

Myung-Shik Lee

List of Publications by Year in descending order

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Version: 2024-02-01

155
papers

21,407
citations

16451

64
h-index

9589

142
g-index

158
all docs

158
docs citations

158
times ranked

37763
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
3	An increase in the <i>Akkermansia</i> spp. population induced by metformin treatment improves glucose homeostasis in diet-induced obese mice. <i>Gut</i> , 2014, 63, 727-735.	12.1	1,288
4	Phosphorylation of p62 Activates the Keap1-Nrf2 Pathway during Selective Autophagy. <i>Molecular Cell</i> , 2013, 51, 618-631.	9.7	880
5	Autophagy deficiency leads to protection from obesity and insulin resistance by inducing Fgf21 as a mitokine. <i>Nature Medicine</i> , 2013, 19, 83-92.	30.7	661
6	Autophagy is a key player in cellular and body metabolism. <i>Nature Reviews Endocrinology</i> , 2014, 10, 322-337.	9.6	658
7	Loss of Autophagy Diminishes Pancreatic β Cell Mass and Function with Resultant Hyperglycemia. <i>Cell Metabolism</i> , 2008, 8, 318-324.	16.2	586
8	Persistent activation of Nrf2 through p62 in hepatocellular carcinoma cells. <i>Journal of Cell Biology</i> , 2011, 193, 275-284.	5.2	520
9	Identification of type 2 diabetes loci in 433,540 East Asian individuals. <i>Nature</i> , 2020, 582, 240-245.	27.8	282
10	SGLT2 inhibition modulates NLRP3 inflammasome activity via ketones and insulin in diabetes with cardiovascular disease. <i>Nature Communications</i> , 2020, 11, 2127.	12.8	263
11	p62/Sqstm1 promotes malignancy of HCV-positive hepatocellular carcinoma through Nrf2-dependent metabolic reprogramming. <i>Nature Communications</i> , 2016, 7, 12030.	12.8	253
12	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation. <i>Nature Genetics</i> , 2022, 54, 560-572.	21.4	250
13	STAT1 as a key modulator of cell death. <i>Cellular Signalling</i> , 2007, 19, 454-465.	3.6	223
14	Lysophosphatidylcholine as a death effector in the lipoptosis of hepatocytes. <i>Journal of Lipid Research</i> , 2008, 49, 84-97.	4.2	215
15	Acute Exercise Induces FGF21 Expression in Mice and in Healthy Humans. <i>PLoS ONE</i> , 2013, 8, e63517.	2.5	207
16	IFN- γ /TNF- α Synergism as the Final Effector in Autoimmune Diabetes: A Key Role for STAT1/IFN Regulatory Factor-1 Pathway in Pancreatic β Cell Death. <i>Journal of Immunology</i> , 2001, 166, 4481-4489.	0.8	201
17	Toll-like Receptor 2 Senses β -Cell Death and Contributes to the Initiation of Autoimmune Diabetes. <i>Immunity</i> , 2007, 27, 321-333.	14.3	190
18	Gut Microbiota and Metabolic Disorders. <i>Diabetes and Metabolism Journal</i> , 2015, 39, 198.	4.7	182

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19	Mutations in DDX58, which Encodes RIG-I, Cause Atypical Singleton-Merten Syndrome. <i>American Journal of Human Genetics</i> , 2015, 96, 266-274.	6.2	169
20	Resistance of Mitochondrial DNA-depleted Cells against Cell Death. <i>Journal of Biological Chemistry</i> , 2004, 279, 7512-7520.	3.4	159
21	Systemic autophagy insufficiency compromises adaptation to metabolic stress and facilitates progression from obesity to diabetes. <i>Nature Communications</i> , 2014, 5, 4934.	12.8	156
22	Ezetimibe ameliorates steatohepatitis via AMP activated protein kinase-TFEB-mediated activation of autophagy and NLRP3 inflammasome inhibition. <i>Autophagy</i> , 2017, 13, 1767-1781.	9.1	152
23	Mitochondria and the NLRP3 inflammasome: physiological and pathological relevance. <i>Archives of Pharmacal Research</i> , 2016, 39, 1503-1518.	6.3	148
24	Regular Exercise Is Associated with a Reduction in the Risk of NAFLD and Decreased Liver Enzymes in Individuals with NAFLD Independent of Obesity in Korean Adults. <i>PLoS ONE</i> , 2012, 7, e46819.	2.5	142
25	Amyloidogenic peptide oligomer accumulation in autophagy-deficient β^2 cells induces diabetes. <i>Journal of Clinical Investigation</i> , 2014, 124, 3311-3324.	8.2	138
26	Interferon β (IFN β) and Tumor Necrosis Factor α Synergism in ME-180 Cervical Cancer Cell Apoptosis and Necrosis. <i>Journal of Biological Chemistry</i> , 2001, 276, 13153-13159.	3.4	133
27	New mechanisms of metformin action: Focusing on mitochondria and the gut. <i>Journal of Diabetes Investigation</i> , 2015, 6, 600-609.	2.4	133
28	Autophagy is a major regulator of beta cell insulin homeostasis. <i>Diabetologia</i> , 2016, 59, 1480-1491.	6.3	117
29	NF- κ B prevents beta cell death and autoimmune diabetes in NOD mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1913-1918.	7.1	115
30	A novel autophagy enhancer as a therapeutic agent against metabolic syndrome and diabetes. <i>Nature Communications</i> , 2018, 9, 1438.	12.8	115
31	Crystal Structure of TRAIL-DR5 Complex Identifies a Critical Role of the Unique Frame Insertion in Conferring Recognition Specificity. <i>Journal of Biological Chemistry</i> , 2000, 275, 31171-31177.	3.4	114
32	Lysophosphatidylcholine as an effector of fatty acid-induced insulin resistance. <i>Journal of Lipid Research</i> , 2011, 52, 1234-1246.	4.2	110
33	FGF21 as a Stress Hormone: The Roles of FGF21 in Stress Adaptation and the Treatment of Metabolic Diseases. <i>Diabetes and Metabolism Journal</i> , 2014, 38, 245.	4.7	110
34	The AMPK-PPARGC1A pathway is required for antimicrobial host defense through activation of autophagy. <i>Autophagy</i> , 2014, 10, 785-802.	9.1	107
35	Imatinib Mesylate Reduces Endoplasmic Reticulum Stress and Induces Remission of Diabetes in <i>db/db</i> Mice. <i>Diabetes</i> , 2009, 58, 329-336.	0.6	106
36	Autophagy induced by AXL receptor tyrosine kinase alleviates acute liver injury via inhibition of NLRP3 inflammasome activation in mice. <i>Autophagy</i> , 2016, 12, 2326-2343.	9.1	100

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37	Dual Role of Inflammatory Stimuli in Activation-induced Cell Death of Mouse Microglial Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 32956-32965.	3.4	99
38	Insulin-degrading enzyme secretion from astrocytes is mediated by an autophagy-based unconventional secretory pathway in Alzheimer disease. <i>Autophagy</i> , 2016, 12, 784-800.	9.1	99
39	Metformin-induced inhibition of the mitochondrial respiratory chain increases FGF21 expression via ATF4 activation. <i>Biochemical and Biophysical Research Communications</i> , 2013, 440, 76-81.	2.1	97
40	Apoptosis of pancreatic β -cells detected in accelerated diabetes of NOD mice: no role of Fas-Fas ligand interaction in autoimmune diabetes. <i>European Journal of Immunology</i> , 1999, 29, 455-465.	2.9	95
41	Role of Hypothalamic Proopiomelanocortin Neuron Autophagy in the Control of Appetite and Leptin Response. <i>Endocrinology</i> , 2012, 153, 1817-1826.	2.8	95
42	Proteasome Dysfunction Activates Autophagy and the Keap1-Nrf2 Pathway. <i>Journal of Biological Chemistry</i> , 2014, 289, 24944-24955.	3.4	95
43	Fibroblast growth factor 21 participates in adaptation to endoplasmic reticulum stress and attenuates obesity-induced hepatic metabolic stress. <i>Diabetologia</i> , 2015, 58, 809-818.	6.3	93
44	Nuclear Factor κ B Protects Pancreatic β -Cells From Tumor Necrosis Factor- α -Mediated Apoptosis. <i>Diabetes</i> , 2003, 52, 1169-1175.	0.6	91
45	Role of autophagy in diabetes and endoplasmic reticulum stress of pancreatic β -cells. <i>Experimental and Molecular Medicine</i> , 2012, 44, 81.	7.7	89
46	PPAR- γ Activation Increases Insulin Secretion through the Up-regulation of the Free Fatty Acid Receptor GPR40 in Pancreatic β -Cells. <i>PLoS ONE</i> , 2013, 8, e50128.	2.5	88
47	The association between glycemic variability and diabetic cardiovascular autonomic neuropathy in patients with type 2 diabetes. <i>Cardiovascular Diabetology</i> , 2015, 14, 70.	6.8	86
48	Inhibition of Autoimmune Diabetes by Fas Ligand: The Paradox Is Solved. <i>Journal of Immunology</i> , 2000, 164, 2931-2936.	0.8	84
49	Plasminogen activator inhibitor type 1 regulates microglial motility and phagocytic activity. <i>Journal of Neuroinflammation</i> , 2012, 9, 149.	7.2	82
50	Differentiation and Transplantation of Functional Pancreatic Beta Cells Generated from Induced Pluripotent Stem Cells Derived from a Type 1 Diabetes Mouse Model. <i>Stem Cells and Development</i> , 2012, 21, 2642-2655.	2.1	81
51	Role of Calcium in Pancreatic Islet Cell Death by IFN- γ /TNF- α . <i>Journal of Immunology</i> , 2004, 172, 7008-7014.	0.8	80
52	NF- κ B Activation in Hypothalamic Pro-opiomelanocortin Neurons Is Essential in Illness- and Leptin-induced Anorexia. <i>Journal of Biological Chemistry</i> , 2010, 285, 9706-9715.	3.4	78
53	Essential Role for Signal Transducer and Activator of Transcription-1 in Pancreatic β -Cell Death and Autoimmune Type 1 Diabetes of Nonobese Diabetic Mice. <i>Diabetes</i> , 2007, 56, 2561-2568.	0.6	76
54	Microarray analysis of isolated human islet transcriptome in type 2 diabetes and the role of the ubiquitin-proteasome system in pancreatic beta cell dysfunction. <i>Molecular and Cellular Endocrinology</i> , 2013, 367, 1-10.	3.2	76

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55	Growth differentiation factor 15 ameliorates nonalcoholic steatohepatitis and related metabolic disorders in mice. <i>Scientific Reports</i> , 2018, 8, 6789.	3.3	75
56	Regulation by lipocalin β 2 of neuronal cell death, migration, and morphology. <i>Journal of Neuroscience Research</i> , 2012, 90, 540-550.	2.9	73
57	TLR3-Triggered Reactive Oxygen Species Contribute to Inflammatory Responses by Activating Signal Transducer and Activator of Transcription-1. <i>Journal of Immunology</i> , 2013, 190, 6368-6377.	0.8	73
58	Autophagy attenuates tubulointerstitial fibrosis through regulating transforming growth factor- β 2 and NLRP3 inflammasome signaling pathway. <i>Cell Death and Disease</i> , 2019, 10, 78.	6.3	73
59	Role of islet β 2 cell autophagy in the pathogenesis of diabetes. <i>Trends in Endocrinology and Metabolism</i> , 2014, 25, 620-627.	7.1	72
60	Resistance of mitochondrial DNA-deficient cells to TRAIL: role of Bax in TRAIL-induced apoptosis. <i>Oncogene</i> , 2002, 21, 3139-3148.	5.9	71
61	Role of Antiproliferative B Cell Translocation Gene-1 as an Apoptotic Sensitizer in Activation-Induced Cell Death of Brain Microglia. <i>Journal of Immunology</i> , 2003, 171, 5802-5811.	0.8	71
62	Essential Role of STAT1 in Caspase-Independent Cell Death of Activated Macrophages through the p38 Mitogen-Activated Protein Kinase/STAT1/Reactive Oxygen Species Pathway. <i>Molecular and Cellular Biology</i> , 2005, 25, 6821-6833.	2.3	71
63	Obesogenic diet-induced gut barrier dysfunction and pathobiont expansion aggravate experimental colitis. <i>PLoS ONE</i> , 2017, 12, e0187515.	2.5	71
64	Non-HDL-cholesterol/HDL-cholesterol is a better predictor of metabolic syndrome and insulin resistance than apolipoprotein B/apolipoprotein A1. <i>International Journal of Cardiology</i> , 2013, 168, 2678-2683.	1.7	70
65	Autophagy deficiency in myeloid cells increases susceptibility to obesity-induced diabetes and experimental colitis. <i>Autophagy</i> , 2016, 12, 1390-1403.	9.1	65
66	β 2-cell autophagy: Mechanism and role in β 2-cell dysfunction. <i>Molecular Metabolism</i> , 2019, 27, S92-S103.	6.5	58
67	Clinical factors associated with absolute and relative measures of glycemic variability determined by continuous glucose monitoring: An analysis of 480 subjects. <i>Diabetes Research and Clinical Practice</i> , 2014, 104, 266-272.	2.8	54
68	FGF21 as a mediator of adaptive responses to stress and metabolic benefits of anti-diabetic drugs. <i>Journal of Endocrinology</i> , 2015, 226, R1-R16.	2.6	54
69	Secretagogin affects insulin secretion in pancreatic β 2-cells by regulating actin dynamics and focal adhesion. <i>Biochemical Journal</i> , 2016, 473, 1791-1803.	3.7	53
70	Inhibition of Autoimmune Diabetes by TLR2 Tolerance. <i>Journal of Immunology</i> , 2011, 187, 5211-5220.	0.8	52
71	Metformin enhances glucagon-like peptide 1 via cooperation between insulin and Wnt signaling. <i>Journal of Endocrinology</i> , 2014, 220, 117-128.	2.6	52
72	CREBH-FGF21 axis improves hepatic steatosis by suppressing adipose tissue lipolysis. <i>Scientific Reports</i> , 2016, 6, 27938.	3.3	51

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73	Pathogenesis of Nonalcoholic Steatohepatitis and Hormone-Based Therapeutic Approaches. <i>Frontiers in Endocrinology</i> , 2018, 9, 485.	3.5	49
74	Autophagy induction can regulate skin pigmentation by causing melanosome degradation in keratinocytes and melanocytes. <i>Pigment Cell and Melanoma Research</i> , 2020, 33, 403-415.	3.3	49
75	Chronic HMGCR/HMG-CoA reductase inhibitor treatment contributes to dysglycemia by upregulating hepatic gluconeogenesis through autophagy induction. <i>Autophagy</i> , 2015, 11, 2089-2101.	9.1	47
76	Death effectors of β -cell apoptosis in type 1 diabetes. <i>Molecular Genetics and Metabolism</i> , 2004, 83, 82-92.	1.1	46
77	Recent progress in research on beta-cell apoptosis by cytokines. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 657.	3.0	46
78	Platelet-activating Factor-mediated NF- κ B Dependency of a Late Anaphylactic Reaction. <i>Journal of Experimental Medicine</i> , 2003, 198, 145-151.	8.5	45
79	Inhibition of NF- κ B prevents high glucose-induced proliferation and plasminogen activator inhibitor-1 expression in vascular smooth muscle cells. <i>Experimental and Molecular Medicine</i> , 2011, 43, 684.	7.7	44
80	Alterations in Gut Microbiota and Immunity by Dietary Fat. <i>Yonsei Medical Journal</i> , 2017, 58, 1083.	2.2	44
81	IFN γ sensitizes ME-180 human cervical cancer cells to TNF α -induced apoptosis by inhibiting cytoprotective NF- κ B activation. <i>FEBS Letters</i> , 2001, 495, 66-70.	2.8	42
82	Induction of caspase-11 by inflammatory stimuli in rat astrocytes: lipopolysaccharide induction through p38 mitogen-activated protein kinase pathway. <i>FEBS Letters</i> , 2001, 507, 157-162.	2.8	42
83	The Role of Autophagy in Systemic Metabolism and Human-Type Diabetes. <i>Molecules and Cells</i> , 2018, 41, 11-17.	2.6	42
84	Role of autophagy in the progression from obesity to diabetes and in the control of energy balance. <i>Archives of Pharmacal Research</i> , 2013, 36, 223-229.	6.3	41
85	Phosphodiesterase inhibitors control A172 human glioblastoma cell death through cAMP-mediated activation of protein kinase A and Epac1/Rap1 pathways. <i>Life Sciences</i> , 2012, 90, 373-380.	4.3	39
86	TMBIM6 (transmembrane BAX inhibitor motif containing 6) enhances autophagy through regulation of lysosomal calcium. <i>Autophagy</i> , 2021, 17, 761-778.	9.1	39
87	Association between Serum Albumin, Insulin Resistance, and Incident Diabetes in Nondiabetic Subjects. <i>Endocrinology and Metabolism</i> , 2013, 28, 26.	3.0	38
88	Nonsynonymous Variants in <i>PAX4</i> and <i>GLP1R</i> Are Associated With Type 2 Diabetes in an East Asian Population. <i>Diabetes</i> , 2018, 67, 1892-1902.	0.6	36
89	An autophagy enhancer ameliorates diabetes of human IAPP-transgenic mice through clearance of amyloidogenic oligomer. <i>Nature Communications</i> , 2021, 12, 183.	12.8	36
90	TFEB-mediated GDF15 axis protects against obesity and insulin resistance as a lysosomal stress response. <i>Nature Metabolism</i> , 2021, 3, 410-427.	11.9	36

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91	Caspase-Mediated p65 Cleavage Promotes TRAIL-Induced Apoptosis. <i>Cancer Research</i> , 2005, 65, 6111-6119.	0.9	35
92	Cellular aging of mitochondrial DNA-depleted cells. <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 1399-1405.	2.1	33
93	Role of Innate Immunity in Diabetes and Metabolism: Recent Progress in the Study of Inflammasomes. <i>Immune Network</i> , 2011, 11, 95.	3.6	30
94	GDF15 as a central mediator for integrated stress response and a promising therapeutic molecule for metabolic disorders and NASH. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129834.	2.4	30
95	Hemoglobin A1c values are affected by hemoglobin level and gender in non-€anemic Koreans. <i>Journal of Diabetes Investigation</i> , 2014, 5, 60-65.	2.4	29
96	A GLP-1/GLP-2 receptor dual agonist to treat NASH: Targeting the gut-liver axis and microbiome. <i>Hepatology</i> , 2022, 75, 1523-1538.	7.3	29
97	Diabetes-Free Survival in Patients Who Underwent Islet Autotransplantation After 50% to 60% Distal Partial Pancreatectomy for Benign Pancreatic Tumors. <i>Transplantation</i> , 2013, 95, 1396-1403.	1.0	28
98	Role of Autophagy in the Control of Body Metabolism. <i>Endocrinology and Metabolism</i> , 2013, 28, 6.	3.0	28
99	Diagnostic accuracy of plasma free metanephrines in a seated position compared with 24-hour urinary metanephrines in the investigation of pheochromocytoma. <i>Endocrine Journal</i> , 2015, 62, 243-250.	1.6	28
100	Amelioration of Autoimmune Diabetes of NOD Mice by Immunomodulating Probiotics. <i>Frontiers in Immunology</i> , 2020, 11, 1832.	4.8	28
101	Lysosomal Ca ²⁺ -mediated TFEB activation modulates mitophagy and functional adaptation of pancreatic β -cells to metabolic stress. <i>Nature Communications</i> , 2022, 13, 1300.	12.8	28
102	Overview of the Minireviews on Autophagy. <i>Molecules and Cells</i> , 2018, 41, 1-2.	2.6	27
103	Activin A, exendin-4, and glucose stimulate differentiation of human pancreatic ductal cells. <i>Journal of Endocrinology</i> , 2013, 217, 241-252.	2.6	26
104	Effect of mitochondrial stress on systemic metabolism. <i>Annals of the New York Academy of Sciences</i> , 2015, 1350, 61-65.	3.8	25
105	Role of JNK activation in pancreatic β -cell death by streptozotocin. <i>Molecular and Cellular Endocrinology</i> , 2010, 321, 131-137.	3.2	24
106	Role of Innate Immunity in the Pathogenesis of Type 1 and Type 2 Diabetes. <i>Journal of Korean Medical Science</i> , 2014, 29, 1038.	2.5	21
107	Role of mitochondrial function in cell death and body metabolism. <i>Frontiers in Bioscience - Landmark</i> , 2016, 21, 1233-1244.	3.0	21
108	IFN- γ sensitizes MIN6N8 insulinoma cells to TNF- α -induced apoptosis by inhibiting NF- κ B-mediated XIAP upregulation. <i>Biochemical and Biophysical Research Communications</i> , 2005, 336, 847-853.	2.1	20

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109	Sequential induction of heme oxygenase-1 and manganese superoxide dismutase protects cultured astrocytes against nitric oxide. <i>Biochemical Pharmacology</i> , 2005, 70, 590-597.	4.4	19
110	Resistance of β Cells against Apoptosis. <i>Annals of the New York Academy of Sciences</i> , 2004, 1011, 146-153.	3.8	18
111	Modulation of Glial and Neuronal Migration by Lipocalin-2 in Zebrafish. <i>Immune Network</i> , 2011, 11, 342.	3.6	17
112	Extracellular Vesicles as Messengers Between Hepatocytes and Macrophages in Nonalcoholic Steatohepatitis. <i>Gastroenterology</i> , 2016, 150, 815-818.	1.3	17
113	Korean Type 2 Diabetes Patients have Multiple Adenomatous Polyps Compared to Non-diabetic Controls. <i>Journal of Korean Medical Science</i> , 2011, 26, 1196.	2.5	16
114	Mitochondrial Ca Uptake Relieves Palmitate-Induced Cytosolic Ca Overload in MIN6 Cells. <i>Molecules and Cells</i> , 2020, 43, 66-75.	2.6	15
115	Comparative analysis of the role of small G proteins in cell migration and cell death: Cytoprotective and promigratory effects of RalA. <i>Experimental Cell Research</i> , 2011, 317, 2007-2018.	2.6	14
116	Education as Prescription for Patients with Type 2 Diabetes Mellitus: Compliance and Efficacy in Clinical Practice. <i>Diabetes and Metabolism Journal</i> , 2012, 36, 452.	4.7	13
117	Germline mutation of Glu70Lys is highly frequent in Korean patients with von Hippel-Lindau (VHL) disease. <i>Journal of Human Genetics</i> , 2014, 59, 488-493.	2.3	13
118	The Orphan Nuclear Receptor ERR β Regulates Hepatic CB1 Receptor-Mediated Fibroblast Growth Factor 21 Gene Expression. <i>PLoS ONE</i> , 2016, 11, e0159425.	2.5	13
119	Autophagy in FOXD1 stroma-derived cells regulates renal fibrosis through TGF- β 2 and NLRP3 inflammasome pathway. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 965-972.	2.1	13
120	Three-day continuous glucose monitoring for rapid assessment of hypoglycemic events and glycemic variability in type 1 diabetic patients. <i>Endocrine Journal</i> , 2011, 58, 535-541.	1.6	12
121	Assessment of β -cell function in human patients. <i>Islets</i> , 2012, 4, 79-83.	1.8	12
122	Atg7-dependent canonical autophagy regulates the degradation of aquaporin 2 in prolonged hypokalemia. <i>Scientific Reports</i> , 2019, 9, 3021.	3.3	12
123	Macrophages from Nonobese Diabetic Mouse Have a Selective Defect in IFN- γ but Not IFN- γ /IFN- β Receptor Pathway. <i>Journal of Clinical Immunology</i> , 2012, 32, 753-761.	3.8	11
124	Age-dependent gait abnormalities in mice lacking the <i>Rnf170</i> gene linked to human autosomal-dominant sensory ataxia. <i>Human Molecular Genetics</i> , 2015, 24, 7196-7206.	2.9	11
125	Improved Outcome of Islet Transplantation in Partially Pancreatectomized Diabetic Mice by Inhibition of Dipeptidyl Peptidase-4 With Sitagliptin. <i>Pancreas</i> , 2011, 40, 855-860.	1.1	10
126	Apoptosis of Human Islet Cells by Cytokines. <i>Immune Network</i> , 2012, 12, 113.	3.6	10

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127	Fas is Expressed in Murine Pancreatic Islet Cells and an Insulinoma Cell Line but Does Not Mediate Their Apoptosis <i>in vitro</i> . <i>Autoimmunity</i> , 1999, 29, 189-199.	2.6	9
128	Role of hypothalamic autophagy in the control of whole body energy balance. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2013, 14, 377-386.	5.7	9
129	Role and mechanism of pancreatic β -cell death in diabetes: The emerging role of autophagy. <i>Journal of Diabetes Investigation</i> , 2010, 1, 232-238.	2.4	8
130	Resistance of β Cells against Apoptosis. , 2004, 1011, 146-153.		8
131	Short Term Isocaloric Ketogenic Diet Modulates NLRP3 Inflammasome Via B-hydroxybutyrate and Fibroblast Growth Factor 21. <i>Frontiers in Immunology</i> , 2022, 13, 843520.	4.8	8
132	Mutations of Ret Proto-oncogene in 3 Korean Families with MEN 2A: Clinical Use of New Restriction Sites for Genetic Diagnosis.. <i>Endocrine Journal</i> , 1998, 45, 555-561.	1.6	7
133	Benefits of PEGylation in the early post-transplant period of intraportal islet transplantation as assessed by magnetic resonance imaging of labeled islets. <i>Islets</i> , 2014, 6, e27827.	1.8	7
134	Predictive factors of durability to sitagliptin: Slower reduction of glycated hemoglobin, older age and higher baseline glycated hemoglobin. <i>Journal of Diabetes Investigation</i> , 2014, 5, 51-59.	2.4	7
135	Glucagon/insulin ratio in preoperative screening before pancreatic surgery: correlation with hemoglobin A1C in subjects with and without pancreatic cancer. <i>Endocrine</i> , 2014, 47, 493-499.	2.3	7
136	Role of Autophagy in the Control of Cell Death and Inflammation. <i>Immune Network</i> , 2009, 9, 8.	3.6	6
137	Role of TLR2 in the pathogenesis of autoimmune diabetes and its therapeutic implication. <i>Diabetes/Metabolism Research and Reviews</i> , 2011, 27, 797-801.	4.0	6
138	Treatment of Autoimmune Diabetes by Inhibiting the Initial Event. <i>Immune Network</i> , 2013, 13, 194.	3.6	6
139	Cytokine Synergism in Apoptosis: Its Role in Diabetes and Cancer. <i>BMB Reports</i> , 2002, 35, 54-60.	2.4	6
140	Suppressive Effect of Autocrine FGF21 on Autophagy-Deficient Hepatic Tumorigenesis. <i>Frontiers in Oncology</i> , 2022, 12, 832804.	2.8	6
141	A defect in cell death of macrophages is a conserved feature of nonobese diabetic mouse. <i>Biochemical and Biophysical Research Communications</i> , 2012, 421, 145-151.	2.1	5
142	NF- κ B Pathway in Metabolic/endocrine Diseases. <i>Journal of Korean Endocrine Society</i> , 2006, 21, 352.	0.1	5
143	Current Status of Autophagy Enhancers in Metabolic Disorders and Other Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 811701.	3.7	5
144	Immunotherapeutic Treatment of Autoimmune Diabetes. <i>Critical Reviews in Immunology</i> , 2013, 33, 245-281.	0.5	3

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145	Innate immune receptors in type 1 diabetes: the relationship to cell death-associated inflammation. <i>Biochemical Society Transactions</i> , 2020, 48, 1213-1225.	3.4	3
146	Amelioration of obesity-induced diabetes by a novel autophagy enhancer. <i>Cell Stress</i> , 2018, 2, 181-183.	3.2	2
147	Essential role of lysosomal Ca ²⁺ -mediated TFEB activation in mitophagy and functional adaptation of pancreatic β -cells to metabolic stress. <i>Autophagy</i> , 2022, 18, 3043-3045.	9.1	2
148	A Case of Congenital Adrenal Hyperplasia Mimicking Cushing's Syndrome. <i>Journal of Korean Medical Science</i> , 2012, 27, 1439.	2.5	1
149	Resistance of mitochondrial DNA-deficient cells to TRAIL: role of Bax in TRAIL-induced apoptosis. , 0, .		1
150	Search for Materials that Influence Human Medullary Thyroid Carcinoma Cell Proliferation. <i>Journal of Korean Endocrine Society</i> , 2009, 24, 93.	0.1	1
151	Resistance of mitochondrial DNA-depleted cells against cell death: Potential relevance to aging. <i>Geriatrics and Gerontology International</i> , 2004, 4, S195-S197.	1.5	0
152	Effects of Islet Transplantation on Endogenous β -cell Regeneration after Partial Pancreatectomy in Rodents. <i>The Journal of Korean Diabetes Association</i> , 2007, 31, 113.	0.1	0
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