

# Yi-Hsiang Hsu

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

8,413  
citations

101543

36  
h-index

71685

76  
g-index

85  
all docs

85  
docs citations

85  
times ranked

13126  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>FTO</i> Obesity Variant Circuitry and Adipocyte Browning in Humans. <i>New England Journal of Medicine</i> , 2015, 373, 895-907.	27.0	1,105
2	Genome-wide meta-analysis identifies 56 bone mineral density loci and reveals 14 loci associated with risk of fracture. <i>Nature Genetics</i> , 2012, 44, 491-501.	21.4	1,100
3	Twenty bone-mineral-density loci identified by large-scale meta-analysis of genome-wide association studies. <i>Nature Genetics</i> , 2009, 41, 1199-1206.	21.4	660
4	An atlas of genetic influences on osteoporosis in humans and mice. <i>Nature Genetics</i> , 2019, 51, 258-266.	21.4	557
5	Whole-genome sequencing identifies EN1 as a determinant of bone density and fracture. <i>Nature</i> , 2015, 526, 112-117.	27.8	483
6	Relation of body composition, fat mass, and serum lipids to osteoporotic fractures and bone mineral density in Chinese men and women. <i>American Journal of Clinical Nutrition</i> , 2006, 83, 146-154.	4.7	441
7	Incidence of Transitional Cell Carcinoma and Arsenic in Drinking Water: A Follow-up Study of 8,102 Residents in an Arseniasis-endemic Area in Northeastern Taiwan. <i>American Journal of Epidemiology</i> , 2001, 153, 411-418.	3.4	371
8	Collaborative Meta-analysis: Associations of 150 Candidate Genes With Osteoporosis and Osteoporotic Fracture. <i>Annals of Internal Medicine</i> , 2009, 151, 528.	3.9	250
9	Dose-Response Relationship Between Prevalence of Cerebrovascular Disease and Ingested Inorganic Arsenic. <i>Stroke</i> , 1997, 28, 1717-1723.	2.0	234
10	An Integration of Genome-Wide Association Study and Gene Expression Profiling to Prioritize the Discovery of Novel Susceptibility Loci for Osteoporosis-Related Traits. <i>PLoS Genetics</i> , 2010, 6, e1000977.	3.5	191
11	Association of JAG1 with Bone Mineral Density and Osteoporotic Fractures: A Genome-wide Association Study and Follow-up Replication Studies. <i>American Journal of Human Genetics</i> , 2010, 86, 229-239.	6.2	188
12	Arsenic methylation capacity, body retention, and null genotypes of glutathione S-transferase M1 and T1 among current arsenic-exposed residents in Taiwan. <i>Mutation Research - Reviews in Mutation Research</i> , 1997, 386, 197-207.	5.5	181
13	Biomarkers of exposure, effect, and susceptibility of arsenic-induced health hazards in Taiwan. <i>Toxicology and Applied Pharmacology</i> , 2005, 206, 198-206.	2.8	170
14	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
15	Leveraging Cross-Species Transcription Factor Binding Site Patterns: From Diabetes Risk Loci to Disease Mechanisms. <i>Cell</i> , 2014, 156, 343-358.	28.9	113
16	Low-Frequency Synonymous Coding Variation in CYP2R1 Has Large Effects on Vitamin D Levels and Risk of Multiple Sclerosis. <i>American Journal of Human Genetics</i> , 2017, 101, 227-238.	6.2	112
17	Pleiotropic genes for metabolic syndrome and inflammation. <i>Molecular Genetics and Metabolism</i> , 2014, 112, 317-338.	1.1	107
18	Variation in genes involved in the RANKL/RANK/OPG bone remodeling pathway are associated with bone mineral density at different skeletal sites in men. <i>Human Genetics</i> , 2006, 118, 568-577.	3.8	103

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19	Association of Polygenic Score for Schizophrenia and HLA Antigen and Inflammation Genes With Response to Lithium in Bipolar Affective Disorder. <i>JAMA Psychiatry</i> , 2018, 75, 65-74.	11.0	102
20	Genome-Wide Association Studies of Skeletal Phenotypes: What We Have Learned and Where We Are Headed. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E1958-E1977.	3.6	99
21	Genetic determinants of heel bone properties: genome-wide association meta-analysis and replication in the GEFOS/GENOMOS consortium. <i>Human Molecular Genetics</i> , 2014, 23, 3054-3068.	2.9	90
22	Impact of seafood and fruit consumption on bone mineral density. <i>Maturitas</i> , 2007, 56, 1-11.	2.4	87
23	Bivariate genome-wide association meta-analysis of pediatric musculoskeletal traits reveals pleiotropic effects at the SREBF1/TOM1L2 locus. <i>Nature Communications</i> , 2017, 8, 121.	12.8	82
24	<i>METTL21C</i> Is a Potential Pleiotropic Gene for Osteoporosis and Sarcopenia Acting Through the Modulation of the NF- $\kappa$ B Signaling Pathway. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 1531-1540.	2.8	80
25	Meta-analysis of epigenome-wide association studies of cognitive abilities. <i>Molecular Psychiatry</i> , 2018, 23, 2133-2144.	7.9	68
26	Bivariate genome-wide association analyses of the broad depression phenotype combined with major depressive disorder, bipolar disorder or schizophrenia reveal eight novel genetic loci for depression. <i>Molecular Psychiatry</i> , 2020, 25, 1420-1429.	7.9	68
27	Identification of homogeneous genetic architecture of multiple genetically correlated traits by block clustering of genome-wide associations. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 1261-1271.	2.8	56
28	Mouse BMD quantitative trait loci show improved concordance with human genome-wide association loci when recalculated on a new, common mouse genetic map. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 1808-1820.	2.8	53
29	Distinct DNA methylation profiles in bone and blood of osteoporotic and healthy postmenopausal women. <i>Epigenetics</i> , 2017, 12, 674-687.	2.7	53
30	<i>Bicc1</i> is a genetic determinant of osteoblastogenesis and bone mineral density. <i>Journal of Clinical Investigation</i> , 2014, 124, 2736-2749.	8.2	51
31	Genome-wide pleiotropy of osteoporosis-related phenotypes: The framingham study. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 1555-1563.	2.8	50
32	Epigenome-wide Association of DNA Methylation in Whole Blood With Bone Mineral Density. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1644-1650.	2.8	49
33	Association of the methylenetetrahydrofolate reductase C677T polymorphism and fracture risk in Chinese postmenopausal women. <i>Bone</i> , 2007, 40, 737-742.	2.9	47
34	Assessment of gene-by-sex interaction effect on bone mineral density. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 2051-2064.	2.8	47
35	Association of polygenic score for major depression with response to lithium in patients with bipolar disorder. <i>Molecular Psychiatry</i> , 2021, 26, 2457-2470.	7.9	44
36	Novel Genetic Variants Associated With Increased Vertebral Volumetric BMD, Reduced Vertebral Fracture Risk, and Increased Expression of <i>SLC1A3</i> and <i>EPHB2</i> . <i>Journal of Bone and Mineral Research</i> , 2016, 31, 2085-2097.	2.8	42

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37	Spontaneous and induced sister chromatid exchanges and delayed cell proliferation in peripheral lymphocytes of Bowen's disease patients and matched controls of arseniasis-hyperendemic villages in Taiwan. <i>Mutation Research - Reviews in Mutation Research</i> , 1997, 386, 241-251.	5.5	40
38	Association of the Polygenic Scores for Personality Traits and Response to Selective Serotonin Reuptake Inhibitors in Patients with Major Depressive Disorder. <i>Frontiers in Psychiatry</i> , 2018, 9, 65.	2.6	38
39	Disentangling the genetics of lean mass. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 276-287.	4.7	38
40	Phenomics-Based Quantification of CRISPR-Induced Mosaicism in Zebrafish. <i>Cell Systems</i> , 2020, 10, 275-286.e5.	6.2	38
41	Metabolomics Insights into Osteoporosis Through Association With Bone Mineral Density. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 729-738.	2.8	37
42	Large-Scale Genome-Wide Linkage Analysis for Loci Linked to BMD at Different Skeletal Sites in Extreme Selected Sibships. <i>Journal of Bone and Mineral Research</i> , 2006, 22, 184-194.	2.8	36
43	A genome-wide copy number association study of osteoporotic fractures points to the 6p25.1 locus. <i>Journal of Medical Genetics</i> , 2014, 51, 122-131.	3.2	36
44	Genome-wide association study for radiographic vertebral fractures: A potential role for the 16q24 BMD locus. <i>Bone</i> , 2014, 59, 20-27.	2.9	32
45	A combined reference panel from the 1000 Genomes and UK10K projects improved rare variant imputation in European and Chinese samples. <i>Scientific Reports</i> , 2016, 6, 39313.	3.3	32
46	Impact of Common Variation in Bone-Related Genes on Type 2 Diabetes and Related Traits. <i>Diabetes</i> , 2012, 61, 2176-2186.	0.6	31
47	A regulatory variant at 3q21.1 confers an increased pleiotropic risk for hyperglycemia and altered bone mineral density. <i>Cell Metabolism</i> , 2021, 33, 615-628.e13.	16.2	28
48	Meta-Analysis of Genomewide Association Studies Reveals Genetic Variants for Hip Bone Geometry. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1284-1296.	2.8	27
49	The association of obesity and coronary artery disease genes with response to SSRIs treatment in major depression. <i>Journal of Neural Transmission</i> , 2019, 126, 35-45.	2.8	27
50	Environmental Mold and Mycotoxin Exposures Elicit Specific Cytokine and Chemokine Responses. <i>PLoS ONE</i> , 2015, 10, e0126926.	2.5	26
51	Combining schizophrenia and depression polygenic risk scores improves the genetic prediction of lithium response in bipolar disorder patients. <i>Translational Psychiatry</i> , 2021, 11, 606.	4.8	25
52	Identification of a novel locus on chromosome 2q13, which predisposes to clinical vertebral fractures independently of bone density. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 378-385.	0.9	21
53	Genome-wide association meta-analyses to identify common genetic variants associated with hallux valgus in Caucasian and African Americans. <i>Journal of Medical Genetics</i> , 2015, 52, 762-769.	3.2	18
54	Genetic basis of falling risk susceptibility in the UK Biobank Study. <i>Communications Biology</i> , 2020, 3, 543.	4.4	17

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55	Genome-wide association study for radiographic vertebral fractures: a potential role for the 16q24 BMD locus. <i>Bone</i> , 2014, 59, 20-7.	2.9	17
56	Genetic variation in TRPS1 may regulate hip geometry as well as bone mineral density. <i>Bone</i> , 2012, 50, 1188-1195.	2.9	16
57	CYP19A1 polymorphisms are associated with bone mineral density in Chinese men. <i>Human Genetics</i> , 2007, 121, 491-500.	3.8	14
58	Percent fat mass is inversely associated with bone mass and hip geometry in rural Chinese adolescents. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 1544-1554.	2.8	14
59	Meta-analysis of genome-wide association studies identifies two loci associated with circulating osteoprotegerin levels. <i>Human Molecular Genetics</i> , 2014, 23, 6684-6693.	2.9	14
60	Using polygenic scores and clinical data for bipolar disorder patient stratification and lithium response prediction: machine learning approach. <i>British Journal of Psychiatry</i> , 2022, 220, 219-228.	2.8	11
61	Individual and Joint Associations of Methylenetetrahydrofolate Reductase C677T Genotype and Plasma Homocysteine With Dyslipidemia in a Chinese Population With Hypertension. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2017, 23, 287-293.	1.7	10
62	HLA-DRB1 and HLA-DQB1 genetic diversity modulates response to lithium in bipolar affective disorders. <i>Scientific Reports</i> , 2021, 11, 17823.	3.3	10
63	A Meta-Analysis of the Transferability of Bone Mineral Density Genetic Loci Associations From European to African Ancestry Populations. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 469-479.	2.8	9
64	DNA methylation-based subclassification of psoriasis in the Chinese Han population. <i>Frontiers of Medicine</i> , 2018, 12, 717-725.	3.4	8
65	Trans-Ethnic Polygenic Analysis Supports Genetic Overlaps of Lumbar Disc Degeneration With Height, Body Mass Index, and Bone Mineral Density. <i>Frontiers in Genetics</i> , 2018, 9, 267.	2.3	8
66	Associations between prenatal exposure to perfluoroalkyl substances, hypomethylation of MEST imprinted gene and birth outcomes. <i>Environmental Pollution</i> , 2022, 304, 119183.	7.5	8
67	Targeted sequencing of genome wide significant loci associated with bone mineral density (BMD) reveals significant novel and rare variants: the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) targeted sequencing study. <i>Human Molecular Genetics</i> , 2016, 25, ddw289.	2.9	7
68	Evaluation of power of the Illumina HumanOmni5M-4v1 BeadChip to detect risk variants for human complex diseases. <i>European Journal of Human Genetics</i> , 2016, 24, 1029-1034.	2.8	7
69	Associations of methylenetetrahydrofolate reductase C677T genotype with blood pressure levels in Chinese population with essential hypertension. <i>Clinical and Experimental Hypertension</i> , 2018, 40, 207-212.	1.3	7
70	Elevation in Total Homocysteine Levels in Chinese Patients With Essential Hypertension Treated With Antihypertensive Benazepril. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2016, 22, 191-198.	1.7	5
71	Genetic Determinants and Pharmacogenetics of Osteoporosis and Osteoporotic Fracture. <i>Contemporary Endocrinology</i> , 2020, , 485-506.	0.1	4
72	Association Study between the FTCDNL1 (FONG) and Susceptibility to Osteoporosis. <i>PLoS ONE</i> , 2015, 10, e0140549.	2.5	4

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73	Understanding the complex genetic architecture connecting rheumatoid arthritis, osteoporosis and inflammation: discovering causal pathways. Human Molecular Genetics, 2022, , .	2.9	3
74	Musculoskeletal genetics and -omics: Meeting report from the 32nd Annual Meeting of the American Society for Bone and Mineral Research. IBMS BoneKEy, 2011, 8, 112-122.	0.0	1
75	Interactive Effect of the KCNJ11 Ile337Val Polymorphism and Cigarette Smoking on the Antihypertensive Response to Irbesartan in Chinese Hypertensive Patients. American Journal of Hypertension, 2016, 29, 553-559.	2.0	1
76	Genetic determinants of bone mass and osteoporotic fracture. , 2020, , 1615-1630.		1
77	Effect of simvastatin on plasma homocysteine levels and its modification by MTHFR C677T polymorphism in Chinese patients with primary hyperlipidemia. Cardiovascular Therapeutics, 2012, 31, n/a-n/a.	2.5	1
78	Response to fat mass is a positive predictor of bone mass in adolescents. Journal of Bone and Mineral Research, 2011, 26, 674-675.	2.8	0
79	ISDN2014_0385: REMOVED: A bivariate Genome Wide Association Study (GWAS) of depressive symptoms and lipid levels has identified pleiotropic gene loci. International Journal of Developmental Neuroscience, 2015, 47, 113-114.	1.6	0
80	METTL21C: From GWAS to in vitro function in skeletal muscle cells. FASEB Journal, 2013, 27, 942.5.	0.5	0
81	Whole genome shotgun metagenomic sequencing to identify differential abundant microbiome features between dementia and mild cognitive impairment (MCI) in AD subjects. Alzheimer's and Dementia, 2021, 17, .	0.8	0