

# Kyong-Soo Park

## List of Publications by Year in descending order

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Version: 2024-02-01

466  
papers

31,886  
citations

7096

78  
h-index

7348

152  
g-index

481  
all docs

481  
docs citations

481  
times ranked

50303  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | The mutational constraint spectrum quantified from variation in 141,456 humans. <i>Nature</i> , 2020, 581, 434-443.  | 27.8 | 6,140     |
| 2  | Genome-wide trans-ancestry meta-analysis provides insight into the genetic architecture of type 2 diabetes susceptibility. <i>Nature Genetics</i> , 2014, 46, 234-244.   | 21.4 | 959       |
| 3  | The genetic architecture of type 2 diabetes. <i>Nature</i> , 2016, 536, 41-47.   | 27.8 | 952       |
| 4  | Variants in <i>KCNQ1</i> are associated with susceptibility to type 2 diabetes mellitus. <i>Nature Genetics</i> , 2008, 40, 1092-1097.   | 21.4 | 694       |
| 5  | Meta-analysis of genome-wide association studies identifies eight new loci for type 2 diabetes in east Asians. <i>Nature Genetics</i> , 2012, 44, 67-72.   | 21.4 | 545       |
| 6  | Increasing Prevalence of Metabolic Syndrome in Korea. <i>Diabetes Care</i> , 2011, 34, 1323-1328.  | 8.6  | 527       |
| 7  | Sarcopenic Obesity: Prevalence and Association With Metabolic Syndrome in the Korean Longitudinal Study on Health and Aging (KLoSHA). <i>Diabetes Care</i> , 2010, 33, 1652-1654.  | 8.6  | 471       |
| 8  | Dynamic changes in mitochondrial biogenesis and antioxidant enzymes during the spontaneous differentiation of human embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 1472-1478.                 | 2.1  | 425       |
| 9  | Plasma Retinol-Binding Protein-4 Concentrations Are Elevated in Human Subjects With Impaired Glucose Tolerance and Type 2 Diabetes. <i>Diabetes Care</i> , 2006, 29, 2457-2461.  | 8.6  | 370       |
| 10 | Differences in the glucose-lowering efficacy of dipeptidyl peptidase-4 inhibitors between Asians and non-Asians: a systematic review and meta-analysis. <i>Diabetologia</i> , 2013, 56, 696-708.   | 6.3  | 334       |
| 11 | Implication of Genetic Variants Near <i>TCF7L2</i> , <i>SLC30A8</i> , <i>HHEX</i> , <i>CDKAL1</i> , <i>CDKN2A/B</i> , <i>IGF2BP2</i> , and <i>FTO</i> in Type 2 Diabetes and Obesity in 6,719 Asians. <i>Diabetes</i> , 2008, 57, 2226-2233. | 0.6  | 331       |
| 12 | The N-End Rule Pathway. <i>Annual Review of Biochemistry</i> , 2012, 81, 261-289.  | 11.1 | 326       |
| 13 | Identification of type 2 diabetes loci in 433,540 East Asian individuals. <i>Nature</i> , 2020, 582, 240-245.  | 27.8 | 282       |
| 14 | 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       |
| 15 | Exome sequencing of 20,791 cases of type 2 diabetes and 24,440 controls. <i>Nature</i> , 2019, 570, 71-76.   | 27.8 | 248       |
| 16 | A genome-wide association study in the Japanese population identifies susceptibility loci for type 2 diabetes at <i>UBE2E2</i> and <i>C2CD4A-C2CD4B</i> . <i>Nature Genetics</i> , 2010, 42, 864-868.  | 21.4 | 245       |
| 17 | Resistin is secreted from macrophages in atheromas and promotes atherosclerosis. <i>Cardiovascular Research</i> , 2006, 69, 76-85.   | 3.8  | 221       |
| 18 | A Genome-Wide Association Study of Gestational Diabetes Mellitus in Korean Women. <i>Diabetes</i> , 2012, 61, 531-541.   | 0.6  | 215       |

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|----|--|------|-----------|
| 19 | Type 2 diabetes-associated genetic variants discovered in the recent genome-wide association studies are related to gestational diabetes mellitus in the Korean population. <i>Diabetologia</i> , 2009, 52, 253-261.   | 6.3  | 210       |
| 20 | The beneficial effects of empagliflozin, an SGLT2 inhibitor, on atherosclerosis in ApoE $\hat{\wedge}$ / $\hat{\wedge}$ mice fed a western diet. <i>Diabetologia</i> , 2017, 60, 364-376.  | 6.3  | 204       |
| 21 | Activation of Peroxisome Proliferator-activated Receptor- $\hat{1}$ 3 Inhibits the Runx2-mediated Transcription of Osteocalcin in Osteoblasts. <i>Journal of Biological Chemistry</i> , 2003, 278, 23270-23277.  | 3.4  | 198       |
| 22 | The Mitogenic and Antiapoptotic Actions of Ghrelin in 3T3-L1 Adipocytes. <i>Molecular Endocrinology</i> , 2004, 18, 2291-2301.   | 3.7  | 197       |
| 23 | Plasma Resistin Concentrations Measured by Enzyme-Linked Immunosorbent Assay Using a Newly Developed Monoclonal Antibody Are Elevated in Individuals with Type 2 Diabetes Mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 150-156. | 3.6  | 196       |
| 24 | Mitochondrial Haplogroup N9a Confers Resistance against Type 2 Diabetes in Asians. <i>American Journal of Human Genetics</i> , 2007, 80, 407-415.  | 6.2  | 194       |
| 25 | Chronic Exposure to the Herbicide, Atrazine, Causes Mitochondrial Dysfunction and Insulin Resistance. <i>PLoS ONE</i> , 2009, 4, e5186.  | 2.5  | 193       |
| 26 | Decreased mitochondrial DNA content in peripheral blood precedes the development of non-insulin-dependent diabetes mellitus. <i>Diabetes Research and Clinical Practice</i> , 1998, 42, 161-167.   | 2.8  | 189       |
| 27 | Relationship between serum adiponectin and leptin concentrations and body fat distribution. <i>Diabetes Research and Clinical Practice</i> , 2004, 63, 135-142.  | 2.8  | 184       |
| 28 | Multifactor-dimensionality reduction shows a two-locus interaction associated with Type 2 diabetes mellitus. <i>Diabetologia</i> , 2004, 47, 549-554.  | 6.3  | 183       |
| 29 | Magnetosome-like ferrimagnetic iron oxide nanocubes for highly sensitive MRI of single cells and transplanted pancreatic islets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2662-2667.                  | 7.1  | 183       |
| 30 | Ghrelin stimulates proliferation and differentiation and inhibits apoptosis in osteoblastic MC3T3-E1 cells. <i>Bone</i> , 2005, 37, 359-369.   | 2.9  | 181       |
| 31 | Improved Glycemic Control Without Hypoglycemia in Elderly Diabetic Patients Using the Ubiquitous Healthcare Service, a New Medical Information System. <i>Diabetes Care</i> , 2011, 34, 308-313.   | 8.6  | 181       |
| 32 | 2019 Clinical Practice Guidelines for Type 2 Diabetes Mellitus in Korea. <i>Diabetes and Metabolism Journal</i> , 2019, 43, 398.   | 4.7  | 176       |
| 33 | Obesity-induced DNA hypermethylation of the adiponectin gene mediates insulin resistance. <i>Nature Communications</i> , 2015, 6, 7585.  | 12.8 | 168       |
| 34 | Bisphenol A Impairs Mitochondrial Function in the Liver at Doses below the No Observed Adverse Effect Level. <i>Journal of Korean Medical Science</i> , 2012, 27, 644.   | 2.5  | 163       |
| 35 | A Systems Approach for Decoding Mitochondrial Retrograde Signaling Pathways. <i>Science Signaling</i> , 2013, 6, rs4.  | 3.6  | 162       |
| 36 | Dysregulation of Adipose Glutathione Peroxidase 3 in Obesity Contributes to Local and Systemic Oxidative Stress. <i>Molecular Endocrinology</i> , 2008, 22, 2176-2189.   | 3.7  | 156       |

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|----|---|------|-----------|
| 37 | Glutathione Peroxidase 3 Mediates the Antioxidant Effect of Peroxisome Proliferator-Activated Receptor $\beta$ in Human Skeletal Muscle Cells. <i>Molecular and Cellular Biology</i> , 2009, 29, 20-30.                             | 2.3  | 152       |
| 38 | Android Fat Depot Is More Closely Associated with Metabolic Syndrome than Abdominal Visceral Fat in Elderly People. <i>PLoS ONE</i> , 2011, 6, e27694.  | 2.5  | 151       |
| 39 | Genome-wide association studies in the Japanese population identify seven novel loci for type 2 diabetes. <i>Nature Communications</i> , 2016, 7, 10531.  | 12.8 | 149       |
| 40 | Mesenchymal Stem Cells Transfer Mitochondria to the Cells with Virtually No Mitochondrial Function but Not with Pathogenic mtDNA Mutations. <i>PLoS ONE</i> , 2012, 7, e32778.  | 2.5  | 146       |
| 41 | 10-year trajectory of $\beta$ -cell function and insulin sensitivity in the development of type 2 diabetes: a community-based prospective cohort study. <i>Lancet Diabetes and Endocrinology</i> , 2016, 4, 27-34.                  | 11.4 | 145       |
| 42 | Sarcopenia: An Independent Predictor of Mortality in Community-Dwelling Older Korean Men. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 1244-1252.                                 | 3.6  | 144       |
| 43 | Transcript expression-aware annotation improves rare variant interpretation. <i>Nature</i> , 2020, 581, 452-458.  | 27.8 | 142       |
| 44 | Differences in the lowering efficacy of glucagon-like peptide-1 analogues between Asians and non-Asians: a systematic review and meta-analysis. <i>Diabetes, Obesity and Metabolism</i> , 2014, 16, 900-909.                        | 4.4  | 141       |
| 45 | MG53-induced IRS-1 ubiquitination negatively regulates skeletal myogenesis and insulin signalling. <i>Nature Communications</i> , 2013, 4, 2354.  | 12.8 | 140       |
| 46 | Recent progress in genetic and epigenetic research on type 2 diabetes. <i>Experimental and Molecular Medicine</i> , 2016, 48, e220-e220.  | 7.7  | 140       |
| 47 | Common genetic polymorphisms in the promoter of resistin gene are major determinants of plasma resistin concentrations in humans. <i>Diabetologia</i> , 2004, 47, 559-565.  | 6.3  | 138       |
| 48 | Genetic alterations of JAK/STAT cascade and histone modification in extranodal NK/T-cell lymphoma nasal type. <i>Oncotarget</i> , 2015, 6, 17764-17776.   | 1.8  | 136       |
| 49 | Changes in ghrelin and ghrelin receptor expression according to feeding status. <i>NeuroReport</i> , 2003, 14, 1317-1320.   | 1.2  | 129       |
| 50 | Lysophosphatidylcholine Activates Adipocyte Glucose Uptake and Lowers Blood Glucose Levels in Murine Models of Diabetes. <i>Journal of Biological Chemistry</i> , 2009, 284, 33833-33840.   | 3.4  | 127       |
| 51 | Peripheral Blood Mitochondrial DNA Content Is Related to Insulin Sensitivity in Offspring of Type 2 Diabetic Patients. <i>Diabetes Care</i> , 2001, 24, 865-869.  | 8.6  | 124       |
| 52 | Glycogen synthase activity is reduced in cultured skeletal muscle cells of non-insulin-dependent diabetes mellitus subjects. <i>Biochemical and molecular mechanisms.. Journal of Clinical Investigation</i> , 1996, 98, 1231-1236. | 8.2  | 124       |
| 53 | Association of vitamin D deficiency with incidence of type 2 diabetes in high-risk Asian subjects. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 524-530.   | 4.7  | 114       |
| 54 | Serum 8-Hydroxy-Guanine Levels Are Increased in Diabetic Patients. <i>Diabetes Care</i> , 2001, 24, 733-737.  | 8.6  | 110       |

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|----|---|-----|-----------|
| 55 | Insulin-Sensitizing Effects of Exercise on Adiponectin and Retinol-Binding Protein-4 Concentrations in Young and Middle-Aged Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 2263-2268.  | 3.6 | 110       |
| 56 | Tauroursodeoxycholate (TUDCA), chemical chaperone, enhances function of islets by reducing ER stress. <i>Biochemical and Biophysical Research Communications</i> , 2010, 397, 735-739.  | 2.1 | 107       |
| 57 | 2015 Korean Guidelines for the Management of Dyslipidemia: Executive Summary (English Translation). <i>Korean Circulation Journal</i> , 2016, 46, 275.  | 1.9 | 106       |
| 58 | Diabetes Fact Sheets in Korea, 2018: An Appraisal of Current Status. <i>Diabetes and Metabolism Journal</i> , 2019, 43, 487.  | 4.7 | 105       |
| 59 | Changes in ghrelin and ghrelin receptor expression according to feeding status. <i>NeuroReport</i> , 2003, 14, 1317-1320.   | 1.2 | 102       |
| 60 | A mitochondrial DNA variant at position 16189 is associated with type 2 diabetes mellitus in Asians. <i>Diabetologia</i> , 2008, 51, 602-608.   | 6.3 | 100       |
| 61 | Fetal and Early Postnatal Protein Malnutrition Cause Long-Term Changes in Rat Liver and Muscle Mitochondria. <i>Journal of Nutrition</i> , 2003, 133, 3085-3090.  | 2.9 | 99        |
| 62 | Hyperglycemia Is Associated with Impaired Muscle Quality in Older Men with Diabetes: The Korean Longitudinal Study on Health and Aging. <i>Diabetes and Metabolism Journal</i> , 2016, 40, 140.   | 4.7 | 99        |
| 63 | 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        |
| 64 | Multifactorial intervention in diabetes care using real-time monitoring and tailored feedback in type 2 diabetes. <i>Acta Diabetologica</i> , 2016, 53, 189-198.  | 2.5 | 96        |
| 65 | Intra-abdominal fat is associated with decreased insulin sensitivity in healthy young men. <i>Metabolism: Clinical and Experimental</i> , 1991, 40, 600-603.  | 3.4 | 95        |
| 66 | Effects of Insulin and Antioxidant on Plasma 8-Hydroxyguanine and Tissue 8-Hydroxydeoxyguanosine in Streptozotocin-Induced Diabetic Rats. <i>Diabetes</i> , 2001, 50, 2837-2841.  | 0.6 | 94        |
| 67 | C1q Tumor Necrosis Factor $\hat{\pm}$ -related Protein Isoform 5 Is Increased in Mitochondrial DNA-depleted Myocytes and Activates AMP-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 2009, 284, 27780-27789.                         | 3.4 | 93        |
| 68 | Long-term oral exposure to bisphenol A induces glucose intolerance and insulin resistance. <i>Journal of Endocrinology</i> , 2015, 226, 35-42.  | 2.6 | 93        |
| 69 | Clinical and Genetic Risk Factors for Type 2 Diabetes at Early or Late Post Partum After Gestational Diabetes Mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E744-E752.  | 3.6 | 92        |
| 70 | Profiling of vitreous proteomes from proliferative diabetic retinopathy and nondiabetic patients. <i>Proteomics</i> , 2007, 7, 4203-4215.   | 2.2 | 91        |
| 71 | Troglitazone Effects on Gene Expression in Human Skeletal Muscle of Type II Diabetes Involve Up-Regulation of Peroxisome Proliferator-Activated Receptor- $\hat{\beta}$ 1. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998, 83, 2830-2835. | 3.6 | 89        |
| 72 | Genetic Polymorphisms in Peroxisome Proliferator-Activated Receptor $\hat{\alpha}$ Associated With Obesity. <i>Diabetes</i> , 2004, 53, 847-851.  | 0.6 | 89        |

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|----|---|------|-----------|
| 73 | PPAR- $\beta$ Activation Increases Insulin Secretion through the Up-regulation of the Free Fatty Acid Receptor GPR40 in Pancreatic $\beta$ -Cells. <i>PLoS ONE</i> , 2013, 8, e50128.   | 2.5  | 88        |
| 74 | Changes in the Characteristics of Metabolic Syndrome in Korea Over the Period 1998-2001 as Determined by Korean National Health and Nutrition Examination Surveys. <i>Diabetes Care</i> , 2005, 28, 1810-1812.                                      | 8.6  | 84        |
| 75 | A C/T Polymorphism in the 5' Untranslated Region of the CD40 Gene is Associated with Graves' Disease in Koreans. <i>Thyroid</i> , 2003, 13, 919-925.  | 4.5  | 83        |
| 76 | Accumulation of autophagosomes contributes to enhanced amyloidogenic APP processing under insulin-resistant conditions. <i>Autophagy</i> , 2012, 8, 1842-1844.  | 9.1  | 82        |
| 77 | Association of adiponectin and resistin with cardiovascular events in Korean patients with type 2 diabetes: The Korean atherosclerosis study (KAS). <i>Atherosclerosis</i> , 2008, 196, 398-404.  | 0.8  | 81        |
| 78 | Lower bone mineral density is associated with higher coronary calcification and coronary plaque burdens by multidetector row coronary computed tomography in pre- and postmenopausal women. <i>Clinical Endocrinology</i> , 2009, 71, 644-651.      | 2.4  | 81        |
| 79 | A Single Nucleotide Polymorphism within the Acetyl-Coenzyme A Carboxylase Beta Gene Is Associated with Proteinuria in Patients with Type 2 Diabetes. <i>PLoS Genetics</i> , 2010, 6, e1000842.  | 3.5  | 81        |
| 80 | Vitamin K2 Supplementation Improves Insulin Sensitivity via Osteocalcin Metabolism: A Placebo-Controlled Trial. <i>Diabetes Care</i> , 2011, 34, e147-e147.   | 8.6  | 81        |
| 81 | Lipid Profiles and Bone Mineral Density in Pre- and Postmenopausal Women in Korea. <i>Calcified Tissue International</i> , 2010, 87, 507-512.   | 3.1  | 80        |
| 82 | Silent corticotroph adenomas have unique recurrence characteristics compared with other nonfunctioning pituitary adenomas. <i>Clinical Endocrinology</i> , 2010, 72, 648-653.   | 2.4  | 80        |
| 83 | <i>In Vivo</i> Differentiation of Therapeutic Insulin-Producing Cells from Bone Marrow Cells via Extracellular Vesicle-Mimetic Nanovesicles. <i>ACS Nano</i> , 2015, 9, 11718-11727.  | 14.6 | 78        |
| 84 | Comparison between two methods of bioelectrical impedance analyses for accuracy in measuring abdominal visceral fat area. <i>Journal of Diabetes and Its Complications</i> , 2016, 30, 343-349.   | 2.3  | 78        |
| 85 | Persistent organic pollutants, mitochondrial dysfunction, and metabolic syndrome. <i>Annals of the New York Academy of Sciences</i> , 2010, 1201, 166-176.  | 3.8  | 77        |
| 86 | Troglitazone Effects on Gene Expression in Human Skeletal Muscle of Type II Diabetes Involve Up-Regulation of Peroxisome Proliferator-Activated Receptor- $\alpha$ . <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998, 83, 2830-2835. | 3.6  | 77        |
| 87 | Differences in pancreatic volume, fat content, and fat density measured by multidetector-row computed tomography according to the duration of diabetes. <i>Acta Diabetologica</i> , 2014, 51, 739-748.  | 2.5  | 76        |
| 88 | Vitamin D Inadequacy Is Associated with Significant Coronary Artery Stenosis in a Community-Based Elderly Cohort: The Korean Longitudinal Study on Health and Aging. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 169-178.   | 3.6  | 75        |
| 89 | Genetic association study of adiponectin polymorphisms with risk of Type 2 diabetes mellitus in Korean population. <i>Diabetic Medicine</i> , 2005, 22, 569-575.  | 2.3  | 74        |
| 90 | The effects of rosiglitazone and metformin on the plasma concentrations of resistin in patients with type 2 diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 2005, 54, 314-320.  | 3.4  | 72        |

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|-----|--|------|-----------|
| 91  | Fulminant type 1 diabetes in Korea: high prevalence among patients with adult-onset type 1 diabetes. <i>Diabetologia</i> , 2007, 50, 2276-2279.  | 6.3  | 72        |
| 92  | Hemoglobin A1c as a Diagnostic Tool for Diabetes Screening and New-Onset Diabetes Prediction. <i>Diabetes Care</i> , 2011, 34, 944-949.  | 8.6  | 72        |
| 93  | Comparison between sitagliptin as add-on therapy to insulin and insulin dose-increase therapy in uncontrolled Korean type 2 diabetes: CSI study. <i>Diabetes, Obesity and Metabolism</i> , 2012, 14, 795-802.  | 4.4  | 72        |
| 94  | Polymorphisms of KCNJ11 (Kir6.2 gene) are associated with Type 2 diabetes and hypertension in the Korean population. <i>Diabetic Medicine</i> , 2007, 24, 178-186.   | 2.3  | 70        |
| 95  | Control of Adipogenesis by the SUMO-Specific Protease SENP2. <i>Molecular and Cellular Biology</i> , 2010, 30, 2135-2146.  | 2.3  | 69        |
| 96  | Regulation of Glucose Transport by ROCK1 Differs from That of ROCK2 and Is Controlled by Actin Polymerization. <i>Endocrinology</i> , 2012, 153, 1649-1662.  | 2.8  | 69        |
| 97  | Altered APP Processing in Insulin-Resistant Conditions Is Mediated by Autophagosome Accumulation via the Inhibition of Mammalian Target of Rapamycin Pathway. <i>Diabetes</i> , 2012, 61, 3126-3138.   | 0.6  | 69        |
| 98  | Polymorphisms in the leptin receptor (LEPR) putative association with obesity and T2DM. <i>Journal of Human Genetics</i> , 2006, 51, 85-91.  | 2.3  | 67        |
| 99  | Enhanced mitochondrial biogenesis contributes to Wnt induced osteoblastic differentiation of C3H10T1/2 cells. <i>Bone</i> , 2010, 47, 140-150.   | 2.9  | 67        |
| 100 | Endothelial Progenitor Cell Cotransplantation Enhances Islet Engraftment by Rapid Revascularization. <i>Diabetes</i> , 2012, 61, 866-876.  | 0.6  | 65        |
| 101 | Mitochondrial metabolism and diabetes. <i>Journal of Diabetes Investigation</i> , 2010, 1, 161-169.  | 2.4  | 63        |
| 102 | Serum FGF21 concentration is associated with hypertriglyceridaemia, hyperinsulinaemia and pericardial fat accumulation, independently of obesity, but not with current coronary artery status. <i>Clinical Endocrinology</i> , 2014, 80, 57-64.                          | 2.4  | 63        |
| 103 | Effect of ginsam, a vinegar extract from Panax ginseng, on body weight and glucose homeostasis in an obese insulin-resistant rat model. <i>Metabolism: Clinical and Experimental</i> , 2009, 58, 8-15.   | 3.4  | 62        |
| 104 | PPAR $\gamma$ Gene Transfer Sustains Apoptosis, Inhibits Vascular Smooth Muscle Cell Proliferation, and Reduces Neointima Formation After Balloon Injury in Rats. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 808-813.                         | 2.4  | 61        |
| 105 | Betacellulin and nicotinamide sustain PDX1 expression and induce pancreatic $\beta$ -cell differentiation in human embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 129-134.  | 2.1  | 61        |
| 106 | PPAR $\gamma$ neddylation essential for adipogenesis is a potential target for treating obesity. <i>Cell Death and Differentiation</i> , 2016, 23, 1296-1311.  | 11.2 | 61        |
| 107 | Body-Weight Fluctuation and Incident Diabetes Mellitus, Cardiovascular Disease, and Mortality: A 16-Year Prospective Cohort Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 639-646.   | 3.6  | 61        |
| 108 | High Plasma Retinol Binding Protein-4 and Low Plasma Adiponectin Concentrations Are Associated with Severity of Glucose Intolerance in Women with Previous Gestational Diabetes Mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 3142-3148. | 3.6  | 60        |

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|-----|--|-----|-----------|
| 109 | The ginsenoside Rg3 has a stimulatory effect on insulin signaling in L6 myotubes. <i>Biochemical and Biophysical Research Communications</i> , 2009, 389, 70-73.   | 2.1 | 60        |
| 110 | Troglitazone Regulation of Glucose Metabolism in Human Skeletal Muscle Cultures from Obese Type II Diabetic Subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998, 83, 1636-1643.   | 3.6 | 59        |
| 111 | Impaired fatty acid metabolism in type 2 diabetic skeletal muscle cells is reversed by PPAR $\gamma$ agonists. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 289, E151-E159.  | 3.5 | 59        |
| 112 | Influence of strain and age differences on the yields of porcine islet isolation: extremely high islet yields from SPF CMS miniature pigs. <i>Xenotransplantation</i> , 2007, 14, 60-66.   | 2.8 | 59        |
| 113 | Serum fibroblast growth factor-21 concentration is associated with residual renal function and insulin resistance in end-stage renal disease patients receiving long-term peritoneal dialysis. <i>Metabolism: Clinical and Experimental</i> , 2010, 59, 1656-1662. | 3.4 | 59        |
| 114 | A Protein Profile of Visceral Adipose Tissues Linked to Early Pathogenesis of Type 2 Diabetes Mellitus. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 811-822.  | 3.8 | 59        |
| 115 | Comparison of Abdominal Visceral Adipose Tissue Area Measured by Computed Tomography with That Estimated by Bioelectrical Impedance Analysis Method in Korean Subjects. <i>Nutrients</i> , 2015, 7, 10513-10524.   | 4.1 | 59        |
| 116 | Rho-kinase/AMPK axis regulates hepatic lipogenesis during overnutrition. <i>Journal of Clinical Investigation</i> , 2018, 128, 5335-5350.  | 8.2 | 57        |
| 117 | Impaired Muscle Glycogen Synthase in Type 2 Diabetes Is Associated with Diminished Phosphatidylinositol 3-Kinase Activation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 4307-4314.  | 3.6 | 56        |
| 118 | Genome-wide association study identifies GYS2 as a novel genetic factor for polycystic ovary syndrome through obesity-related condition. <i>Journal of Human Genetics</i> , 2012, 57, 660-664.   | 2.3 | 55        |
| 119 | Hemoglobin Glycation Index Is Associated With Cardiovascular Diseases in People With Impaired Glucose Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 2905-2913.  | 3.6 | 55        |
| 120 | Past and current obesity in Koreans with non-insulin-dependent diabetes mellitus. <i>Diabetes Research and Clinical Practice</i> , 1997, 35, 49-56.  | 2.8 | 54        |
| 121 | Effect of Seasonal Changes on the Transition Between Subclinical Hypothyroid and Euthyroid Status. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 3420-3429.  | 3.6 | 54        |
| 122 | Effect of a new PPAR-gamma agonist, lobeglitazone, on neointimal formation after balloon injury in rats and the development of atherosclerosis. <i>Atherosclerosis</i> , 2015, 243, 107-119.   | 0.8 | 54        |
| 123 | Sarcopenia as a predictor of future cognitive impairment in older adults. <i>Journal of Nutrition, Health and Aging</i> , 2016, 20, 496-502.   | 3.3 | 53        |
| 124 | Genetics of Type 2 Diabetes in East Asian Populations. <i>Current Diabetes Reports</i> , 2012, 12, 686-696.  | 4.2 | 50        |
| 125 | SUMO-Specific Protease 2 (SEN2) Is an Important Regulator of Fatty Acid Metabolism in Skeletal Muscle. <i>Diabetes</i> , 2015, 64, 2420-2431.  | 0.6 | 50        |
| 126 | Differential Expression of Vitreous Proteins in Proliferative Diabetic Retinopathy. <i>Current Eye Research</i> , 2006, 31, 231-240.   | 1.5 | 49        |



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|-----|---|------|-----------|
| 127 | Determinants of penetrance and variable expressivity in monogenic metabolic conditions across 77,184 exomes. <i>Nature Communications</i> , 2021, 12, 3505.   | 12.8 | 49        |
| 128 | Gene Expression Pattern in Transmitochondrial Cytoplasmic Hybrid Cells Harboring Type 2 Diabetes-Associated Mitochondrial DNA Haplogroups. <i>PLoS ONE</i> , 2011, 6, e22116.   | 2.5  | 49        |
| 129 | Reproducibility of the cortisol response to stimulation with the low dose (1â€µg) of ACTH. <i>Clinical Endocrinology</i> , 1999, 51, 153-158.   | 2.4  | 48        |
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