

The harmony of the spheres: inducible nitric oxide synthase in pancreatic beta cells

Diabetologia

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Sensitivity of human pancreatic islets to peroxyxynitrite-induced cell dysfunction and death. FEBS Letters, 1996, 394, 300-306.	1.3	95
2	Ebselen and cytokine-induced nitric oxide synthase expression in insulin-producing cells. Biochemical Pharmacology, 1996, 52, 1703-1709.	2.0	29
3	Interferon- β -Induced Interferon Regulatory Factor-1 (IRF-1) Expression in Rodent and Human Islet Cells Precedes Nitric Oxide Production ¹ . Endocrinology, 1997, 138, 2747-2753.	1.4	77
4	Relation Between Antioxidant Enzyme Gene Expression and Antioxidative Defense Status of Insulin-Producing Cells. Diabetes, 1997, 46, 1733-1742.	0.3	1,038
5	Interferon- β Increases the Sensitivity of Islets of Langerhans for Inducible Nitric-oxide Synthase Expression Induced by Interleukin 1. Journal of Biological Chemistry, 1997, 272, 13697-13704.	1.6	143
6	Cytokines Induce Deoxyribonucleic Acid Strand Breaks and Apoptosis in Human Pancreatic Islet Cells*. Endocrinology, 1997, 138, 2610-2614.	1.4	282
7	Protection of NIT-1 Pancreatic β -Cells From Immune Attack by Inhibition of NF- κ B. Journal of Autoimmunity, 1997, 10, 293-298.	3.0	22
8	CD4+ and CD8+ T lymphocytes: Clarification of their pathogenic roles in diabetes in the NOD mouse. Research in Immunology, 1997, 148, 320-327.	0.9	34
9	Selective inhibitors of neuronal nitric oxide synthase "is no NOS really good NOS for the nervous system?". Trends in Pharmacological Sciences, 1997, 18, 204-211.	4.0	99
10	Inhibition of nitric oxide formation by aminoguanidine: An attempt to prevent insulin-dependent diabetes mellitus. General Pharmacology, 1997, 29, 697-700.	0.7	23
11	Interleukin- 1β induced changes in the protein expression of rat islets: A computerized database. Electrophoresis, 1997, 18, 2091-2103.	1.3	52
12	Is there a role for nitric oxide in β -cell dysfunction and damage in IDDM?. , 1997, 13, 293-307.		84
13	Aspects of the involvement of interleukin-1 and nitric oxide in the pathogenesis of insulin-dependent diabetes mellitus. Cell Death and Differentiation, 1998, 5, 461-468.	5.0	52
14	Adenovirus-mediated catalase gene transfer reduces oxidant stress in human, porcine and rat pancreatic islets. Diabetologia, 1998, 41, 1093-1100.	2.9	123
15	Regulation by cytokines of the inducible nitric oxide synthase promoter in insulin-producing cells. Diabetologia, 1998, 41, 1101-1108.	2.9	205
16	Pancreatic β Cell-specific Expression of Thioredoxin, an Antioxidative and Antiapoptotic Protein, Prevents Autoimmune and Streptozotocin-induced Diabetes. Journal of Experimental Medicine, 1998, 188, 1445-1451.	4.2	233
17	Molecular mimicry between non-self, modified self and self in autoimmunity. Seminars in Immunology, 1998, 10, 25-34.	2.7	64
18	Pancreatic Islet Blood Perfusion in the Nonobese Diabetic Mouse: Diabetes-Prone Female Mice Exhibit a Higher Blood Flow Compared with Male Mice in the Prediabetic Phase*. Endocrinology, 1998, 139, 3534-3541.	1.4	37

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19	Complementary action of antioxidant enzymes in the protection of bioengineered insulin-producing RINm5F cells against the toxicity of reactive oxygen species. <i>Diabetes</i> , 1998, 47, 1578-1585.	0.3	182
20	Human islets of Langerhans express Fas ligand and undergo apoptosis in response to interleukin-1beta and Fas ligation. <i>Diabetes</i> , 1998, 47, 727-732.	0.3	139
21	Heat Shock Inhibits Cytokine-Induced Nitric Oxide Synthase Expression by Rat and Human Islets**This work was supported by research grants from the NIH (DK-52194) and The Tobacco Research Council. <i>Endocrinology</i> , 1998, 139, 5050-5057.	1.4	102
22	Stable expression of manganese superoxide dismutase (MnSOD) in insulinoma cells prevents IL-1beta-induced cytotoxicity and reduces nitric oxide production.. <i>Journal of Clinical Investigation</i> , 1998, 101, 1811-1820.	3.9	146
23	Constitutive nitric oxide synthase (cNOS) activity in Langerhans islets from streptozotocin diabetic rats. <i>Brazilian Journal of Medical and Biological Research</i> , 1998, 31, 625-632.	0.7	6
24	Basal expression of cyclooxygenase-2 and nuclear factor-interleukin 6 are dominant and coordinately regulated by interleukin 1 in the pancreatic islet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 1788-1793.	3.3	139
25	Function of Rat Pancreatic Islets Exposed to Interleukin-18In Vitro. <i>Autoimmunity</i> , 1999, 29, 263-267.	1.2	7
26	Tumor Necrosis Factor- α -Activated Cell Death Pathways in NIT-1 Insulinoma Cells and Primary Pancreatic β Cells*. <i>Endocrinology</i> , 1999, 140, 3219-3227.	1.4	87
27	The Destructive Action of IL-1 α and IL-1 β in IDDM is a Multistage Process: Evidence and Confirmation by Apoptotic Studies, Induction of Intermediates and Electron Microscopy. <i>Mediators of Inflammation</i> , 1999, 8, 85-91.	1.4	16
28	β -Cell Dysfunction and Death. <i>Advances in Molecular and Cell Biology</i> , 1999, 29, 47-73.	0.1	4
29	Prolonged STAT1 Activation Is Associated with Interferon- γ Priming for Interleukin-1-induced Inducible Nitric-oxide Synthase Expression by Islets of Langerhans. <i>Journal of Biological Chemistry</i> , 1999, 274, 29266-29273.	1.6	68
30	Morphological evidence for the existence of nitric oxide and carbon monoxide pathways in the rat islets of Langerhans: An immunocytochemical and confocal microscopical study. <i>Diabetologia</i> , 1999, 42, 978-986.	2.9	70
31	Protection against the co-operative toxicity of nitric oxide and oxygen free radicals by overexpression of antioxidant enzymes in bioengineered insulin-producing RINm5F cells. <i>Diabetologia</i> , 1999, 42, 849-855.	2.9	106
32	Identification of IL-1 β -induced messenger RNAs in rat pancreatic beta cells by differential display of messenger RNA. <i>Diabetologia</i> , 1999, 42, 1199-1203.	2.9	49
33	Autoimmune insulinitis and diabetes in the absence of antigen-specific contact between T cells and β -islet cells. <i>European Journal of Immunology</i> , 1999, 29, 3410-3416.	1.6	29
34	NO induces a cGMP-independent release of cytochrome c from mitochondria which precedes caspase 3 activation in insulin producing RINm5F cells. <i>FEBS Letters</i> , 1999, 459, 238-243.	1.3	53
35	INTERLEUKIN 1 β INCREASES ARGININE ACCUMULATION AND ACTIVATES THE CITRULLINE-NO CYCLE IN RAT PANCREATIC β CELLS. <i>Cytokine</i> , 1999, 11, 400-407.	1.4	17
36	GLUCAGON DECREASES CYTOKINE INDUCTION OF NITRIC OXIDE SYNTHASE AND ACTION ON INSULIN SECRETION IN RIN5F CELLS AND RAT AND HUMAN ISLETS OF LANGERHANS. <i>Cytokine</i> , 1999, 11, 585-592.	1.4	10

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37	IL-1 β INDUCES SERINE PROTEASE INHIBITOR 3 (SPI-3) GENE EXPRESSION IN RAT PANCREATIC β -CELLS. DETECTION BY DIFFERENTIAL DISPLAY OF MESSENGER RNA. <i>Cytokine</i> , 1999, 11, 856-862.	1.4	16
38	Regulation of inducible nitric oxide synthase expression in β cells by environmental factors: heavy metals. <i>Biochemical Journal</i> , 1999, 338, 695-700.	1.7	23
39	Regulation of inducible nitric oxide synthase expression in β cells by environmental factors: heavy metals. <i>Biochemical Journal</i> , 1999, 338, 695.	1.7	12
40	Reduced NO Production Improves Early Canine Islet Xenograft Function: A Role for Nitric Oxide in Islet Xenograft Primary Nonfunction. <i>Cell Transplantation</i> , 2000, 9, 453-462.	1.2	9
41	Novel Experimental Strategies to Prevent the Development of Type 1 Diabetes Mellitus. <i>Upsala Journal of Medical Sciences</i> , 2000, 105, 17-34.	0.4	22
42	Synergistic activation of NF- κ B and inducible isoform of nitric oxide synthase induction by interferon- γ and tumor necrosis factor- α in INS-1 cells. <i>Journal of Cellular Physiology</i> , 2000, 184, 46-57.	2.0	57
43	Synthesis, antiapoptotic biological activity and structure of an oxo- μ -vanadium(IV) complex with an OOO ligand donor set. <i>Inorganic Chemistry Communication</i> , 2000, 3, 32-34.	1.8	46
44	Contribution of adenoviral-mediated superoxide dismutase gene transfer to the reduction in nitric oxide-induced cytotoxicity on human islets and INS-1 insulin-secreting cells. <i>Diabetologia</i> , 2000, 43, 625-631.	2.9	55
45	Cytokines induce apoptosis in beta-cells isolated from mice lacking the inducible isoform of nitric oxide synthase (iNOS $^{-/-}$). <i>Diabetes</i> , 2000, 49, 1116-1122.	0.3	194
46	TNF α and IFN γ potentiate IL-1 β induced mitogen activated protein kinase activity in rat pancreatic islets of Langerhans. <i>Diabetologia</i> , 2000, 43, 1389-1396.	2.9	34
47	Nuclear factor- κ B inhibitor peptide inhibits spontaneous and interleukin-1 β -induced sleep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 279, R404-R413.	0.9	74
48	Cytotoxic Role of Nitric Oxide in Diabetes. , 2000, , 785-810.		13
49	The Acid Sphingomyelinase Inhibitor SR33557 Counteracts TNF α -Mediated Potentiation of IL-1 β -Induced NF- κ B Activation in the Insulin-Producing Cell Line RINm5F. <i>Autoimmunity</i> , 2000, 32, 241-254.	1.2	15
50	Protection of insulin-producing RINm5F cells against cytokine-mediated toxicity through overexpression of antioxidant enzymes.. <i>Diabetes</i> , 2000, 49, 1123-1130.	0.3	203
51	Interleukin-1 β Regulates Phospholipase D-1 Expression in Rat Pancreatic β -Cells*. <i>Endocrinology</i> , 2000, 141, 2822-2828.	1.4	15
52	Interferon- γ Induces Interleukin-1 Converting Enzyme Expression in Pancreatic Islets by an Interferon Regulatory Factor-1-Dependent Mechanism1. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000, 85, 830-836.	1.8	49
53	NF- κ B Is Required for Cytokine-Induced Manganese Superoxide Dismutase Expression in Insulin-Producing Cells1. <i>Endocrinology</i> , 2000, 141, 153-162.	1.4	62
54	Inhibition of Fas-Mediated Apoptosis in Mouse Insulinoma betaTC-3 Cells via an Anti-Fas Ribozyme. <i>Human Gene Therapy</i> , 2000, 11, 1033-1045.	1.4	15

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55	The c-Jun amino-terminal kinase pathway is preferentially activated by interleukin-1 and controls apoptosis in differentiating pancreatic beta-cells. <i>Diabetes</i> , 2000, 49, 1468-1476.	0.3	192
56	Cytokine- or chemically derived nitric oxide alters the expression of proteins detected by two-dimensional gel electrophoresis in neonatal rat islets of Langerhans. <i>Diabetes</i> , 2000, 49, 1819-1829.	0.3	50
57	Dominant Negative MyD88 Proteins Inhibit Interleukin-1 β /Interferon- γ -mediated Induction of Nuclear Factor κ B-dependent Nitrite Production and Apoptosis in β Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 37672-37678.	1.6	73
58	γ -Tocopherol Partially Protects Insulin-Secreting Cells against Functional Inhibition by Nitric Oxide. <i>Biochemical and Biophysical Research Communications</i> , 2000, 277, 334-340.	1.0	33
59	Pituitary Adenylate Cyclase-Activating Polypeptide Prevents Cytokine-Induced Cytotoxicity via Inhibition of Inducible Nitric Oxide Synthase Expression in β TC Cells. <i>Biochemical and Biophysical Research Communications</i> , 2000, 278, 211-216.	1.0	5
60	INTERLEUKIN-1 β INDUCES ORNITHINE DECARBOXYLASE ACTIVITY IN INSULIN-PRODUCING CELLS. <i>Cytokine</i> , 2000, 12, 49-54.	1.4	6
61	The Beta Cell in Autoimmune Diabetes: Many Mechanisms and Pathways of Loss. <i>Trends in Endocrinology and Metabolism</i> , 2000, 11, 11-15.	3.1	60
62	Islet Protein Expression Changes during Diabetes Development in Islet Syngrafts in BB-DP Rats and during Rejection of BB-DP Islet Allografts. <i>Autoimmunity</i> , 2000, 32, 1-15.	1.2	20
64	Effects of Second Messengers on Serine/Threonine Protein Phosphatases in Insulin-Secreting Cells. <i>Biochemical and Biophysical Research Communications</i> , 2001, 283, 364-368.	1.0	2
65	The Phosphodiesterase Inhibitors Pentoxifylline and Rolipram Suppress Macrophage Activation and Nitric Oxide Production in Vitro and in Vivo. <i>Clinical Immunology</i> , 2001, 98, 272-279.	1.4	73
66	Mechanisms of β -Cell Death in Response to Double-Stranded (ds) RNA and Interferon- γ . <i>American Journal of Pathology</i> , 2001, 159, 273-283.	1.9	53
67	Beneficial effect of supplementation with copper sulfate on STZ-diabetic mice (IDDM). <i>Diabetes Research and Clinical Practice</i> , 2001, 52, 77-84.	1.1	53
68	Indomethacin prevents the induction of inducible nitric oxide synthase in murine peritoneal macrophages and decreases their nitric oxide production. <i>Life Sciences</i> , 2001, 68, 1923-1930.	2.0	23
69	High-fructose diet decreases catalase mRNA levels in rat tissues. <i>Journal of Endocrinological Investigation</i> , 2001, 24, 838-845.	1.8	54
70	Proteome Analysis—A Novel Approach to Understand the Pathogenesis of Type 1 Diabetes Mellitus. <i>Disease Markers</i> , 2001, 17, 205-216.	0.6	18
71	Increased Cytokine-Induced Cytotoxicity of Pancreatic Islet Cells from Transgenic Mice Expressing the Src-like Tyrosine Kinase GTK. <i>Molecular Medicine</i> , 2001, 7, 301-310.	1.9	15
72	Interleukin-18 promotes sleep in rabbits and rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 281, R828-R838.	0.9	52
73	Dual role of interferon- γ signalling pathway in sensitivity of pancreatic β cells to immune destruction. <i>Diabetologia</i> , 2001, 44, 567-574.	2.9	27

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74	Low protein diet confers resistance to the inhibitory effects of interleukin 1 β on insulin secretion in pancreatic islets. <i>Journal of Nutritional Biochemistry</i> , 2001, 12, 285-291.	1.9	7
75	The role of oxidative stress in the onset and progression of diabetes and its complications: a summary of a Congress Series sponsored by UNESCO-MCBN, the American Diabetes Association and the German Diabetes Society. <i>Diabetes/Metabolism Research and Reviews</i> , 2001, 17, 189-212.	1.7	765
76	A Critical Role for Inducible Nitric Oxide Synthase in Host Survival Following Coxsackievirus B4 Infection. <i>Virology</i> , 2001, 281, 205-215.	1.1	51
77	A choice of death - the signal-transduction of immune-mediated beta-cell apoptosis. <i>Diabetologia</i> , 2001, 44, 2115-2133.	2.9	782
78	Inhibitors of Phosphodiesterase Isoforms III or IV Suppress Islet-Cell Nitric Oxide Production. <i>Laboratory Investigation</i> , 2001, 81, 1109-1117.	1.7	18
79	Role of p38 mitogen-activated protein kinase (p38 MAPK) in cytokine-induced rat islet cell apoptosis. 1 Abbreviations: IL-1 β , interleukin-1 β ; TNF- α , tumor necrosis factor- α ; IFN- γ , interferon- γ ; MAPK, mitogen-activated protein kinase; ERK, extracellular signal-regulated kinase; JNK, c-Jun NH2-terminal kinase; CREB, cAMP-responsive element-binding protein; iNOS, inducible nitric oxide synthase; ATF-2, activating transcription factor-2; STAT, signal transducer and activator of transcription; and MSK, mitogen-. <i>Biochemical Pharmacology</i> , 2001, 61, 1561-1569.	2.0	84
80	Evidence for involvement of c-Src in the anti-apoptotic action of nitric oxide in serum-deprived RINm5F cells. <i>Cellular Signalling</i> , 2001, 13, 809-817.	1.7	35
81	Nitric oxide-induced apoptosis in pancreatic β cells is mediated by the endoplasmic reticulum stress pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 10845-10850.	3.3	557
82	Expression of the Transcription Factor STAT-1 α in Insulinoma Cells Protects against Cytotoxic Effects of Multiple Cytokines. <i>Journal of Biological Chemistry</i> , 2001, 276, 766-772.	1.6	34
83	Protein Kinase C δ Activation by Interleukin-1 β Stabilizes Inducible Nitric-oxide Synthase mRNA in Pancreatic β -Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 5368-5374.	1.6	94
84	Beta-cell apoptosis and defense mechanisms: lessons from type 1 diabetes. <i>Diabetes</i> , 2001, 50, S64-S69.	0.3	157
85	Beta-cell apoptosis: stimuli and signaling. <i>Diabetes</i> , 2001, 50, S58-S63.	0.3	229
86	A Comprehensive Analysis of Cytokine-induced and Nuclear Factor- κ B-dependent Genes in Primary Rat Pancreatic β -Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 48879-48886.	1.6	264
87	Suppressor of cytokine signaling 3 (SOCS-3) protects β -cells against interleukin-1 α - and interferon- α -mediated toxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 12191-12196.	3.3	131
88	IFN- γ Affects Homing of Diabetogenic T Cells. <i>Journal of Immunology</i> , 2001, 167, 6637-6643.	0.4	94
89	Proteome Analysis of Interleukin-1 α -Induced Changes in Protein Expression in Rat Islets of Langerhans. <i>Diabetes</i> , 2001, 50, 1056-1063.	0.3	78
90	SOCS-1 Protein Prevents Janus Kinase/STAT-dependent Inhibition of β Cell Insulin Gene Transcription and Secretion in Response to Interferon- β . <i>Journal of Biological Chemistry</i> , 2001, 276, 25862-25870.	1.6	53
91	Tissue Inhibitor of Metalloproteinase-1 Prevents Cytokine-Mediated Dysfunction and Cytotoxicity in Pancreatic Islets and β -cells. <i>Diabetes</i> , 2001, 50, 1047-1055.	0.3	97

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92	Imidazoline compounds protect against interleukin 1beta-induced beta-cell apoptosis. <i>Diabetes</i> , 2001, 50, S70-S76.	0.3	41
93	Î²-Interferon Signaling in Pancreatic Î²-Cells Is Persistent but Can Be Terminated by Overexpression of Suppressor of Cytokine Signaling-1. <i>Diabetes</i> , 2001, 50, 2744-2751.	0.3	43
94	Identification of Novel Cytokine-Induced Genes in Pancreatic Î²-Cells by High-Density Oligonucleotide Arrays. <i>Diabetes</i> , 2001, 50, 909-920.	0.3	230
95	NFkappaB1 (p50)-deficient mice are not susceptible to multiple low-dose streptozotocin-induced diabetes. <i>Journal of Endocrinology</i> , 2002, 173, 457-464.	1.2	58
96	Neuronal NO Synthase and Its Inhibitor PIN Are Present and Influenced by Glucose in the Human Î²-Cell Line CM and in Rat INS-1 Cells. <i>Biological Chemistry</i> , 2002, 383, 1357-61.	1.2	5
97	A Metalloporphyrin-Based Superoxide Dismutase Mimic Inhibits Adoptive Transfer of Autoimmune Diabetes by a Diabetogenic T-Cell Clone. <i>Diabetes</i> , 2002, 51, 347-355.	0.3	181
98	Suppressor of Cytokine Signaling-1 Regulates the Sensitivity of Pancreatic Î² Cells to Tumor Necrosis Factor. <i>Journal of Biological Chemistry</i> , 2002, 277, 27945-27952.	1.6	68
99	Low Density Lipoprotein Can Cause Death of Islet Î²-Cells by Its Cellular Uptake and Oxidative Modification. <i>Endocrinology</i> , 2002, 143, 3449-3453.	1.4	120
100	Interleukin-1 Plus Î²-Interferon-Induced Pancreatic Î²-Cell Dysfunction Is Mediated by Î²-Cell Nitric Oxide Production. <i>Diabetes</i> , 2002, 51, 311-316.	0.3	158
101	Suppression of Interleukin-1Î²-Induced Nitric Oxide Production in RINm5F Cells by Inhibition of Glucose-6-phosphate Dehydrogenase. <i>Biochemistry</i> , 2002, 41, 14726-14733.	1.2	21
102	Protective effect of d-glucose, l-leucine and fetal calf serum against oxidative stress in neonatal pancreatic islets. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2002, 1588, 113-118.	1.8	12
103	Neuroimmunology of Sleep. , 0, , 1247-1257.		4
104	An Imidazoline Compound Completely Counteracts Interleukin-1Î² toxic Effects to Rat Pancreatic Islet Î² Cells. <i>Molecular Medicine</i> , 2002, 8, 536-545.	1.9	14
105	Oxidative and nitrosative stress induces peroxiredoxins in pancreatic beta cells. <i>Diabetologia</i> , 2002, 45, 867-876.	2.9	107
106	Oxidative Stress in Type 1 Diabetes. <i>Annals of the New York Academy of Sciences</i> , 2003, 1005, 43-54.	1.8	158
107	Use of Microarray Analysis to Unveil Transcription Factor and Gene Networks Contributing to Î² Cell Dysfunction and Apoptosis. <i>Annals of the New York Academy of Sciences</i> , 2003, 1005, 55-74.	1.8	51
108	Application of genomics and proteomics in Type 1 diabetes pathogenesis research. <i>Expert Review of Molecular Diagnostics</i> , 2003, 3, 743-757.	1.5	21
109	Protection of rat pancreatic islets by potassium channel openers against alloxan, sodium nitroprusside and interleukin-1Î² mediated suppression: possible involvement of the mitochondrial membrane potential. <i>Diabetologia</i> , 2003, 46, 80-88.	2.9	21

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110	IL-1 β and IFN- γ induce the expression of diverse chemokines and IL-15 in human and rat pancreatic islet cells, and in islets from pre-diabetic NOD mice. <i>Diabetologia</i> , 2003, 46, 255-266.	2.9	184
111	Inflammatory mediators and islet β -cell failure: a link between type 1 and type 2 diabetes. <i>Journal of Molecular Medicine</i> , 2003, 81, 455-470.	1.7	379
112	Prevention of primary non-function of islet xenografts in autoimmune diabetic NOD mice by anti-inflammatory agents. <i>Diabetologia</i> , 2003, 46, 1115-1123.	2.9	41
113	Suppressive effects of a selective inducible nitric oxide synthase (iNOS) inhibitor on pancreatic beta-cell dysfunction. <i>Diabetologia</i> , 2003, 46, 1228-1233.	2.9	23
114	Nitrosative stress in early Type 1 diabetes. <i>Clinical Autonomic Research</i> , 2003, 13, 406-421.	1.4	28
115	Effects of interleukin-15 on suppression of rat pancreatic islets in vitro induced by proinflammatory cytokines. <i>Immunology Letters</i> , 2003, 88, 141-145.	1.1	5
116	Macrophage overgrowth affects neighboring nonovergrown encapsulated islets ¹ . <i>Journal of Surgical Research</i> , 2003, 115, 235-241.	0.8	33
117	Proinflammatory cytokines induce NF- κ B-Dependent/NO-independent chemokine gene expression in MIN6 β cells. <i>Journal of Surgical Research</i> , 2003, 110, 295-303.	0.8	27
118	Induction of nitric oxide synthase and over-production of nitric oxide by interleukin-1 β in cultured lacrimal gland acinar cells. <i>Experimental Eye Research</i> , 2003, 77, 109-114.	1.2	29
119	Amomum xanthoides extract prevents cytokine-induced cell death of RINm5F cells through the inhibition of nitric oxide formation. <i>Life Sciences</i> , 2003, 73, 181-191.	2.0	25
120	Fructus Benincasae Recens Extract Prevents Cytokine-Induced Nitric Oxide Formation and Cytotoxicity of RINm5F Cells. <i>Immunopharmacology and Immunotoxicology</i> , 2003, 25, 615-625.	1.1	1
121	Surface and intracellular Fas expression associated with cytokine-induced apoptosis in rodent islet and insulinoma cells. <i>Journal of Molecular Endocrinology</i> , 2003, 30, 163-171.	1.1	10
122	Total Parenteral Nutrition-Stimulated Activity of Inducible Nitric Oxide Synthase in Rat Pancreatic Islets is Suppressed by Glucagon-Like Peptide-1. <i>Hormone and Metabolic Research</i> , 2003, 35, 48-54.	0.7	24
123	Role for c-Jun N-Terminal Kinase in β -Cell Recovery from Nitric Oxide-Mediated Damage. <i>Endocrinology</i> , 2003, 144, 3415-3422.	1.4	22
124	Oxidative Stress and Insulin Requirements in Patients with Recent-Onset Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 1624-1628.	1.8	65
125	Discrete and Complementary Mechanisms of Protection of β -Cells Against Cytokine-Induced and Oxidative Damage Achieved by bcl-2 Overexpression and a Cytokine Selection Strategy. <i>Diabetes</i> , 2003, 52, 1423-1432.	0.3	49
126	Strain Dependent Rat iNOS Promoter Activity ² Correlation to Identified WT1 Transcription Factor Binding Site. <i>Autoimmunity</i> , 2003, 36, 167-175.	1.2	11
127	Inhibition of IFN- γ -induced STAT1 activation by 15-deoxy- $\Delta^{12,14}$ -prostaglandin J ₂ . <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 284, E883-E891.	1.8	15

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128	An Octamer Motif Is Required for Activation of the Inducible Nitric Oxide Synthase Promoter in Pancreatic β -Cells. <i>Endocrinology</i> , 2004, 145, 1130-1136.	1.4	29
129	Role for Activating Transcription Factor 3 in Stress-Induced β -Cell Apoptosis. <i>Molecular and Cellular Biology</i> , 2004, 24, 5721-5732.	1.1	287
130	Role of Cyclooxygenase-2 in Cytokine-induced β -Cell Dysfunction and Damage by Isolated Rat and Human Islets. <i>Journal of Biological Chemistry</i> , 2004, 279, 53145-53151.	1.6	42
131	PPAR β is not required for the inhibitory actions of PGJ2 on cytokine signaling in pancreatic β -cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004, 286, E329-E336.	1.8	29
132	Protective effect of retinoic acid on interleukin-1 β -induced cytotoxicity of pancreatic β -cells. <i>Mechanisms of Ageing and Development</i> , 2004, 125, 483-490.	2.2	8
133	Inhibitory effects of epicatechin on interleukin-1 β -induced inducible nitric oxide synthase expression in RINm5F cells and rat pancreatic islets by down-regulation of NF- κ B activation. <i>Biochemical Pharmacology</i> , 2004, 68, 1775-1785.	2.0	56
134	Understanding of basic mechanisms of β -cell function and survival. <i>Cell Biochemistry and Biophysics</i> , 2004, 40, 159-167.	0.9	4
135	Understanding of basic mechanisms of β -cell function and survival. <i>Cell Biochemistry and Biophysics</i> , 2004, 2004, 159-167.	0.9	0
136	Changes in expression of IL-1 β /2 influenced proteins in transplanted islets during development of diabetes in diabetes-prone BB rats. <i>Diabetologia</i> , 2004, 47, 892-908.	2.9	25
137	Cytokines activate genes of the endocytotic pathway in insulin-producing RINm5F cells. <i>Diabetologia</i> , 2004, 47, 1292-1302.	2.9	21
138	Suppressor of cytokine signalling (SOCS)-3 protects beta cells against IL-1 β -mediated toxicity through inhibition of multiple nuclear factor- κ B-regulated proapoptotic pathways. <i>Diabetologia</i> , 2004, 47, 1998-2011.	2.9	51
139	The inhibition of retinal inducible nitric oxide synthase overexpression and the attenuation of experimental uveitis by anti-inflammatory drugs in rats. <i>Inflammation Research</i> , 2004, 53, 262-267.	1.6	8
140	Interferon- β : an overview of signals, mechanisms and functions. <i>Journal of Leukocyte Biology</i> , 2004, 75, 163-189.	1.5	3,315
141	Effect of polyethylene glycol grafted onto islet capsules on prevention of splenocyte and cytokine attacks. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2004, 15, 753-766.	1.9	47
142	Characterization of the peroxidase system at low H2O2 concentrations in isolated neonatal rat islets. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2004, 1690, 159-168.	1.8	2
143	Insulin feedback actions: complex effects involving isoforms of islet nitric oxide synthase. <i>Regulatory Peptides</i> , 2004, 122, 109-118.	1.9	32
144	The Combined Inducible Nitric Oxide Synthase Inhibitor and Free Radical Scavenger Guanidinoethylsulfide Prevents Multiple Low-Dose Streptozotocin-Induced Diabetes In Vivo and Interleukin-1 β -Induced Suppression of Islet Insulin Secretion In Vitro. <i>Pancreas</i> , 2004, 28, e39-e44.	0.5	21
145	The tyrosine kinase FRK/RAK participates in cytokine-induced islet cell cytotoxicity. <i>Biochemical Journal</i> , 2004, 382, 261-268.	1.7	18

#	ARTICLE	IF	CITATIONS
146	Mechanisms of Pancreatic β -Cell Death in Type 1 and Type 2 Diabetes: Many Differences, Few Similarities. <i>Diabetes</i> , 2005, 54, S97-S107.	0.3	1,296
147	Association between Endocrine Pancreas and Ductal System. More than an Epiphenomenon of Endocrine Differentiation and Development?. <i>Journal of Histochemistry and Cytochemistry</i> , 2005, 53, 1071-1086.	1.3	68
148	A biphasic role of nuclear transcription factor (NF)- κ B in the islet β -cell apoptosis induced by interleukin (IL)-1 β . <i>Journal of Cellular Physiology</i> , 2005, 204, 124-130.	2.0	39
149	Tumor necrosis factor- α -induced changes in insulin-producing β -cells. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , 2005, 286A, 982-993.	2.0	17
150	Interleukin-17 stimulates inducible nitric oxide synthase-dependent toxicity in mouse beta cells. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 2658-2668.	2.4	63
151	Glucose stimulates the expression and activities of nitric oxide synthases in incubated rat islets: an effect counteracted by GLP-1 through the cyclic AMP/PKA pathway. <i>Cell and Tissue Research</i> , 2005, 319, 221-230.	1.5	48
152	Interleukin-1 Stimulates β -Cell Necrosis and Release of the Immunological Adjuvant HMGB1. <i>PLoS Medicine</i> , 2005, 3, e17.	3.9	119
153	Regulation of pancreatic β -cell mass and proliferation by SOCS-3. <i>Journal of Molecular Endocrinology</i> , 2005, 35, 231-243.	1.1	52
154	STAT5 activation by human GH protects insulin-producing cells against interleukin-1 β , interferon- γ and tumour necrosis factor- α -induced apoptosis independent of nitric oxide production. <i>Journal of Endocrinology</i> , 2005, 187, 25-36.	1.2	39
155	Defective Glucose-Stimulated Insulin Release in the Diabetic Goto-Kakizaki (GK) Rat Coincides with Reduced Activity of the Islet Carbon Monoxide Signaling Pathway. <i>Endocrinology</i> , 2005, 146, 1553-1558.	1.4	42
156	Sex-Specific Effect of Insulin-Dependent Diabetes 4 on Regulation of Diabetes Pathogenesis in the Nonobese Diabetic Mouse. <i>Journal of Immunology</i> , 2005, 174, 7129-7140.	0.4	26
157	Protective effect of Coptidis Rhizoma on S-nitroso-N-acetylpenicillamine (SNAP)-induced apoptosis and necrosis in pancreatic RINm5F cells. <i>Life Sciences</i> , 2005, 76, 917-929.	2.0	17
158	Inflammatory gene expression in Coxsackievirus B-4-infected human islets of Langerhans. <i>Biochemical and Biophysical Research Communications</i> , 2005, 330, 571-576.	1.0	30
159	Chrelin activates neuronal constitutive nitric oxide synthase in pancreatic islet cells while inhibiting insulin release and stimulating glucagon release. <i>Regulatory Peptides</i> , 2005, 128, 51-56.	1.9	53
160	Genetic polymorphisms of GSTT1, GSTM1, and NQO1 genes and diabetes mellitus risk in Chinese population. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 310-313.	1.0	74
161	Immune-mediated β -cell destruction in vitro and in vivo—A pivotal role for galectin-3. <i>Biochemical and Biophysical Research Communications</i> , 2006, 344, 406-415.	1.0	41
162	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
163	Differences in the nitric oxide metabolism in streptozotocin-treated rats and children suffering from Type 1 diabetes. <i>Life Sciences</i> , 2006, 78, 1362-1370.	2.0	5

#	ARTICLE	IF	CITATIONS
164	Would blockage of cytokines improve the outcome of pancreatic islet transplantation?. Medical Hypotheses, 2006, 66, 816-819.	0.8	14
165	Role of MKK3 and p38 MAPK in cytokine-induced death of insulin-producing cells. Biochemical Journal, 2006, 393, 129-139.	1.7	24
166	Perturbations in nuclear factor- κ B or c-Jun N-terminal kinase pathways in pancreatic beta cells confer susceptibility to cytokine-induced cell death. Immunology and Cell Biology, 2006, 84, 20-27.	1.0	23
167	Different islet protein expression profiles during spontaneous diabetes development vs. allograft rejection in BB-DP rats. Autoimmunity, 2006, 39, 315-321.	1.2	2
168	Selective induction of inducible nitric oxide synthase in pancreatic islet of rat after an intravenous glucose or intralipid challenge. Nutrition, 2006, 22, 652-660.	1.1	11
169	Nitric oxide inhibits, and carbon monoxide activates, islet acid β -glucosidase activities in parallel with glucose-stimulated insulin secretion. Journal of Endocrinology, 2006, 190, 681-693.	1.2	41
170	Conditional and specific NF- κ B blockade protects pancreatic beta cells from diabetogenic agents. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5072-5077.	3.3	231
171	Endothelial Function and Arterial Stiffness in Uncomplicated Type 1 Diabetes and Healthy Controls and the Impact of Insulin on These Parameters during an Euglycemic Clamp. Journal of Diabetes Science and Technology, 2007, 1, 582-589.	1.3	9
172	Coptidis rhizoma extract protects against cytokine-induced death of pancreatic β -cells through suppression of NF- κ B activation. Experimental and Molecular Medicine, 2007, 39, 149-159.	3.2	26
173	PGJ2-stimulated β -cell apoptosis is associated with prolonged UPR activation. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E1052-E1061.	1.8	19
174	Osteopontin Protects the Islets and β -Cells from Interleukin-1 β -Mediated Cytotoxicity through Negative Feedback Regulation of Nitric Oxide. Endocrinology, 2007, 148, 575-584.	1.4	43
175	Endoplasmic Reticulum Stress Signaling in Pancreatic β -Cells. Antioxidants and Redox Signaling, 2007, 9, 2335-2344.	2.5	37
176	Inhibitory effect of Artemisia capillaris extract on cytokine-induced nitric oxide formation and cytotoxicity of RINm5F cells. International Journal of Molecular Medicine, 0, , .	1.8	9
177	Inhibition of Cytokine-Mediated Nitric Oxide Synthase Expression in Rat Insulinoma Cells by Scoparone. Biological and Pharmaceutical Bulletin, 2007, 30, 242-246.	0.6	21
178	Flavonoids Protect Against Cytokine-Induced Pancreatic β -Cell Damage Through Suppression of Nuclear Factor κ B Activation. Pancreas, 2007, 35, e1-e9.	0.5	85
179	Radix asari extract protects pancreatic β cells against cytokine-induced toxicity: Implication of the NF- κ B-iNOS signaling cascade. International Journal of Molecular Medicine, 0, , .	1.8	2
180	Activation of peroxisome proliferator-activated receptor- γ protects pancreatic β -cells from cytokine-induced cytotoxicity via NF- κ B pathway. International Journal of Biochemistry and Cell Biology, 2007, 39, 1260-1275.	1.2	84
181	Genistein protects pancreatic β cells against cytokine-mediated toxicity. Molecular and Cellular Endocrinology, 2007, 278, 18-28.	1.6	80

#	ARTICLE	IF	CITATIONS
182	Identification of a regulatory cis-element within the 3' untranslated region of the murine inducible nitric oxide synthase (iNOS) mRNA; interaction with heterogeneous nuclear ribonucleoproteins I and L and role in the iNOS gene expression. <i>Molecular Immunology</i> , 2007, 44, 434-442.	1.0	27
183	Interdiction of the Diabetic State in NOD Mice by Sustained Induction of Heme Oxygenase: Possible Role of Carbon Monoxide and Bilirubin. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 855-863.	2.5	44
184	Expression of islet inducible nitric oxide synthase and inhibition of glucose-stimulated insulin release after long-term lipid infusion in the rat is counteracted by PACAP27. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E1447-E1455.	1.8	15
185	Pathogenicity of T helper 2 T cell clones from T cell receptor transgenic non-obese diabetic mice is determined by tumour necrosis factor. <i>Immunology</i> , 2008, 123, 108-117.	2.0	6
186	Possible role of an ischemic preconditioning-like response mechanism in KATP channel opener-mediated protection against streptozotocin-induced suppression of rat pancreatic islet function. <i>Biochemical Pharmacology</i> , 2008, 76, 1748-1756.	2.0	18
187	Guggulsterone, a plant sterol, inhibits NF- κ B activation and protects pancreatic β cells from cytokine toxicity. <i>Molecular and Cellular Endocrinology</i> , 2008, 289, 49-59.	1.6	66
188	Heme Oxygenase: A Target Gene for Anti-Diabetic and Obesity. <i>Current Pharmaceutical Design</i> , 2008, 14, 412-421.	0.9	52
189	Interaction between pro-inflammatory and anti-inflammatory cytokines in insulin-producing cells. <i>Journal of Endocrinology</i> , 2008, 197, 139-150.	1.2	67
190	The Role of Nitric Oxide and the Unfolded Protein Response in Cytokine-Induced β -Cell Death. <i>Diabetes</i> , 2008, 57, 124-132.	0.3	76
191	Cytokine signalling in the β -cell: a dual role for IFN γ . <i>Biochemical Society Transactions</i> , 2008, 36, 328-333.	1.6	60
192	Genetic manipulation of islet cells in autoimmune diabetes: from bench to bedside. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 6155.	3.0	3
193	Detection and Regulation of Cationic Amino Acid Transporters in Healthy and Diseased Ocular Surface. <i>Investigative Ophthalmology and Visual Science</i> , 2009, 50, 1112.		23
194	Interferon signalling in pancreatic beta cells. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 644.	3.0	19
195	Overexpression of SIRT1 Protects Pancreatic β -Cells Against Cytokine Toxicity by Suppressing the Nuclear Factor- κ B Signaling Pathway. <i>Diabetes</i> , 2009, 58, 344-351.	0.3	323
196	Overexpression of the nuclear factor- κ B subunit c-Rel protects against human islet cell death in vitro. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E1067-E1077.	1.8	24
197	Nitric oxides mediates a shift from early necrosis to late apoptosis in cytokine-treated β -cells that is associated with irreversible DNA damage. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E1187-E1196.	1.8	39
198	JANEX-1, a JAK3 inhibitor, protects pancreatic islets from cytokine toxicity through downregulation of NF- κ B activation and the JAK/STAT pathway. <i>Experimental Cell Research</i> , 2009, 315, 2064-2071.	1.2	19
199	Diabetes mellitus and apoptosis: inflammatory cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 1435-1450.	2.2	17

#	ARTICLE	IF	CITATIONS
200	Upregulation of N-acetylaspartic acid alters inflammation, transcription and contractile associated protein levels in the stomach and smooth muscle contractility. <i>Molecular Biology Reports</i> , 2009, 36, 201-206.	1.0	19
201	Endoplasmic reticulum stress in β -cells and development of diabetes. <i>Current Opinion in Pharmacology</i> , 2009, 9, 763-770.	1.7	139
202	NO-mediated cytotoxicity contributes to multiple low-dose streptozotocin-induced diabetes but not to NOD diabetes. <i>Diabetes Research and Clinical Practice</i> , 2009, 83, 200-207.	1.1	13
203	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
204	Suppression of bank vole pancreatic islet function by proinflammatory cytokines. <i>Molecular and Cellular Endocrinology</i> , 2009, 305, 1-5.	1.6	5
205	Fructus Xanthii extract protects against cytokine-induced damage in pancreatic β -cells through suppression of NF- κ B activation. <i>International Journal of Molecular Medicine</i> , 2009, 23, 547-53.	1.8	13
206	Protective effect of <i>Neorhodomela aculeata</i> methanolic extract through the suppressive action on NF- κ B and STAT pathway in IL-1 β and IFN- γ induced β -cell damage. <i>Genes and Genomics</i> , 2010, 32, 239-246.	0.5	1
207	Advanced glycation end products and antioxidant status in nondiabetic and streptozotocin induced diabetic rats: effects of copper treatment. <i>BioMetals</i> , 2010, 23, 43-49.	1.8	10
208	Brief dexamethasone treatment during acute infection prevents virus-induced autoimmune diabetes. <i>Clinical Immunology</i> , 2010, 135, 401-411.	1.4	29
209	Sulfuretin protects against cytokine-induced β -cell damage and prevents streptozotocin-induced diabetes. <i>Experimental and Molecular Medicine</i> , 2010, 42, 628.	3.2	58
210	Diabetic GK/Par rat β -cells are spontaneously protected against H ₂ O ₂ -triggered apoptosis. A cAMP-dependent adaptive response. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 298, E17-E27.	1.8	20
211	Protective Effect of Hedgehog Signaling on Cytokine-Induced Cytotoxicity in Pancreatic Beta-Cells. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2010, 118, 692-698.	0.6	5
212	Stress hyperactivation in the β -cell. <i>Islets</i> , 2010, 2, 1-9.	0.9	57
213	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
215	Endoplasmic reticulum stress and pancreatic β -cell death. <i>Trends in Endocrinology and Metabolism</i> , 2011, 22, 266-74.	3.1	310
216	Saquinone protects pancreatic β cells against cytokine-mediated toxicity. <i>Toxicology in Vitro</i> , 2011, 25, 505-512.	1.1	9
217	Tacrolimus modulates liver and pancreas nitric oxide synthetase and heme-oxygenase isoforms and cytokine production after endotoxemia. <i>Nitric Oxide - Biology and Chemistry</i> , 2011, 24, 113-122.	1.2	2
218	Butein from <i>Rhus verniciflua</i> Protects Pancreatic β Cells against Cytokine-Induced Toxicity Mediated by Inhibition of Nitric Oxide Formation. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 97-102.	0.6	27

#	ARTICLE	IF	CITATIONS
219	Abnormally decreased NO and augmented CO production in islets of the leptin-deficient ob/ob mouse might contribute to explain hyperinsulinemia and islet survival in leptin-resistant type 2 obese diabetes. <i>Regulatory Peptides</i> , 2011, 170, 43-51.	1.9	10
220	The binary switch that controls the life and death decisions of ER stressed β cells. <i>Current Opinion in Cell Biology</i> , 2011, 23, 207-215.	2.6	69
221	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
222	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
223	Recombinant human prolactin promotes human beta cell survival via inhibition of extrinsic and intrinsic apoptosis pathways. <i>Diabetologia</i> , 2011, 54, 1388-1397.	2.9	56
224	Role of nitric oxide (NO) metabolism and inflammatory mediators in childhood obesity. <i>Inflammation Research</i> , 2011, 60, 1061-1070.	1.6	2
225	Independent component and pathway-based analysis of miRNA-regulated gene expression in a model of type 1 diabetes. <i>BMC Genomics</i> , 2011, 12, 97.	1.2	35
226	FoxO1 and SIRT1 Regulate β -Cell Responses to Nitric Oxide. <i>Journal of Biological Chemistry</i> , 2011, 286, 8338-8348.	1.6	66
227	Cytokine-mediated β -cell damage in PARP-1-deficient islets. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E172-E179.	1.8	22
228	Current advances in ER stress intervention therapies. , 2012, , 429-445.		0
229	Cytokine-induced human islet cell death in vitro correlates with a persistently high phosphorylation of STAT-1, but not with NF- κ B activation. <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 845-850.	1.0	10
230	Effect of Quercetin on the Endocrine Pancreas of the Experimentally Induced Diabetes in Male Albino Rats: A Histological and Immunohistochemical Study. <i>Journal of Diabetes & Metabolism</i> , 2012, 03, .	0.2	25
231	Redox-regulating role of insulin: The essence of insulin effect. <i>Molecular and Cellular Endocrinology</i> , 2012, 349, 111-127.	1.6	44
232	Proteins differentially expressed in human beta-cells-enriched pancreatic islet cultures and human insulinomas. <i>Molecular and Cellular Endocrinology</i> , 2013, 381, 16-25.	1.6	3
233	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
234	Protein-Mediated Interactions of Pancreatic Islet Cells. <i>Scientifica</i> , 2013, 2013, 1-22.	0.6	31
235	Nitric Oxide Is a Mediator of Antiproliferative Effects Induced by Proinflammatory Cytokines on Pancreatic Beta Cells. <i>Mediators of Inflammation</i> , 2013, 2013, 1-10.	1.4	21
236	SUMOylation protects against IL-1 β -induced apoptosis in INS-1 832/13 cells and human islets. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E664-E673.	1.8	17

#	ARTICLE	IF	CITATIONS
237	Î²-Cell Responses to Nitric Oxide. <i>Vitamins and Hormones</i> , 2014, 95, 299-322.	0.7	34
238	Cudraticusxanthone A protect pancreatic beta cells from cytokines-mediated toxicity through the inhibition of NF-Î²B and STAT pathways. <i>International Immunopharmacology</i> , 2014, 21, 26-33.	1.7	9
239	Can CD44 Be a Mediator of Cell Destruction? The Challenge of Type 1 Diabetes. <i>PLoS ONE</i> , 2015, 10, e0143589.	1.1	20
240	Emodin isolated from <i>Rheum palmatum</i> prevents cytokine-induced Î²-cell damage and the development of type 1 diabetes. <i>Journal of Functional Foods</i> , 2015, 16, 9-19.	1.6	17
241	In vivo and in vitro antidiabetic effects of citrus flavonoids; a study on the mechanism of action. <i>International Journal of Diabetes in Developing Countries</i> , 2015, 35, 250-263.	0.3	47
242	Role of the AMP kinase in cytokine-induced human EndoC-Î²H1 cell death. <i>Molecular and Cellular Endocrinology</i> , 2015, 414, 53-63.	1.6	20
243	Transduction of PEP-1-heme oxygenase-1 into insulin-producing INS-1 cells protects them against cytokine-induced cell death. <i>Biochemical and Biophysical Research Communications</i> , 2015, 461, 549-554.	1.0	7
244	Recurrent hypoinsulinemic hyperglycemia in neonatal rats increases PARP-1 and NF-Î²B expression and leads to microglial activation in the cerebral cortex. <i>Pediatric Research</i> , 2015, 78, 513-519.	1.1	12
245	Protective effect of hydrogen sulfide on pancreatic beta-cells. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 46, 32-36.	1.2	20
246	Survival of encapsulated islets: More than a membrane story. <i>World Journal of Transplantation</i> , 2016, 6, 69.	0.6	105
247	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
248	Activation of Nicotinic Acetylcholine Receptors Decreases Apoptosis in Human and Female Murine Pancreatic Islets. <i>Endocrinology</i> , 2016, 157, 3800-3808.	1.4	8
249	Sensitivity profile of the human EndoC-Î²H1 beta cell line to proinflammatory cytokines. <i>Diabetologia</i> , 2016, 59, 2125-2133.	2.9	54
250	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
251	Increased expression of immune-related genes in leukocytes of patients with diagnosed gestational diabetes mellitus (GDM). <i>Experimental Biology and Medicine</i> , 2016, 241, 457-465.	1.1	22
252	Pannexin-2-deficiency sensitizes pancreatic Î²-cells to cytokine-induced apoptosis in vitro and impairs glucose tolerance in vivo. <i>Molecular and Cellular Endocrinology</i> , 2017, 448, 108-121.	1.6	10
253	Protein kinase C isoforms in the normal pancreas and in pancreatic disease. <i>Cellular Signalling</i> , 2017, 40, 1-9.	1.7	18
254	Thymoquinone (TQ) inhibits the replication of intracellular <i>Mycobacterium tuberculosis</i> in macrophages and modulates nitric oxide production. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 279.	3.7	29

#	ARTICLE	IF	CITATIONS
255	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
256	MicroRNA-423 may regulate diabetic vasculopathy. <i>Clinical and Experimental Medicine</i> , 2019, 19, 469-477.	1.9	27
257	Centaurium erythraea extract improves survival and functionality of pancreatic beta-cells in diabetes through multiple routes of action. <i>Journal of Ethnopharmacology</i> , 2019, 242, 112043.	2.0	15
258	Expression levels of enzymes generating NO and CO in islets of murine and human diabetes. <i>Biochemical and Biophysical Research Communications</i> , 2019, 520, 473-478.	1.0	3
259	Diol-ginsenosides from Korean Red Ginseng delay the development of type 1 diabetes in diabetes-prone biobreeding rats. <i>Journal of Ginseng Research</i> , 2020, 44, 619-626.	3.0	7
260	Low concentration IL-1 β promotes islet amyloid formation by increasing hIAPP release from humanised mouse islets in vitro. <i>Diabetologia</i> , 2020, 63, 2385-2395.	2.9	10
261	Good Cop, Bad Cop: The Opposing Effects of Macrophage Activation State on Maintaining or Damaging Functional β -Cell Mass. <i>Metabolites</i> , 2020, 10, 485.	1.3	13
262	Can insulin secreting pancreatic β -cells provide novel insights into the metabolic regulation of the DNA damage response?. <i>Biochemical Pharmacology</i> , 2020, 176, 113907.	2.0	6
263	Islets of Langerhans phenotype alterations induced by fatty diet and physical activity levels in Wistar rats. <i>Nutrition</i> , 2020, 79-80, 110838.	1.1	1
264	Syntaxin 4 Mediates NF- κ B Signaling and Chemokine Ligand Expression via Specific Interaction With β 2-Microglobulin. <i>Diabetes</i> , 2021, 70, 889-902.	0.3	5
265	Single-cell RNA sequencing of mouse islets exposed to proinflammatory cytokines. <i>Life Science Alliance</i> , 2021, 4, e202000949.	1.3	16
266	Dysregulation of nitric oxide synthases during early and late pathophysiological conditions of diabetes mellitus leads to amassing of microvascular impediment. <i>Journal of Diabetes and Metabolic Disorders</i> , 2021, 20, 989-1002.	0.8	9
267	An updated systematic review and dose-response meta-analysis of the randomized controlled trials on the effects of alpha-lipoic acid supplementation on inflammatory biomarkers. <i>International Journal for Vitamin and Nutrition Research</i> , 2023, 93, 164-177.	0.6	1
268	Communication of Islet Cells: Molecules and Functions. <i>Growth Hormone</i> , 2001, , 143-163.	0.2	4
269	β Cell Protection by Inhibition of iNOS Through Lentiviral Vector-Based Strategies. <i>Methods in Molecular Biology</i> , 2011, 704, 153-168.	0.4	9
270	Heparanase and Type 1 Diabetes. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1221, 607-630.	0.8	12
271	Nitric Oxide in the Immunopathogenesis of Type 1 Diabetes. <i>Handbook of Experimental Pharmacology</i> , 2000, , 525-544.	0.9	2
272	IFN-gamma action on pancreatic beta cells causes class I MHC upregulation but not diabetes.. <i>Journal of Clinical Investigation</i> , 1998, 102, 1249-1257.	3.9	116

#	ARTICLE	IF	CITATIONS
273	Connexins protect mouse pancreatic β cells against apoptosis. <i>Journal of Clinical Investigation</i> , 2011, 121, 4870-4879.	3.9	61
274	Role of Interleukin 17 in Arthritis Chronicity through Survival of Synoviocytes via Regulation of Synovialin Expression. <i>PLoS ONE</i> , 2010, 5, e13416.	1.1	76
275	Effects of Imatinib Mesylate (Gleevec) on Human Islet NF-kappaB Activation and Chemokine Production In Vitro. <i>PLoS ONE</i> , 2011, 6, e24831.	1.1	20
276	Evaluation of Glutathione S-Transferase GSTM1 and GSTT1 Deletion Polymorphisms on Type-2 Diabetes Mellitus Risk. <i>PLoS ONE</i> , 2013, 8, e76262.	1.1	47
277	Metformin Ameliorates Dysfunctional Traits of Glibenclamide- and Glucose-Induced Insulin Secretion by Suppression of Imposed Overactivity of the Islet Nitric Oxide Synthase-NO System. <i>PLoS ONE</i> , 2016, 11, e0165668.	1.1	14
278	Ursolic Acid Reduces Mycobacterium tuberculosis-Induced Nitric Oxide Release in Human Alveolar A549 cells. <i>Molecules and Cells</i> , 2015, 38, 610-615.	1.0	11
279	Expression of nitric oxide synthases in the pathophysiology of cardiovascular diseases. <i>Arquivos Brasileiros De Cardiologia</i> , 2000, 74, 380-93.	0.3	26
280	While Tinkering With the β -Cell... Metabolic Regulatory Mechanisms and New Therapeutic Strategies: American Diabetes Association Lilly Lecture, 2001. <i>Diabetes</i> , 2002, 51, 3141-3150.	0.3	27
281	Inducible nitric oxide synthase immunoreactivity in healthy rat pancreas.. <i>Folia Histochemica Et Cytobiologica</i> , 2008, 46, 213-7.	0.6	9
282	Exendin-4 protects murine MIN6 pancreatic β -cells from interleukin-1 β -induced apoptosis via the NF- κ B pathway. <i>Journal of Endocrinological Investigation</i> , 2013, 36, 803-11.	1.8	2
283	Oxidative Stress in Type 1 Diabetes. , 2005, , 319-344.		0
284	Reactive Oxygen Species “ Key Immune Mediators in Type 1 Diabetes. , 2014, , 3493-3520.		0
286	Regulation of inducible nitric oxide synthase expression in beta cells by environmental factors: heavy metals. <i>Biochemical Journal</i> , 1999, 338 (Pt 3), 695-700.	1.7	6
287	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
288	Ellagic Acid Alleviates Diquat-Induced Jejunum Oxidative Stress in C57BL/6 Mice through Activating Nrf2 Mediated Signaling Pathway. <i>Nutrients</i> , 2022, 14, 1103.	1.7	8
290	Isoliquiritigenin Attenuates Mycobacterium Tuberculosis-Induced Inflammation Through Notch1/Nf- κ B and Mapk Signaling Pathways. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
291	The licorice flavonoid isoliquiritigenin attenuates Mycobacterium tuberculosis-induced inflammation through Notch1/NF- κ B and MAPK signaling pathways. <i>Journal of Ethnopharmacology</i> , 2022, 294, 115368.	2.0	16
292	Role of Keap1-Nrf2/ARE signal transduction pathway in protection of dexmedetomidine preconditioning against myocardial ischemia/reperfusion injury. <i>Bioscience Reports</i> , 2022, 42, .	1.1	9

#	ARTICLE	IF	CITATIONS
293	Enhancing Bioactive Components of <i>Euryale ferox</i> with <i>Lactobacillus curvatus</i> to Reduce H ₂ O ₂ -Induced Oxidative Stress in Human Skin Fibroblasts. <i>Antioxidants</i> , 2022, 11, 1881.	2.2	2
294	Kinetic and data-driven modeling of pancreatic β -cell central carbon metabolism and insulin secretion. <i>PLoS Computational Biology</i> , 2022, 18, e1010555.	1.5	3
295	Evidence That β Cell Death in the Nonobese Diabetic Mouse Is Fas Independent. <i>Journal of Immunology</i> , 1999, 163, 1562-1569.	0.4	82
296	Role of Inflammatory Infiltrate in Activation and Effector Function of Cloned Islet Reactive Nonobese Diabetic CD8+ T Cells: Involvement of a Nitric Oxide-Dependent Pathway. <i>Journal of Immunology</i> , 1999, 163, 5770-5780.	0.4	21
298	Biochemistry and immunology of inflammation-mediated responses in the development of diabetes mellitus. , 2024, , 169-207.		0