

# Hyung Jin Choi

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

3,940  
citations

201674

27  
h-index

128289

60  
g-index

76  
all docs

76  
docs citations

76  
times ranked

8334  
citing authors

#	ARTICLE	IF	CITATIONS
1	A graphene-based electrochemical device with thermoresponsive microneedles for diabetes monitoring and therapy. <i>Nature Nanotechnology</i> , 2016, 11, 566-572.	31.5	1,394
2	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. <i>Nature Communications</i> , 2016, 7, 10495.	12.8	245
3	Large meta-analysis of genome-wide association studies identifies five loci for lean body mass. <i>Nature Communications</i> , 2017, 8, 80.	12.8	147
4	Multifunctional Wearable System that Integrates Sweat-Based Sensing and Vital Sign Monitoring to Estimate Pre-Post-Exercise Glucose Levels. <i>Advanced Functional Materials</i> , 2018, 28, 1805754.	14.9	143
5	Trabecular Bone Score as an Indicator for Skeletal Deterioration in Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 475-482.	3.6	140
6	Multistage genome-wide association meta-analyses identified two new loci for bone mineral density. <i>Human Molecular Genetics</i> , 2014, 23, 1923-1933.	2.9	130
7	Prevalence and risk factors of osteoporosis in Korea: A community-based cohort study with lumbar spine and hip bone mineral density. <i>Bone</i> , 2010, 47, 378-387.	2.9	116
8	Burden of osteoporosis in adults in Korea: a national health insurance database study. <i>Journal of Bone and Mineral Metabolism</i> , 2012, 30, 54-58.	2.7	81
9	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
10	Transplantation of Mesenchymal Stem Cells Overexpressing RANK-Fc or CXCR4 Prevents Bone Loss in Ovariectomized Mice. <i>Molecular Therapy</i> , 2009, 17, 1979-1987.	8.2	76
11	Central administration of GLP-1 and GIP decreases feeding in mice. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 247-252.	2.1	73
12	Fat mass is negatively associated with bone mineral content in Koreans. <i>Osteoporosis International</i> , 2012, 23, 2009-2016.	3.1	69
13	Positive regulation of osteogenesis by bile acid through FXR. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 2109-2121.	2.8	67
14	Prevalence of Vitamin D Deficiency and Effects of Supplementation With Cholecalciferol in Patients With Chronic Kidney Disease. , 2014, 24, 20-25.		57
15	Bisphosphonate use and subsequent hip fracture in South Korea. <i>Osteoporosis International</i> , 2013, 24, 2887-2892.	3.1	55
16	Changes of MicroRNA Profile and MicroRNA-mRNA Regulatory Network in Bones of Ovariectomized Mice. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 644-656.	2.8	55
17	Wnt inhibitory factor (WIF)-1 inhibits osteoblastic differentiation in mouse embryonic mesenchymal cells. <i>Bone</i> , 2009, 44, 1069-1077.	2.9	50
18	Preoperative Predictive Factors for Parathyroid Carcinoma in Patients with Primary Hyperparathyroidism. <i>Journal of Korean Medical Science</i> , 2012, 27, 890.	2.5	50

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19	Osteoblast-targeted overexpression of PPAR $\beta$ inhibited bone mass gain in male mice and accelerated ovariectomy-induced bone loss in female mice. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 1939-1952.	2.8	46
20	Transplantation of Human Umbilical Cord Blood-Derived Mesenchymal Stem Cells or Their Conditioned Medium Prevents Bone Loss in Ovariectomized Nude Mice. <i>Tissue Engineering - Part A</i> , 2013, 19, 685-696.	3.1	46
21	Human Adipose Tissue-Derived Stromal Cell Therapy Prevents Bone Loss in Ovariectomized Nude Mouse. <i>Tissue Engineering - Part A</i> , 2012, 18, 1067-1078.	3.1	44
22	The prevalence and risk factors of vertebral fractures in Korea. <i>Journal of Bone and Mineral Metabolism</i> , 2012, 30, 183-192.	2.7	42
23	Disentangling the genetics of lean mass. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 276-287.	4.7	38
24	Genetic Polymorphism of Geranylgeranyl Diphosphate Synthase (GGSP1) Predicts Bone Density Response to Bisphosphonate Therapy in Korean Women. <i>Yonsei Medical Journal</i> , 2010, 51, 231.	2.2	37
25	Risk of fractures in subjects with antihypertensive medications: A nationwide claim study. <i>International Journal of Cardiology</i> , 2015, 184, 62-67.	1.7	36
26	Metabolomics profiles associated with diabetic retinopathy in type 2 diabetes patients. <i>PLoS ONE</i> , 2020, 15, e0241365.	2.5	34
27	Transgenic mice overexpressing secreted frizzled-related proteins (sFRP)4 under the control of serum amyloid P promoter exhibit low bone mass but did not result in disturbed phosphate homeostasis. <i>Bone</i> , 2010, 47, 263-271.	2.9	33
28	Multidimensional Cognitive Behavioral Therapy for Obesity Applied by Psychologists Using a Digital Platform: Open-Label Randomized Controlled Trial. <i>JMIR MHealth and UHealth</i> , 2020, 8, e14817.	3.7	31
29	Chloride intracellular channel 1 regulates osteoblast differentiation. <i>Bone</i> , 2009, 45, 1175-1185.	2.9	28
30	Identification and Validation of Osteoporotic Hip Fracture Using the National Health Insurance Database. <i>The Journal of the Korean Hip Society</i> , 2010, 22, 305-311.	0.2	26
31	Chronic Central Administration of Ghrelin Increases Bone Mass through a Mechanism Independent of Appetite Regulation. <i>PLoS ONE</i> , 2013, 8, e65505.	2.5	25
32	Effect of glucose ingestion in plasma markers of inflammation and oxidative stress: Analysis of 16 plasma markers from oral glucose tolerance test samples of normal and diabetic patients. <i>Diabetes Research and Clinical Practice</i> , 2013, 99, e27-e31.	2.8	24
33	Association of Monocyte Chemoattractant Protein-1 (MCP-1) 2518A/G Polymorphism with Proliferative Diabetic Retinopathy in Korean Type 2 Diabetes. <i>Yonsei Medical Journal</i> , 2013, 54, 621.	2.2	24
34	Identification of <i>IDUA</i> and <i>WNT16</i> Phosphorylation-Related Non-Synonymous Polymorphisms for Bone Mineral Density in Meta-Analyses of Genome-Wide Association Studies. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 358-368.	2.8	24
35	The prevalence and risk factors of vertebral fractures in Korean patients with type 2 diabetes. <i>Journal of Bone and Mineral Metabolism</i> , 2013, 31, 161-168.	2.7	22
36	Exploring Abnormal Behavior Patterns of Online Users With Emotional Eating Behavior: Topic Modeling Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e15700.	4.3	22

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37	Application of a Perception Neuron <sup>®</sup> System in Simulation-Based Surgical Training. <i>Journal of Clinical Medicine</i> , 2019, 8, 124.	2.4	21
38	Genome-wide identification of palmitate-regulated immediate early genes and target genes in pancreatic beta-cells reveals a central role of NF- $\kappa$ B. <i>Molecular Biology Reports</i> , 2012, 39, 6781-6789.	2.3	20
39	(-)-Epigallocatechin-3-Gallate, an AMPK Activator, Decreases Ovariectomy-Induced Bone Loss by Suppression of Bone Resorption. <i>Calcified Tissue International</i> , 2012, 90, 404-410.	3.1	20
40	Machine Learning Analysis to Identify Digital Behavioral Phenotypes for Engagement and Health Outcome Efficacy of an mHealth Intervention for Obesity: Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , 2021, 23, e27218.	4.3	20
41	Life-threatening hypoglycemia induced by a tyrosine kinase inhibitor in a patient with neuroendocrine tumor: A case report. <i>Diabetes Research and Clinical Practice</i> , 2011, 93, e68-e70.	2.8	19
42	Digital Therapeutics for Obesity and Eating-Related Problems. <i>Endocrinology and Metabolism</i> , 2021, 36, 220-228.	3.0	19
43	Clinical efficacy and plausibility of a smartphone-based integrated online real-time diabetes care system via glucose and diet data management: a pilot study. <i>Internal Medicine Journal</i> , 2020, 50, 1524-1532.	0.8	17
44	Chemogenetic manipulation of parasympathetic neurons (DMV) regulates feeding behavior and energy metabolism. <i>Neuroscience Letters</i> , 2019, 712, 134356.	2.1	16
45	Germline mutations and genotype-phenotype correlations in patients with apparently sporadic pheochromocytoma/paraganglioma in Korea. <i>Clinical Genetics</i> , 2014, 86, 482-486.	2.0	15
46	Genome-wide association study in East Asians suggests UHMK1 as a novel bone mineral density susceptibility gene. <i>Bone</i> , 2016, 91, 113-121.	2.9	14
47	Clinical effectiveness of liraglutide on weight loss in South Koreans. <i>Medicine (United States)</i> , 2021, 100, e23780.	1.0	13
48	Metabolomics profiles associated with HbA1c levels in patients with type 2 diabetes. <i>PLoS ONE</i> , 2019, 14, e0224274.	2.5	12
49	Amodiaquine improves insulin resistance and lipid metabolism in diabetic model mice. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 1688-1701.	4.4	10
50	Central Regulation of Branched-Chain Amino Acids Is Mediated by AgRP Neurons. <i>Diabetes</i> , 2021, 70, 62-75.	0.6	10
51	Replication of Caucasian loci associated with bone mineral density in Koreans. <i>Osteoporosis International</i> , 2013, 24, 2603-2610.	3.1	9
52	Transcription factor 7-like 2 (TCF7L2) gene polymorphism rs7903146 is associated with stroke in type 2 diabetes patients with long disease duration. <i>Diabetes Research and Clinical Practice</i> , 2014, 103, e3-e6.	2.8	9
53	Utilizing Genetic Predisposition Score in Predicting Risk of Type 2 Diabetes Mellitus Incidence: A Community-based Cohort Study on Middle-aged Koreans. <i>Journal of Korean Medical Science</i> , 2015, 30, 1101.	2.5	9
54	Genetic analysis of parathyroid and pancreatic tumors in a patient with multiple endocrine neoplasia type 1 using whole-exome sequencing. <i>BMC Medical Genetics</i> , 2017, 18, 106.	2.1	9

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55	The impact of the modified schedules of anatomy education on students' performance and satisfaction: Responding to COVID-19 pandemic in South Korea. <i>PLoS ONE</i> , 2022, 17, e0266426.	2.5	9
56	Human transcriptome analysis of acute responses to glucose ingestion reveals the role of leukocytes in hyperglycemia-induced inflammation. <i>Physiological Genomics</i> , 2012, 44, 1179-1187.	2.3	8
57	GLP-1 Based Combination Therapy for Obesity and Diabetes. <i>Journal of Obesity and Metabolic Syndrome</i> , 2017, 26, 155-160.	3.6	8
58	Food Craving, Seeking, and Consumption Behaviors: Conceptual Phases and Assessment Methods Used in Animal and Human Studies. <i>Journal of Obesity and Metabolic Syndrome</i> , 2019, 28, 148-157.	3.6	8
59	Oral Bisphosphonate and Risk of Esophageal Cancer: A Nationwide Claim Study. <i>Journal of Bone Metabolism</i> , 2015, 22, 77.	1.3	7
60	Glucagon-Like Peptide-1 Receptor Agonist Differentially Affects Brain Activation in Response to Visual Food Cues in Lean and Obese Individuals with Type 2 Diabetes Mellitus. <i>Diabetes and Metabolism Journal</i> , 2020, 44, 248.	4.7	7
61	Impact of Hyperglycemia on Survival and Infection-Related Adverse Events in Patients with Metastatic Colorectal Cancer Who Were Receiving Palliative Chemotherapy. <i>Cancer Research and Treatment</i> , 2014, 46, 288-296.	3.0	7
62	High prevalence of low bone mass and associated factors in Korean HIV-positive male patients undergoing antiretroviral therapy. <i>Journal of the International AIDS Society</i> , 2014, 17, 18773.	3.0	6
63	Optimizing tissue clearing and imaging methods for human brain tissue. <i>Journal of International Medical Research</i> , 2021, 49, 0300060521110017.	1.0	2
64	Determinants of Short-Term Weight Gain Following Surgical Treatment for Craniopharyngioma in Adults. <i>Journal of Korean Neurosurgical Society</i> , 2022, 65, 439-448.	1.2	2
65	Antagonistic interaction between central glucagon-like Peptide-1 and oxytocin on diet-induced obesity mice. <i>Heliyon</i> , 2020, 6, e05190.	3.2	1
66	Psycho-Physiological Responses to a 4-Month High-Intensity Interval Training-Centered Multidisciplinary Weight-Loss Intervention in Adolescents with Obesity ( <i>J Obes Metab Syndr</i> ) Tj ETQq0 0 0 rgBT /Ovrdock 10If 50 297		
67	Proteome Analysis of the Hypothalamic Arcuate Nucleus in Chronic High-Fat Diet-Induced Obesity. <i>BioMed Research International</i> , 2021, 2021, 1-11.	1.9	1
68	Exome sequencing as a tool for short stature gene discovery: analysis of a Korean family with pseudohypoparathyroidism. <i>Genes and Genomics</i> , 2015, 37, 339-346.	1.4	0
69	Cover Image, Volume 20, Issue 7. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, i.	4.4	0
70	Author reply. <i>Internal Medicine Journal</i> , 2021, 51, 465-465.	0.8	0