

# Hee-Sook Jun

## List of Publications by Year in Descending Order

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

**Version:** 2024-04-28

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	TGF- $\beta$ activates NLRP3 inflammasome by an autocrine production of TGF- $\beta$ in LX-2 human hepatic stellate cells.. <i>Molecular and Cellular Biochemistry</i> , <b>2022</b> , 477, 1329	4.2	1
160	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
159	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
158	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
157	A Brief Review of the Mechanisms of $\beta$ Cell Dedifferentiation in Type 2 Diabetes. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	8
156	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
155	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
154	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
153	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
152	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
151	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
150	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
149	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
148	Preventive Effects of Schisandrin A, A Bioactive Component of , on Dexamethasone-Induced Muscle Atrophy. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	7
147	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
146	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
145	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

144	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
143	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
142	Diphlorethohydroxycarmalol Attenuates Palmitate-Induced Hepatic Lipogenesis and Inflammation. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	2
141	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
140	Betacellulin-Induced $\beta$ Cell Proliferation Is Mediated by ErbB3 and ErbB4, and May Contribute to $\beta$ Cell Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 605110	5.7	2
139	Indole-4-carboxaldehyde Isolated from Seaweed, , Attenuates Methylglyoxal-Induced Hepatic Inflammation. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	7
138	Lysophosphatidic Acid Signaling in Diabetic Nephropathy. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	24
137	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
136	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
135	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
134	MicroRNA-181c Inhibits Interleukin-6-mediated Beta Cell Apoptosis by Targeting TNF- $\alpha$ Expression. <i>Molecules</i> , <b>2019</b> , 24,	4.8	10
133	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
132	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
131	Larva Extract Ameliorates the Hepatic Insulin Resistance of High-Fat Diet-Induced Diabetic Mice. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	11
130	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
129	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
128	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
127	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

126	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
125	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
124	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
123	Role of Myokines in Regulating Skeletal Muscle Mass and Function. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 42	4.6	125
122	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
121	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
120	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
119	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
118	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
117	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
116	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
115	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
114	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
113	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	
112	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
111	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
110	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
109	Synthesis of Novel FTY720 Analogs with Anticancer Activity through PP2A Activation. <i>Molecules</i> , <b>2018</b> , 23,	4.8	7

108	Design, synthesis, and effects of novel phenylpyrimidines as glucagon receptor antagonists. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 5701-5710	3.4	2
107	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
106	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
105	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
104	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
103	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
102	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
101	Imaging of Transplanted Pancreatic Islets. <i>Frontiers in Endocrinology</i> , <b>2017</b> , 8, 382	5.7	9
100	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
99	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
98	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
97	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
96	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
95	Inhibition of lysophosphatidic acid receptor ameliorates Sjögren's syndrome in NOD mice. <i>Oncotarget</i> , <b>2017</b> , 8, 27240-27251	3.3	8
94	The Effect of Phloroglucinol, A Component of Ecklonia cava Extract, on Hepatic Glucose Production. <i>Marine Drugs</i> , <b>2017</b> , 15,	6	24
93	Psoralea corylifolia 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
92	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
91	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

90	Angelica dahurica Extracts Improve Glucose Tolerance through the Activation of GPR119. <i>PLoS ONE</i> , <b>2016</b> , 11, e0158796	3.7	17
89	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
88	Electrical Impedance Monitoring of C2C12 Myoblast Differentiation on an Indium Tin Oxide Electrode. <i>Sensors</i> , <b>2016</b> , 16,	3.8	10
87	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
86	Anti-Inflammatory Effects of GLP-1-Based Therapies beyond Glucose Control. <i>Mediators of Inflammation</i> , <b>2016</b> , 2016, 3094642	4.3	180
85	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
84	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
83	Betacellulin ameliorates hyperglycemia in obese diabetic db/db mice. <i>Journal of Molecular Medicine</i> , <b>2015</b> , 93, 1235-45	5.5	4
82	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
81	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
80	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
79	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
78	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
77	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
76	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
75	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
74	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
73	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

72	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
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	Pancreatic islet-like clusters from periosteum-derived progenitor cells. <i>Biotechnology and Bioprocess Engineering</i> , <b>2013</b> , 18, 1116-1121	3.1	1
69	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
68	Protective Role of Psoralea corylifolia 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
67	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
66	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
65	Electrical Impedance Detection of Senescence in Adipose Tissue-derived Stem Cells. <i>Procedia Engineering</i> , <b>2012</b> , 47, 1025-1028		5
64	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
63	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
62	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
61	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
60	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
59	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
58	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
57	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
56	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
55	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

54	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
53	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
52	Cell replacement and regeneration therapy for diabetes. <i>Korean Diabetes Journal</i> , <b>2010</b> , 34, 77-83		7
51	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
50	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
49	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
48	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
47	Protective role of autophagy in palmitate-induced INS-1 beta-cell death. <i>Endocrinology</i> , <b>2009</b> , 150, 126-348		153
46	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
45	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
44	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
43	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
42	Regeneration of pancreatic beta cells. <i>Frontiers in Bioscience - Landmark</i> , <b>2008</b> , 13, 6170-82	2.8	12
41	Human chorionic gonadotropin prevents Sjögren's syndrome-like exocrinopathy in mice. <i>Arthritis and Rheumatism</i> , <b>2007</b> , 56, 2211-5		7
40	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
39	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
38	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
37	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



36 Engineering Pancreatic Beta-Cells **2007**, 635-645

35 Regulation of insulin response in skeletal muscle cell by caveolin status. *Journal of Cellular Biochemistry*, **2006**, 99, 747-58 4.7 27

34 A newly developed bioartificial pancreas successfully controls blood glucose in totally pancreatectomized diabetic pigs. *Tissue Engineering*, **2006**, 12, 1799-809 30

33 Functional hepatocyte culture and its application to cell therapies. *Cell Transplantation*, **2006**, 15, 855-644 27

32 Reversal of mouse hepatic failure using an implanted liver-assist device containing ES cell-derived hepatocytes. *Nature Biotechnology*, **2006**, 24, 1412-9 44.5 190

31 Viruses cause type 1 diabetes in animals. *Annals of the New York Academy of Sciences*, **2006**, 1079, 138-46.5 42

30 A Newly Developed Bioartificial Pancreas Successfully Controls Blood Glucose in Totally Pancreatectomized Diabetic Pigs. *Tissue Engineering*, **2006**, 060802052515067

29 A Newly Developed Bioartificial Pancreas Successfully Controls Blood Glucose in Totally Pancreatectomized Diabetic Pigs. *Tissue Engineering*, **2006**, 060706073730062

28 Development of autoreactive diabetogenic T cells in the thymus of NOD mice. *Journal of Autoimmunity*, **2005**, 24, 11-23 15.5 13

27 Autoimmune destruction of pancreatic beta cells. *American Journal of Therapeutics*, **2005**, 12, 580-91 1 218

26 A human beta-cell line for transplantation therapy to control type 1 diabetes. *Nature Biotechnology*, **2005**, 23, 1274-82 44.5 121

25 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, 8280-6 5.3 76

24 Viral Infections and Type 1 Diabetes **2004**, 229-249 1

23 Role of CTLA-4 in the activation of single- and double-positive thymocytes. *Journal of Immunology*, **2004**, 173, 6645-53 5.3 18

22 Immunoregulatory role of nitric oxide in Kilham rat virus-induced autoimmune diabetes in DR-BB rats. *Journal of Immunology*, **2004**, 173, 1327-35 5.3 21

21 Transplantation of reversibly immortalized insulin-secreting human hepatocytes controls diabetes in pancreatectomized pigs. *Diabetes*, **2004**, 53, 105-12 0.9 41

20 A pentadecapeptide fragment of islet neogenesis-associated protein increases beta-cell mass and reverses diabetes in C57BL/6J mice. *Annals of Surgery*, **2004**, 240, 875-84 7.8 123

19 A new look at viruses in type 1 diabetes. *Diabetes/Metabolism Research and Reviews*, **2003**, 19, 8-31 7.5 149

18	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
17	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
16	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
15	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
14	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
13	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
12	Has GAD a central role in type 1 diabetes?. <i>Journal of Autoimmunity</i> , <b>2000</b> , 15, 273-8	15.5	12
11	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
10	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
9	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
8	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
7	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
6	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
5	Insulin-Dependent Diabetes Mellitus, Experimental Models <b>1998</b> , 1390-1398		15
4	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	
3	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
2	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
1	Development of a 3D subcutaneous construct containing insulin-producing beta cells using bioprinting. <i>Bio-Design and Manufacturing</i> , 1	4.7	3

