

Hui Shen

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

2,766
citations

218677

26
h-index

214800

47
g-index

101
all docs

101
docs citations

101
times ranked

4292
citing authors

#	ARTICLE	IF	CITATIONS
1	ST-V-Net: incorporating shape prior into convolutional neural networks for proximal femur segmentation. <i>Complex & Intelligent Systems</i> , 2023, 9, 2747-2758.	6.5	8
2	A multiethnic whole genome sequencing study to identify novel loci for bone mineral density. <i>Human Molecular Genetics</i> , 2022, 31, 1067-1081.	2.9	8
3	Epigenomic and Transcriptomic Prioritization of Candidate Obesity-Risk Regulatory GWAS SNPs. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1271.	4.1	5
4	Multi-omics research in sarcopenia: Current progress and future prospects. <i>Ageing Research Reviews</i> , 2022, 76, 101576.	10.9	24
5	Network-Based Approach to Repurpose Approved Drugs for COVID-19 by Integrating GWAS and Text Mining Data. <i>Processes</i> , 2022, 10, 326.	2.8	1
6	Pathway-based metabolomics study of sarcopenia-related traits in two US cohorts. <i>Aging</i> , 2022, 14, 2101-2112.	3.1	5
7	Integration of the Human Gut Microbiome and Serum Metabolome Reveals Novel Biological Factors Involved in the Regulation of Bone Mineral Density. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 853499.	3.9	9
8	Identification and Functional Characterization of Metabolites for Skeletal Muscle Mass in Early Postmenopausal Chinese Women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 2346-2355.	3.6	2
9	Associations of physical activity with sarcopenia and sarcopenic obesity in middle-aged and older adults: the Louisiana osteoporosis study. <i>BMC Public Health</i> , 2022, 22, 896.	2.9	10
10	Integrative analysis of multi-omics data to detect the underlying molecular mechanisms for obesity in vivo in humans. <i>Human Genomics</i> , 2022, 16, 15.	2.9	6
11	Pleiotropic genomic variants at 17q21.31 associated with bone mineral density and body fat mass: a bivariate genome-wide association analysis. <i>European Journal of Human Genetics</i> , 2021, 29, 553-563.	2.8	3
12	GWA-based pleiotropic analysis identified potential SNPs and genes related to type 2 diabetes and obesity. <i>Journal of Human Genetics</i> , 2021, 66, 297-306.	2.3	12
13	Three pleiotropic loci associated with bone mineral density and lean body mass. <i>Molecular Genetics and Genomics</i> , 2021, 296, 55-65.	2.1	4
14	Identification of pleiotropic loci underlying hip bone mineral density and trunk lean mass. <i>Journal of Human Genetics</i> , 2021, 66, 251-260.	2.3	3
15	The RNA methyltransferase NSUN6 suppresses pancreatic cancer development by regulating cell proliferation. <i>EBioMedicine</i> , 2021, 63, 103195.	6.1	45
16	Prioritization of Osteoporosis-Associated Genome-wide Association Study (<sc>GWAS</sc>) Single-Nucleotide Polymorphisms (<sc>SNPs</sc>) Using Epigenomics and Transcriptomics. <i>JBMR Plus</i> , 2021, 5, e10481.	2.7	14
17	Identification and Functional Characterization of Metabolites for Bone Mass in Peri- and Postmenopausal Chinese Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e3159-e3177.	3.6	14
18	Single-cell RNA sequencing of human femoral head in vivo. <i>Aging</i> , 2021, 13, 15595-15619.	3.1	13

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19	O-GlcNAc transferase Ogt regulates embryonic neuronal development through modulating Wnt/ β 2-catenin signaling. <i>Human Molecular Genetics</i> , 2021, 31, 57-68.	2.9	17
20	A systematic dissection of human primary osteoblasts in vivo at single-cell resolution. <i>Aging</i> , 2021, 13, 20629-20650.	3.1	19
21	A generalized kernel machine approach to identify higher-order composite effects in multi-view datasets, with application to adolescent brain development and osteoporosis. <i>Journal of Biomedical Informatics</i> , 2021, 120, 103854.	4.3	2
22	Human gut microbiome impacts skeletal muscle mass via gut microbial synthesis of the short-chain fatty acid butyrate among healthy menopausal women. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 1860-1870.	7.3	48
23	A transcriptome-wide association study to detect novel genes for volumetric bone mineral density. <i>Bone</i> , 2021, 153, 116106.	2.9	3
24	Single-cell RNA sequencing deconvolutes the <i>in vivo</i> heterogeneity of human bone marrow-derived mesenchymal stem cells. <i>International Journal of Biological Sciences</i> , 2021, 17, 4192-4206.	6.4	39
25	Evaluation of the <i>in vitro</i> Activity and <i>in vivo</i> Efficacy of Anidulafungin-Loaded Human Serum Albumin Nanoparticles Against <i>Candida albicans</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 788442.	3.5	1
26	A road map for understanding molecular and genetic determinants of osteoporosis. <i>Nature Reviews Endocrinology</i> , 2020, 16, 91-103.	9.6	200
27	Tamoxifen inhibits cell proliferation by impaired glucose metabolism in gallbladder cancer. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 1599-1613.	3.6	10
28	Multi-omics Data Integration for Identifying Osteoporosis Biomarkers and Their Biological Interaction and Causal Mechanisms. <i>IScience</i> , 2020, 23, 100847.	4.1	48
29	A novel computational strategy for DNA methylation imputation using mixture regression model (MRM). <i>BMC Bioinformatics</i> , 2020, 21, 552.	2.6	12
30	Four pleiotropic loci associated with fat mass and lean mass. <i>International Journal of Obesity</i> , 2020, 44, 2113-2123.	3.4	2
31	Gene Expression and RNA Splicing Imputation Identifies Novel Candidate Genes Associated with Osteoporosis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e4742-e4757.	3.6	12
32	A Review of Integrative Imputation for Multi-Omics Datasets. <i>Frontiers in Genetics</i> , 2020, 11, 570255.	2.3	57
33	Medium-coverage DNA sequencing in the design of the genetic association study. <i>European Journal of Human Genetics</i> , 2020, 28, 1459-1466.	2.8	2
34	Deoxycholic acid modulates the progression of gallbladder cancer through N6-methyladenosine-dependent microRNA maturation. <i>Oncogene</i> , 2020, 39, 4983-5000.	5.9	48
35	Mendelian Randomization Identifies CpG Methylation Sites With Mediation Effects for Genetic Influences on BMD in Peripheral Blood Monocytes. <i>Frontiers in Genetics</i> , 2020, 11, 60.	2.3	9
36	Association of 3p27.1 Variants with Whole Body Lean Mass Identified by a Genome-wide Association Study. <i>Scientific Reports</i> , 2020, 10, 4293.	3.3	2

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37	Identification of novel functional CpG-SNPs associated with type 2 diabetes and coronary artery disease. <i>Molecular Genetics and Genomics</i> , 2020, 295, 607-619.	2.1	11
38	A trans-ethnic two-stage polygenetic scoring analysis detects genetic correlation between osteoporosis and schizophrenia. <i>Clinical and Translational Medicine</i> , 2020, 9, 21.	4.0	2
39	Osteoporosis- and obesity-risk interrelationships: an epigenetic analysis of GWAS-derived SNPs at the developmental gene <i>TBX15</i> . <i>Epigenetics</i> , 2020, 15, 728-749.	2.7	11
40	Quantification of aminobutyric acids and their clinical applications as biomarkers for osteoporosis. <i>Communications Biology</i> , 2020, 3, 39.	4.4	39
41	Two novel pleiotropic loci associated with osteoporosis and abdominal obesity. <i>Human Genetics</i> , 2020, 139, 1023-1035.	3.8	8
42	A Statistical Test for Differential Network Analysis Based on Inference of Gaussian Graphical Model. <i>Scientific Reports</i> , 2019, 9, 10863.	3.3	12
43	Variants in oxidative stress-related genes affect the chemosensitivity through Nrf2-mediated signaling pathway in biliary tract cancer. <i>EBioMedicine</i> , 2019, 48, 143-160.	6.1	20
44	Geographical differences in osteoporosis, obesity, and sarcopenia related traits in white American cohorts. <i>Scientific Reports</i> , 2019, 9, 12311.	3.3	6
45	Integrative genomic analysis predicts novel functional enhancer-SNPs for bone mineral density. <i>Human Genetics</i> , 2019, 138, 167-185.	3.8	4
46	m6A Regulates Neurogenesis and Neuronal Development by Modulating Histone Methyltransferase Ezh2. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 154-168.	6.9	135
47	PLEK2 promotes gallbladder cancer invasion and metastasis through EGFR/CCL2 pathway. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 247.	8.6	56
48	Identification of a 1p21 independent functional variant for abdominal obesity. <i>International Journal of Obesity</i> , 2019, 43, 2480-2490.	3.4	5
49	Two functional variants at 6p21.1 were associated with lean mass. <i>Skeletal Muscle</i> , 2019, 9, 28.	4.2	7
50	Genome-wide CRISPR screen identifies ELP5 as a determinant of gemcitabine sensitivity in gallbladder cancer. <i>Nature Communications</i> , 2019, 10, 5492.	12.8	54
51	Circular RNA circERBB2 promotes gallbladder cancer progression by regulating PA2G4-dependent rDNA transcription. <i>Molecular Cancer</i> , 2019, 18, 166.	19.2	71
52	PCA-based GRS analysis enhances the effectiveness for genetic correlation detection. <i>Briefings in Bioinformatics</i> , 2019, 20, 2291-2298.	6.5	6
53	Assessing the Genetic Correlations Between Blood Plasma Proteins and Osteoporosis: A Polygenic Risk Score Analysis. <i>Calcified Tissue International</i> , 2019, 104, 171-181.	3.1	11
54	Detecting epistasis within chromatin regulatory circuitry reveals CAND2 as a novel susceptibility gene for obesity. <i>International Journal of Obesity</i> , 2019, 43, 450-456.	3.4	4

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55	Inferring causal relationships between phenotypes using summary statistics from genome-wide association studies. <i>Human Genetics</i> , 2018, 137, 247-255.	3.8	8
56	Joint study of two genome-wide association meta-analyses identified 20p12.1 and 20q13.33 for bone mineral density. <i>Bone</i> , 2018, 110, 378-385.	2.9	22
57	Genome-wide association study of lncRNA polymorphisms with bone mineral density. <i>Annals of Human Genetics</i> , 2018, 82, 244-253.	0.8	10
58	Identification of Novel Potentially Pleiotropic Variants Associated With Osteoporosis and Obesity Using the cFDR Method. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 125-138.	3.6	39
59	PLZF inhibits proliferation and metastasis of gallbladder cancer by regulating IFIT2. <i>Cell Death and Disease</i> , 2018, 9, 71.	6.3	36
60	Assessing the Associations of Blood Metabolites With Osteoporosis: A Mendelian Randomization Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 1850-1855.	3.6	19
61	Assessing the genetic correlations between early growth parameters and bone mineral density: A polygenic risk score analysis. <i>Bone</i> , 2018, 116, 301-306.	2.9	9
62	Meta-Analysis of Genome-Wide Association Studies Identifies Novel Functional CpG-SNPs Associated with Bone Mineral Density at Lumbar Spine. <i>International Journal of Genomics</i> , 2018, 2018, 1-11.	1.6	9
63	Metabolomic profiles associated with bone mineral density in US Caucasian women. <i>Nutrition and Metabolism</i> , 2018, 15, 57.	3.0	51
64	A joint analysis of metabolomic profiles associated with muscle mass and strength in Caucasian women. <i>Aging</i> , 2018, 10, 2624-2635.	3.1	18
65	Genomic variants at 20p11 associated with body fat mass in the European population. <i>Obesity</i> , 2017, 25, 757-764.	3.0	10
66	Fat mass and obesity-associated (FTO) protein regulates adult neurogenesis. <i>Human Molecular Genetics</i> , 2017, 26, 2398-2411.	2.9	221
67	Systemic analysis of osteoblast-specific DNA methylation marks reveals novel epigenetic basis of osteoblast differentiation. <i>Bone Reports</i> , 2017, 6, 109-119.	0.4	15
68	A Systems Genetics Approach Identified GPD1L and its Molecular Mechanism for Obesity in Human Adipose Tissue. <i>Scientific Reports</i> , 2017, 7, 1799.	3.3	14
69	Increased detection of genetic loci associated with risk predictors of osteoporotic fracture using a pleiotropic cFDR method. <i>Bone</i> , 2017, 99, 62-68.	2.9	30
70	Multiple analyses indicate the specific association of NR113, C6 and TNN with low hip BMD risk. <i>Journal of Genetics and Genomics</i> , 2017, 44, 327-330.	3.9	2
71	Low-, high-coverage, and two-stage DNA sequencing in the design of the genetic association study. <i>Genetic Epidemiology</i> , 2017, 41, 187-197.	1.3	20
72	Tissue-specific pathway association analysis using genome-wide association study summaries. <i>Bioinformatics</i> , 2017, 33, 243-247.	4.1	21

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73	Impact of diabetes mellitus on the survival of pancreatic cancer: a meta-analysis. <i>OncoTargets and Therapy</i> , 2016, 9, 1679.	2.0	12
74	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
75	A bivariate genome-wide association study identifies ADAM12 as a novel susceptibility gene for Kashin-Beck disease. <i>Scientific Reports</i> , 2016, 6, 31792.	3.3	9
76	Genome-wide association meta-analyses identified 1q43 and 2q32.2 for hip Ward's triangle areal bone mineral density. <i>Bone</i> , 2016, 91, 1-10.	2.9	14
77	Integrating Epigenomic Elements and GWASs Identifies BDNF Gene Affecting Bone Mineral Density and Osteoporotic Fracture Risk. <i>Scientific Reports</i> , 2016, 6, 30558.	3.3	29
78	Genome-wide alteration of 5-hydroxymethylcytosine in a mouse model of Alzheimer's disease. <i>BMC Genomics</i> , 2016, 17, 381.	2.8	48
79	Network-based proteomic analysis for postmenopausal osteoporosis in Caucasian females. <i>Proteomics</i> , 2016, 16, 12-28.	2.2	40
80	PPARGC1B gene is associated with Kashin-Beck disease in Han Chinese. <i>Functional and Integrative Genomics</i> , 2016, 16, 459-463.	3.5	1
81	miR-145 sensitizes gallbladder cancer to cisplatin by regulating multidrug resistance associated protein 1. <i>Tumor Biology</i> , 2016, 37, 10553-10562.	1.8	50
82	Exome sequencing identified FGF12 as a novel candidate gene for Kashin-Beck disease. <i>Functional and Integrative Genomics</i> , 2016, 16, 13-17.	3.5	10
83	Genetic Analysis Identifies DDR2 as a Novel Gene Affecting Bone Mineral Density and Osteoporotic Fractures in Chinese Population. <i>PLoS ONE</i> , 2015, 10, e0117102.	2.5	6
84	SWGDT: A sliding window-based genotype dependence testing tool for genome-wide susceptibility gene scan. <i>Journal of Biomedical Informatics</i> , 2015, 57, 38-41.	4.3	1
85	Identification of a novel <i>FGFRL1</i> MicroRNA target site polymorphism for bone mineral density in meta-analyses of genome-wide association studies. <i>Human Molecular Genetics</i> , 2015, 24, 4710-4727.	2.9	22
86	Genome-wide pathway-based association study implicates complement system in the development of Kashin-Beck disease in Han Chinese. <i>Bone</i> , 2015, 71, 36-41.	2.9	12
87	Replication of 6 Obesity Genes in a Meta-Analysis of Genome-Wide Association Studies from Diverse Ancestries. <i>PLoS ONE</i> , 2014, 9, e96149.	2.5	56
88	Meta-analysis of genome-wide association data identifies novel susceptibility loci for obesity. <i>Human Molecular Genetics</i> , 2014, 23, 820-830.	2.9	73
89	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
90	Trans-omics pathway analysis suggests that eQTLs contribute to chondrocyte apoptosis of Kashin-Beck disease through regulating apoptosis pathway expression. <i>Gene</i> , 2014, 553, 166-169.	2.2	6

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91	Characterization of the DNA methylome and its interindividual variation in human peripheral blood monocytes. <i>Epigenomics</i> , 2013, 5, 255-269.	2.1	19
92	Comprehensive Characterization of Human Genome Variation by High Coverage Whole-Genome Sequencing of Forty Four Caucasians. <i>PLoS ONE</i> , 2013, 8, e59494.	2.5	62
93	Genome-wide association study of copy number variation identified gremlin1 as a candidate gene for lean body mass. <i>Journal of Human Genetics</i> , 2012, 57, 33-37.	2.3	30
94	Bivariate genome-wide association study suggests that the DARC gene influences lean body mass and age at menarche. <i>Science China Life Sciences</i> , 2012, 55, 516-520.	4.9	10
95	Genome-wide Association and Replication Studies Identified TRHR as an Important Gene for Lean Body Mass. <i>American Journal of Human Genetics</i> , 2009, 84, 418-423.	6.2	103
96	A Genomewide Linkage Scan for Quantitative-Trait Loci for Obesity Phenotypes. <i>American Journal of Human Genetics</i> , 2002, 70, 1138-1151.	6.2	151
97	Tests of Linkage and/or Association of Genes for Vitamin D Receptor, Osteocalcin, and Parathyroid Hormone With Bone Mineral Density. <i>Journal of Bone and Mineral Research</i> , 2002, 17, 678-686.	2.8	109
98	Thermotolerance induced by heat shock in <i>Chlorella</i> . <i>Journal of Applied Phycology</i> , 1997, 9, 471-475.	2.8	5