Scientific Reports</i> , 2019, 9, 6952.	1.6	16
821	Molecular and cellular bases of diabetes: Focus on type 2 diabetes mouse model-TallyHo. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 2276-2284.	1.8	22

#	ARTICLE	IF	CITATIONS
822	Contributions of Mitochondrial Dysfunction to $\beta$ Cell Failure in Diabetes Mellitus. , 2019, , 217-243.		2
823	The Association between Depression and Type 1 Diabetes Mellitus: Inflammatory Cytokines as Ferrymen in between?. Mediators of Inflammation, 2019, 2019, 1-11.	1.4	15
824	A systematic review and meta-analysis on the efficacy and safety of traditional Chinese patent medicine Jinqi Jiangtang Tablet in the treatment of type 2 diabetes. Complementary Therapies in Medicine, 2019, 47, 102021.	1.3	8
825	Paeoniflorin protects pancreatic $\beta$ cells from STZ-induced damage through inhibition of the p38 MAPK and JNK signaling pathways. European Journal of Pharmacology, 2019, 853, 18-24.	1.7	31
826	Potential Cellular and Biochemical Mechanisms of Exercise and Physical Activity on the Ageing Process. Sub-Cellular Biochemistry, 2019, 91, 311-338.	1.0	9
827	Nitration of hIAPP promotes its toxic oligomer formation and exacerbates its toxicity towards INS-1 $\beta$ cells. Nitric Oxide - Biology and Chemistry, 2019, 87, 23-30.	1.2	15
829	Liposomal Curcumin is Better than Curcumin to Alleviate Complications in Experimental Diabetic Mellitus. Molecules, 2019, 24, 846.	1.7	44
830	Understanding the potential contribution of a third $\beta$ to FITT exercise prescription: the case of timing in exercise for obesity and cardiometabolic management in children. Applied Physiology, Nutrition and Metabolism, 2019, 44, 911-914.	0.9	14
831	Boolean network modeling of $\beta$ -cell apoptosis and insulin resistance in type 2 diabetes mellitus. BMC Systems Biology, 2019, 13, 36.	3.0	12
832	Antidiabetic effect of aqueous extract of ripe Carica papaya Linnaeus seed in alloxan-induced diabetic albino rats. Journal of Diabetes and Endocrinology, 2019, 10, 13-17.	0.5	3
833	MicroRNA-181c Inhibits Interleukin-6-mediated Beta Cell Apoptosis by Targeting TNF- $\alpha$ Expression. Molecules, 2019, 24, 1410.	1.7	13
834	NLRP3 inflammasome mediates angiotensin II-induced islet $\beta$ cell apoptosis. Acta Biochimica Et Biophysica Sinica, 2019, 51, 501-508.	0.9	15
835	Discovery of 5-(3,4-Difluorophenyl)-3-(pyrazol-4-yl)-7-azaindole (GNF3809) for $\beta$ -Cell Survival in Type 1 Diabetes. ACS Omega, 2019, 4, 3571-3581.	1.6	10
836	IPP-1 controls Akt/CREB phosphorylation extension in A2a adenosine receptor signaling cascade in MIN6 pancreatic $\beta$ -cell line. European Journal of Pharmacology, 2019, 850, 88-96.	1.7	5
837	CD36 dependent redoxosomes promotes ceramide-mediated pancreatic $\beta$ -cell failure via p66Shc activation. Free Radical Biology and Medicine, 2019, 134, 505-515.	1.3	16
838	Dietary Short Chain Fatty Acids: How the Gut Microbiota Fight Against Autoimmune and Inflammatory Diseases. , 2019, , 139-159.		5
839	Upregulation of caveolin-1 and its colocalization with cytokine receptors contributes to beta cell apoptosis. Scientific Reports, 2019, 9, 16785.	1.6	30
841	Noninvasive Evaluation of GPR119 Agonist Effects on $\beta$ -Cell Mass in Diabetic Male Mice Using <sup>111</sup> In-Exendin-4 SPECT/CT. Endocrinology, 2019, 160, 2959-2968.	1.4	17

#	ARTICLE	IF	CITATIONS
842	Influence of hyperproteinemia on reproductive development in an invertebrate model. <i>International Journal of Biological Sciences</i> , 2019, 15, 2170-2181.	2.6	6
843	Adaptation to oxidative stress at cellular and tissue level. <i>Archives of Physiology and Biochemistry</i> , 2022, 128, 521-531.	1.0	18
844	&lt;p&gt;Comparative Effect Of Curcumin Versus Liposomal Curcumin On Systemic Pro-Inflammatory Cytokines Profile, MCP-1 And RANTES In Experimental Diabetes Mellitus&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 8961-8972.	3.3	31
845	&lt;p&gt;A Network Pharmacology-Based Strategy For Predicting Active Ingredients And Potential Targets Of LiuWei DiHuang Pill In Treating Type 2 Diabetes Mellitus&lt;/p&gt;. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 3989-4005.	2.0	77
846	Differential proteomic profiling identifies novel molecular targets of pterostilbene against experimental diabetes. <i>Journal of Cellular Physiology</i> , 2019, 234, 1996-2012.	2.0	12
847	Creation of versatile cloning platforms for transgene expression and dCas9-based epigenome editing. <i>Nucleic Acids Research</i> , 2019, 47, e23-e23.	6.5	27
848	A2a adenosine receptor agonist improves <b>endoplasmic reticulum stress in MIN6 cell line through protein kinase A/ protein kinase B/ Cyclic adenosine monophosphate response elementâ€binding protein/ and Growth Arrest And DNAâ€Damageâ€Inducible 34/ eukaryotic Initiation Factor 2Î± pathways</b>. <i>Journal of Cellular Physiology</i> , 2019, 234, 10500-10511.	2.0	15
849	Emerging role of 12/15-Lipoxygenase (ALOX15) in human pathologies. <i>Progress in Lipid Research</i> , 2019, 73, 28-45.	5.3	187
850	The role of Coxâ€2 and prostaglandin E <sub>2</sub> receptor EP3 in pancreatic Î²â€cell death. <i>FASEB Journal</i> , 2019, 33, 4975-4986.	0.2	18
851	Proinsulin Secretion Is a Persistent Feature of Type 1 Diabetes. <i>Diabetes Care</i> , 2019, 42, 258-264.	4.3	82
852	The role of flavonoids in autoimmune diseases: Therapeutic updates. , 2019, 194, 107-131.		113
853	Endocrine, nutritional, and metabolic diseases. , 2020, , 121-218.		1
854	A novel <i>Gymnema sylvestre</i> extract protects pancreatic betaâ€cells from cytokineâ€induced apoptosis. <i>Phytotherapy Research</i> , 2020, 34, 161-172.	2.8	9
855	Autoimmune (Type 1) Diabetes. , 2020, , 769-787.		4
856	Probiotic mediated NF-Î³B regulation for prospective management of type 2 diabetes. <i>Molecular Biology Reports</i> , 2020, 47, 2301-2313.	1.0	24
857	Imaging NFâ€B activity in a murine model of early stage diabetes. <i>FASEB Journal</i> , 2020, 34, 1198-1210.	0.2	4
858	Modulation of adiponectin receptors AdipoR1 and AdipoR2 by phage display-derived peptides in inÂvitro and inÂvivo models. <i>Journal of Drug Targeting</i> , 2020, 28, 831-851.	2.1	1
859	Advances in GLP-1 receptor targeting radiolabeled agent development and prospective of theranostics. <i>Theranostics</i> , 2020, 10, 437-461.	4.6	29



#	ARTICLE	IF	CITATIONS
860	From immunohistological to anatomical alterations of human pancreas in type 1 diabetes: New concepts on the stage. <i>Diabetes/Metabolism Research and Reviews</i> , 2020, 36, e3264.	1.7	20
861	The Endoplasmic Reticulum and Calcium Homeostasis in Pancreatic Beta Cells. <i>Endocrinology</i> , 2020, 161, .	1.4	55
862	Diet as a therapeutic approach to diabetes management and pancreas regeneration. , 2020, , 215-227.		0
863	Role of cytochrome P450-derived, polyunsaturated fatty acid mediators in diabetes and the metabolic syndrome. <i>Prostaglandins and Other Lipid Mediators</i> , 2020, 148, 106407.	1.0	27
864	Reprint of: Recent Updates on Obesity Treatments: Available Drugs and Future Directions. <i>Neuroscience</i> , 2020, 447, 191-215.	1.1	11
865	ERAD deficiency promotes mitochondrial dysfunction and transcriptional rewiring in human hepatic cells. <i>Journal of Biological Chemistry</i> , 2020, 295, 16743-16753.	1.6	11
866	Circular RNA<i> circPPM1F</i> modulates M1 macrophage activation and pancreatic islet inflammation in type 1 diabetes mellitus. <i>Theranostics</i> , 2020, 10, 10908-10924.	4.6	100
867	Beneficial Effects of Physical Activity in Diabetic Patients. <i>Journal of Functional Morphology and Kinesiology</i> , 2020, 5, 70.	1.1	43
868	Human T Cells Expressing a CD19 CAR-T Receptor Provide Insights into Mechanisms of Human CD19-Positive $\hat{1}^2$ Cell Destruction. <i>Cell Reports Medicine</i> , 2020, 1, 100097.	3.3	16
869	In vitro model using cytokine cocktail to evaluate apoptosis in Min6 pancreatic beta cells. <i>Journal of Pharmacological and Toxicological Methods</i> , 2020, 106, 106914.	0.3	3
870	Screening active components from <i>Rubus amabilis</i> for pancreatic $\hat{1}^2$ -cells protection. <i>Pharmaceutical Biology</i> , 2020, 58, 674-685.	1.3	4
871	Tectorigenin enhances PDX1 expression and protects pancreatic $\hat{1}^2$ -cells by activating ERK and reducing ER stress. <i>Journal of Biological Chemistry</i> , 2020, 295, 12975-12992.	1.6	21
872	Protection of leukemia inhibitory factor against high-glucose-induced human retinal endothelial cell dysfunction. <i>Archives of Physiology and Biochemistry</i> , 2020, , 1-8.	1.0	6
873	Highly Efficient Differentiation of Human Pluripotent Stem Cells into Pancreatic Progenitors Co-expressing PDX1 and NKX6.1. <i>Methods in Molecular Biology</i> , 2020, , 1.	0.4	2
874	Ginsenosides for the treatment of metabolic syndrome and cardiovascular diseases: Pharmacology and mechanisms. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110915.	2.5	86
875	Pathogenesis and remission of type 2 diabetes: what has the twin cycle hypothesis taught us?. <i>Cardiovascular Endocrinology and Metabolism</i> , 2020, 9, 132-142.	0.5	15
876	Inhibition of oxidative metabolism by nitric oxide restricts EMCV replication selectively in pancreatic beta-cells. <i>Journal of Biological Chemistry</i> , 2020, 295, 18189-18198.	1.6	7
877	Persistent or Transient Human $\hat{1}^2$ Cell Dysfunction Induced by Metabolic Stress: Specific Signatures and Shared Gene Expression with Type 2 Diabetes. <i>Cell Reports</i> , 2020, 33, 108466.	2.9	65

#	ARTICLE	IF	CITATIONS
878	Role of Phosphodiesterase in the Biology and Pathology of Diabetes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8244.	1.8	18
879	Immunometabolism and autoimmunity. <i>Current Opinion in Immunology</i> , 2020, 67, 10-17.	2.4	13
880	Î <sup>2</sup> -Cell specific transcription factors in the context of diabetes mellitus and Î <sup>2</sup> -cell regeneration. <i>Mechanisms of Development</i> , 2020, 163, 103634.	1.7	15
881	Tropisetron attenuates pancreas apoptosis in the STZ-induced diabetic rats: involvement of SIRT1/NF-Î <sup>2</sup> B signaling. <i>Pharmacological Reports</i> , 2020, 72, 1657-1665.	1.5	10
882	Polyvalent therapeutic vaccine for type 2 diabetes mellitus: Immunoinformatics approach to study co-stimulation of cytokines and GLUT1 receptors. <i>BMC Molecular and Cell Biology</i> , 2020, 21, 56.	1.0	1
883	Inhibition of miR-153, an IL-1Î <sup>2</sup> -responsive miRNA, prevents beta cell failure and inflammation-associated diabetes. <i>Metabolism: Clinical and Experimental</i> , 2020, 111, 154335.	1.5	15
884	Maternal exposure to Di-n-butyl phthalate (DBP) aggravate gestational diabetes mellitus via FoxM1 suppression by pSTAT1 signalling. <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111154.	2.9	18
885	Redox homeostasis and cell cycle activation mediate beta-cell mass expansion in aged, diabetes-prone mice under metabolic stress conditions: Role of thioredoxin-interacting protein (TXNIP). <i>Redox Biology</i> , 2020, 37, 101748.	3.9	4
886	Modulations of genes related to gut integrity, apoptosis, and immunity underlie the beneficial effects of <i>Bacillus amyloliquefaciens</i> CECT 5940 in broilers fed diets with different protein levels in a necrotic enteritis challenge model. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 104.	2.1	25
887	Macrophages in diabetes mellitus (DM) and COVID-19: do they trigger DM?. <i>Journal of Diabetes and Metabolic Disorders</i> , 2020, 19, 2045-2048.	0.8	7
888	Macrophages in the pancreas: Villains by circumstances, not necessarily by actions. <i>Immunity, Inflammation and Disease</i> , 2020, 8, 807-824.	1.3	15
889	TonEBP Promotes Î <sup>2</sup> -Cell Survival under ER Stress by Enhancing Autophagy. <i>Cells</i> , 2020, 9, 1928.	1.8	3
890	Curcumin induces regeneration of Î <sup>2</sup> cells and suppression of phosphorylated-NF-Î <sup>2</sup> B in streptozotocin-induced diabetic mice. <i>Journal of Basic and Applied Zoology</i> , 2020, 81, .	0.4	7
891	Molecular Footprints of the Immune Assault on Pancreatic Beta Cells in Type 1 Diabetes. <i>Frontiers in Endocrinology</i> , 2020, 11, 568446.	1.5	19
892	Plant polyphenols mechanisms of action on insulin resistance and against the loss of pancreatic beta cells. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 325-352.	5.4	30
893	Bitter gourd ( <i>Momordica charantia</i> ) as an emerging therapeutic agent: Modulating metabolic regulation and cell signaling cascade. <i>Studies in Natural Products Chemistry</i> , 2020, 67, 221-268.	0.8	6
894	Facile synthesis of insulin fusion derivatives through sortase A ligation. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 2719-2725.	5.7	8
895	Swimming training attenuates pancreatic apoptosis through miR-34a/Sirtu in1/P53 Axis in high-fat diet and Streptozotocin-induced Type-2 diabetic rats. <i>Journal of Diabetes and Metabolic Disorders</i> , 2020, 19, 1439-1446.	0.8	10

#	ARTICLE	IF	CITATIONS
896	Recent Updates on Obesity Treatments: Available Drugs and Future Directions. <i>Neuroscience</i> , 2020, 437, 215-239.	1.1	46
897	Jiaogulan tea ( <i>Gpostemma pentaphyllum</i> ) potentiates the antidiabetic effect of white tea via the AMPK and PI3K pathways in C57BL/6 mice. <i>Food and Function</i> , 2020, 11, 4339-4355.	2.1	32
898	A direct look at the dysfunction and pathology of the $\beta$ cells in human type 2 diabetes. <i>Seminars in Cell and Developmental Biology</i> , 2020, 103, 83-93.	2.3	28
899	Genetic predisposition in type 2 diabetes: A promising approach toward a personalized management of diabetes. <i>Clinical Genetics</i> , 2020, 98, 525-547.	1.0	33
900	Pancreatic $\beta$ -cells in type 1 and type 2 diabetes mellitus: different pathways to failure. <i>Nature Reviews Endocrinology</i> , 2020, 16, 349-362.	4.3	426
901	Effects of a Red Orange and Lemon Extract in Obese Diabetic Zucker Rats: Role of Nicotinamide Adenine Dinucleotide Phosphate Oxidase. <i>Journal of Clinical Medicine</i> , 2020, 9, 1600.	1.0	6
902	Sanguuayin preparation prevents palmitate-induced apoptosis by suppressing endoplasmic reticulum stress and autophagy in db/db mice and MIN6 pancreatic $\beta$ -cells. <i>Chinese Journal of Natural Medicines</i> , 2020, 18, 472-480.	0.7	5
903	Prevention of Oxidative Stress-Induced Pancreatic Beta Cell Damage by <i>Broussonetia kazinoki</i> Siebold Fruit Extract via the ERK-Nox4 Pathway. <i>Antioxidants</i> , 2020, 9, 406.	2.2	13
904	The Role of Interleukin-1 $\beta$ in Destruction of Transplanted Islets. <i>Cell Transplantation</i> , 2020, 29, 096368972093441.	1.2	7
905	Eicosanoids and Oxidative Stress in Diabetic Retinopathy. <i>Antioxidants</i> , 2020, 9, 520.	2.2	37
906	<i>Costus pictus</i> D. Don leaf extract stimulates GLP-1 secretion from GLUTag L-cells and has cytoprotective effects in BRIN-BD11 $\beta$ -cells. <i>Journal of Ethnopharmacology</i> , 2020, 260, 112970.	2.0	7
907	Combination therapy with anti-CD20 mAb and IL-10 gene to reverse type 1 diabetes by attenuating pancreatitis and inhibiting apoptosis in NOD mice. <i>Life Sciences</i> , 2020, 256, 117985.	2.0	5
908	Animal Models of Diabetes. <i>Methods in Molecular Biology</i> , 2020, , .	0.4	3
909	Expression of JAK3, STAT2, STAT4, and STAT6 in pemphigus vulgaris. <i>Immunologic Research</i> , 2020, 68, 97-103.	1.3	3
911	Improving effect of combined inorganic nitrate and nitric oxide synthase inhibitor on pancreatic oxidative stress and impaired insulin secretion in streptozotocin induced-diabetic rats. <i>Journal of Diabetes and Metabolic Disorders</i> , 2020, 19, 353-362.	0.8	2
912	Obesity and ageing: Two sides of the same coin. <i>Obesity Reviews</i> , 2020, 21, e12991.	3.1	105
913	L-Carnitine different doses affect serum and pancreas tissue Antioxidative defense and histopathology in STZ-induced diabetic rats. <i>Biologia (Poland)</i> , 2020, 75, 1415-1423.	0.8	7
914	Butyrate Ameliorates Antibiotic-Driven Type 1 Diabetes in the Female Offspring of Nonobese Diabetic Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 3112-3120.	2.4	13

#	ARTICLE	IF	CITATIONS
915	Lipidomics Analysis of Timosaponin BII in INS-1 Cells Induced by Glycolipid Toxicity and Its Relationship with Inflammation. <i>Chemistry and Biodiversity</i> , 2020, 17, e1900684.	1.0	6
916	Wolfram syndrome 1 gene regulates pathways maintaining beta-cell health and survival. <i>Laboratory Investigation</i> , 2020, 100, 849-862.	1.7	34
917	Polysaccharides from <i>Opuntia milpa alta</i> alleviate alloxan-induced INS-1 cells apoptosis via reducing oxidative stress and upregulating Nrf2 expression. <i>Nutrition Research</i> , 2020, 77, 108-118.	1.3	21
918	HDL inhibits endoplasmic reticulum stress-induced apoptosis of pancreatic $\beta^2$ -cells in vitro by activation of Smoothed. <i>Journal of Lipid Research</i> , 2020, 61, 492-504.	2.0	32
919	Mechanisms and Characteristics of Sulfonylureas and Glinides. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 37-56.	1.0	53
920	Individual differences in impulsivity and need for cognition as potential risk or resilience factors of diabetes self-management and glycemic control. <i>PLoS ONE</i> , 2020, 15, e0227995.	1.1	14
921	Stem Cell Therapy for Diabetes: Beta Cells versus Pancreatic Progenitors. <i>Cells</i> , 2020, 9, 283.	1.8	62
922	Role of Estrogen in Type 1 and Type 2 Diabetes Mellitus: A Review of Clinical and Preclinical Data. <i>Canadian Journal of Diabetes</i> , 2020, 44, 448-452.	0.4	29
923	Tropisetron improves pancreas function and increases insulin synthesis and secretion in the STZ-induced diabetic rats: involvement of UCP2/ZnT8 pathway. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 1082-1091.	1.2	9
924	PKR inhibitors suppress endoplasmic reticulum stress and subdue glucolipotoxicity-mediated impairment of insulin secretion in pancreatic beta cells. <i>Turkish Journal of Biology</i> , 2020, 44, 93-102.	2.1	14
925	Can insulin secreting pancreatic $\beta^2$ -cells provide novel insights into the metabolic regulation of the DNA damage response?. <i>Biochemical Pharmacology</i> , 2020, 176, 113907.	2.0	6
926	Republished: DPP-4 inhibitor (sitagliptin)-induced seronegative rheumatoid arthritis. <i>Drug and Therapeutics Bulletin</i> , 2020, 58, 12-15.	0.3	6
927	Engineered Biomaterials for Enhanced Function of Insulin-Secreting $\beta^2$ -Cell Organoids. <i>Advanced Functional Materials</i> , 2020, 30, 2000134.	7.8	16
928	Triglyceride to HDL-cholesterol ratio and the incidence risk of type 2 diabetes in community dwelling adults: A longitudinal 12-year analysis of the Korean Genome and Epidemiology Study. <i>Diabetes Research and Clinical Practice</i> , 2020, 163, 108150.	1.1	30
929	Lipotoxicity and Diabetic Nephropathy: Novel Mechanistic Insights and Therapeutic Opportunities. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2632.	1.8	159
930	Inflammation and central adiposity as mediators of depression and uncontrolled diabetes in the study on global AGEing and adult health (SAGE). <i>American Journal of Human Biology</i> , 2020, 32, e23413.	0.8	8
931	Root Canal Treatment and Apical Periodontitis in a Brazilian Population with Type 1 Diabetes Mellitus: A Cross-sectional Paired Study. <i>Journal of Endodontics</i> , 2020, 46, 756-762.	1.4	10
932	HDL and pancreatic $\beta^2$ cells: a SMO-king gun?. <i>Journal of Lipid Research</i> , 2020, 61, 468-469.	2.0	2

#	ARTICLE	IF	CITATIONS
933	Pancreas Pathology of Latent Autoimmune Diabetes in Adults (LADA) in Patients and in a LADA Rat Model Compared With Type 1 Diabetes. <i>Diabetes</i> , 2020, 69, 624-633.	0.3	31
934	Transient NADPH oxidase 2-dependent H <sub>2</sub> O <sub>2</sub> production drives early palmitate-induced lipotoxicity in pancreatic islets. <i>Free Radical Biology and Medicine</i> , 2021, 162, 1-13.	1.3	18
935	The impact of chemical engineering and technological advances on managing diabetes: present and future concepts. <i>Chemical Society Reviews</i> , 2021, 50, 2102-2146.	18.7	28
936	Implicating the effect of ketogenic diet as a preventive measure to obesity and diabetes mellitus. <i>Life Sciences</i> , 2021, 264, 118661.	2.0	79
937	IL-17A is involved in diabetic inflammatory pathogenesis by its receptor IL-17RA. <i>Experimental Biology and Medicine</i> , 2021, 246, 57-65.	1.1	18
938	Expression of immunoreactive inducible nitric oxide synthase in pancreatic islet cells from newly diagnosed and long-term type 1 diabetic donors is heterogeneous and not disease-associated. <i>Cell and Tissue Research</i> , 2021, 384, 655-674.	1.5	2
939	Early-life fingolimod treatment improves intestinal homeostasis and pancreatic immune tolerance in non-obese diabetic mice. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 1620-1629.	2.8	8
940	Molecular mechanisms of lipotoxicity-induced pancreatic $\beta$ -cell dysfunction. <i>International Review of Cell and Molecular Biology</i> , 2021, 359, 357-402.	1.6	28
941	Nitrogenous Compounds from Plant Origin in Management of Diabetes Mellitus. , 2021, , 235-249.		0
942	Type I interferons as key players in pancreatic $\beta$ -cell dysfunction in type 1 diabetes. <i>International Review of Cell and Molecular Biology</i> , 2021, 359, 1-80.	1.6	19
944	5-Bromoprotocatechualdehyde Combats against Palmitate Toxicity by Inhibiting Parkin Degradation and Reducing ROS-Induced Mitochondrial Damage in Pancreatic $\beta$ -Cells. <i>Antioxidants</i> , 2021, 10, 264.	2.2	3
946	Evolving Antibody Therapies for the Treatment of Type 1 Diabetes. <i>Frontiers in Immunology</i> , 2020, 11, 624568.	2.2	11
947	Obstructive sleep apnoea increases lipolysis and deteriorates glucose homeostasis in patients with type 2 diabetes mellitus. <i>Scientific Reports</i> , 2021, 11, 3567.	1.6	9
948	Lipotoxic Impairment of Mitochondrial Function in $\beta$ -Cells: A Review. <i>Antioxidants</i> , 2021, 10, 293.	2.2	16
949	NLRP3 Inflammasome at the Interface of Inflammation, Endothelial Dysfunction, and Type 2 Diabetes. <i>Cells</i> , 2021, 10, 314.	1.8	59
950	Understanding the molecular mechanisms and role of autophagy in obesity. <i>Molecular Biology Reports</i> , 2021, 48, 2881-2895.	1.0	7
951	Toxicity Induced by Cytokines, Glucose, and Lipids Increase Apoptosis and Hamper Insulin Secretion in the 1.1E7 Beta Cell-Line. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2559.	1.8	5
952	Protective effect of fermented <i>Diospyros lotus</i> L. extracts against the high glucose-induced apoptosis of MIN6 cells. <i>Journal of Food Biochemistry</i> , 2021, 45, e13685.	1.2	3

#	ARTICLE	IF	CITATIONS
953	C-Peptide as a Therapy for Type 1 Diabetes Mellitus. <i>Biomedicines</i> , 2021, 9, 270.	1.4	20
954	Grape seed proanthocyanidin extract suppresses oxidative stress in the rat pancreas of type-1 diabetes. <i>Archives of Physiology and Biochemistry</i> , 2021, , 1-13.	1.0	4
955	Rapid Point-of-Care Test for Determination of C-Peptide Levels. <i>Journal of Diabetes Science and Technology</i> , 2021, , 193229682199555.	1.3	1
956	Autoantibody against angiotensin II type I receptor induces pancreatic $\beta$ -cell apoptosis via enhancing autophagy. <i>Acta Biochimica Et Biophysica Sinica</i> , 2021, 53, 784-795.	0.9	3
957	Resistance exercise training improves glucose homeostasis by enhancing insulin secretion in C57BL/6 mice. <i>Scientific Reports</i> , 2021, 11, 8574.	1.6	12
958	Melatonin and prolonged physical activity attenuated the detrimental effects of diabetic condition on murine cardiac tissue. <i>Tissue and Cell</i> , 2021, 69, 101486.	1.0	8
959	A Review on Cellular and Molecular Mechanisms Linked to the Development of Diabetes Complications. <i>Current Diabetes Reviews</i> , 2021, 17, 457-473.	0.6	18
960	Regulation of Pancreatic $\beta$ -Cell Function by the NPY System. <i>Endocrinology</i> , 2021, 162, .	1.4	10
961	Short-Term Calorie Restriction Maintains Plasma Insulin Concentrations along with a Reduction in Hepatic Insulin-Degrading Enzyme Levels in db/db Mice. <i>Nutrients</i> , 2021, 13, 1190.	1.7	6
962	Comparative effects of metformin and glibenclamide on the redox balance in type 2 diabetic patients. <i>Pharmacia</i> , 2021, 68, 327-332.	0.4	7
963	Gold Nanoparticle-Bioconjugated Aminoguanidine Inhibits Glycation Reaction: An In Vivo Study in a Diabetic Animal Model. <i>BioMed Research International</i> , 2021, 2021, 1-10.	0.9	8
964	The influence on oxidative stress markers, inflammatory factors and intestinal injury-related molecules in Wuhui pigeon induced by lipopolysaccharide. <i>PLoS ONE</i> , 2021, 16, e0251462.	1.1	4
965	Protective effects of calorie restriction on insulin resistance and islet function in STZ-induced type 2 diabetes rats. <i>Nutrition and Metabolism</i> , 2021, 18, 48.	1.3	10
966	Lower threshold to NF $\kappa$ B activity sensitizes murine $\beta$ -cells to streptozotocin. <i>Journal of Endocrinology</i> , 2021, 249, 163-175.	1.2	2
967	Heparan sulfate proteoglycans in beta cells provide a critical link between endoplasmic reticulum stress, oxidative stress and type 2 diabetes. <i>PLoS ONE</i> , 2021, 16, e0252607.	1.1	9
968	Innate immunity in latent autoimmune diabetes in adults. <i>Diabetes/Metabolism Research and Reviews</i> , 2022, 38, e3480.	1.7	7
969	NADPH Oxidase (NOX) Targeting in Diabetes: A Special Emphasis on Pancreatic $\beta$ -Cell Dysfunction. <i>Cells</i> , 2021, 10, 1573.	1.8	20
970	SNAPIN Regulates Cell Cycle Progression to Promote Pancreatic $\beta$ Cell Growth. <i>Frontiers in Endocrinology</i> , 2021, 12, 624309.	1.5	4

#	ARTICLE	IF	CITATIONS
971	The central role of glutathione peroxidase 4 in the regulation of ferroptosis and its implications for pro-inflammatory cytokine-mediated beta-cell death. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166114.	1.8	54
972	HL-7 and HL-10 Peptides Stimulate Insulin Secretion in the INS-1 Insulinoma Cell Line through Incretin-Dependent Pathway and Increasing the Glucose Uptake in L6 Myoblast. <i>International Journal of Peptide Research and Therapeutics</i> , 0, , 1.	0.9	3
973	The critical roles of histone deacetylase 3 in the pathogenesis of solid organ injury. <i>Cell Death and Disease</i> , 2021, 12, 734.	2.7	19
974	CD36 Signal Transduction in Metabolic Diseases: Novel Insights and Therapeutic Targeting. <i>Cells</i> , 2021, 10, 1833.	1.8	19
975	Peroxisome Deficiency Dysregulates Fatty Acid Oxidization and Exacerbates Lipotoxicity in $\beta^2$ Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-15.	1.9	4
976	A Review of Current Trends with Type 2 Diabetes Epidemiology, Aetiology, Pathogenesis, Treatments and Future Perspectives. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 3567-3602.	1.1	146
977	Design, synthesis, and $\alpha$ -glucosidase-inhibitory activity of phenoxy-biscoumarin-phenylacetamide hybrids. <i>Archiv Der Pharmazie</i> , 2021, 354, e2100179.	2.1	10
978	HSPB1 Is Essential for Inducing Resistance to Proteotoxic Stress in Beta-Cells. <i>Cells</i> , 2021, 10, 2178.	1.8	5
979	TCF19 Impacts a Network of Inflammatory and DNA Damage Response Genes in the Pancreatic $\beta^2$ -Cell. <i>Metabolites</i> , 2021, 11, 513.	1.3	6
980	Tet2 Controls the Responses of $\beta^2$ cells to Inflammation in Autoimmune Diabetes. <i>Nature Communications</i> , 2021, 12, 5074.	5.8	11
981	Early Cytokine-Induced Transient NOX2 Activity Is ER Stress-Dependent and Impacts $\beta^2$ -Cell Function and Survival. <i>Antioxidants</i> , 2021, 10, 1305.	2.2	5
982	Evaluating the antidiabetic effects of R-verapamil in type 1 and type 2 diabetes mellitus mouse models. <i>PLoS ONE</i> , 2021, 16, e0255405.	1.1	4
983	Coreceptor therapy has distinct short- and long-term tolerogenic effects intrinsic to autoreactive effector T cells. <i>JCI Insight</i> , 2021, 6, .	2.3	1
984	Combinatorial transcription factor profiles predict mature and functional human islet $\beta^1$ and $\beta^2$ cells. <i>JCI Insight</i> , 2021, 6, .	2.3	22
985	Inhibition of Notch activity promotes pancreatic cytokeratin 5-positive cell differentiation to beta cells and improves glucose homeostasis following acute pancreatitis. <i>Cell Death and Disease</i> , 2021, 12, 867.	2.7	9
987	A point mutation in the <i>Pdia6</i> gene results in loss of pancreatic $\beta^2$ -cell identity causing overt diabetes. <i>Molecular Metabolism</i> , 2021, 54, 101334.	3.0	3
988	Nicotinamide-cinnamic acid cocktail exerts pancreatic $\beta^2$ -cells survival coupled with insulin secretion through ERK1/2 signaling pathway in an animal model of apoptosis. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2021, 29, 483-492.	0.9	0
989	MCPIP1 is a novel link between diabetogenic conditions and impaired insulin secretory capacity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166199.	1.8	4

#	ARTICLE	IF	CITATIONS
990	The importance of aquaporin-8 for cytokine-mediated toxicity in rat insulin-producing cells. <i>Free Radical Biology and Medicine</i> , 2021, 174, 135-143.	1.3	8
991	Design, synthesis, biological evaluations and in silico studies of sulfonate ester derivatives of 2-(2-benzylidenehydrazono)thiazolidin-4-one as potential $\alpha$ -glucosidase inhibitors. <i>Journal of Molecular Structure</i> , 2022, 1247, 131266.	1.8	14
992	Assessing Mouse Islet Function. <i>Methods in Molecular Biology</i> , 2020, 2128, 241-268.	0.4	9
993	Bcl-2 Family and Their Therapeutic Potential. , 2014, , 61-96.		3
994	What Causes Gestational Diabetes?. , 2010, , 113-123.		1
995	Role of Endoplasmic Reticulum ER Stress-Induced Cell Death Mechanisms. <i>Nanomedicine and Nanotoxicology</i> , 2020, , 329-401.	0.1	2
996	Cystic Fibrosis-Related Diabetes. <i>Respiratory Medicine</i> , 2020, , 337-353.	0.1	1
997	Taurine Supplementation Enhances Insulin Secretion Without Altering Islet Morphology in Non-obese Diabetic Mice. <i>Advances in Experimental Medicine and Biology</i> , 2015, 803, 353-370.	0.8	3
998	LADA. <i>Endocrinology</i> , 2018, , 255-297.	0.1	1
999	Interleukin-Targeted Therapy for Metabolic Syndrome and Type 2 Diabetes. <i>Handbook of Experimental Pharmacology</i> , 2011, , 257-278.	0.9	27
1001	Protective Effect of Taurine on Apoptosis of Spinal Cord Cells in Diabetic Neuropathy Rats. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1155, 875-887.	0.8	3
1002	Vitexin restores pancreatic $\beta$ -cell function and insulin signaling through Nrf2 and NF- $\kappa$ B signaling pathways. <i>European Journal of Pharmacology</i> , 2020, 888, 173606.	1.7	31
1003	Functional recovery upon human dental pulp stem cell transplantation in a diabetic neuropathy rat model. <i>Cytotherapy</i> , 2017, 19, 1208-1224.	0.3	32
1004	Beta-Cell Fragility As a Common Underlying Risk Factor in Type 1 and Type 2 Diabetes. <i>Trends in Molecular Medicine</i> , 2017, 23, 181-194.	3.5	53
1005	An integrated multi-omics approach identifies the landscape of interferon- $\gamma$ -mediated responses of human pancreatic beta cells. <i>Nature Communications</i> , 2020, 11, 2584.	5.8	87
1006	Elevated Circulating LINC-P21 Serves as a Diagnostic Biomarker of Type 2 Diabetes Mellitus and Regulates Pancreatic $\beta$ -cell Function by Sponging miR-766-3p to Upregulate NR3C2. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2022, 130, 156-164.	0.6	10
1007	Dual Role of Nitric Oxide in Regulating the Response of $\beta$ Cells to DNA Damage. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 1432-1445.	2.5	29
1008	Integration of single-cell datasets reveals novel transcriptomic signatures of $\beta$ -cells in human type 2 diabetes. <i>NAR Genomics and Bioinformatics</i> , 2020, 2, lqaa097.	1.5	15



#	ARTICLE	IF	CITATIONS
1011	Epigenetic modulation of $\beta$ cells by interferon- $\gamma$ via PNPT1/mir-26a/TET2 triggers autoimmune diabetes. JCI Insight, 2019, 4, .	2.3	31
1012	Integrated human pseudoislet system and microfluidic platform demonstrate differences in GPCR signaling in islet cells. JCI Insight, 2020, 5, .	2.3	35
1013	Mitophagy protects $\beta$ cells from inflammatory damage in diabetes. JCI Insight, 2020, 5, .	2.3	67
1014	Anti-coreceptor therapy drives selective T cell egress by suppressing inflammation-dependent chemotactic cues. JCI Insight, 2016, 1, e87636.	2.3	6
1015	Profiling of circulating microRNAs in children with recent onset of type 1 diabetes. JCI Insight, 2017, 2, e89656.	2.3	97
1016	Nrf2/antioxidant pathway mediates $\beta$ cell self-repair after damage by high-fat diet-induced oxidative stress. JCI Insight, 2017, 2, .	2.3	36
1017	PAHSAs attenuate immune responses and promote $\beta$ cell survival in autoimmune diabetic mice. Journal of Clinical Investigation, 2019, 129, 3717-3731.	3.9	55
1018	TNF- $\gamma$ is critical for antitumor but not antiviral T cell immunity in mice. Journal of Clinical Investigation, 2007, 117, 3833-45.	3.9	178
1019	CTLs are targeted to kill $\beta$ cells in patients with type 1 diabetes through recognition of a glucose-regulated preproinsulin epitope. Journal of Clinical Investigation, 2008, 118, 3390-402.	3.9	315
1020	Connexins protect mouse pancreatic $\beta$ cells against apoptosis. Journal of Clinical Investigation, 2011, 121, 4870-4879.	3.9	61
1021	Characterization of 5-(2-18F-fluoroethoxy)-L-tryptophan for PET imaging of the pancreas. F1000Research, 2016, 5, 1851.	0.8	10
1022	Characterization of 5-(2-18F-fluoroethoxy)-L-tryptophan for PET imaging of the pancreas. F1000Research, 2016, 5, 1851.	0.8	9
1023	High-Fat Diet Induces Apoptosis of Hypothalamic Neurons. PLoS ONE, 2009, 4, e5045.	1.1	330
1024	Early Low Protein Diet Aggravates Unbalance between Antioxidant Enzymes Leading to Islet Dysfunction. PLoS ONE, 2009, 4, e6110.	1.1	52
1025	High Glucose Suppresses Human Islet Insulin Biosynthesis by Inducing miR-133a Leading to Decreased Polypyrimidine Tract Binding Protein-Expression. PLoS ONE, 2010, 5, e10843.	1.1	76
1026	Effects of Imatinib Mesylate (Gleevec) on Human Islet NF-kappaB Activation and Chemokine Production In Vitro. PLoS ONE, 2011, 6, e24831.	1.1	20
1027	Specific Silencing of the REST Target Genes in Insulin-Secreting Cells Uncovers Their Participation in Beta Cell Survival. PLoS ONE, 2012, 7, e45844.	1.1	15
1028	Maternal Obesity during the Preconception and Early Life Periods Alters Pancreatic Development in Early and Adult Life in Male Mouse Offspring. PLoS ONE, 2013, 8, e55711.	1.1	35

#	ARTICLE	IF	CITATIONS
1029	A Role for SPARC in the Moderation of Human Insulin Secretion. PLoS ONE, 2013, 8, e68253.	1.1	34
1030	Macrophage Contact Dependent and Independent TLR4 Mechanisms Induce $\beta$ -Cell Dysfunction and Apoptosis in a Mouse Model of Type 2 Diabetes. PLoS ONE, 2014, 9, e90685.	1.1	28
1031	CXC Chemokine Ligand 12 Protects Pancreatic $\beta$ -Cells from Necrosis through Akt Kinase-Mediated Modulation of Poly(ADP-ribose) Polymerase-1 Activity. PLoS ONE, 2014, 9, e101172.	1.1	10
1032	Possible Protective Effect of Membrane Lipid Rafts against Interleukin-1 $\beta$ -Mediated Anti-Proliferative Effect in INS-1 Cells. PLoS ONE, 2014, 9, e102889.	1.1	2
1033	Dopamine Modulates Insulin Release and Is Involved in the Survival of Rat Pancreatic Beta Cells. PLoS ONE, 2015, 10, e0123197.	1.1	33
1034	The role of tumour suppressor PDCD4 in beta cell death in hypoxia. PLoS ONE, 2017, 12, e0181235.	1.1	4
1035	Circulating microRNA-375 as biomarker of pancreatic beta cell death and protection of beta cell mass by cytoprotective compounds. PLoS ONE, 2017, 12, e0186480.	1.1	25
1036	$\beta$ -cell-specific overexpression of adiponectin receptor 1 does not improve diabetes mellitus in Akita mice. PLoS ONE, 2018, 13, e0190863.	1.1	8
1037	Integrative analysis of super enhancer SNPs for type 2 diabetes. PLoS ONE, 2018, 13, e0192105.	1.1	17
1038	Bergenin protects pancreatic beta cells against cytokine-induced apoptosis in INS-1E cells. PLoS ONE, 2020, 15, e0241349.	1.1	9
1039	The miRNAs miR-211-5p and miR-204-5p modulate ER stress in human beta cells. Journal of Molecular Endocrinology, 2019, 63, 139-149.	1.1	29
1040	Apoptosis of pancreatic $\beta$ -cells in Type 1 diabetes. Bosnian Journal of Basic Medical Sciences, 2017, 17, 183-193.	0.6	52
1041	Effects of olive leaf polyphenols against H <sub>2</sub> O <sub>2</sub> toxicity in insulin secreting $\beta$ -cells. Acta Biochimica Polonica, 2011, 58, .	0.3	52
1042	Endoplasmic Reticulum Stress Caused by Overexpression of Islet-Specific Glucose-6-Phosphatase Catalytic Subunit-Related Protein in Pancreatic Beta-Cells. Review of Diabetic Studies, 2007, 4, 25-25.	0.5	10
1043	Deficiency of macrophage migration inhibitory factor (MIF) inhibits cytokine-induced IL-1 $\beta$ generation in murine pancreatic islet cells. Archives of Biological Sciences, 2013, 65, 9-15.	0.2	1
1044	CXC chemokine ligand 12 $\beta$ -mediated increase in insulin secretion and survival of mouse pancreatic islets in response to oxidative stress through modulation of calcium uptake. Archives of Biological Sciences, 2018, 70, 191-204.	0.2	2
1045	Antidiabetic and anti-hypercholesterolemic effects of flavonoid-rich fractions of <i>Rosmarinus officinalis</i> in streptozotocin-induced diabetes in mice. Phytotherapie, 2018, 16, 204-210.	0.1	4
1046	SYNTHESIS, ANTIMICROBIAL AND $\beta$ -GLUCOSIDASE INHIBITORY POTENTIAL OF MANNICH BASES OF MERCAPTO OXADIAZOLES AND THEIR MOLECULAR DOCKING STUDIES. Farmacia, 2018, 66, 708-717.	0.1	7

#	ARTICLE	IF	CITATIONS
1047	Exendin-4 protects murine MIN6 pancreatic $\beta$ -cells from interleukin-1 $\beta$ -induced apoptosis via the NF- $\kappa$ B pathway. <i>Journal of Endocrinological Investigation</i> , 2013, 36, 803-11.	1.8	2
1048	CORRELATION OF SERUM VITAMIN D LEVEL WITH TYPE 1 DIABETES MELLITUS IN CHILDREN: A META-ANALYSIS. <i>Nutricion Hospitalaria</i> , 2015, 32, 1591-4.	0.2	16
1049	Antidiabetics in combination with hydroxychloroquine improve antioxidant and hepatoprotective activities in alloxan-induced diabetic rats. <i>Bangladesh Pharmaceutical Journal</i> , 2015, 18, 72-77.	0.1	2
1050	Suppression of Streptozotocin-Induced Type-1 Diabetes in Mice by Radon Inhalation. <i>Physiological Research</i> , 2013, 62, 57-66.	0.4	13
1051	Schizandra arisanensis extract attenuates cytokine-mediated cytotoxicity in insulin-secreting cells. <i>World Journal of Gastroenterology</i> , 2012, 18, 6809.	1.4	9
1052	Neuropeptide $\gamma$ 1/2B stimulates insulin secretion and expression but not proliferation in rat insulin-producing INS-1E cells. <i>Molecular Medicine Reports</i> , 2019, 20, 2030-2038.	1.1	4
1053	The Role of CD36 in Type 2 Diabetes Mellitus: $\beta$ -Cell Dysfunction and Beyond. <i>Diabetes and Metabolism Journal</i> , 2020, 44, 222.	1.8	18
1054	Apoptosis, autophagy & endoplasmic reticulum stress in diabetes mellitus. <i>Indian Journal of Medical Research</i> , 2016, 144, 515-524.	0.4	43
1055	Administration of <i>Lactobacillus casei</i> and <i>Bifidobacterium bifidum</i> ameliorated hyperglycemia, dyslipidemia, and oxidative stress in diabetic rats. <i>International Journal of Preventive Medicine</i> , 2016, 7, 102.	0.2	36
1056	The effect of <i>Prosopis farcta</i> beans extract on blood biochemical parameters in streptozotocin-induced diabetic male rats. <i>Advanced Biomedical Research</i> , 2016, 5, 116.	0.2	12
1057	Oxytocin as a novel therapeutic option for type 1 diabetes and diabetic osteopathy. <i>Endocrine Regulations</i> , 2014, 48, 87-102.	0.5	19
1058	The Effect of Melatonin Against Gastric Oxidative Stress and Dyslipidemia in Streptozotocin-Induced Diabetic Rats. <i>Acta Endocrinologica</i> , 2018, 14, 453-458.	0.1	9
1059	Insulin Release from the Beta Cells in Acatalasemic Mice Is Highly Susceptible to Alloxan-Induced Oxidative Stress. <i>Journal of Diabetes Mellitus</i> , 2015, 05, 81-89.	0.1	2
1060	Alteration of mitochondrial function in adult rat offspring of malnourished dams. <i>World Journal of Diabetes</i> , 2011, 2, 149.	1.3	18
1061	Positive evidence for vitamin A role in prevention of type 1 diabetes. <i>World Journal of Diabetes</i> , 2016, 7, 177.	1.3	11
1062	Mesenchymal stem cells help pancreatic islet transplantation to control type 1 diabetes. <i>World Journal of Stem Cells</i> , 2014, 6, 163.	1.3	50
1063	Antidiabetic Activities of Korean Red Pine ( <i>Pinus densiflora</i> ) Inner Bark Extracts. <i>Journal of the Korean Wood Science and Technology</i> , 2019, 47, 498-508.	0.8	11
1064	Anti-diabetic effect of <i>Otostegia persica</i> extract on diabetic rats. <i>Journal of Medicinal Plants Research</i> , 2012, 6, .	0.2	4

#	ARTICLE	IF	CITATIONS
1065	Insulin resistance and type 2 diabetes in children. <i>Annals of Pediatric Endocrinology and Metabolism</i> , 2020, 25, 217-226.	0.8	39
1066	Allantoin ameliorates chemically-induced pancreatic $\beta$ -cell damage through activation of the imidazoline I3 receptors. <i>PeerJ</i> , 2015, 3, e1105.	0.9	8
1067	Understanding the Pancreatic Islet Microenvironment in Cystic Fibrosis and the Extrinsic Pathways Leading to Cystic Fibrosis Related Diabetes. <i>Clinical Medicine Insights: Endocrinology and Diabetes</i> , 2021, 14, 117955142110488.	1.0	0
1068	Tat-CIAPIN1 protein prevents against cytokine-induced cytotoxicity in pancreatic RINm5F $\beta$ -cells. <i>BMB Reports</i> , 2021, 54, 458-463.	1.1	9
1069	Mechanisms of Immunomodulation and Cytoprotection Conferred to Pancreatic Islet by Human Amniotic Epithelial Cells. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 346-359.	1.7	11
1070	Hypothetical molecular interconnection between type 2 diabetes and dyslexia. <i>BMC Neuroscience</i> , 2021, 22, 63.	0.8	0
1071	Polyacetylene Glycosides: Isolation, Biological Activities and Synthesis. <i>Chemical Record</i> , 2022, 22, e202100176.	2.9	5
1072	Cathepsin C Regulates Cytokine-Induced Apoptosis in $\beta$ -Cell Model Systems. <i>Genes</i> , 2021, 12, 1694.	1.0	5
1073	Design, synthesis and biological evaluation of novel (E)-2-benzylidene-N-(3-cyano-4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)hydrazine-1-carboxamide derivatives as $\alpha$ -glucosidase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 52, 128413.	1.0	7
1074	A novel GPR119 agonist DA-1241 preserves pancreatic function via the suppression of ER stress and increased PDX1 expression. <i>Biomedicine and Pharmacotherapy</i> , 2021, 144, 112324.	2.5	5
1075	SUMO4-Encoded Genetic Susceptibility to Type 1 Diabetes. , 2009, , 273-299.		0
1076	Pancreatic and Islet Transplantation. , 2010, , 943-958.		0
1077	Prospects for Induced Pluripotent Stem Cell Therapy for Diabetes. <i>Pancreatic Islet Biology</i> , 2011, , 387-398.	0.1	0
1078	Experimental Models of Oxidative Stress Related to Cardiovascular Diseases and Diabetes. , 2011, , 39-60.		1
1079	Type I Diabetes and the Role of Inflammatory-Related Cellular Signaling. , 0, , .		0
1080	The Dynamic Roles of Visfatin and Obestatin Serum Concentration in Pancreatic Beta Cells Dysfunction (HOMA-beta) and Insulin Resistance (HOMA-IR) in Centrally Obese Men. <i>Indonesian Biomedical Journal</i> , 2012, 4, 43.	0.2	0
1081	Effects of Experimental Diabetes and Gliclazide on Pregnant Albino Rats and Their Pups. <i>Journal of Internal Medicine Research</i> , 2013, 1, 22.	0.3	4
1082	Impact of Bisphenol A (BPA) and Free Fatty Acids (FFA) on Th2 Cytokine Secretion from INS-1 Cells. <i>Pharmacology &amp; Pharmacy</i> , 2013, 04, 451-460.	0.2	0

#	ARTICLE	IF	CITATIONS
1083	B7-H4 as a protective shield for pancreatic islet beta cells. World Journal of Diabetes, 2014, 5, 739.	1.3	2
1085	Inflammatory Pathways Linked to Beta Cell Demise in Diabetes. , 2014, , 1-50.		0
1086	Mechanisms of Pancreatic Î²-Cell Apoptosis in Diabetes and Its Therapies. , 2014, , 1-20.		1
1087	Beta Cell Store-Operated Ion Channels. , 2014, , 1-31.		1
1088	ZwiÄzek podwyÅzonej ekspresji leukocytarnej kinazy 3-fosfatydyloinozytolu delta z cukrzycÄ ciÄÅwÄ (GDM). Endokrynologia Polska, 2014, 65, 17-24.	0.3	5
1089	Mechanisms of Pancreatic Î²-Cell Apoptosis in Diabetes and Its Therapies. , 2015, , 873-894.		0
1090	In Vivo Biomarkers for Detection of Î² Cell Death. , 2015, , 1115-1129.		0
1091	Islet Xenotransplantation: An Update on Recent Advances and Future Prospects. , 2015, , 1275-1296.		0
1092	Inflammatory Pathways Linked to Î² Cell Demise in Diabetes. , 2015, , 989-1045.		0
1093	Increased pro-Oxidantÿ/2 Antioxidant Balance in Patients with Diabetes Mellitus. International Journal of Cardiovascular Research, 2015, 04, .	0.1	1
1094	Pancreatic Islet Adaptation and Failure in Obesity and Diabetes. , 2015, , 1-21.		0
1095	A Novel Small Molecule Drug Derived from Methimazole (Phenylmethimazole) that Targets Aberrant Toll-like Receptor Expression and Signaling for the Potential Prevention or Treatment of Diabetes Mellitus and Non-alcoholic Fatty Liver Disease. US Endocrinology, 2015, 11, 17.	0.3	0
1096	Toosendan Fructus ameliorates the pancreatic damage through the anti-inflammatory activity in non-obese diabetic mice. The Korea Journal of Herbology, 2015, 30, 1-9.	0.2	1
1097	Synergistic Anti-diabetic Effect of Cirsium setidens Combined with Other Plants in vitro and in vivo. Korean Journal of Plant Resources, 2015, 28, 752-758.	0.2	0
1098	The Plasma Membrane Ca <sup>2+</sup> ATPase and the Na/Ca Exchanger in Î²-cell Function and Diabetes. , 2016, , 81-92.		1
1099	Insulin Management in Type 1 Diabetes. , 2016, , 133-167.		0
1100	Introduction to Diabetes and Type 1 Diabetes. SpringerBriefs in Applied Sciences and Technology, 2016, , 1-6.	0.2	0
1101	Diabetes and Physical Activity. Journal of Endocrinology and Diabetes, 2016, 3, 01-12.	0.2	0

#	ARTICLE	IF	CITATIONS
1102	Effect of sodium tungstate on visual evoked potentials in diabetic rats. <i>International Journal of Ophthalmology</i> , 2016, 9, 677-81.	0.5	1
1103	<i>Fisiologia Pancreática: Páncreas Endócrino.</i> , 0, , 523-574.		0
1104	Pancreatic Islet Adaptation and Failure in Obesity and Diabetes. , 2017, , 1-21.		0
1105	Advances in Understanding the Role of MIF in the Pathogenesis of Autoimmune Diseases. , 2017, , 77-95.		0
1106	Immunopathology of the Endocrine System. <i>Molecular and Integrative Toxicology</i> , 2017, , 649-694.	0.5	0
1107	Stem Cell Transplantation in Diabetes Mellitus Type I and Type II. <i>Stem Cells in Clinical Applications</i> , 2017, , 3-33.	0.4	0
1108	Protecting functional $\beta^2$ cells with a therapeutic peptide. <i>Annals of Translational Medicine</i> , 2018, 6, 372-372.	0.7	0
1109	Regulating Inflammatory Cytokines in the Diabetic Heart. , 2019, , 427-436.		0
1110	Increased apoptosis, but not pancreatic duodenal homeobox-1 expression in pancreatic islets is associated with intermittent glucose loads in mice. <i>Diabetes Mellitus</i> , 2018, 21, 497-505.	0.5	0
1111	Hybrid lipids, peptides, and lymphocytes: new era in type 1 diabetes research. <i>Journal of Clinical Investigation</i> , 2019, 129, 3527-3529.	3.9	5
1113	Carnitine effects on serum and pancreas inflammatory response in diabetic rats. <i>Ukrainian Biochemical Journal</i> , 2019, 91, 59-66.	0.1	2
1114	Conventional biomarkers for cardiovascular risks and their correlation with the castelli risk index-indices and tg/hdl-c. <i>Archivos De Medicina</i> , 2020, 20, 11-22.	0.1	5
1115	Resveratrol in diabetes: benefits against oxidative stress in male reproduction. , 2020, , 303-314.		1
1116	Microbiome and Cellular Players in Type 1 Diabetes: From Pathogenesis to Protection. , 2020, , 161-227.		0
1118	Pancreatic $\beta^2$ -Cell Mass as a Pharmacologic Target in Diabetes. <i>McGill Journal of Medicine</i> , 2009, 12, .	0.1	2
1120	MicroRNA-7a inhibits Isl1 expression to regulate insulin secretion by targeting Raf1 and Mapkap1 in NIT-1 cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2021, 57, 817-824.	0.7	3
1121	Anti-Diabetic Activity of Edible Insect <i>Gryllus bimaculatus</i> Extracts in Insulin-Deficient Diabetic Mice. <i>Journal of the Korean Society of Food Science and Nutrition</i> , 2019, 48, 1165-1171.	0.2	9
1122	Endoplasmic reticulum stress-induced cell death mechanism. , 2020, , 299-342.		6

#	ARTICLE	IF	CITATIONS
1124	Synergistic effect between the KCNQ1 haplotype and alcohol consumption on the development of type 2 diabetes mellitus in Korean cohorts. <i>Scientific Reports</i> , 2021, 11, 21796.	1.6	0
1125	Dissecting in vivo and in vitro redox responses using chemogenetics. <i>Free Radical Biology and Medicine</i> , 2021, 177, 360-369.	1.3	14
1126	Transgenic Overexpression of Galectin-3 in Pancreatic $\beta^2$ Cells Attenuates Hyperglycemia in Mice: Synergistic Antidiabetic Effect With Exogenous IL-33. <i>Frontiers in Pharmacology</i> , 2021, 12, 714683.	1.6	2
1127	Hydroxynonenal causes Langerhans cell degeneration in the pancreas of Japanese macaque monkeys. <i>PLoS ONE</i> , 2021, 16, e0245702.	1.1	6
1128	New Insight into Molecular and Hormonal Connection in Andrology. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11908.	1.8	3
1129	Neurocognitive Dysfunction and Diabetic Foot. , 0, , .		1
1130	Metabolic syndrome in type 2 diabetic patients: a review of current evidence. <i>Porto Biomedical Journal</i> , 2020, 5, e101.	0.4	37
1132	Plant Compounds for the Treatment of Diabetes, a Metabolic Disorder: NF- $\kappa$ B as a Therapeutic Target. <i>Current Pharmaceutical Design</i> , 2020, 26, 4955-4969.	0.9	8
1133	Pancreatic $\beta^2$ -Cell Mass as a Pharmacologic Target in Diabetes. <i>McGill Journal of Medicine</i> , 2009, 12, 51.	0.1	2
1134	Butyrate alleviates metabolic impairments and protects pancreatic $\beta^2$ cell function in pregnant mice with obesity. <i>International Journal of Clinical and Experimental Pathology</i> , 2013, 6, 1574-84.	0.5	26
1135	Regulation of insulin synthesis and secretion and pancreatic Beta-cell dysfunction in diabetes. <i>Current Diabetes Reviews</i> , 2013, 9, 25-53.	0.6	222
1136	<i>Otostegia persica</i> (Lamiaceae): A review on its ethnopharmacology, phytochemistry, and pharmacology. <i>Avicenna Journal of Phytomedicine</i> , 2014, 4, 79-88.	0.1	16
1137	Sumoylation modulates oxidative stress relevant to the viability and functionality of pancreatic beta cells. <i>American Journal of Translational Research (discontinued)</i> , 2014, 6, 353-60.	0.0	9
1138	Chronic Exposure of Human Endothelial Progenitor Cells to Diabetic Condition Abolished the Regulated Kinetics Activity of Exosomes. <i>Iranian Journal of Pharmaceutical Research</i> , 2018, 17, 1068-1080.	0.3	16
1139	Cytokine signature for predicting new-onset prediabetes after acute pancreatitis: A prospective longitudinal cohort study. <i>Cytokine</i> , 2022, 150, 155768.	1.4	12
1141	Deletion of pancreas-specific miR-216a reduces beta-cell mass and inhibits pancreatic cancer progression in mice. <i>Cell Reports Medicine</i> , 2021, 2, 100434.	3.3	10
1142	Emergence of microneedles as a potential therapeutics in diabetes mellitus. <i>Environmental Science and Pollution Research</i> , 2022, 29, 3302-3322.	2.7	11
1143	$\beta^2$ -Cell Death in Diabetes: Past Discoveries, Present Understanding, and Potential Future Advances. <i>Metabolites</i> , 2021, 11, 796.	1.3	21

#	ARTICLE	IF	CITATIONS
1144	Lipotoxicity and $\beta$ -Cell Failure in Type 2 Diabetes: Oxidative Stress Linked to NADPH Oxidase and ER Stress. <i>Cells</i> , 2021, 10, 3328.	1.8	26
1145	Complementary and alternative medicine for the treatment of diabetes and associated complications: A review on therapeutic role of polyphenols. <i>Phytomedicine Plus</i> , 2022, 2, 100188.	0.9	22
1146	Vitamin D and Omega-3 Polyunsaturated Fatty Acids in Type 1 Diabetes Modulation. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2022, 22, 815-833.	0.6	0
1147	Development of a POCT type insulin sensor employing anti-insulin single chain variable fragment based on faradaic electrochemical impedance spectroscopy under single frequency measurement. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113901.	5.3	13
1148	Macrophages and Neutrophils Are Necessary for ER Stress-Induced $\beta$ Cell Loss. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1149	ER stress-induced cell death proceeds independently of the TRAIL-R2 signaling axis in pancreatic $\beta$ cells. <i>Cell Death Discovery</i> , 2022, 8, 34.	2.0	5
1150	Hepatocyte Nuclear Factor 4 $\alpha$ (HNF4 $\alpha$ ) controls the insulin resistance-induced pancreatic $\beta$ -cell mass expansion. <i>Life Sciences</i> , 2022, 289, 120213.	2.0	3
1151	Teucrium polium: Potential Drug Source for Type 2 Diabetes Mellitus. <i>Biology</i> , 2022, 11, 128.	1.3	2
1152	Glucose Affects the Quality and Properties of Hard Tissue in Diabetes Mellitus Model. <i>Journal of Hard Tissue Biology</i> , 2022, 31, 29-38.	0.2	1
1153	A Dioxidovanadium Complex cis-[VO <sub>2</sub> (obz)py] Attenuates Hyperglycemia in Streptozotocin (STZ)-Induced Diabetic Male Sprague-Dawley Rats via Increased GLUT4 and Glycogen Synthase Expression in the Skeletal Muscle. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-11.	0.5	2
1154	Insights from Dysregulated mRNA Expression Profile of $\beta$ -Cells in Response to Proinflammatory Cytokines. <i>Journal of Immunology Research</i> , 2022, 2022, 1-9.	0.9	3
1155	To Be or Not to Be: The Divergent Action and Metabolism of Sphingosine-1 Phosphate in Pancreatic Beta-Cells in Response to Cytokines and Fatty Acids. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1638.	1.8	5
1156	Simvastatin mitigates streptozotocin-induced type 1 diabetes in mice through downregulation of ADAM10 and ADAM17. <i>Life Sciences</i> , 2022, 289, 120224.	2.0	3
1157	Stem Cell Transplantation Therapy and Neurological Disorders: Current Status and Future Perspectives. <i>Biology</i> , 2022, 11, 147.	1.3	36
1158	Glucose sensitive konjac glucomannan/concanavalin A nanoparticles as oral insulin delivery system. <i>International Journal of Biological Macromolecules</i> , 2022, 202, 296-308.	3.6	16
1159	Proinflammatory cytokines induce rapid, NO-independent apoptosis, expression of chemotactic mediators and interleukin-32 secretion in human pluripotent stem cell-derived beta cells. <i>Diabetologia</i> , 2022, 65, 829-843.	2.9	9
1160	The genetic variants of solute carrier family 11 member 2 gene and risk of developing type-2 diabetes. <i>Journal of Genetics</i> , 2018, 97, 1407-1412.	0.4	2
1161	Type 1 diabetes peer support groups: Bridging the gap between healthcare professionals and people with type 1 diabetes. <i>Journal of Diabetology</i> , 2022, 13, 16.	0.1	4



#	ARTICLE	IF	CITATIONS
1162	Beta-cell autophagy under the scope of hypoglycemic drugs; possible mechanism as a novel therapeutic target. <i>Obesity and Metabolism</i> , 2022, 18, 465-470.	0.4	6
1163	SGLT2 inhibitors therapy protects glucotoxicity-induced $\beta$ -cell failure in a mouse model of human KATP-induced diabetes through mitigation of oxidative and ER stress. <i>PLoS ONE</i> , 2022, 17, e0258054.	1.1	13
1164	Txnp deficiency promotes $\beta$ -cell proliferation in the HFD-induced obesity mouse model. <i>Endocrine Connections</i> , 2022, 11, .	0.8	4
1165	Mitophagy and mitochondrial dynamics in type 2 diabetes mellitus treatment. <i>Aging</i> , 2022, 14, 2902-2919.	1.4	32
1166	Downregulation of Kcnq1ot1 attenuates $\beta$ -cell proliferation and insulin secretion via the miR-15b-5p/Ccnd1 and Ccnd2 axis. <i>Acta Diabetologica</i> , 2022, 59, 885-899.	1.2	9
1167	Drug Discovery of Plausible Lead Natural Compounds That Target the Insulin Signaling Pathway: Bioinformatics Approaches. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-42.	0.5	6
1168	Gymnemic acid protects murine pancreatic $\beta$ -cells by moderating hyperglycemic stress-induced inflammation and apoptosis in type 1 diabetic rats. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, , e23050.	1.4	0
1169	Design, synthesis, and biological evaluation of a small molecule oral agonist of the glucagon-like-peptide-1 receptor. <i>Journal of Biological Chemistry</i> , 2022, 298, 101889.	1.6	3
1170	Emerging diabetes therapies: Bringing back the $\beta$ -cells. <i>Molecular Metabolism</i> , 2022, 60, 101477.	3.0	13
1171	Advances in oral peptide drug nanoparticles for diabetes mellitus treatment. <i>Bioactive Materials</i> , 2022, 15, 392-408.	8.6	20
1173	Leukocytes in type 1 diabetes mellitus: the changes they undergo and induce. <i>Studia Biologica = Studia Biologica</i> , 2022, 16, 47-66.	0.1	1
1174	Radix Bupleuri-Radix Paeoniae Alba couplet medicine in the treatment of type 2 diabetes mellitus - A network pharmacology and cellular experimental assessment. <i>European Journal of Integrative Medicine</i> , 2022, 52, 102132.	0.8	1
1175	Combined therapy with $CD4^{+}CD25^{high}CD127^{lo}$ T regulatory cells and anti-CD20 antibody in recent-onset type 1 diabetes is superior to monotherapy: Randomized phase II trial. <i>Diabetes, Obesity and Metabolism</i> , 2022, 24, 1534-1543.	2.2	15
1181	Quality of life of diabetic patients with medical or surgical treatment. <i>Nutricion Hospitalaria</i> , 2013, 28 Suppl 2, 66-77.	0.2	3
1182	Visfatin Protects Rat Pancreatic $\beta$ -cells against IFN- $\gamma$ -Induced Apoptosis through AMPK and ERK1/2 Signaling Pathways. <i>Biomedical and Environmental Sciences</i> , 2015, 28, 169-77.	0.2	13
1183	Cathelicidin-related antimicrobial peptide protects against enteric pathogen-accelerated type 1 diabetes in mice. <i>Theranostics</i> , 2022, 12, 3438-3455.	4.6	8
1186	<i>Ferula assafoetida</i> oleo gum resin ethanolic extract alleviated the pancreatic changes and antioxidant status in streptozotocin-induced diabetic rats: A biochemical, histopathological, and ultrastructural study. <i>Journal of Food Biochemistry</i> , 2022, 46, e14191.	1.2	1
1187	Is Type 2 Diabetes a Primary Mitochondrial Disorder?. <i>Cells</i> , 2022, 11, 1617.	1.8	11

#	ARTICLE	IF	CITATIONS
1188	Stem Cell Therapy in Limb Ischemia: State-of-Art, Perspective, and Possible Impacts of Endometrial-Derived Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	5
1189	Prenatal exposure to a mixture of PAHs causes the dysfunction of islet cells in adult male mice: Association with type 1 diabetes mellitus. <i>Ecotoxicology and Environmental Safety</i> , 2022, 239, 113695.	2.9	3
1190	Interleukin 17A deficiency alleviates neuroinflammation and cognitive impairment in an experimental model of diabetic encephalopathy. <i>Neural Regeneration Research</i> , 2022, 17, 2771.	1.6	5
1191	Acrylamide and Potential Risk of Diabetes Mellitus: Effects on Human Population, Glucose Metabolism and Beta-Cell Toxicity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6112.	1.8	6
1192	Mitochondrial Diabetes is Associated with tRNA <sup>Leu</sup> (UUR) A3243G and ND6 T14502C Mutations. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 0, Volume 15, 1687-1701.	1.1	6
1193	c-Abl tyrosine kinase inhibition attenuate oxidative stress-induced pancreatic $\beta$ -Cell dysfunction via glutathione antioxidant system. <i>Translational Research</i> , 2022, 249, 74-87.	2.2	4
1195	Modulation of Gap Junction Coupling Within the Islet of Langerhans During the Development of Type 1 Diabetes. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	3
1196	Naringenin and Phytoestrogen 8-Prenylnaringenin Protect against Islet Dysfunction and Inhibit Apoptotic Signaling in Insulin-Deficient Diabetic Mice. <i>Molecules</i> , 2022, 27, 4227.	1.7	9
1197	Evaluation of the Effects of Harmine on $\beta$ -cell Function and Proliferation in Standardized Human Islets Using 3D High-Content Confocal Imaging and Automated Analysis. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	10
1198	Lipocalin-Type Prostaglandin D2 Synthase Protein- A Central Player in Metabolism. <i>Pharmaceutical Research</i> , 2022, 39, 2951-2963.	1.7	1
1199	Mechanisms Linking Vitamin D Deficiency to Impaired Metabolism: An Overview. <i>International Journal of Endocrinology</i> , 2022, 2022, 1-16.	0.6	7
1200	Macrophages and neutrophils are necessary for ER stress-induced $\beta$ cell loss. <i>Cell Reports</i> , 2022, 40, 111255.	2.9	8
1201	Nanobiotechnology-Modified Cellular and Molecular Therapy as a Novel Approach for Autoimmune Diabetes Management. <i>Pharmaceutical Nanotechnology</i> , 2022, 10, .	0.6	0
1203	A Randomized Controlled Trial of R-Form Verapamil Added to Ongoing Metformin Therapy in Patients with Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e4063-e4071.	1.8	6
1204	N-terminal BET bromodomain inhibitors disrupt a BRD4-p65 interaction and reduce inducible nitric oxide synthase transcription in pancreatic $\beta$ -cells. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	2
1205	Chemical Approaches for Beta-cell Biology. <i>RSC Nanoscience and Nanotechnology</i> , 2022, , 1-52.	0.2	1
1206	Antidiabetic Medicinal Plants Used in the Eastern Cape Province of South Africa: An Updated Review. <i>Processes</i> , 2022, 10, 1817.	1.3	3
1207	Maternal diabetes negatively impacts fetal health. <i>Open Biology</i> , 2022, 12, .	1.5	1

#	ARTICLE	IF	CITATIONS
1208	Whole-genome CRISPR screening identifies genetic manipulations to reduce immune rejection of stem cell-derived islets. <i>Stem Cell Reports</i> , 2022, 17, 1976-1990.	2.3	20
1209	Serum IL-1ra Is Associated with but Has No Genetic Link to Type 1 Diabetes. <i>Endocrines</i> , 2022, 3, 570-577.	0.4	0
1210	Protective role of hesperidin against diabetes induced spleen damage: Mechanism associated with oxidative stress and inflammation. <i>Journal of Food Biochemistry</i> , 2022, 46, .	1.2	4
1211	Autoantibody and T cell responses to oxidative post-translationally modified insulin neoantigenic peptides in type 1 diabetes. <i>Diabetologia</i> , 2023, 66, 132-146.	2.9	6
1212	Gene Delivery of Manf to Beta-Cells of the Pancreatic Islets Protects NOD Mice from Type 1 Diabetes Development. <i>Biomolecules</i> , 2022, 12, 1493.	1.8	4
1213	Investigation of isoflavone constituents from tuber of <i>Apios americana</i> Medik and its protective effect against oxidative damage on RIN-m5F cells. <i>Food Chemistry</i> , 2023, 405, 134655.	4.2	3
1215	New insights into the characteristics of DRAK2 and its role in apoptosis: From molecular mechanisms to clinically applied potential. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	3
1216	The Role of Apoptosis in Autoimmune Destruction of Pancreatic b-Cells. , 0, , .		0
1217	Circular RNAs in diabetes and its complications: Current knowledge and future prospects. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	5
1218	Human genetics uncovers <i>MAP3K15</i> as an obesity-independent therapeutic target for diabetes. <i>Science Advances</i> , 2022, 8, .	4.7	11
1219	Comparative study on early recognition and identifying diabetic retinopathy with different layers in CNN. <i>International Journal of Advanced and Applied Sciences</i> , 2022, 9, 135-144.	0.2	1
1220	Increased CD34 in pancreatic islet negatively predict islet $\beta^2$ -cell decrease in type1 diabetes model. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	2
1221	The Application of High-Throughput Approaches in Identifying Novel Therapeutic Targets and Agents to Treat Diabetes. <i>Advanced Biology</i> , 2023, 7, .	1.4	3
1222	A discovery-based proteomics approach identifies protein disulphide isomerase (PDIA1) as a biomarker of $\beta^2$ cell stress in type 1 diabetes. <i>EBioMedicine</i> , 2023, 87, 104379.	2.7	5
1223	Conjugation to a cell-penetrating peptide drives the tumour accumulation of the GLP1R antagonist exendin(9-39). <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 0, , .	3.3	3
1224	Engineered Extracellular Vesicles in Treatment of Type 1 Diabetes Mellitus: A Prospective Review. <i>Biomedicines</i> , 2022, 10, 3042.	1.4	3
1225	TiCPG - a strategy for the simultaneous enrichment of reversibly modified cysteine peptides, phosphopeptides, and sialylated N-Glycopeptides to study cytokines stimulated beta-cells. <i>Journal of Proteomics</i> , 2022, , 104796.	1.2	0
1226	In Vivo Bioluminescence for the Detection of the Fate of Pancreatic Islet Organoids Post-transplantation. <i>Methods in Molecular Biology</i> , 2023, , 195-206.	0.4	0

#	ARTICLE	IF	CITATIONS
1227	The Dark Side of Sphingolipids: Searching for Potential Cardiovascular Biomarkers. <i>Biomolecules</i> , 2023, 13, 168.	1.8	10
1228	Pancreatic Islet Cells Response to IFN $\gamma$ Relies on Their Spatial Location within an Islet. <i>Cells</i> , 2023, 12, 113.	1.8	0
1229	Honey proteins regulate oxidative stress, inflammation and ameliorates hyperglycemia in streptozotocin induced diabetic rats. <i>BMC Complementary Medicine and Therapies</i> , 2023, 23, .	1.2	2
1230	Knowledge domain and emerging trends in beta-cell research: A bibliometric and knowledge map analysis. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	2
1231	Autoimmune diseases. , 2023, , 123-244.		2
1232	Design, synthesis, $\alpha$ -glucosidase inhibition, pharmacokinetic, and cytotoxic studies of new indole-carbohydrazide-phenoxymethyl-phenylacetamide derivatives. <i>Archiv Der Pharmazie</i> , 2023, 356, .	2.1	2
1233	The genetic polymorphisms and levels of adipokines and adipocytokines that influence the risk of developing gestational diabetes mellitus in Thai pregnant women. <i>Gene</i> , 2023, 860, 147228.	1.0	5
1236	The Adaptor Protein NumbL Is Involved in the Control of Glucolipototoxicity-Induced Pancreatic Beta Cell Apoptosis. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3308.	1.8	2
1237	$\beta$ -cell-selective inhibition of DNA damage response signaling by nitric oxide is associated with an attenuation in glucose uptake. <i>Journal of Biological Chemistry</i> , 2023, 299, 102994.	1.6	0
1238	Legume-Derived Bioactive Peptides in Type 2 Diabetes: Opportunities and Challenges. <i>Nutrients</i> , 2023, 15, 1096.	1.7	5
1239	DAMPs in Organ-Specific Autoimmune Diseases. , 2023, , 569-656.		0
1240	Muscle Lipid Oxidation Is Not Affected by Obstructive Sleep Apnea in Diabetes and Healthy Subjects. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5308.	1.8	0
1241	Interpretable and context-free deconvolution of multi-scale whole transcriptomic data with UniCell deconvolve. <i>Nature Communications</i> , 2023, 14, .	5.8	10
1242	Pharmacological inhibitors of $\beta$ -cell dysfunction and death as therapeutics for diabetes. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	3
1243	BCL-XL Overexpression Protects Pancreatic $\beta$ -Cells against Cytokine- and Palmitate-Induced Apoptosis. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5657.	1.8	2
1244	APX115A, a pan-NADPH oxidase inhibitor, reduces the degree and incidence rate of dry eye in the STZ-induced diabetic rat model. <i>Experimental and Therapeutic Medicine</i> , 2023, 25, .	0.8	0
1245	$\beta$ -Cell glucokinase expression was increased in type 2 diabetes subjects with better glycemic control. <i>Journal of Diabetes</i> , 2023, 15, 409-418.	0.8	2
1246	Regulatory mechanisms of kaempferol on iNOS expression in RINm5F $\beta$ -cells under exposure to interleukin-1 $\beta$ . <i>Heliyon</i> , 2023, 9, e14818.	1.4	2

#	ARTICLE	IF	CITATIONS
1247	A narrative review: CXC chemokines influence immune surveillance in obesity and obesity-related diseases: Type 2 diabetes and nonalcoholic fatty liver disease. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2023, 24, 611-631.	2.6	5
1248	The Relationship between Type 1 Diabetes Mellitus, TNF- $\alpha$ , and IL-10 Gene Expression. <i>Biomedicines</i> , 2023, 11, 1120.	1.4	5
1249	Mesenchymal Stem Cell Therapy for Treating the Underlying Causes of Diabetes Mellitus and Its Consequences. <i>Current Stem Cell Research and Therapy</i> , 2024, 19, 662-668.	0.6	0
1251	Nonalcoholic Fatty Liver in the Pathogenesis of Diabetes. , 2023, , 261-270.		0
1252	Dysfunctions, molecular mechanisms, and therapeutic strategies of pancreatic $\beta$ -cells in diabetes. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2023, 28, 958-976.	2.2	6
1263	The trigger for pancreatic disease: NLRP3 inflammasome. <i>Cell Death Discovery</i> , 2023, 9, .	2.0	1
1280	Metformin's antioxidant activity and protective nature. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0