Hee-Sook Jun

List of Publications by Year
in descending order

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165	7,000	71102	69250
papers	citations	41 h-index	77 g-index

166	166	166	9832
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances in insulin gene therapy for type 1 diabetes. Trends in Molecular Medicine, 2002, 8, 62-68.	6.7	413
2	Anti-Inflammatory Effects of GLP-1-Based Therapies beyond Glucose Control. Mediators of Inflammation, 2016, 2016, 1-11.	3.0	286
3	Autoimmune Destruction of Pancreatic Î² Cells. American Journal of Therapeutics, 2005, 12, 580-591.	0.9	267
4	Control of Autoimmune Diabetes in NOD Mice by GAD Expression or Suppression in Cells. Science, 1999, 284, 1183-1187.	12.6	249
5	Role of Myokines in Regulating Skeletal Muscle Mass and Function. Frontiers in Physiology, 2019, 10, 42.	2.8	239
6	The Role of Macrophages in T Cellâ€“mediated Autoimmune Diabetes in Nonobese Diabetic Mice. Journal of Experimental Medicine, 1999, 189, 347-358.	8.5	235
7	Anti-diabetic actions of glucagon-like peptide-1 on pancreatic beta-cells. Metabolism: Clinical and Experimental, 2014, 63, 9-19.	3.4	223
8	Reversal of mouse hepatic failure using an implanted liver-assist device containing ES cellâ€“derived hepatocytes. Nature Biotechnology, 2006, 24, 1412-1419.	17.5	209
9	Fatty Acid-Induced Lipotoxicity in Pancreatic Beta-Cells During Development of Type 2 Diabetes. Frontiers in Endocrinology, 2018, 9, 384.	3.5	203
10	A new look at viruses in type 1 diabetes. Diabetes/Metabolism Research and Reviews, 2003, 19, 8-31.	4.0	195
11	Protective Role of Autophagy in Palmitate-Induced INS-1 Î²-Cell Death. Endocrinology, 2009, 150, 126-134.	2.8	170
12	Stem Cell Secretome and Its Effect on Cellular Mechanisms Relevant to Wound Healing. Molecular Therapy, 2018, 26, 606-617.	8.2	142
13	Cellular and Molecular Mechanisms for the Initiation and Progression of Î² Cell Destruction Resulting from the Collaboration Between Macrophages and T Cells. Autoimmunity, 1998, 27, 109-122.	2.6	140
14	A Pentadecapeptide Fragment of Islet Neogenesis-Associated Protein Increases Beta-Cell Mass and Reverses Diabetes in C57BL/6J Mice. Annals of Surgery, 2004, 240, 875-884.	4.2	140
15	Glucagon-Like Peptide-1 Gene Therapy in Obese Diabetic Mice Results in Long-Term Cure of Diabetes by Improving Insulin Sensitivity and Reducing Hepatic Gluconeogenesis. Diabetes, 2007, 56, 1671-1679.	0.6	138
16	A human Î²-cell line for transplantation therapy to control type 1 diabetes. Nature Biotechnology, 2005, 23, 1274-1282.	17.5	132
17	Integrated Expression Profiling and Genome-Wide Analysis of ChREBP Targets Reveals the Dual Role for ChREBP in Glucose-Regulated Gene Expression. PLoS ONE, 2011, 6, e22544.	2.5	130
18	Cellular and Molecular Pathogenic Mechanisms of Insulinâ€Dependent Diabetes Mellitus. Annals of the New York Academy of Sciences, 2001, 928, 200-211.	3.8	115

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19	Molecular Mechanisms for Gender Differences in Susceptibility to T Cell-Mediated Autoimmune Diabetes in Nonobese Diabetic Mice. Journal of Immunology, 2002, 168, 5369-5375.	0.8	100
20	Effects of Glucagon-Like Peptide-1 on Oxidative Stress and Nrf2 Signaling. International Journal of Molecular Sciences, 2018, 19, 26.	4.1	96
21	A New Type of CD4+ Suppressor T cell Completely Prevents Spontaneous Autoimmune Diabetes and Recurrent Diabetes in Syngeneic Islet-Transplanted NOD Mice. Journal of Autoimmunity, 1996, 9, 331-339.	6.5	92
22	Reactive oxygen speciesâ€induced changes in glucose and lipid metabolism contribute to the accumulation of cholesterol in the liver during aging. Aging Cell, 2019, 18, e12895.	6.7	86
23	IL-18 Induces Monocyte Chemotactic Protein-1 Production in Macrophages through the Phosphatidylinositol 3-Kinase/Akt and MEK/ERK1/2 Pathways. Journal of Immunology, 2005, 175, 8280-8286.	0.8	83
24	Effect of p38 Mitogen-Activated Protein Kinase on the Replication of Encephalomyocarditis Virus. Journal of Virology, 2003, 77, 5649-5656.	3.4	79
25	Amelioration of muscle wasting by glucagonâ€like peptideâ€1 receptor agonist in muscle atrophy. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 903-918.	7.3	77
26	Silver nanoflowerâ€“reduced graphene oxide composite based micro-disk electrode for insulin detection in serum. Biosensors and Bioelectronics, 2016, 80, 307-314.	10.1	76
27	Glucagon-Like Peptide 1 Increases Î²-Cell Regeneration by Promoting Î±- to Î²-Cell Transdifferentiation. Diabetes, 2018, 67, 2601-2614.	0.6	75
28	A chemical chaperone 4-PBA ameliorates palmitate-induced inhibition of glucose-stimulated insulin secretion (GSIS). Archives of Biochemistry and Biophysics, 2008, 475, 109-114.	3.0	71
29	Exendin-4 in combination with adipose-derived stem cells promotes angiogenesis and improves diabetic wound healing. Journal of Translational Medicine, 2017, 15, 35.	4.4	61
30	Interleukinâ€6 treatment induces betaâ€cell apoptosis via STATâ€3â€mediated nitric oxide production. Diabetes/Metabolism Research and Reviews, 2011, 27, 813-819.	4.0	51
31	Stimulation of Lipogenesis as Well as Fatty Acid Oxidation Protects against Palmitate-Induced INS-1 Î²-Cell Death. Endocrinology, 2011, 152, 816-827.	2.8	51
32	Molecular Role of TGF-Î², Secreted from a New Type of CD4+Suppressor T cell, NY4.2, in the Prevention of Autoimmune IDDM in NOD Mice. Journal of Autoimmunity, 1997, 10, 299-307.	6.5	50
33	Role of Bioactive Food Components in Diabetes Prevention: Effects on Beta-Cell Function and Preservation. Nutrition and Metabolic Insights, 2014, 7, NMI.S13589.	1.9	49
34	Increase in Insulin Secretion Induced by Panax ginseng Berry Extracts Contributes to the Amelioration of Hyperglycemia in Streptozotocin-induced Diabetic Mice. Journal of Ginseng Research, 2012, 36, 153-160.	5.7	49
35	EX4 stabilizes and activates Nrf2 via PKCÎ´, contributing to the prevention of oxidative stress-induced pancreatic beta cell damage. Toxicology and Applied Pharmacology, 2017, 315, 60-69.	2.8	47
36	Viruses Cause Type 1 Diabetes in Animals. Annals of the New York Academy of Sciences, 2006, 1079, 138-146.	3.8	46

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37	Blocking lysophosphatidic acid receptor 1 signaling inhibits diabetic nephropathy in db/db mice. Kidney International, 2017, 91, 1362-1373.	5.2	46
38	Transplantation of Reversibly Immortalized Insulin-Secreting Human Hepatocytes Controls Diabetes in Pancreatectomized Pigs. Diabetes, 2004, 53, 105-112.	0.6	44
39	Betacellulin-Induced Beta Cell Proliferation and Regeneration Is Mediated by Activation of ErbB-1 and ErbB-2 Receptors. PLoS ONE, 2011, 6, e23894.	2.5	44
40	Psoralea corylifoliaL. Seed Extract Ameliorates Streptozotocin-Induced Diabetes in Mice by Inhibition of Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-9.	4.0	43
41	Gamma Interferon Paradoxically Inhibits the Development of Diabetes in the NOD Mouse. Journal of Autoimmunity, 2002, 19, 129-137.	6.5	42
42	Prolonged Remission of Diabetes by Regeneration of Î² Cells in Diabetic Mice Treated with Recombinant Adenoviral Vector Expressing Glucagon-like Peptide-1. Molecular Therapy, 2007, 15, 86-93.	8.2	42
43	Lysophosphatidic Acid Signaling in Diabetic Nephropathy. International Journal of Molecular Sciences, 2019, 20, 2850.	4.1	41
44	Remission of Diabetes by Insulin Gene Therapy Using a Hepatocyte-specific and Glucose-responsive Synthetic Promoter. Molecular Therapy, 2011, 19, 470-478.	8.2	39
45	Attenuation of carotid neointimal formation after direct delivery of a recombinant adenovirus expressing glucagon-like peptide-1 in diabetic rats. Cardiovascular Research, 2017, 113, 183-194.	3.8	39
46	Lysophosphatidic acid receptor 1 inhibitor, AM095, attenuates diabetic nephropathy in mice by downregulation of TLR4/NF-Î²B signaling and NADPH oxidase. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 1332-1340.	3.8	39
47	Detection of Differential Proteomes Associated with the Development of Type 2 Diabetes in the Zucker Rat Model Using the iTRAQ Technique. Journal of Proteome Research, 2011, 10, 564-577.	3.7	36
48	Anti-adipogenic effects of KD025 (SLx-2119), a ROCK2-specific inhibitor, in 3T3-L1 cells. Scientific Reports, 2018, 8, 2477.	3.3	36
49	Exendin-4 inhibits glucolipotoxic ER stress in pancreatic Î² cells via regulation of SREBP1c and C/EBPÎ² transcription factors. Journal of Endocrinology, 2013, 216, 343-352.	2.6	34
50	Polyphenol-Rich Fraction of Ecklonia cava Improves Nonalcoholic Fatty Liver Disease in High Fat Diet-Fed Mice. Marine Drugs, 2015, 13, 6866-6883.	4.6	33
51	The Effect of Phloroglucinol, A Component of Ecklonia cava Extract, on Hepatic Glucose Production. Marine Drugs, 2017, 15, 106.	4.6	33
52	Lysophosphatidic acid increases mesangial cell proliferation in models of diabetic nephropathy via Rac1/MAPK/KLF5 signaling. Experimental and Molecular Medicine, 2019, 51, 1-10.	7.7	33
53	A Newly Developed Bioartificial Pancreas Successfully Controls Blood Glucose in Totally Pancreatectomized Diabetic Pigs. Tissue Engineering, 2006, 12, 1799-1809.	4.6	32
54	Functional Hepatocyte Culture and its Application to Cell Therapies. Cell Transplantation, 2006, 15, 855-864.	2.5	31

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55	Cell-Permeable Pentapeptide V5 Inhibits Apoptosis and Enhances Insulin Secretion, Allowing Experimental Single-Donor Islet Transplantation in Mice. Diabetes, 2007, 56, 1259-1267.	0.6	31
56	Protective Role ofPsoralea corylifoliaL. Seed Extract against Hepatic Mitochondrial Dysfunction Induced by Oxidative Stress or Aging. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-9.	1.2	31
57	A Brief Review of the Mechanisms of Î²-Cell Dedifferentiation in Type 2 Diabetes. Nutrients, 2021, 13, 1593.	4.1	31
58	Increase of Calcium Sensing Receptor Expression Is Related to Compensatory Insulin Secretion during Aging in Mice. PLoS ONE, 2016, 11, e0159689.	2.5	30
59	Upregulation of caveolin-1 and its colocalization with cytokine receptors contributes to beta cell apoptosis. Scientific Reports, 2019, 9, 16785.	3.3	30
60	Regulation of insulin response in skeletal muscle cell by caveolin status. Journal of Cellular Biochemistry, 2006, 99, 747-758.	2.6	29
61	Efficacy Comparison of Korean Ginseng and American Ginseng on Body Temperature and Metabolic Parameters. The American Journal of Chinese Medicine, 2014, 42, 173-187.	3.8	28
62	Psoralea corylifolia L. Seed Extract Attenuates Diabetic Nephropathy by Inhibiting Renal Fibrosis and Apoptosis in Streptozotocin-Induced Diabetic Mice. Nutrients, 2017, 9, 828.	4.1	28
63	Diphlorethohydroxycarmalol Attenuates Methylglyoxal-Induced Oxidative Stress and Advanced Glycation End Product Formation in Human Kidney Cells. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-14.	4.0	28
64	Cellular and molecular roles of Î² cell autoantigens, macrophages and T cells in the pathogenesis of autoimmune diabetes. Archives of Pharmacal Research, 1999, 22, 437-447.	6.3	27
65	Engineered Enteroendocrine Cells Secrete Insulin in Response to Glucose and Reverse Hyperglycemia in Diabetic Mice. Molecular Therapy, 2007, 15, 1195-1202.	8.2	27
66	Detection of Differential Proteomes of Human Î²-Cells During Islet-Like Differentiation Using iTRAQ Labeling. Journal of Proteome Research, 2009, 8, 1393-1403.	3.7	27
67	Ginseng Berry Extract Supplementation Improves Age-Related Decline of Insulin Signaling in Mice. Nutrients, 2015, 7, 3038-3053.	4.1	24
68	Pathogenesis of non-insulin-dependent (type II) diabetes mellitus (NIDDM) â€“ genetic predisposition and metabolic abnormalities. Advanced Drug Delivery Reviews, 1999, 35, 157-177.	13.7	23
69	Palmitate induces nitric oxide production and inflammatory cytokine expression in zebrafish. Fish and Shellfish Immunology, 2018, 79, 163-167.	3.6	23
70	Angelica dahurica Extracts Improve Glucose Tolerance through the Activation of GPR119. PLoS ONE, 2016, 11, e0158796.	2.5	23
71	Immunoregulatory Role of Nitric Oxide in Kilham Rat Virus-Induced Autoimmune Diabetes in DR-BB Rats. Journal of Immunology, 2004, 173, 1327-1335.	0.8	22
72	Comprehensive Phosphoproteome Analysis of INS-1 Pancreatic Beta-Cells using Various Digestion Strategies Coupled with Liquid Chromatographyâ€“Tandem Mass Spectrometry. Journal of Proteome Research, 2012, 11, 2206-2223.	3.7	22

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73	Psoralea corylifolia L. Seed Extract Attenuates Nonalcoholic Fatty Liver Disease in High-Fat Diet-Induced Obese Mice. Nutrients, 2016, 8, 83.	4.1	22
74	Exendin-4 increases oxygen consumption and thermogenic gene expression in muscle cells. Journal of Molecular Endocrinology, 2017, 58, 79-90.	2.5	21
75	Baicalein protects rat insulinoma INS-1 cells from palmitate-induced lipotoxicity by inducing HO-1. PLoS ONE, 2017, 12, e0176432.	2.5	21
76	Anti-GAD monoclonal antibody delays the onset of diabetes mellitus in NOD mice. Pharmaceutical Research, 1999, 16, 1059-1066.	3.5	20
77	Remission of Diabetes by Î²-Cell Regeneration in Diabetic Mice Treated With a Recombinant Adenovirus Expressing Betacellulin. Molecular Therapy, 2008, 16, 854-861.	8.2	20
78	Supplement of TCA cycle intermediates protects against high glucose/palmitate-induced INS-1 beta cell death. Archives of Biochemistry and Biophysics, 2011, 505, 231-241.	3.0	20
79	Liquiritigenin prevents palmitate-induced beta-cell apoptosis via estrogen receptor-mediated AKT activation. Biomedicine and Pharmacotherapy, 2018, 101, 348-354.	5.6	20
80	Role of CTLA-4 in the Activation of Single- and Double-Positive Thymocytes. Journal of Immunology, 2004, 173, 6645-6653.	0.8	19
81	Treatment with glucokinase activator, YH-GKA, increases cell proliferation and decreases glucotoxic apoptosis in INS-1 cells. European Journal of Pharmaceutical Sciences, 2014, 51, 137-145.	4.0	19
82	Effects of <scp>FGF</scp>21â€secreting adiposeâ€derived stem cells in thioacetamideâ€induced hepatic fibrosis. Journal of Cellular and Molecular Medicine, 2018, 22, 5165-5169.	3.6	19
83	Psoralea corylifoliaL. Seed Extract Attenuates Methylglyoxal-Induced Insulin Resistance by Inhibition of Advanced Glycation End Product Formation. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-14.	4.0	19
84	Modulation of Insulin Sensitivity and Caveolin-1 Expression by Orchidectomy in a Nonobese Type 2 Diabetes Animal Model. Molecular Medicine, 2011, 17, 4-11.	4.4	18
85	Direct differentiation of insulin-producing cells from human urine-derived stem cells. International Journal of Medical Sciences, 2019, 16, 1668-1676.	2.5	18
86	Preventive Effects of Schisandrin A, A Bioactive Component of Schisandra chinensis, on Dexamethasone-Induced Muscle Atrophy. Nutrients, 2020, 12, 1255.	4.1	18
87	Insulin-Dependent Diabetes Mellitus, Experimental Models. , 1998, , 1390-1398.		17
88	Allomyrina dichotoma Larva Extract Ameliorates the Hepatic Insulin Resistance of High-Fat Diet-Induced Diabetic Mice. Nutrients, 2019, 11, 1522.	4.1	17
89	Effect of cell senescence on the impedance measurement of adipose tissue-derived stem cells. Enzyme and Microbial Technology, 2013, 53, 302-306.	3.2	16
90	Preventive Effects of Dulaglutide on Disuse Muscle Atrophy Through Inhibition of Inflammation and Apoptosis by Induction of Hsp72 Expression. Frontiers in Pharmacology, 2020, 11, 90.	3.5	16

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91	Human chorionic gonadotropin prevents SjÃ¶gren's syndromeâ€“like exocrinopathy in mice. Arthritis and Rheumatism, 2007, 56, 2211-2215.	6.7	15
92	Regeneration of pancreatic beta cells. Frontiers in Bioscience - Landmark, 2008, Volume, 6170.	3.0	15
93	KD025 (SLx-2119) suppresses adipogenesis at intermediate stage in human adipose-derived stem cells. Adipocyte, 2019, 8, 114-124.	2.8	15
94	Lysophosphatidic Acid Mediates Imiquimod-Induced Psoriasis-like Symptoms by Promoting Keratinocyte Proliferation through LPAR1/ROCK2/PI3K/AKT Signaling Pathway. International Journal of Molecular Sciences, 2021, 22, 10777.	4.1	15
95	Control of autoimmune Type 1 diabetes in NOD mice by a quantitative balance of cytokines secreted from T-cells. Experimental and Clinical Endocrinology and Diabetes, 1997, 105, 2-3.	1.2	14
96	Modulation of Glucocorticoid-Induced GAD Expression in Pancreatic Â-Cells by Transcriptional Activation of the GAD67 Promoter and Its Possible Effect on the Development of Diabetes. Diabetes, 2002, 51, 2764-2772.	0.6	14
97	A potent and selective 11Î²-hydroxysteroid dehydrogenase type 1 inhibitor, SKI2852, ameliorates metabolic syndrome in diabetic mice models. European Journal of Pharmacology, 2015, 768, 139-148.	3.5	14
98	Reduction of Secreted Frizzled-Related Protein 5 Drives Vascular Calcification through Wnt3a-Mediated Rho/ROCK/JNK Signaling in Chronic Kidney Disease. International Journal of Molecular Sciences, 2020, 21, 3539.	4.1	14
99	Has GAD a Central Role in Type 1 Diabetes?. Journal of Autoimmunity, 2000, 15, 273-278.	6.5	13
100	Development of autoreactive diabetogenic T cells in the thymus of NOD mice. Journal of Autoimmunity, 2005, 24, 11-23.	6.5	13
101	Electrical Impedance Monitoring of C2C12 Myoblast Differentiation on an Indium Tin Oxide Electrode. Sensors, 2016, 16, 2068.	3.8	13
102	Glucagon-Like Peptide-1 Receptor Agonist and Glucagon Increase Glucose-Stimulated Insulin Secretion in Beta Cells via Distinct Adenylyl Cyclases. International Journal of Medical Sciences, 2018, 15, 603-609.	2.5	13
103	MicroRNA-181c Inhibits Interleukin-6-mediated Beta Cell Apoptosis by Targeting TNF-Î± Expression. Molecules, 2019, 24, 1410.	3.8	13
104	Prevention of Oxidative Stress-Induced Pancreatic Beta Cell Damage by Broussonetia kazinoki Siebold Fruit Extract via the ERK-Nox4 Pathway. Antioxidants, 2020, 9, 406.	5.1	13
105	Cudrania tricuspidata Root Extract Prevents Methylglyoxal-Induced Inflammation and Oxidative Stress via Regulation of the PKC-NOX4 Pathway in Human Kidney Cells. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-13.	4.0	13
106	Dulaglutide improves muscle function by attenuating inflammation through OPA-1-TLR-9 signaling in aged mice. Aging, 2021, 13, 21962-21974.	3.1	13
107	Psoralea corylifolia L. seed extract attenuates dexamethasone-induced muscle atrophy in mice by inhibition of oxidative stress and inflammation. Journal of Ethnopharmacology, 2022, 296, 115490.	4.1	13
108	In Vivo Regeneration of Insulin-Producing Î²-Cells. Advances in Experimental Medicine and Biology, 2010, 654, 627-640.	1.6	12

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109	Amelioration of hyperglycemia by intestinal overexpression of glucagon-like peptide-1 in mice. Journal of Molecular Medicine, 2010, 88, 351-358.	3.9	12
110	Differentiation Potential and Profile of Nuclear Receptor Expression During Expanded Culture of Human Adipose Tissue-Derived Stem Cells Reveals PPARÎ³ as an Important Regulator of Oct4 Expression. Stem Cells and Development, 2014, 23, 24-33.	2.1	12
111	Synthesis of Novel FTY720 Analogs with Anticancer Activity through PP2A Activation. Molecules, 2018, 23, 2750.	3.8	12
112	Supplementation with IL-6 and Muscle Cell Culture Conditioned Media Enhances Myogenic Differentiation of Adipose Tissue-Derived Stem Cells through STAT3 Activation. International Journal of Molecular Sciences, 2018, 19, 1557.	4.1	12
113	Indole-4-carboxaldehyde Isolated from Seaweed, Sargassum thunbergii, Attenuates Methylglyoxal-Induced Hepatic Inflammation. Marine Drugs, 2019, 17, 486.	4.6	12
114	Schisandrae chinensis Fructus Extract Ameliorates Muscle Atrophy in Streptozotocin-Induced Diabetic Mice by Downregulation of the CREB-KLF15 and Autophagyâ€“Lysosomal Pathways. Cells, 2021, 10, 2283.	4.1	12
115	Effect of White, Taegeuk, and Red Ginseng Root Extracts on Insulin-Stimulated Glucose Uptake in Muscle Cells and Proliferation of Î²-cells. Journal of Ginseng Research, 2010, 34, 192-197.	5.7	12
116	TGF-Î² activates NLRP3 inflammasome by an autocrine production of TGF-Î² in LX-2 human hepatic stellate cells. Molecular and Cellular Biochemistry, 2022, 477, 1329-1338.	3.1	12
117	Inhibition of ChREBP ubiquitination via the ROS/Akt-dependent downregulation of Smurf2 contributes to lysophosphatidic acid-induced fibrosis in renal mesangial cells. Journal of Biomedical Science, 2022, 29, 31.	7.0	12
118	Phloroglucinol accelerates the regeneration of liver damaged by H₂O₂or MNZ treatment in zebrafish. RSC Advances, 2017, 7, 46164-46170.	3.6	11
119	Antiâ€Aging Effects of Schisandrae chinensis Fructus Extract: Improvement of Insulin Sensitivity and Muscle Function in Aged Mice. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-11.	1.2	11
120	Administration of Tonsil-Derived Mesenchymal Stem Cells Improves Glucose Tolerance in High Fat Diet-Induced Diabetic Mice via Insulin-Like Growth Factor-Binding Protein 5-Mediated Endoplasmic Reticulum Stress Modulation. Cells, 2019, 8, 368.	4.1	11
121	Attenuation of diabetic kidney injury in DPP4-deficient rats; role of GLP-1 on the suppression of AGE formation by inducing glyoxalase 1. Aging, 2020, 12, 593-610.	3.1	11
122	DAQ based Impedance Measurement System for Low Cost and Portable Electrical Cell-Substrate Impedance Sensing. Biochip Journal, 2018, 12, 18-24.	4.9	10
123	In Vivo Imaging of Transplanted Pancreatic Islets. Frontiers in Endocrinology, 2017, 8, 382.	3.5	10
124	Ethanol Extract of Liriope platyphylla Root Attenuates Non-Alcoholic Fatty Liver Disease in High-Fat Diet-Induced Obese Mice via Regulation of Lipogenesis and Lipid Uptake. Nutrients, 2021, 13, 3338.	4.1	10
125	Sodium Meta-Arsenite Ameliorates Hyperglycemia in Obese Diabeticdb/dbMice by Inhibition of Hepatic Gluconeogenesis. Journal of Diabetes Research, 2014, 2014, 1-11.	2.3	9
126	Inhibition of lysophosphatidic acid receptor ameliorates SjÃ¶gren's syndrome in NOD mice. Oncotarget, 2017, 8, 27240-27251.	1.8	9

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127	Polysiphonia japonica Extract Attenuates Palmitate-Induced Toxicity and Enhances Insulin Secretion in Pancreatic Beta-Cells. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-8.	4.0	9
128	Diphlorethohydroxycarmalol Attenuates Palmitate-Induced Hepatic Lipogenesis and Inflammation. Marine Drugs, 2020, 18, 475.	4.6	9
129	Development of a 3D subcutaneous construct containing insulin-producing beta cells using bioprinting. Bio-Design and Manufacturing, 2022, 5, 265-276.	7.7	9
130	Cell Replacement and Regeneration Therapy for Diabetes. Korean Diabetes Journal, 2010, 34, 77.	0.8	8
131	Effect of glucagon-like peptide-1 gene expression on graft function in mouse islet transplantation. Transplant International, 2012, 25, 242-249.	1.6	8
132	Protective Effect of Psoralea corylifolia L. Seed Extract against Palmitate-Induced Neuronal Apoptosis in PC12 Cells. Evidence-based Complementary and Alternative Medicine, 2016, 2016, 1-11.	1.2	8
133	Impact of Tâ€cellâ€specific Smad4 deficiency on the development of autoimmune diabetes in NOD mice. Immunology and Cell Biology, 2017, 95, 287-296.	2.3	8
134	Protective Effects of Broussonetia kazinoki Siebold Fruit Extract against Palmitate-Induced Lipotoxicity in Mesangial Cells. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-12.	1.2	8
135	Role of Nitric Oxide in the Pathogenesis of Encephalomyocarditis Virus-Induced Diabetes in Mice. Journal of Virology, 2009, 83, 8004-8011.	3.4	7
136	Electrical Impedance Characterization of Adipose Tissue-Derived Stem Cells Cultured on Indium Tin Oxide Electrodes. Journal of Biomedical Nanotechnology, 2013, 9, 699-702.	1.1	7
137	Diol-ginsenosides from Korean Red Ginseng delay the development of type 1 diabetes in diabetes-prone biobreeding rats. Journal of Ginseng Research, 2020, 44, 619-626.	5.7	7
138	Transplantation of Insulin-Producing Cells Differentiated from Human Periosteum-Derived Progenitor Cells Ameliorate Hyperglycemia in Diabetic Mice. Transplantation, 2014, 98, 1040-1047.	1.0	6
139	Compound 19e, a Novel Glucokinase Activator, Protects against Cytokine-Induced Beta-Cell Apoptosis in INS-1 Cells. Frontiers in Pharmacology, 2017, 08, 169.	3.5	6
140	Allomyrina dichotoma larva extract attenuates free fatty acid-induced lipotoxicity in pancreatic beta cells. Nutrition Research and Practice, 2021, 15, 294.	1.9	6
141	Electrical Impedance Detection of Senescence in Adipose Tissue-derived Stem Cells. Procedia Engineering, 2012, 47, 1025-1028.	1.2	5
142	Betacellulin ameliorates hyperglycemia in obese diabetic db/db mice. Journal of Molecular Medicine, 2015, 93, 1235-1245.	3.9	5
143	Polygonum multiflorum Thunb. Extract Stimulates Melanogenesis by Induction of COX2 Expression through the Activation of p38 MAPK in B16F10 Mouse Melanoma Cells. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-10.	1.2	5
144	Betacellulin-Induced Î±-Cell Proliferation Is Mediated by ErbB3 and ErbB4, and May Contribute to Î²-Cell Regeneration. Frontiers in Cell and Developmental Biology, 2020, 8, 605110.	3.7	5

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145	Effects of PsoraleaÂcorylifolia L. seed extract on AGEsâ€'induced cell proliferation and fibrotic factor expression in mesangial cells. Experimental and Therapeutic Medicine, 2021, 22, 1332.	1.8	5
146	Adult Stem Cells as a Renewable Source of Insulin-Producing Cells. International Journal of Stem Cells, 2009, 2, 115-121.	1.8	5
147	Cytotoxicity and Biological Efficacy of Exendin-4-Encapsulated Solid Lipid Nanoparticles in INS-1 Cells. Journal of Nanomaterials, 2015, 2015, 1-6.	2.7	4
148	A potential therapeutic combination for treatment of COVID-19: Synergistic effect of DPP4 and RAAS suppression. Medical Hypotheses, 2020, 144, 110186.	1.5	4
149	Glucosamine potentiates the differentiation of adipose-derived stem cells into glucose-responsive insulin-producing cells. Annals of Translational Medicine, 2020, 8, 561-561.	1.7	4
150	Taurine-Rich-Containing Hot Water Extract of Loliolus Beka Gray Meat Scavenges Palmitate-Induced Free Radicals and Protects Against DNA Damage in Insulin Secreting Î²-Cells. Advances in Experimental Medicine and Biology, 2019, 1155, 483-495.	1.6	4
151	Smad4 in T cells plays a protective role in the development of autoimmune SjÃ¶gren's syndrome in the nonobese diabetic mouse. Oncotarget, 2016, 7, 80298-80312.	1.8	4
152	Glucose-responsive artificial promoter-mediated insulin gene transfer improves glucose control in diabetic mice. World Journal of Gastroenterology, 2012, 18, 6420.	3.3	3
153	Comparison of the Effects of Liraglutide on Islet Graft Survival Between Local and Systemic Delivery. Cell Transplantation, 2020, 29, 096368972097124.	2.5	3
154	5-Bromoprotocatechualdehyde Combats against Palmitate Toxicity by Inhibiting Parkin Degradation and Reducing ROS-Induced Mitochondrial Damage in Pancreatic Î²-Cells. Antioxidants, 2021, 10, 264.	5.1	3
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