J Brent Richards

List of Publications by Year
in descending order

207 papers	26,895 citations	10986 71 h-index	7950 149 g-index
246 all docs	246 docs citations	246 times ranked	34648 citing authors

#	Article	IF	Citations
1	A reference panel of 64,976 haplotypes for genotype imputation. Nature Genetics, 2016, 48, 1279-1283.	21.4	2,421
2	Common genetic determinants of vitamin D insufficiency: a genome-wide association study. Lancet, The, 2010, 376, 180-188.	13.7	1,385
3	Genome-wide meta-analysis identifies 56 bone mineral density loci and reveals 14 loci associated with risk of fracture. Nature Genetics, 2012, 44, 491-501.	21.4	1,100
4	An atlas of genetic influences on human blood metabolites. Nature Genetics, 2014, 46, 543-550.	21.4	1,084
5	The UK10K project identifies rare variants in health and disease. Nature, 2015, 526, 82-90.	27.8	1,014
6	Strengthening the Reporting of Observational Studies in Epidemiology Using Mendelian Randomization. JAMA - Journal of the American Medical Association, 2021, 326, 1614.	7.4	829
7	Causal Relationship between Obesity and Vitamin D Status: Bi-Directional Mendelian Randomization Analysis of Multiple Cohorts. PLoS Medicine, 2013, 10, e1001383.	8.4	753
8	Twenty bone-mineral-density loci identified by large-scale meta-analysis of genome-wide association studies. Nature Genetics, 2009, 41, 1199-1206.	21.4	660
9	Mapping the human genetic architecture of COVID-19. Nature, 2021, 600, 472-477.	27.8	640
10	Bone mineral density, osteoporosis, and osteoporotic fractures: a genome-wide association study. Lancet, The, 2008, 371, 1505-1512.	13.7	612
11	An atlas of genetic influences on osteoporosis in humans and mice. Nature Genetics, 2019, 51, 258-266.	21.4	557
12	The Association Between Physical Activity in Leisure Time and Leukocyte Telomere Length. Archives of Internal Medicine, 2008, 168, 154.	3.8	485
13	Wholeâ€genome sequencing identifies EN1 as a determinant of bone density and fracture. Nature, 2015, 526, 112-117.	27.8	483
14	Novel Loci for Adiponectin Levels and Their Influence on Type 2 Diabetes and Metabolic Traits: A Multi-Ethnic Meta-Analysis of 45,891 Individuals. PLoS Genetics, 2012, 8, e1002607.	3.5	419
15	Strengthening the reporting of observational studies in epidemiology using mendelian randomisation (STROBE-MR): explanation and elaboration. BMJ, The, 2021, 375, n2233.	6.0	408
16	Identification of 153 new loci associated with heel bone mineral density and functional involvement of GPC6 in osteoporosis. Nature Genetics, 2017, 49, 1468-1475.	21.4	391
17	Vitamin D and Risk of Multiple Sclerosis: A Mendelian Randomization Study. PLoS Medicine, 2015, 12, e1001866.	8.4	380
18	Use of genome-wide association studies for drug repositioning. Nature Biotechnology, 2012, 30, 317-320.	17.5	342

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19	Genetic architecture: the shape of the genetic contribution to human traits and disease. Nature Reviews Genetics, 2018, 19, 110-124.	16.3	335
20	Effect of Selective Serotonin Reuptake Inhibitors on the Risk of Fracture. Archives of Internal Medicine, 2007, 167, 188.	3.8	332
21	Improved imputation of low-frequency and rare variants using the UK10K haplotype reference panel. Nature Communications, 2015, 6, 8111.	12.8	300
22	Genome-wide association study in 79,366 European-ancestry individuals informs the genetic architecture of 25-hydroxyvitamin D levels. Nature Communications, 2018, 9, 260.	12.8	295
23	Genetics of osteoporosis from genome-wide association studies: advances and challenges. Nature Reviews Genetics, 2012, 13, 576-588.	16.3	269
24	Life-Course Genome-wide Association Study Meta-analysis of Total Body BMD and Assessment of Age-Specific Effects. American Journal of Human Genetics, 2018, 102, 88-102.	6.2	252
25	Collaborative Meta-analysis: Associations of 150 Candidate Genes With Osteoporosis and Osteoporotic Fracture. Annals of Internal Medicine, 2009, 151, 528.	3.9	250
26	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. Nature Communications, 2016, 7, 10495.	12.8	245
27	WNT16 Influences Bone Mineral Density, Cortical Bone Thickness, Bone Strength, and Osteoporotic Fracture Risk. PLoS Genetics, 2012, 8, e1002745.	3.5	240
28	Meta-Analysis of Genome-Wide Scans for Human Adult Stature Identifies Novel Loci and Associations with Measures of Skeletal Frame Size. PLoS Genetics, 2009, 5, e1000445.	3.5	237
29	Cohort Profile: The Canadian Longitudinal Study on Aging (CLSA). International Journal of Epidemiology, 2019, 48, 1752-1753j.	1.9	237
30	Genome-Wide Association Study Using Extreme Truncate Selection Identifies Novel Genes Affecting Bone Mineral Density and Fracture Risk. PLoS Genetics, 2011, 7, e1001372.	3.5	233
31	Gene-gene and gene-environment interactions detected by transcriptome sequence analysis in twins. Nature Genetics, 2015, 47, 88-91.	21.4	215
32	Responsible use of polygenic risk scores in the clinic: potential benefits, risks and gaps. Nature Medicine, 2021, 27, 1876-1884.	30.7	214
33	Higher serum vitamin D concentrations are associated with longer leukocyte telomere length in women. American Journal of Clinical Nutrition, 2007, 86, 1420-1425.	4.7	208
34	A Meta-Analysis of Thyroid-Related Traits Reveals Novel Loci and Gender-Specific Differences in the Regulation of Thyroid Function. PLoS Genetics, 2013, 9, e1003266.	3.5	194
35	Serum Adiponectin and Bone Mineral Density in Women. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 1517-1523.	3.6	191
36	An Integration of Genome-Wide Association Study and Gene Expression Profiling to Prioritize the Discovery of Novel Susceptibility Loci for Osteoporosis-Related Traits. PLoS Genetics, 2010, 6, e1000977.	3.5	191

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37	Assessment of the genetic and clinical determinants of fracture risk: genome wide association and mendelian randomisation study. BMJ: British Medical Journal, 2018, 362, k3225.	2.3	190
38	Association of JAG1 with Bone Mineral Density and Osteoporotic Fractures: A Genome-wide Association Study and Follow-up Replication Studies. American Journal of Human Genetics, 2010, 86, 229-239.	6.2	188
39	A Neanderthal OAS1 isoform protects individuals of European ancestry against COVID-19 susceptibility and severity. Nature Medicine, 2021, 27, 659-667.	30.7	188
40	Genetic Evidence for a Normal-Weight â€œMetabolically Obeseâ€•Phenotype Linking Insulin Resistance, Hypertension, Coronary Artery Disease, and Type 2 Diabetes. Diabetes, 2014, 63, 4369-4377.	0.6	185
41	Genome-wide analyses identify a role for SLC17A4 and AADAT in thyroid hormone regulation. Nature Communications, 2018, 9, 4455.	12.8	181
42	The health effects of vitamin D supplementation: evidence from human studies. Nature Reviews Endocrinology, 2022, 18, 96-110.	9.6	181
43	Obesity and Multiple Sclerosis: A Mendelian Randomization Study. PLoS Medicine, 2016, 13, e1002053.	8.4	171
44	Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. Nature Communications, 2016, 7, 10494.	12.8	153
45	Identification of Novel Genetic Loci Associated with Thyroid Peroxidase Antibodies and Clinical Thyroid Disease. PLoS Genetics, 2014, 10, e1004123.	3.5	150
46	Large-scale GWAS identifies multiple loci for hand grip strength providing biological insights into muscular fitness. Nature Communications, 2017, 8, 16015.	12.8	149
47	A Genome-Wide Association Study Reveals Variants in ARL15 that Influence Adiponectin Levels. PLoS Genetics, 2009, 5, e1000768.	3.5	148
48	Clear detection of ADIPOQ locus as the major gene for plasma adiponectin: Results of genome-wide association analyses including 4659 European individuals. Atherosclerosis, 2010, 208, 412-420.	0.8	146
49	Genome-wide Association Study for Vitamin D Levels Reveals 69 Independent Loci. American Journal of Human Genetics, 2020, 106, 327-337.	6.2	144
50	Telomere length in leukocytes correlates with bone mineral density and is shorter in women with osteoporosis. Osteoporosis International, 2007, 18, 1203-1210.	3.1	143
51	Meta-Analysis of Genome-Wide Scans for Total Body BMD in Children and Adults Reveals Allelic Heterogeneity and Age-Specific Effects at the WNT16 Locus. PLoS Genetics, 2012, 8, e1002718.	3.5	142
52	25-Hydroxyvitamin D in Canadian adults: biological, environmental, and behavioral correlates. Osteoporosis International, 2011, 22, 1389-1399.	3.1	138
53	Genetic interactions affecting human gene expression identified by variance association mapping. ELife, 2014, 3, e01381.	6.0	137
54	Male-pattern baldness susceptibility locus at 20p11. Nature Genetics, 2008, 40, 1282-1284.	21.4	118

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55	Common variants in the region around Osterix are associated with bone mineral density and growth in childhood. Human Molecular Genetics, 2009, 18, 1510-1517.	2.9	117
56	Mendelian Randomization Studies Do Not Support a Causal Role for Reduced Circulating Adiponectin Levels in Insulin Resistance and Type 2 Diabetes. Diabetes, 2013, 62, 3589-3598.	0.6	116
57	Low-Frequency Synonymous Coding Variation in CYP2R1 Has Large Effects on Vitamin D Levels and Risk of Multiple Sclerosis. American Journal of Human Genetics, 2017, 101, 227-238.	6.2	112
58	A Mendelian randomization study of the effect of type-2 diabetes on coronary heart disease. Nature Communications, 2015, 6, 7060.	12.8	111
59	Pleiotropic genes for metabolic syndrome and inflammation. Molecular Genetics and Metabolism, 2014, 112, 317-338.	1.1	107
60	Heritability of serum TSH, free T4 and free T3 concentrations: a study of a large UK twin cohort. Clinical Endocrinology, 2008, 68, 652-659.	2.4	98
61	The Empirical Power of Rare Variant Association Methods: Results from Sanger Sequencing in 1,998 Individuals. PLoS Genetics, 2012, 8, e1002496.	3.5	98
62	Mendelian Randomization Studies Do Not Support a Role for Vitamin D in Coronary Artery Disease. Circulation: Cardiovascular Genetics, 2016, 9, 349-356.	5.1	93
63	Six Novel Susceptibility Loci for Early-Onset Androgenetic Alopecia and Their Unexpected Association with Common Diseases. PLoS Genetics, 2012, 8, e1002746.	3.5	92
64	Genetically decreased vitamin D and risk of Alzheimer disease. Neurology, 2016, 87, 2567-2574.	1.1	92
65	Vitamin D and COVID-19 susceptibility and severity in the COVID-19 Host Genetics Initiative: A Mendelian randomization study. PLoS Medicine, 2021, 18, e1003605.	8.4	91
66	Genetic determinants of heel bone properties: genome-wide association meta-analysis and replication in the GEFOS/GENOMOS consortium. Human Molecular Genetics, 2014, 23, 3054-3068.	2.9	90
67	Genome-wide association study with 1000 genomes imputation identifies signals for nine sex hormone-related phenotypes. European Journal of Human Genetics, 2016, 24, 284-290.	2.8	89
68	Meta-analysis of genome-wide studies identifies WNT16 and ESR1 SNPs associated with bone mineral density in premenopausal women. Journal of Bone and Mineral Research, 2013, 28, 547-558.	2.8	87
69	Androgenetic Alopecia: Identification of Four Genetic Risk Loci and Evidence for the Contribution of WNT Signaling to Its Etiology. Journal of Investigative Dermatology, 2013, 133, 1489-1496.	0.7	83
70	Dnmt3a-mutated clonal hematopoiesis promotes osteoporosis. Journal of Experimental Medicine, 2021, 218, .	8.5	81
71	Homocysteine levels and leukocyte telomere length. Atherosclerosis, 2008, 200, 271-277.	0.8	78
72	Vitamin D levels and susceptibility to asthma, elevated immunoglobulin E levels, and atopic dermatitis: A Mendelian randomization study. PLoS Medicine, 2017, 14, e1002294.	8.4	78

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73	A genome-wide association study identifies a novel locus on chromosome 18q12.2 influencing white cell telomere length. Journal of Medical Genetics, 2009, 46, 451-454.	3.2	76
74	Whole-genome sequence-based analysis of thyroid function. Nature Communications, 2015, 6, 5681.	12.8	75
75	Multi-ancestry fine mapping implicates OAS1 splicing in risk of severe COVID-19. Nature Genetics, 2022, 54, 125-127.	21.4	75
76	Somatic point mutations occurring early in development: a monozygotic twin study. Journal of Medical Genetics, 2014, 51, 28-34.	3.2	73
77	Pan-ancestry exome-wide association analyses of COVID-19 outcomes in 586,157 individuals. American Journal of Human Genetics, 2021, 108, 1350-1355.	6.2	72
78	Age-dependent impact of the major common genetic risk factor for COVID-19 on severity and mortality. Journal of Clinical Investigation, 2021, 131, .	8.2	72
79	Genetic Regulation of Vitamin D Levels. Calcified Tissue International, 2013, 92, 106-117.	3.1	71
80	Rare Genetic Variants of Large Effect Influence Risk of Type 1 Diabetes. Diabetes, 2020, 69, 784-795.	0.6	69
81	Blood lipids and prostate cancer: a Mendelian randomization analysis. Cancer Medicine, 2016, 5, 1125-1136.	2.8	68
82	Temporal trends and determinants of longitudinal change in 25-hydroxyvitamin D and parathyroid hormone levels. Journal of Bone and Mineral Research, 2012, 27, 1381-1389.	2.8	66
83	The Causal Effect of Vitamin D Binding Protein (DBP) Levels on Calcemic and Cardiometabolic Diseases: A Mendelian Randomization Study. PLoS Medicine, 2014, 11, e1001751.	8.4	62
84	A rare variant in APOC3 is associated with plasma triglyceride and VLDL levels in Europeans. Nature Communications, 2014, 5, 4871.	12.8	62
85	Performance of Genotype Imputation for Low Frequency and Rare Variants from the 1000 Genomes. PLoS ONE, 2015, 10, e0116487.	2.5	62
86	Imputation of Variants from the 1000 Genomes Project Modestly Improves Known Associations and Can Identify Low-frequency Variant - Phenotype Associations Undetected by HapMap Based Imputation. PLoS ONE, 2013, 8, e64343.	2.5	61
87	The influence of obesity-related factors in the etiology of renal cell carcinomaâ€"A mendelian randomization study. PLoS Medicine, 2019, 16, e1002724.	8.4	59
88	A genome-wide association study suggests that a locus within the ataxin 2 binding protein 1 gene is associated with hand osteoarthritis: the Treat-OA consortium. Journal of Medical Genetics, 2009, 46, 614-616.	3.2	58
89	Meta-analysis identifies novel risk loci and yields systematic insights into the biology of male-pattern baldness. Nature Communications, 2017, 8, 14694.	12.8	58
90	Osteocyte transcriptome mapping identifies a molecular landscape controlling skeletal homeostasis and susceptibility to skeletal disease. Nature Communications, 2021, 12, 2444.	12.8	58

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91	Rare loss-of-function variants in type I IFN immunity genes are not associated with severe COVID-19. Journal of Clinical Investigation, 2021, 131, .	8.2	56
92	Mendelian randomisation applied to drug development in cardiovascular disease: a review. Journal of Medical Genetics, 2015, 52, 71-79.	3.2	52
93	Adjusted Sequence Kernel Association Test for Rare Variants Controlling for Cryptic and Family Relatedness. Genetic Epidemiology, 2013, 37, 366-376.	1.3	50
94	The effect of cyclooxygenase-2 inhibitors on bone mineral density: results from the Canadian Multicentre Osteoporosis Study. Osteoporosis International, 2006, 17, 1410-1419.	3.1	49
95	Epigenome-wide Association of DNA Methylation in Whole Blood With Bone Mineral Density. Journal of Bone and Mineral Research, 2017, 32, 1644-1650.	2.8	49
96	FAM210A is a novel determinant of bone and muscle structure and strength. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3759-E3768.	7.1	49
97	Assessment of gene-by-sex interaction effect on bone mineral density. Journal of Bone and Mineral Research, 2012, 27, 2051-2064.	2.8	47
98	Identification of Novel Loci Associated With Hip Shape: A Meta-Analysis of Genomewide Association Studies. Journal of Bone and Mineral Research, 2019, 34, 241-251.	2.8	47
99	A Locus on Chromosome 1p36 Is Associated with Thyrotropin and Thyroid Function as Identified by Genome-wide Association Study. American Journal of Human Genetics, 2010, 87, 430-435.	6.2	45
100	Development of a polygenic risk score to improve screening for fracture risk: A genetic risk prediction study. PLoS Medicine, 2020, 17, e1003152.	8.4	45
101	Investigating causality in the association between 25(OH)D and schizophrenia. Scientific Reports, 2016, 6, 26496.	3.3	44
102	Genome-wide association study using family-based cohorts identifies the WLS and CCDC170/ESR1 loci as associated with bone mineral density. BMC Genomics, 2016, 17, 136.	2.8	44
103	A Mendelian Randomization Study of the Effect of Type-2 Diabetes and Glycemic Traits on Bone Mineral Density. Journal of Bone and Mineral Research, 2017, 32, 1072-1081.	2.8	44
104	Metabolomic Pathways to Osteoporosis in Middle-Aged Women: A Genome-Metabolome-Wide Mendelian Randomization Study. Journal of Bone and Mineral Research, 2018, 33, 643-650.	2.8	44
105	In Healthy Adults, Biological Activity of Vitamin D, as Assessed by Serum PTH, Is Largely Independent of DBP Concentrations. Journal of Bone and Mineral Research, 2014, 29, 494-499.	2.8	42
106	Vitamin D levels and risk of type 1 diabetes: A Mendelian randomization study. PLoS Medicine, 2021, 18, e1003536.	8.4	42
107	Expression of Phosphofructokinase in Skeletal Muscle Is Influenced by Genetic Variation and Associated With Insulin Sensitivity. Diabetes, 2014, 63, 1154-1165.	0.6	41
108	Changes to Osteoporosis Prevalence According to Method of Risk Assessment. Journal of Bone and Mineral Research, 2006, 22, 228-234.	2.8	40

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109	Effect of Genome-Wide Genotyping and Reference Panels on Rare Variants Imputation. Journal of Genetics and Genomics, 2012, 39, 545-550.	3.9	40
110	Mendelian randomization in multiple sclerosis: A causal role for vitamin D and obesity?. Multiple Sclerosis Journal, 2018, 24, 80-85.	3.0	40
111	The undiagnosed disease burden associated with alpha-1 antitrypsin deficiency genotypes. European Respiratory Journal, 2020, 56, 2001441.	6.7	40
112	Natural history and risk factors for bone loss in postmenopausal Caucasian women: a 15-year follow-up population-based study. Osteoporosis International, 2008, 19, 1211-1217.	3.1	39
113	Individuals with common diseases but with a low polygenic risk score could be prioritized for rare variant screening. Genetics in Medicine, 2021, 23, 508-515.	2.4	39
114	No clear support for a role for vitamin D in Parkinson's disease: A Mendelian randomization study. Movement Disorders, 2017, 32, 1249-1252.	3.9	38
115	Novel genes and sex differences in COVID-19 severity. Human Molecular Genetics, 2022, 31, 3789-3806.	2.9	38
116	A genome-wide copy number association study of osteoporotic fractures points to the 6p25.1 locus. Journal of Medical Genetics, 2014, 51, 122-131.	3.2	36
117	The Use of Genome-Wide eQTL Associations in Lymphoblastoid Cell Lines to Identify Novel Genetic Pathways Involved in Complex Traits. PLoS ONE, 2011, 6, e22070.	2.5	36
118	Improved prediction of fracture risk leveraging a genome-wide polygenic risk score. Genome Medicine, 2021, 13, 16.	8.2	35
119	Whole-exome sequencing identifies rare variants in STAB2 associated with venous thromboembolic disease. Blood, 2020, 136, 533-541.	1.4	34
120	Plasma Adiponectin Concentrations Are Associated with Body Composition and Plant-Based Dietary Factors in Female Twins. Journal of Nutrition, 2009, 139, 353-358.	2.9	33
121	Toward Precision Medicine: TBC1D4 Disruption Is Common Among the Inuit and Leads to Underdiagnosis of Type 2 Diabetes. Diabetes Care, 2016, 39, 1889-1895.	8.6	33
122	Genome-wide association study for radiographic vertebral fractures: A potential role for the 16q24 BMD locus. Bone, 2014, 59, 20-27.	2.9	32
123	A combined reference panel from the 1000â€‰Genomes and UK10K projects improved rare variant imputation in European and Chinese samples. Scientific Reports, 2016, 6, 39313.	3.3	32
124	Genome-wide association study meta-analysis for quantitative ultrasound parameters of bone identifies five novel loci for broadband ultrasound attenuation. Human Molecular Genetics, 2017, 26, 2791-2802.	2.9	32
125	Genetic predisposition to increased serum calcium, bone mineral density, and fracture risk in individuals with normal calcium levels: mendelian randomisation study. BMJ: British Medical Journal, 2019, 366, l4410.	2.3	32
126	Integrated immunovirological profiling validates plasma SARS-CoV-2 RNA as an early predictor of COVID-19 mortality. Science Advances, 2021, 7, eabj5629.	10.3	32

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127	The relative contributions of obesity, vitamin D, leptin, and adiponectin to multiple sclerosis risk: A Mendelian randomization mediation analysis. Multiple Sclerosis Journal, 2021, 27, 1994-2000.	3.0	31
128	Genetic Loci Linked to Pituitary-Thyroid Axis Set Points: A Genome-Wide Scan of a Large Twin Cohort. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 3519-3523.	3.6	30
129	Insights into the genetics of osteoporosis from recent genome-wide association studies. Expert Reviews in Molecular Medicine, 2011, 13, e28.	3.9	30
130	The shared allelic architecture of adiponectin levels and coronary artery disease. Atherosclerosis, 2013, 229, 145-148.	0.8	30
131	Childhood obesity and multiple sclerosis: A Mendelian randomization study. Multiple Sclerosis Journal, 2021, 27, 2150-2158.	3.0	30
132	The Biobanque quÃ©bÃ©coise de la COVID-19 (BQC19)â€"A cohort to prospectively study the clinical and biological determinants of COVID-19 clinical trajectories. PLoS ONE, 2021, 16, e0245031.	2.5	30
133	Depressive symptomatology and fracture risk in community-dwelling older men and women. Aging Clinical and Experimental Research, 2008, 20, 585-592.	2.9	29
134	An obesogenic postnatal environment is more important than the fetal environment for the development of adult adiposity: a study of female twins. American Journal of Clinical Nutrition, 2009, 90, 401-406.	4.7	29
135	An effector index to predict target genes at GWAS loci. Human Genetics, 2022, 141, 1431-1447.	3.8	28
136	Proton pump inhibitors: balancing the benefits and potential fracture risks. Cmaj, 2008, 179, 306-307.	2.0	27
137	Common variants in genes encoding adiponectin (ADIPOQ) and its receptors (ADIPOR1/2), adiponectin concentrations, and diabetes incidence in the Diabetes Prevention Program. Diabetic Medicine, 2012, 29, 1579-1588.	2.3	27
138	Meta-Analysis of Genomewide Association Studies Reveals Genetic Variants for Hip Bone Geometry. Journal of Bone and Mineral Research, 2019, 34, 1284-1296.	2.8	27
139	Genotype imputation and reference panel: a systematic evaluation on haplotype size and diversity. Briefings in Bioinformatics, 2020, 21, 1806-1817.	6.5	27
140	Interleukin-18 as a drug repositioning opportunity for inflammatory bowel disease: A Mendelian randomization study. Scientific Reports, 2019, 9, 9386.	3.3	25
141	Effect of age at puberty on risk of multiple sclerosis. Neurology, 2019, 92, e1803-e1810.	1.1	23
142	Polygenic risk for coronary heart disease acts through atherosclerosis in type 2 diabetes. Cardiovascular Diabetology, 2020, 19, 12.	6.8	23
143	Meta-analysis of genome-wide studies identifiesMEF2CSNPs associated with bone mineral density at forearm. Journal of Medical Genetics, 2013, 50, 473-478.	3.2	22
144	Common, low-frequency, rare, and ultra-rare coding variants contribute to COVID-19 severity. Human Genetics, 2022, 141, 147-173.	3.8	22

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145	Common Sequence Variation in FLNB Regulates Bone Structure in Women in the General Population and FLNB mRNA Expression in Osteoblasts In Vitro. Journal of Bone and Mineral Research, 2009, 24, 1989-1997.	2.8	21
146	A method for analyzing multiple continuous phenotypes in rare variant association studies allowing for flexible correlations in variant effects. European Journal of Human Genetics, 2016, 24, 1344-1351.	2.8	21
147	Sex Differences in the Risk of Coronary Heart Disease Associated With Type 2 Diabetes: A Mendelian Randomization Analysis. Diabetes Care, 2021, 44, 556-562.	8.6	21
148	Polygenic Risk Score for Low-Density Lipoprotein Cholesterol Is Associated With Risk of Ischemic Heart Disease and Enriches for Individuals With Familial Hypercholesterolemia. Circulation Genomic and Precision Medicine, 2021, 14, e003106.	3.6	21
149	Association of rare predicted loss-of-function variants of influenza-related type I IFN genes with critical COVID-19 pneumonia. Reply.. Journal of Clinical Investigation, 2021, 131, .	8.2	20
150	A Polygenic Risk Score to Predict Future Adult Short Stature Among Children. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 1918-1928.	3.6	19
151	RSPO3 is important for trabecular bone and fracture risk in mice and humans. Nature Communications, 2021, 12, 4923.	12.8	19
152	Multiple Regression Methods Show Great Potential for Rare Variant Association Tests. PLoS ONE, 2012, 7, e41694.	2.5	18
153	Clinically Relevant Circulating Protein Biomarkers for Type 1 Diabetes: Evidence From a Two-Sample Mendelian Randomization Study. Diabetes Care, 2022, 45, 169-177.	8.6	18
154	Genetic basis of falling risk susceptibility in the UK Biobank Study. Communications Biology, 2020, 3, 543.	4.4	17
155	Genome-wide association study for radiographic vertebral fractures: a potential role for the 16q24 BMD locus. Bone, 2014, 59, 20-7.	2.9	17
156	Cohort profile: genomic data for 26 622 individuals from the Canadian Longitudinal Study on Aging (CLSA). BMJ Open, 2022, 12, e059021.	1.9	17
157	Relation of Birth Weight, Body Mass Index, and Change in Size from Birth to Adulthood to Insulin Resistance in a Female Twin Cohort. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 516-520.	3.6	15
158	Copy number variation of the APC gene is associated with regulation of bone mineral density. Bone, 2012, 51, 939-943.	2.9	15
159	Constrained instruments and their application to Mendelian randomization with pleiotropy. Genetic Epidemiology, 2019, 43, 373-401.	1.3	15
160	Little evidence for an effect of smoking on multiple sclerosis risk: A Mendelian Randomization study. PLoS Biology, 2020, 18, e3000973.	5.6	14
161	An analysis of which anti-osteoporosis therapeutic regimen would improve compliance in a population of elderly adults. Current Medical Research and Opinion, 2007, 23, 293-299.	1.9	13
162	Genetic Determinants of Antibody-Mediated Immune Responses to Infectious Diseases Agents: A Genome-Wide and HLA Association Study. Open Forum Infectious Diseases, 2020, 7, ofaa450.	0.9	12

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163	Colocalization of Gene Expression and DNA Methylation with Genetic Risk Variants Supports Functional Roles of MUC5B and DSP in Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 1259-1270.	5.6	12
164	Effectiveness of antiresorptives for the prevention of nonvertebral low-trauma fractures in a population-based cohort of women. Osteoporosis International, 2009, 20, 283-290.	3.1	11
165	Empirical power of very rare variants for common traits and disease: results from sanger sequencing 1998 individuals. European Journal of Human Genetics, 2013, 21, 1027-1030.	2.8	11
166	Large differences in adiponectin levels have no clear effect on multiple sclerosis risk: A Mendelian randomization study. Multiple Sclerosis Journal, 2017, 23, 1461-1468.	3.0	11
167	Low vitamin D levels as a risk factor for cancer. BMJ: British Medical Journal, 2017, 359, j4952.	2.3	11
168	Adipokine Effects on Bone. Clinical Reviews in Bone and Mineral Metabolism, 2009, 7, 240-248.	0.8	10
169	Genetic determinants of adiponectin regulation revealed by pregnancy. Obesity, 2017, 25, 935-944.	3.0	10
170	The effect of angiotensin-converting enzyme levels on COVID-19 susceptibility and severity: a Mendelian randomization study. International Journal of Epidemiology, 2021, 50, 75-86.	1.9	10
171	Genetically Decreased Circulating Vascular Endothelial Growth Factor and Osteoporosis Outcomes: A Mendelian Randomization Study. Journal of Bone and Mineral Research, 2020, 35, 649-656.	2.8	9
172	Genetically increased circulating FUT3 level leads to reduced risk of Idiopathic Pulmonary Fibrosis: a Mendelian Randomisation Study. European Respiratory Journal, 2021, , 2003979.	6.7	9
173	Health Effects of Calcium: Evidence From Mendelian Randomization Studies. JBMR Plus, 2021, 5, e10542.	2.7	8
174	An Efficient Paradigm for Genetic Epidemiology Cohort Creation. PLoS ONE, 2010, 5, e14045.	2.5	8
175	Modulators of Fam210a and Roles of Fam210a in the Function of Myoblasts. Calcified Tissue International, 2020, 106, 533-540.	3.1	7
176	Connecting Genomics and Proteomics to Identify Protein Biomarkers for Adult and Youth-Onset Type 2 Diabetes: A Two-Sample Mendelian Randomization Study. Diabetes, 2022, 71, 1324-1337.	0.6	7
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