Soo Heon Kwak

List of Publications by Year
in descending order

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80 papers	5,829 citations	136950 32 h-index	76900 74 g-index
83 all docs	83 docs citations	83 times ranked	12005 citing authors

#	Article	IF	Citations
1	Genome-wide trans-ancestry meta-analysis provides insight into the genetic architecture of type 2 diabetes susceptibility. Nature Genetics, 2014, 46, 234-244.	21.4	959
2	Meta-analysis of genome-wide association studies identifies eight new loci for type 2 diabetes in east Asians. Nature Genetics, 2012, 44, 67-72.	21.4	545
3	Increasing Prevalence of Metabolic Syndrome in Korea. Diabetes Care, 2011, 34, 1323-1328.	8.6	527
4	Plasma Retinol-Binding Protein-4 Concentrations Are Elevated in Human Subjects With Impaired Glucose Tolerance and Type 2 Diabetes. Diabetes Care, 2006, 29, 2457-2461.	8.6	370
5	Differences in the glucose-lowering efficacy of dipeptidyl peptidase-4 inhibitors between Asians and non-Asians: a systematic review and meta-analysis. Diabetologia, 2013, 56, 696-708.	6.3	334
6	Exome sequencing of 20,791Âcases of type 2 diabetes and 24,440Âcontrols. Nature, 2019, 570, 71-76.	27.8	248
7	A Genome-Wide Association Study of Gestational Diabetes Mellitus in Korean Women. Diabetes, 2012, 61, 531-541.	0.6	215
8	Association of genetic variation in FTO with risk of obesity and type 2 diabetes with data from 96,551 East and South Asians. Diabetologia, 2012, 55, 981-995.	6.3	171
9	Genome-wide association studies in the Japanese population identify seven novel loci for type 2 diabetes. Nature Communications, 2016, 7, 10531.	12.8	149
10	10-year trajectory of Î²-cell function and insulin sensitivity in the development of type 2 diabetes: a community-based prospective cohort study. Lancet Diabetes and Endocrinology,the, 2016, 4, 27-34.	11.4	145
11	Recent progress in genetic and epigenetic research on type 2 diabetes. Experimental and Molecular Medicine, 2016, 48, e220-e220.	7.7	140
12	Genetic alterations of JAK/STAT cascade and histone modification in extranodal NK/T-cell lymphoma nasal type. Oncotarget, 2015, 6, 17764-17776.	1.8	136
13	Clinical and Genetic Risk Factors for Type 2 Diabetes at Early or Late Post Partum After Gestational Diabetes Mellitus. Journal of Clinical Endocrinology and Metabolism, 2013, 98, E744-E752.	3.6	92
14	Diagnostic Value of Galectin-3, HBME-1, Cytokeratin 19, High Molecular Weight Cytokeratin, Cyclin D1 and p27kip1 in the Differential Diagnosis of Thyroid Nodules. Journal of Korean Medical Science, 2007, 22, 621.	2.5	78
15	Atypical Hemolytic Uremic Syndrome Associated With Complement Factor H Autoantibodies and CFHR1/CFHR3 Deficiency. Pediatric Research, 2009, 66, 336-340.	2.3	77
16	Plasma vaspin concentrations are elevated in metabolic syndrome in men and are correlated with coronary atherosclerosis in women. Clinical Endocrinology, 2011, 75, 628-635.	2.4	70
17	Genome-wide association and expression quantitative trait loci studies identify multiple susceptibility loci for thyroid cancer. Nature Communications, 2017, 8, 15966.	12.8	64
18	Mitochondrial metabolism and diabetes. Journal of Diabetes Investigation, 2010, 1, 161-169.	2.4	63

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19	Cyclase-associated protein 1 is a binding partner of proprotein convertase subtilisin/kexin type-9 and is required for the degradation of low-density lipoprotein receptors by proprotein convertase subtilisin/kexin type-9. European Heart Journal, 2020, 41, 239-252.	2.2	61
20	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. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 3142-3148.	3.6	60
21	Prevention of type 2 diabetes mellitus in women with previous gestational diabetes mellitus. Korean Journal of Internal Medicine, 2017, 32, 26-41.	1.7	60
22	Genome-wide association study identifies GYS2 as a novel genetic factor for polycystic ovary syndrome through obesity-related condition. Journal of Human Genetics, 2012, 57, 660-664.	2.3	55
23	Gene Expression Pattern in Transmitochondrial Cytoplasmic Hybrid Cells Harboring Type 2 Diabetes-Associated Mitochondrial DNA Haplogroups. PLoS ONE, 2011, 6, e22116.	2.5	49
24	Mitochondrial dysfunction and metabolic syndromeâ€"looking for environmental factors. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 282-289.	2.4	48
25	Association of Variations in TPH1 and HTR2B with Gestational Weight Gain and Measures of Obesity. Obesity, 2012, 20, 233-238.	3.0	48
26	Serum aryl hydrocarbon receptor ligand activity is associated with insulin resistance and resulting type 2 diabetes. Acta Diabetologica, 2015, 52, 489-495.	2.5	48
27	Multi-ancestry genome-wide association study of gestational diabetes mellitus highlights genetic links with type 2 diabetes. Human Molecular Genetics, 2022, 31, 3377-3391.	2.9	47
28	Gender Differences in Diagnostic Values of Visceral Fat Area and Waist Circumference for Predicting Metabolic Syndrome in Koreans. Journal of Korean Medical Science, 2011, 26, 906.	2.5	44
29	Prediction of type 2 diabetes in women with a history of gestational diabetes using a genetic risk score. Diabetologia, 2013, 56, 2556-2563.	6.3	44
30	Subsequent Pregnancy After Gestational Diabetes Mellitus: Frequency and risk factors for recurrence in Korean women. Diabetes Care, 2008, 31, 1867-1871.	8.6	40
31	Identification of Novel Autoantibodies in Type 1 Diabetic Patients Using a High-Density Protein Microarray. Diabetes, 2014, 63, 3022-3032.	0.6	39
32	New susceptibility loci in MYL2, C12orf51 and OAS1 associated with 1-h plasma glucose as predisposing risk factors for type 2 diabetes in the Korean population. Journal of Human Genetics, 2013, 58, 362-365.	2.3	38
33	Weight Gain and Progression to Type 2 Diabetes in Women With a History of Gestational Diabetes Mellitus. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 3548-3555.	3.6	37
34	Nonsynonymous Variants in PAX4 and GLP1R Are Associated With Type 2 Diabetes in an East Asian Population. Diabetes, 2018, 67, 1892-1902.	0.6	36
35	Findings of a 1303 Korean whole-exome sequencing study. Experimental and Molecular Medicine, 2017, 49, e356-e356.	7.7	34
36	Polymorphisms in <i>KCNQ1</i> Are Associated with Gestational Diabetes in a Korean Population. Hormone Research in Paediatrics, 2010, 74, 333-338.	1.8	33

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37	Genetic Studies of Gestational Diabetes and Glucose Metabolism in Pregnancy. Current Diabetes Reports, 2020, 20, 69.	4.2	33
38	Clinical whole exome sequencing in early onset diabetes patients. Diabetes Research and Clinical Practice, 2016, 122, 71-77.	2.8	31
39	A genome-wide association study on thyroid function and anti-thyroid peroxidase antibodies in Koreans. Human Molecular Genetics, 2014, 23, 4433-4442.	2.9	30
40	Pregnancy Outcomes of Women Additionally Diagnosed as Gestational Diabetes by the International Association of the Diabetes and Pregnancy Study Groups Criteria. Diabetes and Metabolism Journal, 2019, 43, 766.	4.7	30
41	Identifying Pathogenic Variants of Monogenic Diabetes Using Targeted Panel Sequencing in an East Asian Population. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 4188-4198.	3.6	27
42	Genetics of type 2 diabetes and potential clinical implications. Archives of Pharmacal Research, 2013, 36, 167-177.	6.3	25
43	Association of polymorphisms in the insulin-degrading enzyme gene with type 2 diabetes in the Korean population. Diabetes Research and Clinical Practice, 2008, 79, 284-290.	2.8	24
44	DNA methylation profiles in sibling pairs discordant for intrauterine exposure to maternal gestational diabetes. Epigenetics, 2017, 12, 825-832.	2.7	24
45	Rare coding variants in 35 genes associate with circulating lipid levelsâ€"A multi-ancestry analysis of 170,000 exomes. American Journal of Human Genetics, 2022, 109, 81-96.	6.2	24
46	Finding Genetic Risk Factors of Gestational Diabetes. Genomics and Informatics, 2012, 10, 239.	0.8	22
47	Anti-programmed cell death 1 therapy triggering diabetic ketoacidosis and fulminant type 1 diabetes. Acta Diabetologica, 2016, 53, 853-856.	2.5	22
48	F-box only protein 9 is an E3 ubiquitin ligase of PPARÎ³. Experimental and Molecular Medicine, 2016, 48, e234-e234.	7.7	21
49	Genetic-risk assessment of GWAS-derived susceptibility loci for type 2 diabetes in a 10 year follow-up of a population-based cohort study. Journal of Human Genetics, 2016, 61, 1009-1012.	2.3	21
50	Role of mitochondrial DNA variation in the pathogenesis of diabetes mellitus. Frontiers in Bioscience - Landmark, 2016, 21, 1151-1167.	3.0	20
51	Genetic Studies on Diabetic Microvascular Complications: Focusing on Genome-Wide Association Studies. Endocrinology and Metabolism, 2015, 30, 147.	3.0	18
52	Comparison of the effects of gemigliptin and dapagliflozin on glycaemic variability in type 2 diabetes: A randomized, openâ€label, activeâ€controlled, 12â€week study (STABLE II study). Diabetes, Obesity and Metabolism, 2020, 22, 173-181.	4.4	18
53	Identification and Functional Characterization of P159L Mutation inHNF1Bin a Family with Maturity-Onset Diabetes of the Young 5 (MODY5). Genomics and Informatics, 2014, 12, 240.	0.8	17
54	Relationship of 11.BETA.-hydroxysteroid dehydrogenase type 1 and hexose-6-phosphate dehydrogenase gene polymorphisms with metabolic syndrome and type 2 diabetes. Endocrine Journal, 2011, 58, 949-959.	1.6	15

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55	DNA Methylation Changes Associated With Type 2 Diabetes and Diabetic Kidney Disease in an East Asian Population. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e3837-e3851.	3.6	15
56	Regulatory Effect of Common Promoter Polymorphisms on the Expression of the <i>11</i>Î²<i>-Hydroxysteroid Dehydrogenase Type 1 </i>Gene. Hormone Research in Paediatrics, 2009, 72, 25-32.	1.8	14
57	Normal Glucose Tolerance with a High 1-Hour Postload Plasma Glucose Level Exhibits Decreased Î²-Cell Function Similar to Impaired Glucose Tolerance. Diabetes and Metabolism Journal, 2015, 39, 147.	4.7	14
58	Estimated Association Between Cytokines and the Progression to Diabetes: 10-year Follow-Up From a Community-Based Cohort. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e381-e389.	3.6	14
59	Association of HLA Genotype and Fulminant Type 1 Diabetes in Koreans. Genomics and Informatics, 2015, 13, 126.	0.8	14
60	Identification of a genetic locus on chromosome 4q34-35 for type 2 diabetes with overweight. Experimental and Molecular Medicine, 2013, 45, e7-e7.	7.7	12
61	Update on Monogenic Diabetes in Korea. Diabetes and Metabolism Journal, 2020, 44, 627-639.	4.7	11
62	Pathophysiology of Type 2 Diabetes in Koreans. Endocrinology and Metabolism, 2018, 33, 9.	3.0	10
63	Oral Glucose Tolerance Testing Allows Better Prediction of Diabetes in Women with a History of Gestational Diabetes Mellitus. Diabetes and Metabolism Journal, 2019, 43, 342.	4.7	10
64	The Level of Autoantibodies Targeting Eukaryote Translation Elongation Factor 1 Î±1 and Ubiquitin-Conjugating Enzyme 2L3 in Nondiabetic Young Adults. Diabetes and Metabolism Journal, 2016, 40, 154.	4.7	9
65	Metabolic syndrome independently predicts future diabetes in women with a history of gestational diabetes mellitus. Medicine (United States), 2016, 95, e4582.	1.0	9
66	Progression to Gestational Diabetes Mellitus in Pregnant Women with One Abnormal Value in Repeated Oral Glucose Tolerance Tests. Diabetes and Metabolism Journal, 2019, 43, 607.	4.7	9
67	Identification of Two Cases of Ciliopathy-Associated Diabetes and Their Mutation Analysis Using Whole Exome Sequencing. Diabetes and Metabolism Journal, 2015, 39, 439.	4.7	6
68	Retinoid X Receptor Î± Overexpression Alleviates Mitochondrial Dysfunction-induced Insulin Resistance through Transcriptional Regulation of Insulin Receptor Substrate 1. Molecules and Cells, 2015, 38, 356-361.	2.6	6
69	Fimasartan increases glucoseâ€stimulated insulin secretion in patients with type 2 diabetes and hypertension compared with amlodipine. Diabetes, Obesity and Metabolism, 2018, 20, 1670-1677.	4.4	6
70	Sequencing Cell-free Fetal DNA in Pregnant Women With GCK-MODY. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 2678-2689.	3.6	6
71	Effects of Teneligliptin on HbA1c levels, Continuous Glucose Monitoring-Derived Time in Range and Glycemic Variability in Elderly Patients with T2DM (TEDDY Study). Diabetes and Metabolism Journal, 2022, 46, 81-92.	4.7	6
72	Maternal Hyperglycemia during Pregnancy Increases Adiposity of Offspring. Diabetes and Metabolism Journal, 2021, 45, 730-738.	4.7	6

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73	Mitochondrial Complexes I and II Are More Susceptible to Autophagy Deficiency in Mouse Î²-Cells. Endocrinology and Metabolism, 2015, 30, 65.	3.0	4
74	Genetics of Gestational Diabetes Mellitus. Journal of the Korean Medical Association, 2009, 52, 688.	0.3	3
75	A Novel Mutation in the Von Hippel-Lindau Tumor Suppressor Gene Identified in a Patient Presenting with Gestational Diabetes Mellitus. Endocrinology and Metabolism, 2013, 28, 320.	3.0	3
76	Longitudinal Changes of High Molecular Weight Adiponectin are Associated with Postpartum Development of Type 2 Diabetes Mellitus in Patients with Gestational Diabetes Mellitus. Endocrinology and Metabolism, 2021, 36, 114-122.	3.0	3
77	Efficacy and Safety of Self-Titration Algorithms of Insulin Glargine 300 units/mL in Individuals with Uncontrolled Type 2 Diabetes Mellitus (The Korean TITRATION Study): A Randomized Controlled Trial. Diabetes and Metabolism Journal, 2022, 46, 71-80.	4.7	3
78	Letter: Genome-Wide Association Study Identifies Two Novel Loci with Sex-Specific Effects for Type 2 Diabetes Mellitus and Glycemic Traits in a Korean Population (Diabetes Metab J2014;38:375-87). Diabetes and Metabolism Journal, 2014, 38, 484.	4.7	1
79	A case of monogenic diabetes mellitus caused by a novel heterozygous RFX6 nonsense mutation in a 14-year-old girl. Journal of Pediatric Endocrinology and Metabolism, 2021, 34, 1619-1622.	0.9	1
80	Impact of Evolutionary Changes in Nonalcoholic Fatty Liver Disease on Lung Function Decline. Gut and Liver, 2023, 17, 139-149.	2.9	1