

# Hee-Sook Jun

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2953338/hee-sook-jun-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

161  
papers

5,297  
citations

37  
h-index

68  
g-index

166  
ext. papers

6,146  
ext. citations

6.3  
avg, IF

6.06  
L-index

#	Paper	IF	Citations
161	Recent advances in insulin gene therapy for type 1 diabetes. <i>Trends in Molecular Medicine</i> , <b>2002</b> , 8, 62-8	11.5	357
160	Control of autoimmune diabetes in NOD mice by GAD expression or suppression in beta cells. <i>Science</i> , <b>1999</b> , 284, 1183-7	33.3	233
159	Autoimmune destruction of pancreatic beta cells. <i>American Journal of Therapeutics</i> , <b>2005</b> , 12, 580-91	1	218
158	The role of macrophages in T cell-mediated autoimmune diabetes in nonobese diabetic mice. <i>Journal of Experimental Medicine</i> , <b>1999</b> , 189, 347-58	16.6	215
157	Reversal of mouse hepatic failure using an implanted liver-assist device containing ES cell-derived hepatocytes. <i>Nature Biotechnology</i> , <b>2006</b> , 24, 1412-9	44.5	190
156	Anti-Inflammatory Effects of GLP-1-Based Therapies beyond Glucose Control. <i>Mediators of Inflammation</i> , <b>2016</b> , 2016, 3094642	4.3	180
155	Anti-diabetic actions of glucagon-like peptide-1 on pancreatic beta-cells. <i>Metabolism: Clinical and Experimental</i> , <b>2014</b> , 63, 9-19	12.7	164
154	Protective role of autophagy in palmitate-induced INS-1 beta-cell death. <i>Endocrinology</i> , <b>2009</b> , 150, 126-34	4.8	153
153	A new look at viruses in type 1 diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , <b>2003</b> , 19, 8-31	7.5	149
152	Role of Myokines in Regulating Skeletal Muscle Mass and Function. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 42	4.6	125
151	A pentadecapeptide fragment of islet neogenesis-associated protein increases beta-cell mass and reverses diabetes in C57BL/6J mice. <i>Annals of Surgery</i> , <b>2004</b> , 240, 875-84	7.8	123
150	A human beta-cell line for transplantation therapy to control type 1 diabetes. <i>Nature Biotechnology</i> , <b>2005</b> , 23, 1274-82	44.5	121
149	Cellular and molecular mechanisms for the initiation and progression of beta cell destruction resulting from the collaboration between macrophages and T cells. <i>Autoimmunity</i> , <b>1998</b> , 27, 109-22	3	119
148	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. <i>Diabetes</i> , <b>2007</b> , 56, 1671-9	0.9	119
147	Fatty Acid-Induced Lipotoxicity in Pancreatic Beta-Cells During Development of Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , <b>2018</b> , 9, 384	5.7	117
146	Integrated expression profiling and genome-wide analysis of ChREBP targets reveals the dual role for ChREBP in glucose-regulated gene expression. <i>PLoS ONE</i> , <b>2011</b> , 6, e22544	3.7	98
145	Cellular and molecular pathogenic mechanisms of insulin-dependent diabetes mellitus. <i>Annals of the New York Academy of Sciences</i> , <b>2001</b> , 928, 200-11	6.5	93

144	Molecular mechanisms for gender differences in susceptibility to T cell-mediated autoimmune diabetes in nonobese diabetic mice. <i>Journal of Immunology</i> , <b>2002</b> , 168, 5369-75	5.3	89
143	A new type of CD4+ suppressor T cell completely prevents spontaneous autoimmune diabetes and recurrent diabetes in syngeneic islet-transplanted NOD mice. <i>Journal of Autoimmunity</i> , <b>1996</b> , 9, 331-9	15.5	81
142	Stem Cell Secretome and Its Effect on Cellular Mechanisms Relevant to Wound Healing. <i>Molecular Therapy</i> , <b>2018</b> , 26, 606-617	11.7	80
141	IL-18 induces monocyte chemotactic protein-1 production in macrophages through the phosphatidylinositol 3-kinase/Akt and MEK/ERK1/2 pathways. <i>Journal of Immunology</i> , <b>2005</b> , 175, 8280-6	5.3	76
140	Effect of p38 mitogen-activated protein kinase on the replication of encephalomyocarditis virus. <i>Journal of Virology</i> , <b>2003</b> , 77, 5649-56	6.6	66
139	Silver nanoflower-reduced graphene oxide composite based micro-disk electrode for insulin detection in serum. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 80, 307-314	11.8	64
138	A chemical chaperone 4-PBA ameliorates palmitate-induced inhibition of glucose-stimulated insulin secretion (GSIS). <i>Archives of Biochemistry and Biophysics</i> , <b>2008</b> , 475, 109-14	4.1	62
137	Effects of Glucagon-Like Peptide-1 on Oxidative Stress and Nrf2 Signaling. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 19,	6.3	55
136	Interleukin-6 treatment induces beta-cell apoptosis via STAT-3-mediated nitric oxide production. <i>Diabetes/Metabolism Research and Reviews</i> , <b>2011</b> , 27, 813-9	7.5	47
135	Stimulation of lipogenesis as well as fatty acid oxidation protects against palmitate-induced INS-1 beta-cell death. <i>Endocrinology</i> , <b>2011</b> , 152, 816-27	4.8	45
134	Molecular role of TGF-beta, secreted from a new type of CD4+ suppressor T cell, NY4.2, in the prevention of autoimmune IDDM in NOD mice. <i>Journal of Autoimmunity</i> , <b>1997</b> , 10, 299-307	15.5	43
133	Viruses cause type 1 diabetes in animals. <i>Annals of the New York Academy of Sciences</i> , <b>2006</b> , 1079, 138-46	6.5	42
132	Glucagon-Like Peptide 1 Increases $\beta$ Cell Regeneration by Promoting $\beta$ to $\beta$ Cell Transdifferentiation. <i>Diabetes</i> , <b>2018</b> , 67, 2601-2614	0.9	42
131	Transplantation of reversibly immortalized insulin-secreting human hepatocytes controls diabetes in pancreatectomized pigs. <i>Diabetes</i> , <b>2004</b> , 53, 105-12	0.9	41
130	Role of bioactive food components in diabetes prevention: effects on Beta-cell function and preservation. <i>Nutrition and Metabolic Insights</i> , <b>2014</b> , 7, 51-9	1.9	40
129	Betacellulin-induced beta cell proliferation and regeneration is mediated by activation of ErbB-1 and ErbB-2 receptors. <i>PLoS ONE</i> , <b>2011</b> , 6, e23894	3.7	40
128	Prolonged remission of diabetes by regeneration of beta cells in diabetic mice treated with recombinant adenoviral vector expressing glucagon-like peptide-1. <i>Molecular Therapy</i> , <b>2007</b> , 15, 86-93	11.7	39
127	Gamma interferon paradoxically inhibits the development of diabetes in the NOD mouse. <i>Journal of Autoimmunity</i> , <b>2002</b> , 19, 129-37	15.5	39

126	Exendin-4 in combination with adipose-derived stem cells promotes angiogenesis and improves diabetic wound healing. <i>Journal of Translational Medicine</i> , <b>2017</b> , 15, 35	8.5	37
125	Increase in Insulin Secretion Induced by Panax ginseng Berry Extracts Contributes to the Amelioration of Hyperglycemia in Streptozotocin-induced Diabetic Mice. <i>Journal of Ginseng Research</i> , <b>2012</b> , 36, 153-60	5.8	37
124	Amelioration of muscle wasting by glucagon-like peptide-1 receptor agonist in muscle atrophy. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2019</b> , 10, 903-918	10.3	36
123	EX4 stabilizes and activates Nrf2 via PKC $\beta$ contributing to the prevention of oxidative stress-induced pancreatic beta cell damage. <i>Toxicology and Applied Pharmacology</i> , <b>2017</b> , 315, 60-69	4.6	34
122	Psoralea corylifolia L. seed extract ameliorates streptozotocin-induced diabetes in mice by inhibition of oxidative stress. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2014</b> , 2014, 897296	6.7	34
121	Remission of diabetes by insulin gene therapy using a hepatocyte-specific and glucose-responsive synthetic promoter. <i>Molecular Therapy</i> , <b>2011</b> , 19, 470-8	11.7	33
120	Reactive oxygen species-induced changes in glucose and lipid metabolism contribute to the accumulation of cholesterol in the liver during aging. <i>Aging Cell</i> , <b>2019</b> , 18, e12895	9.9	33
119	Exendin-4 inhibits glucolipotoxic ER stress in pancreatic $\beta$ cells via regulation of SREBP1c and C/EBP $\beta$ transcription factors. <i>Journal of Endocrinology</i> , <b>2013</b> , 216, 343-52	4.7	32
118	Attenuation of carotid neointimal formation after direct delivery of a recombinant adenovirus expressing glucagon-like peptide-1 in diabetic rats. <i>Cardiovascular Research</i> , <b>2017</b> , 113, 183-194	9.9	31
117	A newly developed bioartificial pancreas successfully controls blood glucose in totally pancreatectomized diabetic pigs. <i>Tissue Engineering</i> , <b>2006</b> , 12, 1799-809		30
116	Blocking lysophosphatidic acid receptor 1 signaling inhibits diabetic nephropathy in db/db mice. <i>Kidney International</i> , <b>2017</b> , 91, 1362-1373	9.9	29
115	Polyphenol-Rich Fraction of Ecklonia cava Improves Nonalcoholic Fatty Liver Disease in High Fat Diet-Fed Mice. <i>Marine Drugs</i> , <b>2015</b> , 13, 6866-83	6	29
114	Detection of differential proteomes associated with the development of type 2 diabetes in the Zucker rat model using the iTRAQ technique. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 564-77	5.6	27
113	Detection of differential proteomes of human beta-cells during islet-like differentiation using iTRAQ labeling. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 1393-403	5.6	27
112	Regulation of insulin response in skeletal muscle cell by caveolin status. <i>Journal of Cellular Biochemistry</i> , <b>2006</b> , 99, 747-58	4.7	27
111	Functional hepatocyte culture and its application to cell therapies. <i>Cell Transplantation</i> , <b>2006</b> , 15, 855-64		27
110	Cell-permeable pentapeptide V5 inhibits apoptosis and enhances insulin secretion, allowing experimental single-donor islet transplantation in mice. <i>Diabetes</i> , <b>2007</b> , 56, 1259-67	0.9	25
109	Lysophosphatidic Acid Signaling in Diabetic Nephropathy. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	24

108	Lysophosphatidic acid increases mesangial cell proliferation in models of diabetic nephropathy via Rac1/MAPK/KLF5 signaling. <i>Experimental and Molecular Medicine</i> , <b>2019</b> , 51, 1-10	12.8	24
107	The Effect of Phloroglucinol, A Component of <i>Ecklonia cava</i> Extract, on Hepatic Glucose Production. <i>Marine Drugs</i> , <b>2017</b> , 15,	6	24
106	Protective Role of <i>Psoralea corylifolia</i> L. Seed Extract against Hepatic Mitochondrial Dysfunction Induced by Oxidative Stress or Aging. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2013</b> , 2013, 678028	2.3	24
105	Efficacy comparison of Korean ginseng and American ginseng on body temperature and metabolic parameters. <i>The American Journal of Chinese Medicine</i> , <b>2014</b> , 42, 173-87	6	23
104	<i>Psoralea corylifolia</i> L. Seed Extract Attenuates Diabetic Nephropathy by Inhibiting Renal Fibrosis and Apoptosis in Streptozotocin-Induced Diabetic Mice. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	23
103	Engineered enteroendocrine cells secrete insulin in response to glucose and reverse hyperglycemia in diabetic mice. <i>Molecular Therapy</i> , <b>2007</b> , 15, 1195-202	11.7	23
102	Anti-adipogenic effects of KD025 (SLx-2119), a ROCK2-specific inhibitor, in 3T3-L1 cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 2477	4.9	22
101	Comprehensive phosphoproteome analysis of INS-1 pancreatic $\beta$ cells using various digestion strategies coupled with liquid chromatography-tandem mass spectrometry. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 2206-23	5.6	21
100	Immunoregulatory role of nitric oxide in Kilham rat virus-induced autoimmune diabetes in DR-BB rats. <i>Journal of Immunology</i> , <b>2004</b> , 173, 1327-35	5.3	21
99	Cellular and molecular roles of beta cell autoantigens, macrophages and T cells in the pathogenesis of autoimmune diabetes. <i>Archives of Pharmacal Research</i> , <b>1999</b> , 22, 437-47	6.1	21
98	Pathogenesis of non-insulin-dependent (type II) diabetes mellitus (NIDDM) - genetic predisposition and metabolic abnormalities. <i>Advanced Drug Delivery Reviews</i> , <b>1999</b> , 35, 157-177	18.5	21
97	Diphlorethohydroxycarmalol Attenuates Methylglyoxal-Induced Oxidative Stress and Advanced Glycation End Product Formation in Human Kidney Cells. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 3654095	6.7	21
96	Ginseng berry extract supplementation improves age-related decline of insulin signaling in mice. <i>Nutrients</i> , <b>2015</b> , 7, 3038-53	6.7	20
95	Treatment with glucokinase activator, YH-GKA, increases cell proliferation and decreases glucotoxic apoptosis in INS-1 cells. <i>European Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 51, 137-45	5.1	19
94	Remission of diabetes by beta-cell regeneration in diabetic mice treated with a recombinant adenovirus expressing betacellulin. <i>Molecular Therapy</i> , <b>2008</b> , 16, 854-61	11.7	19
93	Anti-GAD monoclonal antibody delays the onset of diabetes mellitus in NOD mice. <i>Pharmaceutical Research</i> , <b>1999</b> , 16, 1059-66	4.5	19
92	Supplement of TCA cycle intermediates protects against high glucose/palmitate-induced INS-1 beta cell death. <i>Archives of Biochemistry and Biophysics</i> , <b>2011</b> , 505, 231-41	4.1	18
91	Modulation of insulin sensitivity and caveolin-1 expression by orchidectomy in a nonobese type 2 diabetes animal model. <i>Molecular Medicine</i> , <b>2011</b> , 17, 4-11	6.2	18

90	Role of CTLA-4 in the activation of single- and double-positive thymocytes. <i>Journal of Immunology</i> , <b>2004</b> , 173, 6645-53	5.3	18
89	Angelica dahurica Extracts Improve Glucose Tolerance through the Activation of GPR119. <i>PLoS ONE</i> , <b>2016</b> , 11, e0158796	3.7	17
88	Lysophosphatidic acid receptor 1 inhibitor, AM095, attenuates diabetic nephropathy in mice by downregulation of TLR4/NF- $\kappa$ B signaling and NADPH oxidase. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2019</b> , 1865, 1332-1340	6.9	17
87	Increase of Calcium Sensing Receptor Expression Is Related to Compensatory Insulin Secretion during Aging in Mice. <i>PLoS ONE</i> , <b>2016</b> , 11, e0159689	3.7	16
86	Palmitate induces nitric oxide production and inflammatory cytokine expression in zebrafish. <i>Fish and Shellfish Immunology</i> , <b>2018</b> , 79, 163-167	4.3	16
85	Effect of cell senescence on the impedance measurement of adipose tissue-derived stem cells. <i>Enzyme and Microbial Technology</i> , <b>2013</b> , 53, 302-6	3.8	15
84	Insulin-Dependent Diabetes Mellitus, Experimental Models <b>1998</b> , 1390-1398		15
83	Psoralea corylifolia L. Seed Extract Attenuates Nonalcoholic Fatty Liver Disease in High-Fat Diet-Induced Obese Mice. <i>Nutrients</i> , <b>2016</b> , 8, 83	6.7	15
82	Liquiritigenin prevents palmitate-induced beta-cell apoptosis via estrogen receptor-mediated AKT activation. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 101, 348-354	7.5	14
81	Modulation of glucocorticoid-induced GAD expression in pancreatic beta-cells by transcriptional activation of the GAD67 promoter and its possible effect on the development of diabetes. <i>Diabetes</i> , <b>2002</b> , 51, 2764-72	0.9	14
80	Baicalein protects rat insulinoma INS-1 cells from palmitate-induced lipotoxicity by inducing HO-1. <i>PLoS ONE</i> , <b>2017</b> , 12, e0176432	3.7	14
79	Development of autoreactive diabetogenic T cells in the thymus of NOD mice. <i>Journal of Autoimmunity</i> , <b>2005</b> , 24, 11-23	15.5	13
78	Exendin-4 increases oxygen consumption and thermogenic gene expression in muscle cells. <i>Journal of Molecular Endocrinology</i> , <b>2017</b> , 58, 79-90	4.5	12
77	Regeneration of pancreatic beta cells. <i>Frontiers in Bioscience - Landmark</i> , <b>2008</b> , 13, 6170-82	2.8	12
76	Has GAD a central role in type 1 diabetes?. <i>Journal of Autoimmunity</i> , <b>2000</b> , 15, 273-8	15.5	12
75	Effect of White, Taegeuk, and Red Ginseng Root Extracts on Insulin-Stimulated Glucose Uptake in Muscle Cells and Proliferation of $\beta$ Cells. <i>Journal of Ginseng Research</i> , <b>2010</b> , 34, 192-197	5.8	12
74	Upregulation of caveolin-1 and its colocalization with cytokine receptors contributes to beta cell apoptosis. <i>Scientific Reports</i> , <b>2019</b> , 9, 16785	4.9	12
73	Effects of FGF21-secreting adipose-derived stem cells in thioacetamide-induced hepatic fibrosis. <i>Journal of Cellular and Molecular Medicine</i> , <b>2018</b> , 22, 5165-5169	5.6	11

72	Larva Extract Ameliorates the Hepatic Insulin Resistance of High-Fat Diet-Induced Diabetic Mice. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	11
71	Differentiation potential and profile of nuclear receptor expression during expanded culture of human adipose tissue-derived stem cells reveals PPAR $\alpha$ as an important regulator of Oct4 expression. <i>Stem Cells and Development</i> , <b>2014</b> , 23, 24-33	4.4	11
70	Amelioration of hyperglycemia by intestinal overexpression of glucagon-like peptide-1 in mice. <i>Journal of Molecular Medicine</i> , <b>2010</b> , 88, 351-8	5.5	11
69	L. Seed Extract Attenuates Methylglyoxal-Induced Insulin Resistance by Inhibition of Advanced Glycation End Product Formation. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2019</b> , 2019, 4310319	6.7	11
68	MicroRNA-181c Inhibits Interleukin-6-mediated Beta Cell Apoptosis by Targeting TNF- $\alpha$ Expression. <i>Molecules</i> , <b>2019</b> , 24,	4.8	10
67	In vivo regeneration of insulin-producing beta-cells. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 654, 627-40	3.6	10
66	Electrical Impedance Monitoring of C2C12 Myoblast Differentiation on an Indium Tin Oxide Electrode. <i>Sensors</i> , <b>2016</b> , 16,	3.8	10
65	Phloroglucinol accelerates the regeneration of liver damaged by H <sub>2</sub> O <sub>2</sub> or MNZ treatment in zebrafish. <i>RSC Advances</i> , <b>2017</b> , 7, 46164-46170	3.7	9
64	Imaging of Transplanted Pancreatic Islets. <i>Frontiers in Endocrinology</i> , <b>2017</b> , 8, 382	5.7	9
63	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. <i>Cells</i> , <b>2019</b> , 8,	7.9	8
62	KD025 (SLx-2119) suppresses adipogenesis at intermediate stage in human adipose-derived stem cells. <i>Adipocyte</i> , <b>2019</b> , 8, 114-124	3.2	8
61	A potent and selective 11 $\beta$ hydroxysteroid dehydrogenase type 1 inhibitor, SKI2852, ameliorates metabolic syndrome in diabetic mice models. <i>European Journal of Pharmacology</i> , <b>2015</b> , 768, 139-48	5.3	8
60	DAQ based Impedance Measurement System for Low Cost and Portable Electrical Cell-Substrate Impedance Sensing. <i>Biochip Journal</i> , <b>2018</b> , 12, 18-24	4	8
59	Inhibition of lysophosphatidic acid receptor ameliorates Sjögren's syndrome in NOD mice. <i>Oncotarget</i> , <b>2017</b> , 8, 27240-27251	3.3	8
58	Effect of glucagon-like peptide-1 gene expression on graft function in mouse islet transplantation. <i>Transplant International</i> , <b>2012</b> , 25, 242-9	3	8
57	A Brief Review of the Mechanisms of $\beta$ Cell Dedifferentiation in Type 2 Diabetes. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	8
56	Indole-4-carboxaldehyde Isolated from Seaweed, , Attenuates Methylglyoxal-Induced Hepatic Inflammation. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	7
55	Preventive Effects of Schisandrin A, A Bioactive Component of , on Dexamethasone-Induced Muscle Atrophy. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	7

54	Supplementation with IL-6 and Muscle Cell Culture Conditioned Media Enhances Myogenic Differentiation of Adipose Tissue-Derived Stem Cells through STAT3 Activation. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	7
53	Cell replacement and regeneration therapy for diabetes. <i>Korean Diabetes Journal</i> , <b>2010</b> , 34, 77-83		7
52	Human chorionic gonadotropin prevents Sjögren's syndrome-like exocrinopathy in mice. <i>Arthritis and Rheumatism</i> , <b>2007</b> , 56, 2211-5		7
51	Protective Effect of L. Seed Extract against Palmitate-Induced Neuronal Apoptosis in PC12 Cells. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2016</b> , 2016, 5410419	2.3	7
50	Glucagon-Like Peptide-1 Receptor Agonist and Glucagon Increase Glucose-Stimulated Insulin Secretion in Beta Cells via Distinct Adenylyl Cyclases. <i>International Journal of Medical Sciences</i> , <b>2018</b> , 15, 603-609	3.7	7
49	Synthesis of Novel FTY720 Analogs with Anticancer Activity through PP2A Activation. <i>Molecules</i> , <b>2018</b> , 23,	4.8	7
48	Reduction of Secreted Frizzled-Related Protein 5 Drives Vascular Calcification through Wnt3a-Mediated Rho/ROCK/JNK Signaling in Chronic Kidney Disease. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	6
47	Impact of T-cell-specific Smad4 deficiency on the development of autoimmune diabetes in NOD mice. <i>Immunology and Cell Biology</i> , <b>2017</b> , 95, 287-296	5	6
46	Electrical impedance characterization of adipose tissue-derived stem cells cultured on indium tin oxide electrodes. <i>Journal of Biomedical Nanotechnology</i> , <b>2013</b> , 9, 699-702	4	6
45	Role of nitric oxide in the pathogenesis of encephalomyocarditis virus-induced diabetes in mice. <i>Journal of Virology</i> , <b>2009</b> , 83, 8004-11	6.6	6
44	Direct differentiation of insulin-producing cells from human urine-derived stem cells. <i>International Journal of Medical Sciences</i> , <b>2019</b> , 16, 1668-1676	3.7	6
43	Extract Attenuates Palmitate-Induced Toxicity and Enhances Insulin Secretion in Pancreatic Beta-Cells. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 4973851	6.7	6
42	Protective Effects of Siebold Fruit Extract against Palmitate-Induced Lipotoxicity in Mesangial Cells. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2019</b> , 2019, 4509403	2.3	5
41	Prevention of Oxidative Stress-Induced Pancreatic Beta Cell Damage by Siebold Fruit Extract Via the ERK-Nox4 Pathway. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	5
40	Compound 19e, a Novel Glucokinase Activator, Protects against Cytokine-Induced Beta-Cell Apoptosis in INS-1 Cells. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 169	5.6	5
39	Transplantation of insulin-producing cells differentiated from human periosteum-derived progenitor cells ameliorate hyperglycemia in diabetic mice. <i>Transplantation</i> , <b>2014</b> , 98, 1040-7	1.8	5
38	Sodium meta-arsenite ameliorates hyperglycemia in obese diabetic db/db mice by inhibition of hepatic gluconeogenesis. <i>Journal of Diabetes Research</i> , <b>2014</b> , 2014, 961732	3.9	5
37	Electrical Impedance Detection of Senescence in Adipose Tissue-derived Stem Cells. <i>Procedia Engineering</i> , <b>2012</b> , 47, 1025-1028		5



36	Attenuation of diabetic kidney injury in DPP4-deficient rats; role of GLP-1 on the suppression of AGE formation by inducing glyoxalase 1. <i>Aging</i> , <b>2020</b> , 12, 593-610	5.6	5
35	Extract Ameliorates Muscle Atrophy in Streptozotocin-Induced Diabetic Mice by Downregulation of the CREB-KLF15 and Autophagy-Lysosomal Pathways. <i>Cells</i> , <b>2021</b> , 10,	7.9	5
34	Betacellulin ameliorates hyperglycemia in obese diabetic db/db mice. <i>Journal of Molecular Medicine</i> , <b>2015</b> , 93, 1235-45	5.5	4
33	Preventive Effects of Dulaglutide on Disuse Muscle Atrophy Through Inhibition of Inflammation and Apoptosis by Induction of Hsp72 Expression. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 90	5.6	4
32	Anti-Aging Effects of Fructus Extract: Improvement of Insulin Sensitivity and Muscle Function in Aged Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2019</b> , 2019, 5642149	2.3	4
31	Smad4 in T cells plays a protective role in the development of autoimmune Sjögren's syndrome in the nonobese diabetic mouse. <i>Oncotarget</i> , <b>2016</b> , 7, 80298-80312	3.3	4
30	Diol-ginsenosides from Korean Red Ginseng delay the development of type 1 diabetes in diabetes-prone biobreeding rats. <i>Journal of Ginseng Research</i> , <b>2020</b> , 44, 619-626	5.8	4
29	Cytotoxicity and Biological Efficacy of Exendin-4-Encapsulated Solid Lipid Nanoparticles in INS-1 Cells. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-6	3.2	3
28	Glucose-responsive artificial promoter-mediated insulin gene transfer improves glucose control in diabetic mice. <i>World Journal of Gastroenterology</i> , <b>2012</b> , 18, 6420-6; discussion p. 6425	5.6	3
27	Development of a 3D subcutaneous construct containing insulin-producing beta cells using bioprinting. <i>Bio-Design and Manufacturing</i> , 1	4.7	3
26	Adult stem cells as a renewable source of insulin-producing cells. <i>International Journal of Stem Cells</i> , <b>2009</b> , 2, 115-21	3	3
25	A potential therapeutic combination for treatment of COVID-19: Synergistic effect of DPP4 and RAAS suppression. <i>Medical Hypotheses</i> , <b>2020</b> , 144, 110186	3.8	3
24	Cudrania tricuspidata Root Extract Prevents Methylglyoxal-Induced Inflammation and Oxidative Stress via Regulation of the PKC-NOX4 Pathway in Human Kidney Cells. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2021</b> , 2021, 5511881	6.7	3
23	Lysophosphatidic Acid Mediates Imiquimod-Induced Psoriasis-like Symptoms by Promoting Keratinocyte Proliferation through LPAR1/ROCK2/PI3K/AKT Signaling Pathway. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
22	Taurine-Containing Hot Water Extract of Octopus Ocellatus Meat Prevents Methylglyoxal-Induced Vascular Damage. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1155, 471-482	3.6	2
21	Thunb. Extract Stimulates Melanogenesis by Induction of COX2 Expression through the Activation of p38 MAPK in B16F10 Mouse Melanoma Cells. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2020</b> , 2020, 7642019	2.3	2
20	Diphlorethohydroxycarmalol Attenuates Palmitate-Induced Hepatic Lipogenesis and Inflammation. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	2
19	Betacellulin-Induced ECell Proliferation Is Mediated by ErbB3 and ErbB4, and May Contribute to ECell Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 605110	5.7	2

18	Design, synthesis, and effects of novel phenylpyrimidines as glucagon receptor antagonists. <i>Biorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 5701-5710	3.4	2
17	Synthesis and anti-diabetic activity of novel biphenylsulfonamides as glucagon receptor antagonists. <i>Chemical Biology and Drug Design</i> , <b>2021</b> , 98, 733-750	2.9	2
16	Pancreatic islet-like clusters from periosteum-derived progenitor cells. <i>Biotechnology and Bioprocess Engineering</i> , <b>2013</b> , 18, 1116-1121	3.1	1
15	Viral Infections and Type 1 Diabetes <b>2004</b> , 229-249		1
14	TGF- $\beta$ 1 activates NLRP3 inflammasome by an autocrine production of TGF- $\beta$ 1 in LX-2 human hepatic stellate cells.. <i>Molecular and Cellular Biochemistry</i> , <b>2022</b> , 477, 1329	4.2	1
13	Taurine-Rich-Containing Hot Water Extract of Loliolus Beka Gray Meat Scavenges Palmitate-Induced Free Radicals and Protects Against DNA Damage in Insulin Secreting $\beta$ Cells. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1155, 483-495	3.6	1
12	Comparison of the Effects of Liraglutide on Islet Graft Survival Between Local and Systemic Delivery. <i>Cell Transplantation</i> , <b>2020</b> , 29, 963689720971245	4	1
11	Glucosamine potentiates the differentiation of adipose-derived stem cells into glucose-responsive insulin-producing cells. <i>Annals of Translational Medicine</i> , <b>2020</b> , 8, 561	3.2	1
10	extract attenuates free fatty acid-induced lipotoxicity in pancreatic beta cells. <i>Nutrition Research and Practice</i> , <b>2021</b> , 15, 294-308	2.1	1
9	Short Synthesis of the Antidiabetic Octaketide Ethyl 2-(2,3,4-Trimethoxy-6-octanoylphenyl)acetate. <i>Synlett</i> , <b>2018</b> , 29, 326-329	2.2	1
8	Ethanol Extract of Root Attenuates Non-Alcoholic Fatty Liver Disease in High-Fat Diet-Induced Obese Mice via Regulation of Lipogenesis and Lipid Uptake. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	1
7	Inhibition of ChREBP ubiquitination via the ROS/Akt-dependent downregulation of Smurf2 contributes to lysophosphatidic acid-induced fibrosis in renal mesangial cells.. <i>Journal of Biomedical Science</i> , <b>2022</b> , 29, 31	13.3	1
6	Effects of L. seed extract on AGEs-induced cell proliferation and fibrotic factor expression in mesangial cells. <i>Experimental and Therapeutic Medicine</i> , <b>2021</b> , 22, 1332	2.1	0
5	Control of autoimmune Type 1 diabetes in NOD mice by a quantitative balance of cytokines secreted from T-cells. <i>Experimental and Clinical Endocrinology and Diabetes</i> , <b>1997</b> , 105, 2-3	2.3	
4	A Newly Developed Bioartificial Pancreas Successfully Controls Blood Glucose in Totally Pancreatectomized Diabetic Pigs. <i>Tissue Engineering</i> , <b>2006</b> , 060802052515067		
3	A Newly Developed Bioartificial Pancreas Successfully Controls Blood Glucose in Totally Pancreatectomized Diabetic Pigs. <i>Tissue Engineering</i> , <b>2006</b> , 060706073730062		
2	Engineering Pancreatic Beta-Cells <b>2007</b> , 635-645		
1	Protective effect of lycopene against cytokine-induced $\beta$ cell apoptosis in INS-1 cells. <i>Journal of Nutrition and Health</i> , <b>2018</b> , 51, 498	0.8	

