

Hiroshi Maegawa

List of Publications by Year in descending order

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Version: 2024-02-01

329
papers

12,051
citations

25034

57
h-index

42399

92
g-index

342
all docs

342
docs citations

342
times ranked

16767
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Variants in KCNQ1 are associated with susceptibility to type 2 diabetes mellitus. <i>Nature Genetics</i> , 2008, 40, 1092-1097. | 21.4 | 694 |
| 2 | Peptide and Protein Library Screening Defines Optimal Substrate Motifs for AKT/PKB. <i>Journal of Biological Chemistry</i> , 2000, 275, 36108-36115. | 3.4 | 349 |
| 3 | A genome-wide association study in the Japanese population identifies susceptibility loci for type 2 diabetes at UBE2E2 and C2CD4A-C2CD4B. <i>Nature Genetics</i> , 2010, 42, 864-868. | 21.4 | 245 |
| 4 | Impaired Podocyte Autophagy Exacerbates Proteinuria in Diabetic Nephropathy. <i>Diabetes</i> , 2016, 65, 755-767. | 0.6 | 243 |
| 5 | Effect of an intensified multifactorial intervention on cardiovascular outcomes and mortality in type 2 diabetes (J-DOIT3): an open-label, randomised controlled trial. <i>Lancet Diabetes and Endocrinology</i> , 2017, 5, 951-964. | 11.4 | 228 |
| 6 | Oral Administration of Tetrahydrobiopterin Prevents Endothelial Dysfunction and Vascular Oxidative Stress in the Aortas of Insulin-Resistant Rats. <i>Circulation Research</i> , 2000, 87, 566-573. | 4.5 | 224 |
| 7 | Protein Phosphatase 2A Negatively Regulates Insulin's Metabolic Signaling Pathway by Inhibiting Akt (Protein Kinase B) Activity in 3T3-L1 Adipocytes. <i>Molecular and Cellular Biology</i> , 2004, 24, 8778-8789. | 2.3 | 199 |
| 8 | SGLT2 Inhibition Mediates Protection from Diabetic Kidney Disease by Promoting Ketone Body-Induced mTORC1 Inhibition. <i>Cell Metabolism</i> , 2020, 32, 404-419.e6. | 16.2 | 197 |
| 9 | Obesity-Mediated Autophagy Insufficiency Exacerbates Proteinuria-induced Tubulointerstitial Lesions. <i>Journal of the American Society of Nephrology: JASN</i> , 2013, 24, 1769-1781. | 6.1 | 185 |
| 10 | Amelioration of high fructose-induced metabolic derangements by activation of PPAR γ . <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002, 282, E1180-E1190. | 3.5 | 172 |
| 11 | Genome-Wide Association Study Identifies a Novel Locus Contributing to Type 2 Diabetes Susceptibility in Sikhs of Punjabi Origin From India. <i>Diabetes</i> , 2013, 62, 1746-1755. | 0.6 | 167 |
| 12 | Genome-wide association study identifies three novel loci for type 2 diabetes. <i>Human Molecular Genetics</i> , 2014, 23, 239-246. | 2.9 | 158 |
| 13 | 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 |
| 14 | Fenofibrate, a PPAR γ agonist, has renoprotective effects in mice by enhancing renal lipolysis. <i>Kidney International</i> , 2011, 79, 871-882. | 5.2 | 145 |
| 15 | Combined Expression of Pancreatic Duodenal Homeobox 1 and Islet Factor 1 Induces Immature Enterocytes to Produce Insulin. <i>Diabetes</i> , 2002, 51, 1398-1408. | 0.6 | 142 |
| 16 | Less Subclinical Atherosclerosis in Japanese Men in Japan than in White Men in the United States in the Post-World War II Birth Cohort. <i>American Journal of Epidemiology</i> , 2007, 165, 617-624. | 3.4 | 132 |
| 17 | Microbiome potentiates endurance exercise through intestinal acetate production. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E956-E966. | 3.5 | 131 |
| 18 | Replication of Genome-Wide Association Studies of Type 2 Diabetes Susceptibility in Japan. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 3136-3141. | 3.6 | 130 |

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|----|--|-----|-----------|
| 19 | Protein-tyrosine Phosphatase-1B Negatively Regulates Insulin Signaling in L6 Myocytes and Fao Hepatoma Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 10207-10211. | 3.4 | 126 |
| 20 | Effects of Pemafibrate, a Novel Selective PPAR α Modulator, on Lipid and Glucose Metabolism in Patients With Type 2 Diabetes and Hypertriglyceridemia: A Randomized, Double-Blind, Placebo-Controlled, Phase 3 Trial. <i>Diabetes Care</i> , 2018, 41, 538-546. | 8.6 | 122 |
| 21 | SIRT3 attenuates palmitate-induced ROS production and inflammation in proximal tubular cells. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1258-1267. | 2.9 | 121 |
| 22 | MicroRNA-494 regulates mitochondrial biogenesis in skeletal muscle through mitochondrial transcription factor A and Forkhead box j3. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E1419-E1427. | 3.5 | 119 |
| 23 | Enhanced sodium sensitivity and disturbed circadian rhythm of blood pressure in essential hypertension. <i>Journal of Hypertension</i> , 2006, 24, 1627-1632. | 0.5 | 113 |
| 24 | Inactivation of TNF α ameliorates diabetic neuropathy in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 301, E844-E852. | 3.5 | 109 |
| 25 | Impaired Autophosphorylation of Insulin Receptors From Abdominal Skeletal Muscles in Nonobese Subjects With NIDDM. <i>Diabetes</i> , 1991, 40, 815-819. | 0.6 | 99 |
| 26 | A single-nucleotide polymorphism in ANK1 is associated with susceptibility to type 2 diabetes in Japanese populations. <i>Human Molecular Genetics</i> , 2012, 21, 3042-3049. | 2.9 | 99 |
| 27 | Fatty acids are novel nutrient factors to regulate mTORC1 lysosomal localization and apoptosis in podocytes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1097-1108. | 3.8 | 99 |
| 28 | Autophagy as a Therapeutic Target in Diabetic Nephropathy. <i>Experimental Diabetes Research</i> , 2012, 2012, 1-12. | 3.8 | 92 |
| 29 | Autophagy regulates inflammation in adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 352-357. | 2.1 | 91 |
| 30 | Emerging role of podocyte autophagy in the progression of diabetic nephropathy. <i>Autophagy</i> , 2015, 11, 2385-2386. | 9.1 | 87 |
| 31 | Predictive Effects of Urinary Liver-Type Fatty Acid-binding Protein for Deteriorating Renal Function and Incidence of Cardiovascular Disease in Type 2 Diabetic Patients Without Advanced Nephropathy. <i>Diabetes Care</i> , 2013, 36, 1248-1253. | 8.6 | 86 |
| 32 | Thiazolidine Derivatives Ameliorate High Glucose-induced Insulin Resistance via the Normalization of Protein-tyrosine Phosphatase Activities. <i>Journal of Biological Chemistry</i> , 1995, 270, 7724-7730. | 3.4 | 84 |
| 33 | Lysophosphatidylcholine stimulates the expression and production of MCP-1 by human vascular endothelial cells. <i>Metabolism: Clinical and Experimental</i> , 1996, 45, 559-564. | 3.4 | 83 |
| 34 | Sumoylation of Pdx1 is associated with its nuclear localization and insulin gene activation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 284, E830-E840. | 3.5 | 81 |
| 35 | Omega-3 polyunsaturated fatty acid has an anti-oxidant effect via the Nrf-2/HO-1 pathway in 3T3-L1 adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 225-230. | 2.1 | 81 |
| 36 | Association of TCF7L2 polymorphisms with susceptibility to type 2 diabetes in 4,087 Japanese subjects. <i>Journal of Human Genetics</i> , 2008, 53, 174-180. | 2.3 | 80 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Oleate and eicosapentaenoic acid attenuate palmitate-induced inflammation and apoptosis in renal proximal tubular cell. <i>Biochemical and Biophysical Research Communications</i> , 2010, 402, 265-271. | 2.1 | 72 |
| 38 | MiR-494-3p regulates mitochondrial biogenesis and thermogenesis through PGC1- β signalling in beige adipocytes. <i>Scientific Reports</i> , 2018, 8, 15096. | 3.3 | 71 |
| 39 | Protein-tyrosine Phosphatase 1B as New Activator for Hepatic Lipogenesis via Sterol Regulatory Element-binding Protein-1 Gene Expression. <i>Journal of Biological Chemistry</i> , 2003, 278, 43095-43101. | 3.4 | 70 |
| 40 | Construction of a prediction model for type 2 diabetes mellitus in the Japanese population based on 11 genes with strong evidence of the association. <i>Journal of Human Genetics</i> , 2009, 54, 236-241. | 2.3 | 70 |
| 41 | 4-Hydroxy Hexenal Derived from Docosahexaenoic Acid Protects Endothelial Cells via Nrf2 Activation. <i>PLoS ONE</i> , 2013, 8, e69415. | 2.5 | 69 |
| 42 | Genetic variations in the gene encoding TFAP2B are associated with type 2 diabetes mellitus. <i>Journal of Human Genetics</i> , 2005, 50, 283-292. | 2.3 | 68 |
| 43 | Urinary Potassium Excretion and Renal and Cardiovascular Complications in Patients with Type 2 Diabetes and Normal Renal Function. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015, 10, 2152-2158. | 4.5 | 68 |
| 44 | Insulin Activates CCAAT/Enhancer Binding Proteins and Proinflammatory Gene Expression through the Phosphatidylinositol 3-Kinase Pathway in Vascular Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 36631-36639. | 3.4 | 67 |
| 45 | Large-scale survey of rates of achieving targets for blood glucose, blood pressure, and lipids and prevalence of complications in type 2 diabetes (IDDM 40). <i>BMJ Open Diabetes Research and Care</i> , 2016, 4, e000294. | 2.8 | 67 |
| 46 | Supernormal insulin: [D-PheB24]-insulin with increased affinity for insulin receptors. <i>Biochemical and Biophysical Research Communications</i> , 1982, 107, 329-336. | 2.1 | 66 |
| 47 | Persistent Activation of Phosphatidylinositol 3-Kinase Causes Insulin Resistance Due to Accelerated Insulin-Induced Insulin Receptor Substrate-1 Degradation in 3T3-L1 Adipocytes*. <i>Endocrinology</i> , 2000, 141, 1930-1935. | 2.8 | 65 |
| 48 | Reduction of insulin-stimulated glucose uptake by peroxynitrite is concurrent with tyrosine nitration of insulin receptor substrate-1. <i>Biochemical and Biophysical Research Communications</i> , 2004, 320, 639-647. | 2.1 | 65 |
| 49 | Low concentration of 4-hydroxy hexenal increases heme oxygenase-1 expression through activation of Nrf2 and antioxidative activity in vascular endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 402, 99-104. | 2.1 | 65 |
| 50 | A Mutation of COX6A1 Causes a Recessive Axonal or Mixed Form of Charcot-Marie-Tooth Disease. <i>American Journal of Human Genetics</i> , 2014, 95, 294-300. | 6.2 | 65 |
| 51 | The Role of Autophagy in the Pathogenesis of Diabetic Nephropathy. <i>Journal of Diabetes Research</i> , 2013, 2013, 1-9. | 2.3 | 64 |
| 52 | Association between single nucleotide polymorphisms within genes encoding sirtuin families and diabetic nephropathy in Japanese subjects with type 2 diabetes. <i>Clinical and Experimental Nephrology</i> , 2011, 15, 381-390. | 1.6 | 63 |
| 53 | Regulation of Mitochondrial Biogenesis by Lipoprotein Lipase in Muscle of Insulin-Resistant Offspring of Parents With Type 2 Diabetes. <i>Diabetes</i> , 2012, 61, 877-887. | 0.6 | 63 |
| 54 | Expression of a Dominant Negative SHP-2 in Transgenic Mice Induces Insulin Resistance. <i>Journal of Biological Chemistry</i> , 1999, 274, 30236-30243. | 3.4 | 62 |

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|----|---|-----|-----------|
| 55 | Association Between Urinary Type IV Collagen Level and Deterioration of Renal Function in Type 2 Diabetic Patients Without Overt Proteinuria. <i>Diabetes Care</i> , 2010, 33, 1805-1810. | 8.6 | 62 |
| 56 | Association of New Loci Identified in European Genome-Wide Association Studies with Susceptibility to Type 2 Diabetes in the Japanese. <i>PLoS ONE</i> , 2011, 6, e26911. | 2.5 | 62 |
| 57 | Anti-aging molecule, Sirt1: a novel therapeutic target for diabetic nephropathy. <i>Archives of Pharmacal Research</i> , 2013, 36, 230-236. | 6.3 | 60 |
| 58 | A high-fiber, low-fat diet improves periodontal disease markers in high-risk subjects: a pilot study. <i>Nutrition Research</i> , 2014, 34, 491-498. | 2.9 | 59 |
| 59 | Metabolic and hemodynamic effects of sodium-dependent glucose cotransporter 2 inhibitors on cardio-renal protection in the treatment of patients with type 2 diabetes mellitus. <i>Journal of Diabetes Investigation</i> , 2017, 8, 416-427. | 2.4 | 59 |
| 60 | Localization of the Insulin-like Growth Factor I Receptor Binding Sites for the SH2 Domain Proteins p85, Syp, and GTPase Activating Protein. <i>Journal of Biological Chemistry</i> , 1995, 270, 19151-19157. | 3.4 | 58 |
| 61 | Mammalian autophagy is essential for hepatic and renal ketogenesis during starvation. <i>Scientific Reports</i> , 2016, 6, 18944. | 3.3 | 58 |
| 62 | Reduction of Microalbuminuria in Patients With Type 2 Diabetes. <i>Diabetes Care</i> , 2007, 30, 1581-1583. | 8.6 | 56 |
| 63 | Dapagliflozin as Monotherapy or Combination Therapy in Japanese Patients with Type 2 Diabetes: an Open-Label Study. <i>Diabetes Therapy</i> , 2014, 5, 415-433. | 2.5 | 56 |
| 64 | Autophagy: Emerging Therapeutic Target for Diabetic Nephropathy. <i>Seminars in Nephrology</i> , 2014, 34, 9-16. | 1.6 | 56 |
| 65 | Single Nucleotide Polymorphism (468 Gly to Ala) at the Promoter Region of Sterol Regulatory Element-binding Protein-1c Associates with Genetic Defect of Fructose-induced Hepatic Lipogenesis. <i>Journal of Biological Chemistry</i> , 2004, 279, 29031-29042. | 3.4 | 55 |
| 66 | Gene Therapy for Neuropathic Pain by Silencing of TNF- α Expression with Lentiviral Vectors Targeting the Dorsal Root Ganglion in Mice. <i>PLoS ONE</i> , 2014, 9, e92073. | 2.5 | 54 |
| 67 | Fiber-rich diet with brown rice improves endothelial function in type 2 diabetes mellitus: A randomized controlled trial. <i>PLoS ONE</i> , 2017, 12, e0179869. | 2.5 | 52 |
| 68 | Role of Nutrient-Sensing Signals in the Pathogenesis of Diabetic Nephropathy. <i>BioMed Research International</i> , 2014, 2014, 1-9. | 1.9 | 51 |
| 69 | Amla Enhances Mitochondrial Spare Respiratory Capacity by Increasing Mitochondrial Biogenesis and Antioxidant Systems in a Murine Skeletal Muscle Cell Line. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-11. | 4.0 | 49 |
| 70 | A primary defect in insulin receptor in a young male patient with insulin resistance. <i>Metabolism: Clinical and Experimental</i> , 1986, 35, 950-955. | 3.4 | 48 |
| 71 | Intronic Polymorphisms within TFAP2B Regulate Transcriptional Activity and Affect Adipocytokine Gene Expression in Differentiated Adipocytes. <i>Molecular Endocrinology</i> , 2006, 20, 1104-1111. | 3.7 | 48 |
| 72 | Lipoprotein-associated phospholipase A2 is related to risk of subclinical atherosclerosis but is not supported by Mendelian randomization analysis in a general Japanese population. <i>Atherosclerosis</i> , 2016, 246, 141-147. | 0.8 | 48 |

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|----|---|-----|-----------|
| 73 | Much lower prevalence of coronary calcium detected by electron-beam computed tomography among men aged 40-49 in Japan than in the US, despite a less favorable profile of major risk factors. <i>International Journal of Epidemiology</i> , 2004, 34, 173-179. | 1.9 | 47 |
| 74 | Protein Phosphatase-2C \pm as a Positive Regulator of Insulin Sensitivity through Direct Activation of Phosphatidylinositol 3-Kinase in 3T3-L1 Adipocytes. <i>Journal of Biological Chemistry</i> , 2004, 279, 22715-22726. | 3.4 | 47 |
| 75 | Long chain n-3 polyunsaturated fatty acids and incidence rate of coronary artery calcification in Japanese men in Japan and white men in the USA: population based prospective cohort study. <i>Heart</i> , 2014, 100, 569-573. | 2.9 | 47 |
| 76 | Hyperglycemia Induces Skin Barrier Dysfunctions with Impairment of Epidermal Integrity in Non-Wounded Skin of Type 1 Diabetic Mice. <i>PLoS ONE</i> , 2016, 11, e0166215. | 2.5 | 47 |
| 77 | Soy phosphatidylcholine inhibited TLR4-mediated MCP-1 expression in vascular cells. <i>Atherosclerosis</i> , 2009, 205, 404-412. | 0.8 | 45 |
| 78 | Role of dietary amino acid balance in diet restriction-mediated lifespan extension, renoprotection, and muscle weakness in aged mice. <i>Aging Cell</i> , 2018, 17, e12796. | 6.7 | 45 |
| 79 | Relationship of Insulin Resistance to Prevalence and Progression of Coronary Artery Calcification Beyond Metabolic Syndrome Components. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 1703-1708. | 2.4 | 44 |
| 80 | Expression of Dominant Negative Mutant SHPTP2 Attenuates Phosphatidylinositol 3 ϵ 2-Kinase Activity via Modulation of Phosphorylation of Insulin Receptor Substrate-1. <i>Journal of Biological Chemistry</i> , 1996, 271, 12595-12602. | 3.4 | 43 |
| 81 | Endothelium-specific activation of NAD(P)H oxidase in aortas of exogenously hyperinsulinemic rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999, 277, E976-E983. | 3.5 | 43 |
| 82 | Replication Study for the Association of 9 East Asian GWAS-Derived Loci with Susceptibility to Type 2 Diabetes in a Japanese Population. <i>PLoS ONE</i> , 2013, 8, e76317. | 2.5 | 43 |
| 83 | Carotid Intima-Media Thickness and Plaque in Apparently Healthy Japanese Individuals with an Estimated 10-Year Absolute Risk of CAD Death According to the Japan Atherosclerosis Society (JAS) Guidelines 2012: The Shiga Epidemiological Study of Subclinical Atherosclerosis (SESSA). <i>Journal of Atherosclerosis and Thrombosis</i> , 2013, 20, 755-766. | 2.0 | 43 |
| 84 | A fish-based diet intervention improves endothelial function in postmenopausal women with type 2 diabetes mellitus: A randomized crossover trial. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 930-940. | 3.4 | 43 |
| 85 | Definitive diagnosis of mandibular hypoplasia, deafness, progeroid features and lipodystrophy (MDPL) syndrome caused by a recurrent <i>de novo</i> mutation in the <i>POLD1</i> gene. <i>Endocrine Journal</i> , 2018, 65, 227-238. | 1.6 | 42 |
| 86 | Declining trends of diabetic nephropathy, retinopathy and neuropathy with improving diabetes care indicators in Japanese patients with type 2 and type 1 diabetes (JDDM 46). <i>BMJ Open Diabetes Research and Care</i> , 2018, 6, e000521. | 2.8 | 42 |
| 87 | Association between urinary angiotensinogen levels and renal and cardiovascular prognoses in patients with type 2 diabetes mellitus. <i>Journal of Diabetes Investigation</i> , 2012, 3, 318-324. | 2.4 | 41 |
| 88 | Predictive Properties of Plasma Amino Acid Profile for Cardiovascular Disease in Patients with Type 2 Diabetes. <i>PLoS ONE</i> , 2014, 9, e101219. | 2.5 | 41 |
| 89 | 1-Methylnicotinamide ameliorates lipotoxicity-induced oxidative stress and cell death in kidney proximal tubular cells. <i>Free Radical Biology and Medicine</i> , 2015, 89, 831-841. | 2.9 | 41 |
| 90 | Stearoyl-CoA Desaturase-1 Protects Cells against Lipotoxicity-Mediated Apoptosis in Proximal Tubular Cells. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1868. | 4.1 | 41 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | lpragliflozin, a sodium-glucose cotransporter 2 inhibitor, reduces bodyweight and fat mass, but not muscle mass, in Japanese type 2 diabetes patients treated with insulin: A randomized clinical trial. <i>Journal of Diabetes Investigation</i> , 2019, 10, 1012-1021. | 2.4 | 41 |
| 92 | Evaluation of a Minimally Invasive System for Measuring Glucose Area under the Curve during Oral Glucose Tolerance Tests: Usefulness of Sweat Monitoring for Precise Measurement. <i>Journal of Diabetes Science and Technology</i> , 2013, 7, 678-688. | 2.2 | 40 |
| 93 | The Prognosis of Patients With Type 2 Diabetes and Nonalbuminuric Diabetic Kidney Disease Is Not Always Poor: Implication of the Effects of Coexisting Macrovascular Complications (JDDM 54). <i>Diabetes Care</i> , 2020, 43, 1102-1110. | 8.6 | 40 |
| 94 | Effects of a Fish-Based Diet on the Serum Adiponectin Concentration in Young, Non-Obese, Healthy Japanese Subjects. <i>Journal of Atherosclerosis and Thrombosis</i> , 2010, 17, 628-637. | 2.0 | 39 |
| 95 | Comparison of HOMA-IR, HOMA- β % and disposition index between US white men and Japanese men in Japan: the ERA JUMP study. <i>Diabetologia</i> , 2015, 58, 265-271. | 6.3 | 39 |
| 96 | Smoking, Smoking Cessation, and Measures of Subclinical Atherosclerosis in Multiple Vascular Beds in Japanese Men. <i>Journal of the American Heart Association</i> , 2016, 5, . | 3.7 | 39 |
| 97 | Secular changes in clinical manifestations of kidney disease among Japanese adults with type 2 diabetes from 1996 to 2014. <i>Journal of Diabetes Investigation</i> , 2019, 10, 1032-1040. | 2.4 | 39 |
| 98 | The Transcription Factor AP-2 β Causes Cell Enlargement and Insulin Resistance in 3T3-L1 Adipocytes. <i>Endocrinology</i> , 2006, 147, 1685-1696. | 2.8 | 38 |
| 99 | A Single Nucleotide Polymorphism within DUSP9 Is Associated with Susceptibility to Type 2 Diabetes in a Japanese Population. <i>PLoS ONE</i> , 2012, 7, e46263. | 2.5 | 38 |
| 100 | Stiffness and Impaired Blood Flow in Lower-Leg Arteries Are Associated With Severity of Coronary Artery Calcification Among Asymptomatic Type 2 Diabetic Patients. <i>Diabetes Care</i> , 2004, 27, 2409-2415. | 8.6 | 37 |
| 101 | Transcription Factor Activating Enhancer-binding Protein-2 β . <i>Journal of Biological Chemistry</i> , 2006, 281, 31245-31253. | 3.4 | 37 |
| 102 | Role of angiotensin II-mediated AMPK inactivation on obesity-related salt-sensitive hypertension. <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 559-564. | 2.1 | 37 |
| 103 | Assessing the Clinical Utility of a Genetic Risk Score Constructed Using 49 Susceptibility Alleles for Type 2 Diabetes in a Japanese Population. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E1667-E1673. | 3.6 | 37 |
| 104 | Renoprotective effect of DPP-4 inhibitors against free fatty acid-bound albumin-induced renal proximal tubular cell injury. <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 539-545. | 2.1 | 37 |
| 105 | Src homology 2 domains of protein tyrosine phosphatase are associated in vitro with both the insulin receptor and insulin receptor substrate-1 via different phosphotyrosine motifs. <i>FEBS Letters</i> , 1994, 340, 216-220. | 2.8 | 36 |
| 106 | Gene Therapy for Neuropathic Pain through siRNA-IRF5 Gene Delivery with Homing Peptides to Microglia. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 11, 203-215. | 5.1 | 36 |
| 107 | 4-Hydroxy hexenal derived from dietary n-3 polyunsaturated fatty acids induces anti-oxidative enzyme heme oxygenase-1 in multiple organs. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 991-996. | 2.1 | 35 |
| 108 | Efficacy and safety of pemafibrate in people with type 2 diabetes and elevated triglyceride levels: 52-week data from the PROVIDE study. <i>Diabetes, Obesity and Metabolism</i> , 2019, 21, 1737-1744. | 4.4 | 35 |

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|-----|--|------|-----------|
| 109 | Glycated Albumin Predicts the Risk of Mortality in Type 2 Diabetic Patients on Hemodialysis: Evaluation of a Target Level for Improving Survival. <i>Therapeutic Apheresis and Dialysis</i> , 2014, 18, 434-442. | 0.9 | 33 |
| 110 | Monkeys mutant for PKD1 recapitulate human autosomal dominant polycystic kidney disease. <i>Nature Communications</i> , 2019, 10, 5517. | 12.8 | 33 |
| 111 | Insulin Signaling and Its Regulation of System A Amino Acid Uptake in Cultured Rat Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 1996, 79, 1167-1176. | 4.5 | 33 |
| 112 | Haematopoietic cells produce BDNF and regulate appetite upon migration to the hypothalamus. <i>Nature Communications</i> , 2013, 4, 1526. | 12.8 | 32 |
| 113 | Population Pharmacokinetics and Therapeutic Efficacy of Febuxostat in Patients with Severe Renal Impairment. <i>Pharmacology</i> , 2015, 96, 90-98. | 2.2 | 32 |
| 114 | Membrane Localization of 3-Phosphoinositide-dependent Protein Kinase-1 Stimulates Activities of Akt and Atypical Protein Kinase C but Does Not Stimulate Glucose Transport and Glycogen Synthesis in 3T3-L1 Adipocytes. <i>Journal of Biological Chemistry</i> , 2002, 277, 38863-38869. | 3.4 | 31 |
| 115 | Protein-Tyrosine Phosphatase 1B Associates with Insulin Receptor and Negatively Regulates Insulin Signaling without Receptor Internalization. <i>Journal of Biochemistry</i> , 2004, 136, 89-96. | 1.7 | 31 |
| 116 | Visceral and Subcutaneous Adiposity and Adiponectin in Middle-aged Japanese Men: The ERA JUMP Study. <i>Obesity</i> , 2009, 17, 1269-1273. | 3.0 | 31 |
| 117 | Serum levels of marine-derived n-3 fatty acids in Icelanders, Japanese, Koreans, and Americans—a descriptive epidemiologic study. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2012, 87, 11-16. | 2.2 | 31 |
| 118 | GW501516, a PPAR δ Agonist, Ameliorates Tubulointerstitial Inflammation in Proteinuric Kidney Disease via Inhibition of TAK1-NF κ B Pathway in Mice. <i>PLoS ONE</i> , 2011, 6, e25271. | 2.5 | 31 |
| 119 | Ezetimibe prevents hepatic steatosis induced by a high-fat but not a high-fructose diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E293-E304. | 3.5 | 30 |
| 120 | Enhanced Intestinal Motility during Oral Glucose Tolerance Test after Laparoscopic Sleeve Gastrectomy: Preliminary Results Using Cine Magnetic Resonance Imaging. <i>PLoS ONE</i> , 2013, 8, e65739. | 2.5 | 30 |
| 121 | Lifetime cigarette smoking is associated with abdominal obesity in a community-based sample of Japanese men: The Shiga Epidemiological Study of Subclinical Atherosclerosis (SESSA). <i>Preventive Medicine Reports</i> , 2016, 4, 225-232. | 1.8 | 30 |
| 122 | A variant within the FTO confers susceptibility to diabetic nephropathy in Japanese patients with type 2 diabetes. <i>PLoS ONE</i> , 2018, 13, e0208654. | 2.5 | 30 |
| 123 | Insulin Production in a Neuroectodermal Tumor that Expresses Islet Factor-1, But Not Pancreatic-Duodenal Homeobox 1. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 1795-1800. | 3.6 | 29 |
| 124 | Abnormal peripheral circulation in type 2 diabetic patients with normal ankle-brachial index associates with coronary atherosclerosis, large artery stiffness, and peripheral vascular resistance. <i>Diabetes Research and Clinical Practice</i> , 2005, 70, 253-262. | 2.8 | 29 |
| 125 | Safety and efficacy of ipragliflozin in Japanese patients with type 2 diabetes in real-world clinical practice: interim results of the STELLA-LONG TERM post-marketing surveillance study. <i>Expert Opinion on Pharmacotherapy</i> , 2018, 19, 189-201. | 1.8 | 29 |
| 126 | Higher levels of adiponectin in American than in Japanese men despite obesity. <i>Metabolism: Clinical and Experimental</i> , 2006, 55, 1561-1563. | 3.4 | 28 |

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|-----|---|-----|-----------|
| 127 | MafA differentiates rat intestinal cells into insulin-producing cells. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 136-143. | 2.1 | 28 |
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