J Brent Richards

List of Publications by Year in Descending Order

214 papers	17,359 citations	63 h-index	130 g-index
246 ext. papers	22,441 ext. citations	10.6 avg, IF	5.89 L-index

#	Paper	IF	Citations
214	Multi-ancestry fine mapping implicates OAS1 splicing in risk of severe COVID-19.. *Nature Genetics*, **2022**,	36.3	7
213	An effector index to predict target genes at GWAS loci.. *Human Genetics*, **2022**, 1	6.3	0
212	Reply to RThe emerging evidence for non-skeletal health benefits of vitamin D supplementation in adultsR. *Nature Reviews Endocrinology*, **2022**,	15.2	
211	Cohort profile: genomic data for 26 622 individuals from the Canadian Longitudinal Study on Aging (CLSA).. *BMJ Open*, **2022**, 12, e059021	3	1
210	Common, low-frequency, rare, and ultra-rare coding variants contribute to COVID-19 severity. *Human Genetics*, **2021**, 141, 147	6.3	3
209	Responsible use of polygenic risk scores in the clinic: potential benefits, risks and gaps. *Nature Medicine*, **2021**, 27, 1876-1884	50.5	25
208	The health effects of vitamin D supplementation: evidence from human studies. *Nature Reviews Endocrinology*, **2021**,	15.2	30
207	Integrated immunovirological profiling validates plasma SARS-CoV-2 RNA as an early predictor of COVID-19 mortality. *Science Advances*, **2021**, 7, eabj5629	14.3	8
206	Strengthening the reporting of observational studies in epidemiology using mendelian randomisation (STROBE-MR): explanation and elaboration. *BMJ, The*, **2021**, 375, n2233	5.9	24
205	Strengthening the Reporting of Observational Studies in Epidemiology Using Mendelian Randomization: The STROBE-MR Statement. *JAMA - Journal of the American Medical Association*, **2021**, 326, 1614-1621	27.4	32
204	Dnmt3a-mutated clonal hematopoiesis promotes osteoporosis. *Journal of Experimental Medicine*, **2021**, 218,	16.6	9
203	Targeting of vitamin D supplementation to individuals with deficiency. *Lancet Diabetes and Endocrinology,the*, **2021**, 9, 803-804	18.1	0
202	Childhood obesity and multiple sclerosis: A Mendelian randomization study. *Multiple Sclerosis Journal*, **2021**, 27, 2150-2158	5	8
201	A Polygenic Risk Score to Predict Future Adult Short Stature Among Children. *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, 1918-1928	5.6	5
200	Alternative splicing of alters the risk for severe COVID-19 **2021**,		5
199	Age-dependent impact of the major common genetic risk factor for COVID-19 on severity and mortality **2021**,		5
198	Osteocyte transcriptome mapping identifies a molecular landscape controlling skeletal homeostasis and susceptibility to skeletal disease. *Nature Communications*, **2021**, 12, 2444	17.4	12

197	The Biobanque québécoise de la COVID-19 (BQC19)-A cohort to prospectively study the clinical and biological determinants of COVID-19 clinical trajectories. *PLoS ONE*, **2021**, 16, e0245031	3.7	4
196	Vitamin D and COVID-19 susceptibility and severity in the COVID-19 Host Genetics Initiative: A Mendelian randomization study. *PLoS Medicine*, **2021**, 18, e1003605	11.6	32
195	Pan-ancestry exome-wide association analyses of COVID-19 outcomes in 586,157 individuals. *American Journal of Human Genetics*, **2021**, 108, 1350-1355	11	25
194	Rare loss-of-function variants in type I IFN immunity genes are not associated with severe COVID-19. *Journal of Clinical Investigation*, **2021**, 131,	15.9	25
193	Sex Differences in the Risk of Coronary Heart Disease Associated With Type 2 Diabetes: A Mendelian Randomization Analysis. *Diabetes Care*, **2021**, 44, 556-562	14.6	4
192	Mendelian randomization study shows no causal effects of serum urate levels on the risk of MS. *Neurology: Neuroimmunology and NeuroInflammation*, **2021**, 8,	9.1	2
191	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	7.8	4
190	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	8.1	10
189	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	5	4
188	Vitamin D levels and risk of type 1 diabetes: A Mendelian randomization study. *PLoS Medicine*, **2021**, 18, e1003536	11.6	5
187	Improved prediction of fracture risk leveraging a genome-wide polygenic risk score. *Genome Medicine*, **2021**, 13, 16	14.4	7
186	A Neanderthal OAS1 isoform protects individuals of European ancestry against COVID-19 susceptibility and severity. *Nature Medicine*, **2021**, 27, 659-667	50.5	52
185	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	5.2	5
184	Mapping the human genetic architecture of COVID-19. *Nature*, **2021**,	50.4	162
183	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,	15.9	7
182	Health Effects of Calcium: Evidence From Mendelian Randomization Studies. *JBMR Plus*, **2021**, 5, e10542	3.9	0
181	Utility of Genetically Predicted Lp(a) (Lipoprotein [a]) and ApoB Levels for Cardiovascular Risk Assessment. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003312	5.2	2
180	RSPO3 is important for trabecular bone and fracture risk in mice and humans. *Nature Communications*, **2021**, 12, 4923	17.4	3

179	Block coordinate descent algorithm improves variable selection and estimation in error-in-variables regression. *Genetic Epidemiology*, **2021**, 45, 874-890	2.6	0
178	Age-dependent impact of the major common genetic risk factor for COVID-19 on severity and mortality. *Journal of Clinical Investigation*, **2021**, 131,	15.9	15
177	Whole-exome sequencing identifies rare variants in STAB2 associated with venous thromboembolic disease. *Blood*, **2020**, 136, 533-541	2.2	18
176	A Polygenic Risk Score as a Risk Factor for Medication-Associated Fractures. *Journal of Bone and Mineral Research*, **2020**, 35, 1935-1941	6.3	3
175	Development of a polygenic risk score to improve screening for fracture risk: A genetic risk prediction study. *PLoS Medicine*, **2020**, 17, e1003152	11.6	16
174	Genome-wide Association Study for Vitamin D Levels Reveals 69 Independent Loci. *American Journal of Human Genetics*, **2020**, 106, 327-337	11	54
173	Modulators of Fam210a and Roles of Fam210a in the Function of Myoblasts. *Calcified Tissue International*, **2020**, 106, 533-540	3.9	1
172	Polygenic risk for coronary heart disease acts through atherosclerosis in type 2 diabetes. *Cardiovascular Diabetology*, **2020**, 19, 12	8.7	9
171	Little evidence for an effect of smoking on multiple sclerosis risk: A Mendelian Randomization study. *PLoS Biology*, **2020**, 18, e3000973	9.7	6
170	Rare Genetic Variants of Large Effect Influence Risk of Type 1 Diabetes. *Diabetes*, **2020**, 69, 784-795	0.9	14
169	Failure to replicate the association of rare loss-of-function variants in type I IFN immunity genes with severe COVID-19 **2020**,		5
168	Increased Burden of Common Risk Alleles in Children With a Significant Fracture History. *Journal of Bone and Mineral Research*, **2020**, 35, 875-882	6.3	4
167	Genetically Decreased Circulating Vascular Endothelial Growth Factor and Osteoporosis Outcomes: A Mendelian Randomization Study. *Journal of Bone and Mineral Research*, **2020**, 35, 649-656	6.3	5
166	Genetic basis of falling risk susceptibility in the UK Biobank Study. *Communications Biology*, **2020**, 3, 543	6.7	3
165	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	1	1
164	The undiagnosed disease burden associated with alpha-1 antitrypsin deficiency genotypes. *European Respiratory Journal*, **2020**, 56,	13.6	10
163	Utilizing heart rate variability to predict ICU patient outcome in traumatic brain injury. *BMC Bioinformatics*, **2020**, 21, 481	3.6	0
162	Little evidence for an effect of smoking on multiple sclerosis risk: A Mendelian Randomization study **2020**, 18, e3000973		

161	Little evidence for an effect of smoking on multiple sclerosis risk: A Mendelian Randomization study **2020**, 18, e3000973		
160	Little evidence for an effect of smoking on multiple sclerosis risk: A Mendelian Randomization study **2020**, 18, e3000973		
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156	Development of a polygenic risk score to improve screening for fracture risk: A genetic risk prediction study **2020**, 17, e1003152		
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152	Development of a polygenic risk score to improve screening for fracture risk: A genetic risk prediction study **2020**, 17, e1003152		
151	Development of a polygenic risk score to improve screening for fracture risk: A genetic risk prediction study **2020**, 17, e1003152		
150	Commentary: Role of vitamin D in disease through the lens of Mendelian randomization-Evidence from Mendelian randomization challenges the benefits of vitamin D supplementation for disease prevention. *International Journal of Epidemiology*, **2019**, 48, 1435-1437	7.8	5
149	Effect of age at puberty on risk of multiple sclerosis: A mendelian randomization study. *Neurology*, **2019**, 92, e1803-e1810	6.5	13
148	Meta-Analysis of Genomewide Association Studies Reveals Genetic Variants for Hip Bone Geometry. *Journal of Bone and Mineral Research*, **2019**, 34, 1284-1296	6.3	16
147	AuthorsRreply to Sugiyama. *BMJ, The*, **2019**, 364, l115	5.9	1
146	Interleukin-18 as a drug repositioning opportunity for inflammatory bowel disease: A Mendelian randomization study. *Scientific Reports*, **2019**, 9, 9386	4.9	11
145	Cohort Profile: The Canadian Longitudinal Study on Aging (CLSA). *International Journal of Epidemiology*, **2019**, 48, 1752-1753j	7.8	76
144	Genotype imputation and reference panel: a systematic evaluation on haplotype size and diversity. *Briefings in Bioinformatics*, **2019**,	13.4	12

143	Genetic predisposition to increased serum calcium, bone mineral density, and fracture risk in individuals with normal calcium levels: mendelian randomisation study. *BMJ, The*, **2019**, 366, l4410	5.9	23
142	An atlas of genetic influences on osteoporosis in humans and mice. *Nature Genetics*, **2019**, 51, 258-266	36.3	270
141	The influence of obesity-related factors in the etiology of renal cell carcinoma-A mendelian randomization study. *PLoS Medicine*, **2019**, 16, e1002724	11.6	38
140	Constrained instruments and their application to Mendelian randomization with pleiotropy. *Genetic Epidemiology*, **2019**, 43, 373-401	2.6	11
139	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	6.3	32
138	Vitamin D deficiency is an etiological factor for MS - Yes. *Multiple Sclerosis Journal*, **2019**, 25, 637-639	5	1
137	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	11.5	23
136	Heritable contributions versus genetic architecture. *Nature Reviews Genetics*, **2018**, 19, 185	30.1	1
135	Genome-wide association study in 79,366 European-ancestry individuals informs the genetic architecture of 25-hydroxyvitamin D levels. *Nature Communications*, **2018**, 9, 260	17.4	174
134	Exome-wide rare variant analyses of two bone mineral density phenotypes: the challenges of analyzing rare genetic variation. *Scientific Reports*, **2018**, 8, 220	4.9	1
133	Mendelian randomization in multiple sclerosis: A causal role for vitamin D and obesity?. *Multiple Sclerosis Journal*, **2018**, 24, 80-85	5	28
132	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	11	119
131	Genetic architecture: the shape of the genetic contribution to human traits and disease. *Nature Reviews Genetics*, **2018**, 19, 110-124	30.1	219
130	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	6.3	26
129	Genome-wide analyses identify a role for SLC17A4 and AADAT in thyroid hormone regulation. *Nature Communications*, **2018**, 9, 4455	17.4	75
128	Assessment of the genetic and clinical determinants of fracture risk: genome wide association and mendelian randomisation study. *BMJ, The*, **2018**, 362, k3225	5.9	114
127	Meta-analysis identifies novel risk loci and yields systematic insights into the biology of male-pattern baldness. *Nature Communications*, **2017**, 8, 14694	17.4	36
126	Epigenome-wide Association of DNA Methylation in Whole Blood With Bone Mineral Density. *Journal of Bone and Mineral Research*, **2017**, 32, 1644-1650	6.3	33

125	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	5.6	20
124	Large differences in adiponectin levels have no clear effect on multiple sclerosis risk: A Mendelian randomization study. *Multiple Sclerosis Journal*, **2017**, 23, 1461-1468	5	6
123	No clear support for a role for vitamin D in Parkinson's disease: A Mendelian randomization study. *Movement Disorders*, **2017**, 32, 1249-1252	7	28
122	Genetic determinants of adiponectin regulation revealed by pregnancy. *Obesity*, **2017**, 25, 935-944	8	6
121	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	6.3	31
120	Vitamin D levels and susceptibility to asthma, elevated immunoglobulin E levels, and atopic dermatitis: A Mendelian randomization study. *PLoS Medicine*, **2017**, 14, e1002294	11.6	47
119	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	11	76
118	Large-scale GWAS identifies multiple loci for hand grip strength providing biological insights into muscular fitness. *Nature Communications*, **2017**, 8, 16015	17.4	80
117	Identification of 153 new loci associated with heel bone mineral density and functional involvement of GPC6 in osteoporosis. *Nature Genetics*, **2017**, 49, 1468-1475	36.3	235
116	Genome-wide association study with 1000 genomes imputation identifies signals for nine sex hormone-related phenotypes. *European Journal of Human Genetics*, **2016**, 24, 284-90	5.3	61
115	Mendelian Randomization Studies Do Not Support a Role for Vitamin D in Coronary Artery Disease. *Circulation: Cardiovascular Genetics*, **2016**, 9, 349-56		63
114	Toward Precision Medicine: TBC1D4 Disruption Is Common Among the Inuit and Leads to Underdiagnosis of Type 2 Diabetes. *Diabetes Care*, **2016**, 39, 1889-1895	14.6	22
113	A reference panel of 64,976 haplotypes for genotype imputation. *Nature Genetics*, **2016**, 48, 1279-83	36.3	1447
112	Vitamin D: Ten Beliefs. *Journal of General Internal Medicine*, **2016**, 31, 1276	4	
111	Investigating causality in the association between 25(OH)D and schizophrenia. *Scientific Reports*, **2016**, 6, 26496	4.9	29
110	Genetically decreased vitamin D and risk of Alzheimer disease. *Neurology*, **2016**, 87, 2567-2574	6.5	64
109	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, 1344-51	5.3	17
108	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	4.5	28

107	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. *Nature Communications*, **2016**, 7, 10495	17.4	180
106	Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. *Nature Communications*, **2016**, 7, 10494	17.4	107
105	Obesity and Multiple Sclerosis: A Mendelian Randomization Study. *PLoS Medicine*, **2016**, 13, e1002053	11.6	115
104	A combined reference panel from the 1000 Genomes and UK10K projects improved rare variant imputation in European and Chinese samples. *Scientific Reports*, **2016**, 6, 39313	4.9	17
103	Blood lipids and prostate cancer: a Mendelian randomization analysis. *Cancer Medicine*, **2016**, 5, 1125-36	4.8	45
102	Whole-genome sequencing identifies EN1 as a determinant of bone density and fracture. *Nature*, **2015**, 526, 112-7	50.4	308
101	The UK10K project identifies rare variants in health and disease. *Nature*, **2015**, 526, 82-90	50.4	776
100	Improved imputation of low-frequency and rare variants using the UK10K haplotype reference panel. *Nature Communications*, **2015**, 6, 8111	17.4	186
99	Mendelian randomisation applied to drug development in cardiovascular disease: a review. *Journal of Medical Genetics*, **2015**, 52, 71-9	5.8	37
98	Gene-gene and gene-environment interactions detected by transcriptome sequence analysis in twins. *Nature Genetics*, **2015**, 47, 88-91	36.3	140
97	Performance of genotype imputation for low frequency and rare variants from the 1000 genomes. *PLoS ONE*, **2015**, 10, e0116487	3.7	34
96	Whole-genome sequence-based analysis of thyroid function. *Nature Communications*, **2015**, 6, 5681	17.4	56
95	A Mendelian randomization study of the effect of type-2 diabetes on coronary heart disease. *Nature Communications*, **2015**, 6, 7060	17.4	84
94	Vitamin D and Risk of Multiple Sclerosis: A Mendelian Randomization Study. *PLoS Medicine*, **2015**, 12, e1001866	11.6	252
93	An atlas of genetic influences on human blood metabolites. *Nature Genetics*, **2014**, 46, 543-550	36.3	695
92	Somatic point mutations occurring early in development: a monozygotic twin study. *Journal of Medical Genetics*, **2014**, 51, 28-34	5.8	57
91	A rare variant in APOC3 is associated with plasma triglyceride and VLDL levels in Europeans. *Nature Communications*, **2014**, 5, 4871	17.4	46
90	Expression of phosphofructokinase in skeletal muscle is influenced by genetic variation and associated with insulin sensitivity. *Diabetes*, **2014**, 63, 1154-65	0.9	25

89	The causal effect of vitamin D binding protein (DBP) levels on calcemic and cardiometabolic diseases: a Mendelian randomization study. *PLoS Medicine*, **2014**, 11, e1001751	11.6	52
88	A genome-wide copy number association study of osteoporotic fractures points to the 6p25.1 locus. *Journal of Medical Genetics*, **2014**, 51, 122-31	5.8	32
87	Identification of novel genetic Loci associated with thyroid peroxidase antibodies and clinical thyroid disease. *PLoS Genetics*, **2014**, 10, e1004123	6	122
86	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, 494-9	6.3	37
85	Genetic determinants of heel bone properties: genome-wide association meta-analysis and replication in the GEFOS/GENOMOS consortium. *Human Molecular Genetics*, **2014**, 23, 3054-68	5.6	78
84	Genetic evidence for a normal-weight "metabolically obese" phenotype linking insulin resistance, hypertension, coronary artery disease, and type 2 diabetes. *Diabetes*, **2014**, 63, 4369-77	0.9	131
83	Genome-wide association study for radiographic vertebral fractures: A potential role for the 16q24 BMD locus. *Bone*, **2014**, 59, 20-27	4.7	29
82	Pleiotropic genes for metabolic syndrome and inflammation. *Molecular Genetics and Metabolism*, **2014**, 112, 317-38	3.7	81
81	Genome-wide association study for radiographic vertebral fractures: a potential role for the 16q24 BMD locus. *Bone*, **2014**, 59, 20-7	4.7	16
80	Genetic interactions affecting human gene expression identified by variance association mapping. *ELife*, **2014**, 3, e01381	8.9	86
79	The shared allelic architecture of adiponectin levels and coronary artery disease. *Atherosclerosis*, **2013**, 229, 145-8	3.1	25
78	Reply to Rational drug repositioning by medical genetics. *Nature Biotechnology*, **2013**, 31, 1082	44.5	4
77	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, 1489-96	4.3	64
76	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, 547-58	6.3	74
75	Genetic regulation of vitamin D levels. *Calcified Tissue International*, **2013**, 92, 106-17	3.9	58
74	Empirical power of very rare variants for common traits and disease: results from sanger sequencing 1998 individuals. *European Journal of Human Genetics*, **2013**, 21, 1027-30	5.3	11
73	Causal relationship between obesity and vitamin D status: bi-directional Mendelian randomization analysis of multiple cohorts. *PLoS Medicine*, **2013**, 10, e1001383	11.6	592
72	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	6	146

71	An assessment of the shared allelic architecture between type II diabetes and prostate cancer. *Cancer Epidemiology Biomarkers and Prevention*, **2013**, 22, 1473-5	4	5
70	Adjusted sequence kernel association test for rare variants controlling for cryptic and family relatedness. *Genetic Epidemiology*, **2013**, 37, 366-76	2.6	47
69	Meta-analysis of genome-wide studies identifies MEF2C SNPs associated with bone mineral density at forearm. *Journal of Medical Genetics*, **2013**, 50, 473-8	5.8	14
68	Mendelian randomization studies do not support a causal role for reduced circulating adiponectin levels in insulin resistance and type 2 diabetes. *Diabetes*, **2013**, 62, 3589-98	0.9	95
67	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	3.7	42
66	Effect of genome-wide genotyping and reference panels on rare variants imputation. *Journal of Genetics and Genomics*, **2012**, 39, 545-50	4	28
65	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	36.3	866
64	Assessment of gene-by-sex interaction effect on bone mineral density. *Journal of Bone and Mineral Research*, **2012**, 27, 2051-64	6.3	37
63	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, 1579-88	3.5	26
62	Copy number variation of the APC gene is associated with regulation of bone mineral density. *Bone*, **2012**, 51, 939-43	4.7	10
61	Use of genome-wide association studies for drug repositioning. *Nature Biotechnology*, **2012**, 30, 317-20	44.5	275
60	Genetics of osteoporosis from genome-wide association studies: advances and challenges. *Nature Reviews Genetics*, **2012**, 13, 576-88	30.1	216
59	Temporal trends and determinants of longitudinal change in 25-hydroxyvitamin D and parathyroid hormone levels. *Journal of Bone and Mineral Research*, **2012**, 27, 1381-9	6.3	59
58	The empirical power of rare variant association methods: results from sanger sequencing in 1,998 individuals. *PLoS Genetics*, **2012**, 8, e1002496	6	89
57	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	6	326
56	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	6	118
55	WNT16 influences bone mineral density, cortical bone thickness, bone strength, and osteoporotic fracture risk. *PLoS Genetics*, **2012**, 8, e1002745	6	192
54	Six novel susceptibility Loci for early-onset androgenetic alopecia and their unexpected association with common diseases. *PLoS Genetics*, **2012**, 8, e1002746	6	70

53	Multiple regression methods show great potential for rare variant association tests. *PLoS ONE*, **2012**, 7, e41694	3.7	15
52	Insights into the genetics of osteoporosis from recent genome-wide association studies. *Expert Reviews in Molecular Medicine*, **2011**, 13, e28	6.7	25
51	25-Hydroxyvitamin D in Canadian adults: biological, environmental, and behavioral correlates. *Osteoporosis International*, **2011**, 22, 1389-99	5.3	117
50	Genome-wide association study using extreme truncate selection identifies novel genes affecting bone mineral density and fracture risk. *PLoS Genetics*, **2011**, 7, e1001372	6	199
49	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	3.7	35
48	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	6	163
47	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, 412-20	3.1	128
46	Common genetic determinants of vitamin D insufficiency: a genome-wide association study. *Lancet, The*, **2010**, 376, 180-8	40	1183
45	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, 229-39	11	156
44	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, 430-5	11	34
43	An efficient paradigm for genetic epidemiology cohort creation. *PLoS ONE*, **2010**, 5, e14045	3.7	8
42	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, 614-6	5.8	54
41	A genome-wide association study identifies a novel locus on chromosome 18q12.2 influencing white cell telomere length. *Journal of Medical Genetics*, **2009**, 46, 451-4	5.8	69
40	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	6	198
39	A genome-wide association study reveals variants in ARL15 that influence adiponectin levels. *PLoS Genetics*, **2009**, 5, e1000768	6	129
38	Common variants in the region around Osterix are associated with bone mineral density and growth in childhood. *Human Molecular Genetics*, **2009**, 18, 1510-7	5.6	107
37	Plasma adiponectin concentrations are associated with body composition and plant-based dietary factors in female twins. *Journal of Nutrition*, **2009**, 139, 353-8	4.1	21
36	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, 401-6	7	26

35	Adipokine Effects on Bone. *Clinical Reviews in Bone and Mineral Metabolism*, **2009**, 7, 240-248	2.5	7
34	Effectiveness of antiresorptives for the prevention of nonvertebral low-trauma fractures in a population-based cohort of women. *Osteoporosis International*, **2009**, 20, 283-90	5.3	11
33	Twenty bone-mineral-density loci identified by large-scale meta-analysis of genome-wide association studies. *Nature Genetics*, **2009**, 41, 1199-206	36.3	566
32	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, 1989-97	6.3	17
31	Twenty loci associated with bone mineral density identified by large-scale meta-analysis of genome-wide association datasets. *Bone*, **2009**, 44, S230-S231	4.7	4
30	Collaborative meta-analysis: associations of 150 candidate genes with osteoporosis and osteoporotic fracture. *Annals of Internal Medicine*, **2009**, 151, 528-37	8	215
29	Male-pattern baldness susceptibility locus at 20p11. *Nature Genetics*, **2008**, 40, 1282-4	36.3	93
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9	Genotype Imputation and Reference Panel: A Systematic Evaluation		1
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