

Mouse models of insulin dependent diabetes: Low dose nonobese diabetic (NOD) mice

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Immune intervention studies in insulin-dependent diabetes mellitus. <i>Diabetes/metabolism Reviews</i> , 1987, 3, 1017-1035.	0.2	22
2	Effect of probucol on development of diabetes mellitus in BB rats. <i>American Journal of Cardiology</i> , 1988, 62, B27-B30.	0.7	40
3	Administration of a 60 kD molecular fraction from pancreatic islets suppresses immune mediated diabetes in mice. <i>Journal of Autoimmunity</i> , 1988, 1, 243-252.	3.0	2
4	Essential fatty acid deficiency prevents multiple low-dose streptozotocin-induced diabetes in CD-1 mice.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988, 85, 6137-6141.	3.3	28
5	The epidemiology of diabetes in childhood with special reference to the orient: Implications for mechanism of beta cell damage. <i>Indian Journal of Pediatrics</i> , 1989, 56, S15-S32.	0.3	2
6	Effects of (15 α)-deoxyspergualin on Pancreatic Islet Cell Function <i>in Vitro</i> and on the Development of Diabetes after Multiple Low Dose Streptozotocin Administration. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1989, 65, 114-118.	0.0	11
7	Pathogenesis of low dose streptozotocin induced diabetes in mice: requirement for β 1-adrenoceptor activation and vasoactive amine release. <i>Diabetologia</i> , 1989, 32, 140-142.	2.9	12
8	Modulation of low-dose streptozotocin-induced diabetes in mice by administration of antibodies to I-A, I-E and I-J determinants. <i>Diabetologia</i> , 1989, 32, 173-176.	2.9	11
9	Lessons from the NOD mouse for the pathogenesis and immunotherapy of human Type 1 (insulin-dependent) diabetes mellitus. <i>Diabetologia</i> , 1989, 32, 703-708.	2.9	83
10	Immunological aspects of diabetes mellitus: Prospects for pharmacological modification. , 1989, 44, 351-406.		9
11	A Role for Macrophages in the Pathogenesis of Type 1 Diabetes. <i>Autoimmunity</i> , 1989, 3, 145-155.	1.2	36
12	Reversal of beta-cell suppression in vitro in pancreatic islets isolated from nonobese diabetic mice during the phase preceding insulin-dependent diabetes mellitus.. <i>Journal of Clinical Investigation</i> , 1990, 85, 1944-1950.	3.9	70
13	Development of cytotoxic islet cell antibodies in rats following damage of the pancreas by complete freund's adjuvant combined with a nondiabetogenic dose of streptozotocin. <i>International Journal of Gastrointestinal Cancer</i> , 1990, 6, 33-48.	0.4	0
14	B cell-adherent splenocytes precede the onset of diabetes in low-dose streptozotocin-treated mice. <i>Diabetologia</i> , 1990, 33, 9-14.	2.9	7
15	Anti-interleukin 2 receptor antibody attenuates low-dose streptozotocin-induced diabetes in mice. <i>Diabetologia</i> , 1990, 33, 266-271.	2.9	13
16	Autoimmune Destruction of Islets Transplanted Into RT6-Depleted Diabetes-Resistant BB/Wor Rats. <i>Diabetes</i> , 1990, 39, 643-645.	0.3	24
17	Immunohistochemical study of insulinitis induced by multiple low doses of streptozocin in CD-1 mice. <i>Diabetes Research and Clinical Practice</i> , 1990, 9, 75-82.	1.1	11
18	Phagocyte oxidative metabolism in cyclosporine-or placebo-treated patients with insulin-dependent (Type I) diabetes mellitus of recent onset. <i>Journal of Autoimmunity</i> , 1990, 3, 201-213.	3.0	7

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19	Probucol attenuated hyperglycemia in multiple low-dose streptozotocin-induced diabetic mice. <i>Life Sciences</i> , 1991, 49, 1331-1338.	2.0	10
20	Methimazole treatment aggravates low-dose streptozotocin-induced diabetes. <i>Diabetes Research and Clinical Practice</i> , 1991, 11, 53-58.	1.1	2
21	Sex steroids, glucocorticoids, stress and autoimmunity. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1991, 40, 619-637.	1.2	223
22	Prevention of low dose streptozotocin-induced diabetes by acetyl-homocysteine-thiolactone. <i>Diabetes Research and Clinical Practice</i> , 1991, 13, 95-102.	1.1	11
23	Transgenic Mice with Ectopic Expression of Alloantigenic MHC Molecules - Why Are They So Different and of How Much Help Are They?. <i>Immunological Reviews</i> , 1991, 122, 21-32.	2.8	8
24	The anti-diabetogenic effect of essential fatty acid deficiency in multiple low-dose streptozotocin-treated mice persists if essential fatty acid repletion occurs outside of a brief window of susceptibility. <i>Diabetologia</i> , 1991, 34, 709-714.	2.9	6
25	Heparin attenuates low-dose streptozotocin-induced immune diabetes in mice and inhibits the Beta-cell binding of T-splenocytes in vitro. <i>Diabetologia</i> , 1991, 34, 212-217.	2.9	5
26	Prediction and Prevention of IDDM in 1991. <i>Diabetes</i> , 1991, 40, 943-947.	0.3	64
27	Prospective Investigations of Long-term Normoglycaemic BB/OK-rats: Serial Determination of Glucose Tolerance, Insulinitis, B-cell Volume Density and Pancreatic Insulin Content. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 1991, 98, 185-192.	0.6	5
28	Oral Prevention Of Type I Diabetes. <i>Autoimmunity</i> , 1991, 11, 133-133.	1.2	1
29	Ganglioside therapy of type I diabetes: Enhancement of hyperglycemia in the low dose streptozotocin model. <i>Life Sciences</i> , 1992, 51, 49-52.	2.0	4
30	Partial protection of 1,25-dihydroxyvitamin D3 against the development of diabetes induced by multiple low-dose streptozotocin injection in CD-1 mice. <i>Metabolism: Clinical and Experimental</i> , 1992, 41, 631-635.	1.5	34
31	Role of infiltrating T cells for impaired glucose metabolism in pancreatic islets isolated from non-obese diabetic mice. <i>Diabetologia</i> , 1992, 35, 924-931.	2.9	15
32	Low dose streptozotocin-induced diabetes in mice: Reduced IL-2 production and modulation of streptozotocin-induced hyperglycemia by IL-2. <i>International Journal of Immunopharmacology</i> , 1992, 14, 1037-1044.	1.1	5
33	Nitric oxide: a pathogenetic factor in autoimmunity. <i>Trends in Immunology</i> , 1992, 13, 157-160.	7.5	345
34	Ultrastructural observations on cytotoxic effector cells infiltrating pancreatic islets of low-dose streptozotocin treated mice. <i>Virchows Archiv A, Pathological Anatomy and Histopathology</i> , 1992, 420, 5-10.	1.4	15
35	Human autoantibodies react with glutamic acid decarboxylase antigen in human and rat but not in mouse pancreatic islets. <i>Diabetologia</i> , 1993, 36, 39-46.	2.9	38
36	Animal models of human lipid metabolism. <i>Progress in Lipid Research</i> , 1993, 32, 1-24.	5.3	51

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37	The Effect of Cyclophosphamide Treatment on Lymphocyte Subsets in the Nonobese Diabetic Mouse: A Comparison of Various Lymphoid organs. <i>Autoimmunity</i> , 1993, 15, 1-10.	1.2	18
38	Preventive effects of azathioprine (AZA) on the onset of diabetes mellitus in NOD mice. <i>Journal of Endocrinological Investigation</i> , 1993, 16, 869-873.	1.8	7
39	Production of anti-cardiolipin antibody in AKR/J mice with streptozocin-induced insulinitis and diabetes. <i>Diabetes Research and Clinical Practice</i> , 1993, 20, 29-37.	1.1	11
40	Effect of lipoic acid on cyclophosphamide-induced diabetes and insulinitis in non-obese diabetic mice. <i>International Journal of Immunopharmacology</i> , 1994, 16, 61-66.	1.1	31
41	Effects of streptozotocin-induced diabetes on lymphocyte POMC and growth hormone gene expression in the rat. <i>Journal of Neuroimmunology</i> , 1994, 49, 35-44.	1.1	6
42	Free fatty acid profiles in the non-obese diabetic (NOD) mouse: Basal serum levels and effects of endocrine manipulation. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 1994, 51, 125-131.	1.0	8
43	Latent autoimmune diabetes mellitus in adult humans with non-insulin-dependent diabetes: is <i>Psammomys obesus</i> a suitable animal model?. <i>Acta Diabetologica</i> , 1995, 32, 92-94.	1.2	14
44	Essential fatty acid deficiency prevents multiple low-dose streptozotocin-induced diabetes in naive and cyclosporin-treated low-responder murine strains. <i>Acta Diabetologica</i> , 1995, 32, 125-130.	1.2	12
45	Environmental risk factors in human type 1 diabetes—An epidemiological perspective. <i>Diabetes/metabolism Reviews</i> , 1995, 11, 37-46.	0.2	55
46	Nitric Oxide Generation during Cellular Metabolization of the Diabetogenic N-Methyl-N-Nitroso-Urea Streptozotocin Contributes to Islet Cell DNA Damage. <i>Biological Chemistry Hoppe-Seyler</i> , 1995, 376, 179-186.	1.4	180
47	Islet amyloid polypeptide (IAPP) secretion from pancreatic islets isolated from non-obese diabetic (NOD) mice. <i>Regulatory Peptides</i> , 1996, 63, 39-45.	1.9	7
48	Role of insulin and IGF-I in activation of muscle protein synthesis after oral feeding. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1996, 270, E614-E620.	1.8	35
49	Role of the pineal gland and melatonin in the development of autoimmune diabetes in non-obese diabetic mice. <i>Journal of Pineal Research</i> , 1996, 20, 164-172.	3.4	39
50	Viruses and Other Perinatal Exposures as Initiating Events for β -cell Destruction. <i>Annals of Medicine</i> , 1997, 29, 413-417.	1.5	52
51	Postprandial stimulation of muscle protein synthesis is independent of changes in insulin. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1997, 272, E841-E847.	1.8	41
52	Adaptation of intestinal nutrient transport in health and disease. Part I. <i>Digestive Diseases and Sciences</i> , 1997, 42, 453-469.	1.1	39
53	Adaptation of intestinal nutrient transport in health and disease. Part II. <i>Digestive Diseases and Sciences</i> , 1997, 42, 470-488.	1.1	21
54	Insulin-dependent diabetes mellitus: Islet changes in relation to etiology and pathogenesis. <i>Endocrine Pathology</i> , 1997, 8, 273-282.	5.2	11

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55	Immunophenotyping of insulinitis in control and essential fatty acid deficient mice treated with multiple low-dose streptozotocin. <i>Diabetologia</i> , 1997, 40, 1263-1268.	2.9	9
56	Antral endocrine cells in nonobese diabetic mice. <i>Digestive Diseases and Sciences</i> , 1998, 43, 1031-1037.	1.1	13
57	Abnormalities of Small Intestinal Endocrine Cells in Non-Obese Diabetic Mice. <i>Journal of Diabetes and Its Complications</i> , 1998, 12, 215-223.	1.2	20
58	Large Intestinal Endocrine Cells in Non-Obese Diabetic Mice. <i>Journal of Diabetes and Its Complications</i> , 1998, 12, 321-327.	1.2	26
59	Substance P in the Gastrointestinal Tract of Non-Obese Diabetic Mice. <i>Scandinavian Journal of Gastroenterology</i> , 1998, 33, 394-400.	0.6	25
60	Insulin-Dependent Diabetes Mellitus, <i>Experimental Models</i> . , 1998, , 1390-1398.		17
61	Preserved Pulsatile Insulin Release from Prediabetic Mouse Islets1. <i>Endocrinology</i> , 1999, 140, 3999-4004.	1.4	8
62	Early prophylaxis with recombinant human interleukin-11 prevents spontaneous diabetes in NOD mice. <i>Diabetes</i> , 1999, 48, 2333-2339.	0.3	18
63	Interleukin-13 prevents autoimmune diabetes in NOD mice. <i>Diabetes</i> , 1999, 48, 1522-1528.	0.3	80
64	In vivo microscopy of murine islets of Langerhans: increased adhesion of transferred lymphocytes to islets depends on macrophage-derived cytokines in a model of organ-specific insulinitis. <i>Immunology</i> , 1999, 98, 111-115.	2.0	10
65	Mice lacking the poly(ADP-ribose) polymerase gene are resistant to pancreatic beta-cell destruction and diabetes development induced by streptozocin. <i>Nature Medicine</i> , 1999, 5, 314-319.	15.2	348
66	Neuroendocrine Peptides in Stomach and Colon of an Animal Model for Human Diabetes Type I. <i>Journal of Diabetes and Its Complications</i> , 1999, 13, 170-173.	1.2	12
67	BCG vaccine prevents insulinitis in low dose streptozotocin-induced diabetic mice. <i>Diabetes Research and Clinical Practice</i> , 1999, 46, 91-97.	1.1	12
68	Troglitazone can prevent development of type 1 diabetes induced by multiple low-dose streptozotocin in mice. <i>Life Sciences</i> , 1999, 65, 1287-1296.	2.0	23
69	Pathophysiology of impaired pulsatile insulin release. <i>Diabetes/Metabolism Research and Reviews</i> , 2000, 16, 179-191.	1.7	58
70	RNA and protein expression of the murine autoimmune regulator gene (<i>Aire</i>) in normal, RelB-deficient and in NOD mouse. <i>European Journal of Immunology</i> , 2000, 30, 1884-1893.	1.6	168
71	Expression of Pancreatic Islet MHC Class I, Insulin, and ICA 512 Tyrosine Phosphatase in Low-dose Streptozotocin-induced Diabetes in Mice. <i>Journal of Histochemistry and Cytochemistry</i> , 2000, 48, 761-767.	1.3	3
72	Suppression of insulinitis and diabetes in B cell-deficient mice treated with streptozocin: B cells are essential for the TCR clonotype spreading of islet-infiltrating T cells. <i>International Immunology</i> , 2000, 12, 1075-1083.	1.8	11

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73	Islet Blood Flow in Multiple Low Dose Streptozotocin-Treated Wild-Type and Inducible Nitric Oxide Synthase-Deficient Mice*. <i>Endocrinology</i> , 2000, 141, 2752-2757.	1.4	21
74	Islet loss and alpha cell expansion in type 1 diabetes induced by multiple low-dose streptozotocin administration in mice. <i>Journal of Endocrinology</i> , 2000, 165, 93-99.	1.2	92
75	Activation of Insulin Signal Transduction Pathway and Anti-diabetic Activity of Small Molecule Insulin Receptor Activators. <i>Journal of Biological Chemistry</i> , 2000, 275, 36590-36595.	1.6	65
76	Streptozotocin-Induced β -Cell Death Is Independent of Its Inhibition of O-GlcNAcase in Pancreatic Min6 Cells. <i>Archives of Biochemistry and Biophysics</i> , 2000, 383, 296-302.	1.4	60
77	Sodium Fusidate Ameliorates the Course of Diabetes Induced in Mice by Multiple Low Doses of Streptozotocin. <i>Journal of Autoimmunity</i> , 2000, 15, 395-405.	3.0	8
78	Up-regulation of splenic prohormone convertases PC1 and PC2 in diabetic rats. <i>Regulatory Peptides</i> , 2001, 102, 135-145.	1.9	9
79	Oxidative Stress and Diabetic Cardiomyopathy: A Brief Review. <i>Cardiovascular Toxicology</i> , 2001, 1, 181-194.	1.1	335
80	NF κ B1 (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
81	Pulsatile Insulin Release From Islets Isolated From Three Subjects With Type 2 Diabetes. <i>Diabetes</i> , 2002, 51, 988-993.	0.3	36
82	The Therapeutic Potential of Poly(ADP-Ribose) Polymerase Inhibitors. <i>Pharmacological Reviews</i> , 2002, 54, 375-429.	7.1	1,236
83	Low Expression of Insulin in the Thymus of Non-obese Diabetic Mice. <i>Journal of Autoimmunity</i> , 2002, 19, 203-213.	3.0	27
84	Population genetics and functions of the autoimmune regulator (AIRE). <i>Endocrinology and Metabolism Clinics of North America</i> , 2002, 31, 321-338.	1.2	33
85	Granulocyte macrophage-colony stimulating factor (GM-CSF) recruits immune cells to the pancreas and delays STZ-induced diabetes. <i>Journal of Pathology</i> , 2002, 196, 103-112.	2.1	39
86	Peptide therapy for Type I diabetes: the immunological homunculus and the rationale for vaccination. <i>Diabetologia</i> , 2002, 45, 1468-1474.	2.9	49
87	Transcriptional Regulation of Type I Diabetes by NF- κ B. <i>Journal of Immunology</i> , 2003, 171, 4886-4892.	0.4	70
88	INGAP peptide improves nerve function and enhances regeneration in streptozotocin-induced diabetic C57BL/6 mice. <i>FASEB Journal</i> , 2004, 18, 1767-1769.	0.2	39
89	The protective effect of ursodeoxycholic acid in alloxan-induced diabetes. <i>Cell Biochemistry and Function</i> , 2004, 22, 97-103.	1.4	13
90	Beyond the red cell: pegylation of other blood cells and tissues. <i>Transfusion Clinique Et Biologique</i> , 2004, 11, 40-46.	0.2	62

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91	Lisofylline, a novel anti-inflammatory agent, enhances glucose-stimulated insulin secretion in vivo and in vitro: studies in prediabetic and normal rats. <i>Metabolism: Clinical and Experimental</i> , 2004, 53, 290-296.	1.5	26
92	Molecular Genetic Approaches for Studying the Etiology of Diabetic Nephropathy. <i>Current Molecular Medicine</i> , 2005, 5, 509-525.	0.6	37
93	Tumor Suppressor p53 Inhibits Autoimmune Inflammation and Macrophage Function. <i>Diabetes</i> , 2005, 54, 1423-1428.	0.3	126
94	Alterations in net glucose uptake and in the pancreatic B-cell GLUT2 transporter induced by diazoxide and by secretory stimuli. <i>Journal of Endocrinology</i> , 2005, 185, 291-299.	1.2	10
95	Diabetic nephropathy: Of mice and men. <i>Advances in Chronic Kidney Disease</i> , 2005, 12, 128-145.	0.6	50
96	Mouse Models of Diabetic Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 27-45.	3.0	488
97	Roles of poly(ADP-ribose) polymerase activation in the pathogenesis of diabetes mellitus and its complications. <i>Pharmacological Research</i> , 2005, 52, 60-71.	3.1	84
98	Leukocyte Recruitment and Vascular Injury in Diabetic Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 368-377.	3.0	312
99	A Potent Immunomodulatory Compound, (S,R)-3-Phenyl-4,5-dihydro-5-isoxasole Acetic Acid, Prevents Spontaneous and Accelerated Forms of Autoimmune Diabetes in NOD Mice and Inhibits the Immunoinflammatory Diabetes Induced by Multiple Low Doses of Streptozotocin in CBA/H Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 320, 1038-1049.	1.3	32
100	Suppression of SOCS3 expression in the pancreatic β -cell leads to resistance to type 1 diabetes. <i>Biochemical and Biophysical Research Communications</i> , 2007, 359, 952-958.	1.0	23
101	Mechanisms and Outcomes of Drug- and Toxicant-Induced Liver Toxicity in Diabetes. <i>Critical Reviews in Toxicology</i> , 2007, 37, 413-459.	1.9	59
102	The aetiology of type 1 diabetes: an epidemiological perspective. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 1998, 87, 5-10.	0.7	58
103	Macrophage migration inhibitory factor (MIF) is necessary for progression of autoimmune diabetes mellitus. <i>Journal of Cellular Physiology</i> , 2008, 215, 665-675.	2.0	76
104	Susceptibility to type I diabetes in women is associated with the CD3 epsilon locus on chromosome 11. <i>Clinical and Experimental Immunology</i> , 2008, 83, 69-73.	1.1	12
105	Accelerated diabetes in non-obese diabetic (NOD) mice differing in incidence of spontaneous disease. <i>Clinical and Experimental Immunology</i> , 2008, 85, 464-468.	1.1	12
106	Low dose streptozotocin causes stimulation of the immune system and of anti-islet cytotoxicity in mice. <i>Clinical and Experimental Immunology</i> , 2008, 86, 266-270.	1.1	17
107	Streptozotocin-Induced Diabetic Models in Mice and Rats. <i>Current Protocols in Pharmacology</i> , 2008, 40, Unit 5.47.	4.0	198
108	Carbamylated erythropoietin to treat neuronal injury: new development strategies. <i>Expert Opinion on Investigational Drugs</i> , 2008, 17, 1175-1186.	1.9	33

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109	Use of a systems biology approach to understand pancreatic β -cell death in Type 1 diabetes. <i>Biochemical Society Transactions</i> , 2008, 36, 321-327.	1.6	42
110	DNA vaccine containing the mycobacterial hsp65 gene prevented insulinitis in MLD-STZ diabetes. <i>Journal of Immune Based Therapies and Vaccines</i> , 2009, 7, 4.	2.4	19
111	Retinoids differentially regulate the progression of autoimmune diabetes in three preclinical models in mice. <i>Molecular Immunology</i> , 2009, 47, 79-86.	1.0	22
112	Animal Models in Diabetes and Pregnancy. <i>Endocrine Reviews</i> , 2010, 31, 680-701.	8.9	133
113	Knockout of toll-like receptor-4 attenuates the pro-inflammatory state of diabetes. <i>Cytokine</i> , 2011, 55, 441-445.	1.4	138
114	Effect of Sanguis draconis (a dragon's blood resin) on streptozotocin- and cytokine-induced β -cell damage, in vitro and in vivo. <i>Diabetes Research and Clinical Practice</i> , 2011, 94, 417-425.	1.1	17
115	Polyphenols-rich <i>Vernonia amygdalina</i> shows anti-diabetic effects in streptozotocin-induced diabetic rats. <i>Journal of Ethnopharmacology</i> , 2011, 133, 598-607.	2.0	93
116	Diabetes in Danish Bank Voles (<i>M. glareolus</i>): Survivorship, Influence on Weight, and Evaluation of Polydipsia as a Screening Tool for Hyperglycaemia. <i>PLoS ONE</i> , 2011, 6, e22893.	1.1	3
117	Knockout of Toll-Like Receptor-2 Attenuates Both the Proinflammatory State of Diabetes and Incipient Diabetic Nephropathy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1796-1804.	1.1	126
118	PTGS-2/PTGER2/4 Signaling Pathway Partially Protects From Diabetogenic Toxicity of Streptozotocin in Mice. <i>Diabetes</i> , 2012, 61, 1879-1887.	0.3	17
119	The Lyn Kinase Activator MLR-1023 Is a Novel Insulin Receptor Potentiator that Elicits a Rapid-Onset and Durable Improvement in Glucose Homeostasis in Animal Models of Type 2 Diabetes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 342, 23-32.	1.3	35
120	The impact of obesity on sepsis mortality: a retrospective review. <i>BMC Infectious Diseases</i> , 2013, 13, 377.	1.3	60
121	Previous contact with <i>Strongyloides venezuelensis</i> contributed to prevent insulinitis in MLD-STZ diabetes. <i>Experimental Parasitology</i> , 2013, 134, 183-189.	0.5	20
122	<i>Endocrine Pharmacology</i> , 2013, , 421-520.		0
123	Extensive double humanization of both liver and hematopoiesis in FRGN mice. <i>Stem Cell Research</i> , 2014, 13, 404-412.	0.3	123
124	Streptozotocin-Induced Diabetic Models in Mice and Rats. <i>Current Protocols in Pharmacology</i> , 2015, 70, 5.47.1-5.47.20.	4.0	711
125	Responses of GLP1-secreting L-cells to cytotoxicity resemble pancreatic β -cells but not δ -cells. <i>Journal of Molecular Endocrinology</i> , 2015, 54, 91-104.	1.1	12
126	Diabetes and Tryptophan Metabolism. <i>Molecular and Integrative Toxicology</i> , 2015, , 147-171.	0.5	12

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127	Altered Macrophage and Dendritic Cell Response in <i>Mif</i> ^{-/-} Mice Reveals a Role of Mif for Inflammatory-Th1 Response in Type 1 Diabetes. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-19.	1.0	30
128	Camel whey protein improves oxidative stress and histopathological alterations in lymphoid organs through Bcl-XL/Bax expression in a streptozotocin-induced type 1 diabetic mouse model. <i>Biomedicine and Pharmacotherapy</i> , 2017, 88, 542-552.	2.5	18
129	Novel therapeutic effects of sesamin on diabetes-induced cardiac dysfunction. <i>Molecular Medicine Reports</i> , 2017, 15, 2949-2956.	1.1	27
130	APPL1 prevents pancreatic beta cell death and inflammation by dampening NF- κ B activation in a mouse model of type 1 diabetes. <i>Diabetologia</i> , 2017, 60, 464-474.	2.9	16
131	A practical guide for induction of type-2 diabetes in rat: Incorporating a high-fat diet and streptozotocin. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 605-613.	2.5	210
132	Gut Microbiome and Inflammation: A Study of Diabetic Inflammasome-Knockout Mice. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-5.	1.0	22
133	Human urine-derived stem cells play a novel role in the treatment of STZ-induced diabetic mice. <i>Journal of Molecular Histology</i> , 2018, 49, 419-428.	1.0	22
134	Congenic mapping and candidate gene analysis for streptozotocin-induced diabetes susceptibility locus on mouse chromosome 11. <i>Mammalian Genome</i> , 2018, 29, 273-280.	1.0	5
135	Deficiency of voltage-gated proton channel Hv1 attenuates streptozotocin-induced β -cell damage. <i>Biochemical and Biophysical Research Communications</i> , 2018, 498, 975-980.	1.0	4
136	A comparison of metabolomic changes in type-1 diabetic C57BL/6N mice originating from different sources. <i>Laboratory Animal Research</i> , 2018, 34, 232.	1.1	2
137	β -Cell mass restoration by α 7 nicotinic acetylcholine receptor activation. <i>Journal of Biological Chemistry</i> , 2018, 293, 20295-20306.	1.6	22
138	Chronic oscillating glucose challenges disarrange innate immune homeostasis to potentiate the variation of neutrophil–lymphocyte ratio in rats with or without hidden diabetes mellitus. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2018, Volume 11, 277-288.	1.1	1
139	Glucose-lowering and hypolipidemic activities of polysaccharides from <i>Cordyceps taii</i> in streptozotocin-induced diabetic mice. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 230.	3.7	23
140	Progressive Increase of Inflammatory CXCR4 and TNF-Alpha in the Dorsal Root Ganglia and Spinal Cord Maintains Peripheral and Central Sensitization to Diabetic Neuropathic Pain in Rats. <i>Mediators of Inflammation</i> , 2019, 2019, 1-11.	1.4	20
141	Diabetes-induced damage of gastric nitric oxide neurons mediated by P2X7R in diabetic mice. <i>European Journal of Pharmacology</i> , 2019, 851, 151-160.	1.7	5
142	Therapeutic Potential of Caffeic Acid Phenethyl Ester (CAPE) in Diabetes. <i>Current Medicinal Chemistry</i> , 2019, 25, 4827-4836.	1.2	30
143	Pancreatic resident endocrine progenitors demonstrate high islet neogenic fidelity and committed homing towards diabetic mice pancreas. <i>Journal of Cellular Physiology</i> , 2019, 234, 8975-8987.	2.0	5
144	Autophagy in cardiomyopathies. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118432.	1.9	29

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145	Electroacupuncture alleviates diabetic neuropathic pain in rats by suppressing P2X3 receptor expression in dorsal root ganglia. <i>Purinergic Signalling</i> , 2020, 16, 491-502.	1.1	16
146	Pathophysiology of NAFLD and NASH in Experimental Models: The Role of Food Intake Regulating Peptides. <i>Frontiers in Endocrinology</i> , 2020, 11, 597583.	1.5	42
147	Contrast-enhanced ultrasound with sub-micron sized contrast agents detects insulinitis in mouse models of type1 diabetes. <i>Nature Communications</i> , 2020, 11, 2238.	5.8	37
148	Animal Models of Diabetes-Associated Renal Injury. <i>Journal of Diabetes Research</i> , 2020, 2020, 1-16.	1.0	36
149	KLF5 Is Induced by FOXO1 and Causes Oxidative Stress and Diabetic Cardiomyopathy. <i>Circulation Research</i> , 2021, 128, 335-357.	2.0	57
150	Cardioprotective effects of Fenugreek (<i>Trigonella foenum-graceum</i>) seed extract in streptozotocin induced diabetic rats. <i>Journal of Cardiovascular and Thoracic Research</i> , 2021, 13, 28-36.	0.3	13
151	Combination of Linagliptin and Empagliflozin Preserves Cardiac Systolic Function in an Ischemia-Reperfusion Injury Mice With Diabetes Mellitus. <i>Cardiology Research</i> , 2021, 12, 91-97.	0.5	3
152	Relationship Between Insulin-Receptor Substrate 1 and Langerhansâ€™ Islet in a Rat Model of Type 2 Diabetes Mellitus. <i>In Vivo</i> , 2021, 35, 291-297.	0.6	4
153	Impacts of high fat diet on ocular outcomes in rodent models of visual disease. <i>Experimental Eye Research</i> , 2021, 204, 108440.	1.2	17
154	Streptozotocinâ€”Induced Diabetic Models in Mice and Rats. <i>Current Protocols</i> , 2021, 1, e78.	1.3	243
155	The Use of Natural Compounds as a Strategy to Counteract Oxidative Stress in Animal Models of Diabetes Mellitus. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7009.	1.8	13
156	The neuro-restorative effect of adipose-derived mesenchymal stem cell transplantation on a mouse model of diabetic neuropathy. <i>Neurological Research</i> , 2022, 44, 156-164.	0.6	3
157	Cell-Mediated Anti-Isletâ€™ Cell Immune Response: Clinical Experience and Lessons from Animal Models. <i>E&M Endocrinology and Metabolism</i> , 1990, , 165-183.	0.1	1
158	Characterization of Giant Perivascular Spaces in the Thymus of the Nonobese Diabetic Mouse. <i>Advances in Experimental Medicine and Biology</i> , 1994, 355, 143-145.	0.8	2
159	Nitric Oxide in the Immunopathogenesis of Type 1 Diabetes. <i>Handbook of Experimental Pharmacology</i> , 2000, , 525-544.	0.9	2
160	Streptozotocin Interactions with Pancreatic Î² Cells and the Induction of Insulin-Dependent Diabetes. <i>Current Topics in Microbiology and Immunology</i> , 1990, 156, 27-54.	0.7	113
161	Blocking mitochondrial calcium release in Schwann cells prevents demyelinating neuropathies. <i>Journal of Clinical Investigation</i> , 2016, 126, 1023-1038.	3.9	14
162	Blocking mitochondrial calcium release in Schwann cells prevents demyelinating neuropathies. <i>Journal of Clinical Investigation</i> , 2017, 127, 1115-1115.	3.9	10

#	ARTICLE	IF	CITATIONS
163	<p>Evaluation of Antidiabetic Effect of Ethanolic Leaves Extract of Becium grandiflorum Lam. (Lamiaceae) in Streptozotocin-Induced Diabetic Mice<p>. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2020, Volume 13, 1481-1489.	1.1	12
164	Cell cycle control of pancreatic beta cell proliferation. Frontiers in Bioscience - Landmark, 2000, 5, d1.	3.0	41
165	Etiology and Pathogenesis of Insulin Dependent Diabetes Mellitus. Pediatric Annals, 1987, 16, 682-692.	0.3	5
166	Dry olive leaf extract (DOLE) down-regulates the progression of experimental immune-mediated diabetes by modulation of cytokine profile in the draining lymph nodes. Archives of Biological Sciences, 2011, 63, 289-297.	0.2	0
167	Does Beta Cell Death Result Exclusively from Genetically-Mediated Autoimmune Mechanisms? A Polemic â€” The Case for Environmental Factors in the Etiology of Insulin-dependent Diabetes Mellitus. , 1994, , 145-164.		0
169	Morphological observations on pancreatic islet blood vessels in low-dose streptozocin-treated mice. Journal of Anatomy, 1993, 182 (Pt 1), 45-53.	0.9	4
170	Interleukin-2-dependent control of disease development in spontaneously diabetic BB rats. Immunology, 1990, 69, 209-14.	2.0	26
171	Activation of inraislet lymphoid cells causes destruction of islet cells. American Journal of Pathology, 1991, 138, 1183-90.	1.9	49
172	Interleukin-1 promotes hyperglycemia and insulinitis in mice normally resistant to streptozotocin-induced diabetes. American Journal of Pathology, 1994, 145, 661-70.	1.9	9
173	Immunotherapeutic effects of pentoxifylline in type 1 diabetic mice and its role in the response of T-helper lymphocytes. Iranian Journal of Basic Medical Sciences, 2015, 18, 247-52.	1.0	7
174	Selection of experimental models mimicking human pathophysiology for diabetic microvascular complications. , 2022, , 137-177.		2
175	Reduction of lactoferrin aggravates neuronal ferroptosis after intracerebral hemorrhagic stroke in hyperglycemic mice. Redox Biology, 2022, 50, 102256.	3.9	24
176	Glycosides and flavonoids from the extract of <i>Pueraria thomsonii</i> Benth leaf alleviate type 2 diabetes in high-fat diet plus streptozotocin-induced mice by modulating the gut microbiota. Food and Function, 2022, 13, 3931-3945.	2.1	12
177	Dorsal root ganglia P2X4 and P2X7 receptors contribute to diabetes-induced hyperalgesia and the downregulation of electroacupuncture on P2X4 and P2X7. Purinergic Signalling, 2023, 19, 29-41.	1.1	9
178	Resveratrol Inhibited ADAM10 Mediated CXCL16-Cleavage and T-Cells Recruitment to Pancreatic Î²-Cells in Type 1 Diabetes Mellitus in Mice. Pharmaceutics, 2022, 14, 594.	2.0	3
179	Streptozotocin-induced hyperglycemia alters the cecal metabolome and exacerbates antibiotic-induced dysbiosis. Cell Reports, 2021, 37, 110113.	2.9	11
180	NF-Î²B-inducing kinase (NIK) is activated in pancreatic Î²-cells but does not contribute to the development of diabetes. Cell Death and Disease, 2022, 13, 476.	2.7	4
181	Guidelines on models of diabetic heart disease. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 323, H176-H200.	1.5	20

#	ARTICLE	IF	CITATIONS
182	Mouse models of type 1 diabetes and their use in skeletal research. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2022, 29, 318-325.	1.2	5
183	Nitazoxanide, Ivermectin, and Artemether effects against cryptosporidiosis in diabetic mice: parasitological, histopathological, and chemical studies. <i>Journal of Parasitic Diseases</i> , 2022, 46, 1070-1079.	0.4	2
184	Maternal diabetes negatively impacts fetal health. <i>Open Biology</i> , 2022, 12, .	1.5	1
185	Evaluation of hypolipidemic activity of homeopathic drug <i>Allium sativum</i> 6C potency on different grades of dyslipidemia in Wistar albino rat models. <i>Phytomedicine Plus</i> , 2022, , 100354.	0.9	0
186	Guanfacine Normalizes the Overexpression of Presynaptic α -2A Adrenoceptor Signaling and Ameliorates Neuropathic Pain in a Chronic Animal Model of Type 1 Diabetes. <i>Pharmaceutics</i> , 2022, 14, 2146.	2.0	1
187	FGF13-Sensitive Alteration of Parkin Safeguards Mitochondrial Homeostasis in Endothelium of Diabetic Nephropathy. <i>Diabetes</i> , 2023, 72, 97-111.	0.3	1
188	In Vitro and In Vivo Assessments of Anti-Hyperglycemic Properties of Soybean Residue Fermented with <i>Rhizopus oligosporus</i> and <i>Lactiplantibacillus plantarum</i> . <i>Life</i> , 2022, 12, 1716.	1.1	8
189	The Effects of Exercise Training on Glucose Homeostasis and Muscle Metabolism in Type 1 Diabetic Female Mice. <i>Metabolites</i> , 2022, 12, 948.	1.3	4
190	Magnetic resonance imaging as a non-invasive tool to assess gastric emptying in mice. <i>Neurogastroenterology and Motility</i> , 0, , .	1.6	2
191	Evaluation of hypoglycemic effect of (+)-1,1'-Bis(lunatin) in streptozotocin-induced DDY male mice (Mus) Tj ETQg1.1 0.784314 rgB7/0.3	0.3	0
192	Inflammation triggered by the NLRP3 inflammasome is a critical driver of diabetic bladder dysfunction. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	4
193	Anti-diabetic effects of fullerene C60 nanoparticle mediated by its anti-oxidant activity in the pancreas in type 1 diabetic rats. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 0, 58, .	1.2	0
194	18F-FP-CIT dopamine transporter PET findings in the striatum and retina of type 1 diabetic rats. <i>Annals of Nuclear Medicine</i> , 2023, 37, 219-226.	1.2	1
195	The organic nitrate NDBP promotes cardiometabolic protection in type 1 diabetic mice. <i>Journal of Functional Foods</i> , 2023, 104, 105526.	1.6	0
198	Animal Models of Pain and Anti-inflammatory Treatments. , 2023, , 43-85.		0
208	A Mouse Model of Hepatocellular Carcinoma Induced by Streptozotocin and High-Fat Diet. <i>Methods in Molecular Biology</i> , 2024, , 67-75.	0.4	0