

Claude Bouchard

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

743 papers	60,873 citations	110 h-index	221 g-index
775 ext. papers	68,406 ext. citations	6.6 avg, IF	7.3 L-index

#	Paper	IF	Citations
743	Gene-educational attainment interactions in a multi-ancestry genome-wide meta-analysis identify novel blood pressure loci. <i>Molecular Psychiatry</i> , 2021 , 26, 2111-2125	15.1	3
742	The power of genetic diversity in genome-wide association studies of lipids. <i>Nature</i> , 2021 ,	50.4	24
741	Whole Genome Sequence Analysis of the Plasma Proteome in Black Adults Provides Novel Insights into Cardiovascular Disease. <i>Circulation</i> , 2021 ,	16.7	4
740	Genomics and transcriptomics landscapes associated to changes in insulin sensitivity in response to endurance exercise training. <i>Scientific Reports</i> , 2021 , 11, 23314	4.9	0
739	The Human Genome, Physical Activity, Fitness, and Health. <i>Kinesiology Review</i> , 2021 , 1-7	2	
738	Genetics of Obesity: What We Have Learned Over Decades of Research. <i>Obesity</i> , 2021 , 29, 802-820	8	13
737	Multi-ancestry genome-wide gene-sleep interactions identify novel loci for blood pressure. <i>Molecular Psychiatry</i> , 2021 ,	15.1	3
736	Human plasma proteomic profiles indicative of cardiorespiratory fitness. <i>Nature Metabolism</i> , 2021 , 3, 786-797	14.6	4
735	HRR and $\dot{V}O_2R$ Fractions Are Not Equivalent: Is It Time to Rethink Aerobic Exercise Prescription Methods?. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 174-182	1.2	7
734	Dietary Mediators of the Genetic Susceptibility to Obesity - Results from the Quebec Family Study. <i>Journal of Nutrition</i> , 2021 ,	4.1	2
733	Regular exercise and patterns of response across multiple cardiometabolic traits: the HERITAGE family study. <i>British Journal of Sports Medicine</i> , 2021 ,	10.3	2
732	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose. <i>PLoS ONE</i> , 2020 , 15, e0230815	3.75	4
731	The biology of human overfeeding: A systematic review. <i>Obesity Reviews</i> , 2020 , 21, e13040	10.6	16
730	Genetics of Energy Expenditure in Humans 2020 , 135-145		1
729	Genetics of Obesity: Family Studies 2020 , 79-92		1
728	Polygenic Risk, Fitness, and Obesity in the Coronary Artery Risk Development in Young Adults (CARDIA) Study. <i>JAMA Cardiology</i> , 2020 , 5, 40-48	16.2	6
727	Association between Mitochondrial DNA Sequence Variants and $\dot{V}O_2$ max Trainability. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 2303-2309	1.2	6

726	9p21.3 Coronary Artery Disease Locus Identifies Patients With Treatment Benefit From Bariatric Surgery in the Nonrandomized Prospective Controlled Swedish Obese Subjects Study. <i>Circulation Genomic and Precision Medicine</i> , 2020 , 13, 460-465	5.2	
725	World-class athletic performance and genetic endowment. <i>Nature Metabolism</i> , 2020 , 2, 796-798	14.6	5
724	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose 2020 , 15, e0230815		
723	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose 2020 , 15, e0230815		
722	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose 2020 , 15, e0230815		
721	Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose 2020 , 15, e0230815		
720	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. <i>American Journal of Epidemiology</i> , 2019 , 188, 1033-1054	3.8	39
719	LDL triglycerides, hepatic lipase activity, and coronary artery disease: An epidemiologic and Mendelian randomization study. <i>Atherosclerosis</i> , 2019 , 282, 37-44	3.1	20
718	Association of Dimethylguanidino Valeric Acid With Partial Resistance to Metabolic Health Benefits of Regular Exercise. <i>JAMA Cardiology</i> , 2019 , 4, 636-643	16.2	19
717	The Effects of Regular Exercise on Circulating Cardiovascular-related MicroRNAs. <i>Scientific Reports</i> , 2019 , 9, 7527	4.9	23
716	Protein intake and the incidence of pre-diabetes and diabetes in 4 population-based studies: the PREVIEW project. <i>American Journal of Clinical Nutrition</i> , 2019 , 109, 1310-1318	7	16
715	Precision exercise medicine: understanding exercise response variability. <i>British Journal of Sports Medicine</i> , 2019 , 53, 1141-1153	10.3	89
714	A multi-ancestry genome-wide study incorporating gene-smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. <i>Human Molecular Genetics</i> , 2019 , 28, 2615-2633	5.6	14
713	Multi-ancestry genome-wide gene-smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. <i>Nature Genetics</i> , 2019 , 51, 636-648	36.3	59
712	Association of skeletal muscle and serum metabolites with maximum power output gains in response to continuous endurance or high-intensity interval training programs: The TIMES study - A randomized controlled trial. <i>PLoS ONE</i> , 2019 , 14, e0212115	3.7	15
711	Genome-wide meta-analysis of macronutrient intake of 91,114 European ancestry participants from the cohorts for heart and aging research in genomic epidemiology consortium. <i>Molecular Psychiatry</i> , 2019 , 24, 1920-1932	15.1	30
710	Associations of autozygosity with a broad range of human phenotypes. <i>Nature Communications</i> , 2019 , 10, 4957	17.4	40
709	Multi-ancestry sleep-by-SNP interaction analysis in 126,926 individuals reveals lipid loci stratified by sleep duration. <i>Nature Communications</i> , 2019 , 10, 5121	17.4	31

708	The Challenge of Stratifying Obesity: Attempts in the Quebec Family Study. <i>Frontiers in Genetics</i> , 2019 , 10, 994	4.5	1
707	Sex and Performance: Nature versus Nurture 2019 , 416-430		1
706	DNA Sequence Variations Contribute to Variability in Fitness and Trainability. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 1781-1785	1.2	13
705	Plasma protein patterns as comprehensive indicators of health. <i>Nature Medicine</i> , 2019 , 25, 1851-1857	50.5	102
704	Exploring the underlying biology of intrinsic cardiorespiratory fitness through integrative analysis of genomic variants and muscle gene expression profiling. <i>Journal of Applied Physiology</i> , 2019 , 126, 1292-1314	2.7	11
703	Plasma steroids, body composition, and fat distribution: effects of age, sex, and exercise training. <i>International Journal of Obesity</i> , 2018 , 42, 1366-1377	5.5	21
702	A Large-Scale Multi-ancestry Genome-wide Study Accounting for Smoking Behavior Identifies Multiple Significant Loci for Blood Pressure. <i>American Journal of Human Genetics</i> , 2018 , 102, 375-400	11	59
701	Adropin: An endocrine link between the biological clock and cholesterol homeostasis. <i>Molecular Metabolism</i> , 2018 , 8, 51-64	8.8	44
700	Effects of regular endurance exercise on GlycA: Combined analysis of 14 exercise interventions. <i>Atherosclerosis</i> , 2018 , 277, 1-6	3.1	7
699	Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. <i>PLoS ONE</i> , 2018 , 13, e0198166	3.7	31
698	Biological/Genetic Regulation of Physical Activity Level: Consensus from GenBioPAC. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 863-873	1.2	48
697	Plasma Steroids are Not Associated with Resting and Exercise Blood Pressure. <i>International Journal of Sports Medicine</i> , 2018 , 39, 967-971	3.6	2
696	The role of eating behavior traits in mediating genetic susceptibility to obesity. <i>American Journal of Clinical Nutrition</i> , 2018 , 108, 445-452	7	25
695	Genomic and transcriptomic predictors of response levels to endurance exercise training. <i>Journal of Physiology</i> , 2017 , 595, 2931-2939	3.9	60
694	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. <i>Nature Communications</i> , 2017 , 8, 14977	17.4	105
693	Neurotensin in the nucleus accumbens reverses dopamine supersensitivity evoked by antipsychotic treatment. <i>Neuropharmacology</i> , 2017 , 123, 10-21	5.5	14
692	Convergence between biological, behavioural and genetic determinants of obesity. <i>Nature Reviews Genetics</i> , 2017 , 18, 731-748	30.1	58
691	The Role of Eif6 in Skeletal Muscle Homeostasis Revealed by Endurance Training Co-expression Networks. <i>Cell Reports</i> , 2017 , 21, 1507-1520	10.6	14

690	Genome-wide physical activity interactions in adiposity - A meta-analysis of 200,452 adults. <i>PLoS Genetics</i> , 2017 , 13, e1006528	6	103
689	Plasma Steroids and Cardiorespiratory Fitness Response to Regular Exercise. <i>Research and Perspectives in Endocrine Interactions</i> , 2017 , 25-42		
688	A principal component meta-analysis on multiple anthropometric traits identifies novel loci for body shape. <i>Nature Communications</i> , 2016 , 7, 13357	17.4	46
687	Meta-analysis identifies common and rare variants influencing blood pressure and overlapping with metabolic trait loci. <i>Nature Genetics</i> , 2016 , 48, 1162-70	36.3	152
686	Genome-wide association studies suggest sex-specific loci associated with abdominal and visceral fat. <i>International Journal of Obesity</i> , 2016 , 40, 662-74	5.5	51
685	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. <i>Nature Communications</i> , 2016 , 7, 10495	17.4	180
684	Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. <i>Nature Communications</i> , 2016 , 7, 10494	17.4	107
683	Athlome Project Consortium: a concerted effort to discover genomic and other "omic" markers of athletic performance. <i>Physiological Genomics</i> , 2016 , 48, 183-90	3.6	67
682	Association of Fitness in Young Adulthood With Survival and Cardiovascular Risk: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. <i>JAMA Internal Medicine</i> , 2016 , 176, 87-95	11.5	86
681	No Evidence of a Common DNA Variant Profile Specific to World Class Endurance Athletes. <i>PLoS ONE</i> , 2016 , 11, e0147330	3.7	74
680	An Empirical Comparison of Joint and Stratified Frameworks for Studying G x E Interactions: Systolic Blood Pressure and Smoking in the CHARGE Gene-Lifestyle Interactions Working Group. <i>Genetic Epidemiology</i> , 2016 , 40, 404-15	2.6	15
679	Advances in Exercise, Fitness, and Performance Genomics in 2015. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 1906-16	1.2	36
678	Relevance of omental pericellular adipose tissue collagen in the pathophysiology of human abdominal obesity and related cardiometabolic risk. <i>International Journal of Obesity</i> , 2016 , 40, 1823-1831	5.5	18
677	Biological interpretation of genome-wide association studies using predicted gene functions. <i>Nature Communications</i> , 2015 , 6, 5890	17.4	489
676	C3 Polymorphism Influences Circulating Levels of C3, ASP and Lipids in Schizophrenic Patients. <i>Neurochemical Research</i> , 2015 , 40, 906-14	4.6	8
675	Directional dominance on stature and cognition in diverse human populations. <i>Nature</i> , 2015 , 523, 459-463	30.4	119
674	Interaction between Common Genetic Variants and Total Fat Intake on Low-Density Lipoprotein Peak Particle Diameter: A Genome-Wide Association Study. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2015 , 8, 44-53		14
673	Fitness change effects on midlife metabolic outcomes. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 967-73	1.2	6

672	Advances in exercise, fitness, and performance genomics in 2014. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 1105-12	1.2	25
671	Workplace standing time and the incidence of obesity and type 2 diabetes: a longitudinal study in adults. <i>BMC Public Health</i> , 2015 , 15, 111	4.1	15
670	Are there genetic paths common to obesity, cardiovascular disease outcomes, and cardiovascular risk factors?. <i>Circulation Research</i> , 2015 , 116, 909-22	15.7	75
669	Cardiorespiratory fitness and brain volume and white matter integrity: The CARDIA Study. <i>Neurology</i> , 2015 , 84, 2347-53	6.5	38
668	Genomic and transcriptomic predictors of triglyceride response to regular exercise. <i>British Journal of Sports Medicine</i> , 2015 , 49, 1524-31	10.3	8
667	Less Sitting, More Physical Activity, or Higher Fitness?. <i>Mayo Clinic Proceedings</i> , 2015 , 90, 1533-40	6.4	164
666	Exercise genomics--a paradigm shift is needed: a commentary. <i>British Journal of Sports Medicine</i> , 2015 , 49, 1492-6	10.3	40
665	Adaptation to Acute and Regular Exercise: From Reductionist Approaches to Integrative Biology. <i>Progress in Molecular Biology and Translational Science</i> , 2015 , 135, 1-15	4	6
664	The effects of exercise on the lipoprotein subclass profile: A meta-analysis of 10 interventions. <i>Atherosclerosis</i> , 2015 , 243, 364-72	3.1	50
663	Novel loci associated with usual sleep duration: the CHARGE Consortium Genome-Wide Association Study. <i>Molecular Psychiatry</i> , 2015 , 20, 1232-9	15.1	76
662	Physical inactivity and low fitness deserve more attention to alter cancer risk and prognosis. <i>Cancer Prevention Research</i> , 2015 , 8, 105-10	3.2	47
661	Personalized preventive medicine: genetics and the response to regular exercise in preventive interventions. <i>Progress in Cardiovascular Diseases</i> , 2015 , 57, 337-46	8.5	47
660	Estimating genetic effect sizes under joint disease-endophenotype models in presence of gene-environment interactions. <i>Frontiers in Genetics</i> , 2015 , 6, 248	4.5	4
659	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. <i>PLoS Genetics</i> , 2015 , 11, e1005378	6	220
658	Understanding the Cellular and Molecular Mechanisms of Physical Activity-Induced Health Benefits. <i>Cell Metabolism</i> , 2015 , 22, 4-11	24.6	238
657	Direct-to-consumer genetic testing for predicting sports performance and talent identification: Consensus statement. <i>British Journal of Sports Medicine</i> , 2015 , 49, 1486-91	10.3	81
656	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , 2015 , 518, 187-196	50.4	920
655	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , 2015 , 518, 197-206	50.4	2687

654	Findings from the Quebec Family Study on the Etiology of Obesity: Genetics and Environmental Highlights. <i>Current Obesity Reports</i> , 2014 , 3, 54-66	8.4	59
653	β-Aminoisobutyric acid induces browning of white fat and hepatic β-oxidation and is inversely correlated with cardiometabolic risk factors. <i>Cell Metabolism</i> , 2014 , 19, 96-108	24.6	369
652	Association of bariatric surgery with long-term remission of type 2 diabetes and with microvascular and macrovascular complications. <i>JAMA - Journal of the American Medical Association</i> , 2014 , 311, 2297-3004	27.4	652
651	Gene-age interactions in blood pressure regulation: a large-scale investigation with the CHARGE, Global BPgen, and ICBP Consortia. <i>American Journal of Human Genetics</i> , 2014 , 95, 24-38	11	80
650	Effects of long-term averaging of quantitative blood pressure traits on the detection of genetic associations. <i>American Journal of Human Genetics</i> , 2014 , 95, 49-65	11	52
649	An evolving scientific basis for the prevention and treatment of pediatric obesity. <i>International Journal of Obesity</i> , 2014 , 38, 887-905	5.5	73
648	Defining the role of common variation in the genomic and biological architecture of adult human height. <i>Nature Genetics</i> , 2014 , 46, 1173-86	36.3	1339
647	Predictors of body composition and body energy changes in response to chronic overfeeding. <i>International Journal of Obesity</i> , 2014 , 38, 236-42	5.5	21
646	Dynamic model predicting overweight, obesity, and extreme obesity prevalence trends. <i>Obesity</i> , 2014 , 22, 590-7	8	40
645	Replication of 6 obesity genes in a meta-analysis of genome-wide association studies from diverse ancestries. <i>PLoS ONE</i> , 2014 , 9, e96149	3.7	45
644	Testosterone, sex hormone-binding globulin and the metabolic syndrome in men: an individual participant data meta-analysis of observational studies. <i>PLoS ONE</i> , 2014 , 9, e100409	3.7	131
643	Effect of dietary adherence on the body weight plateau: a mathematical model incorporating intermittent compliance with energy intake prescription. <i>American Journal of Clinical Nutrition</i> , 2014 , 100, 787-95	7	38
642	Commonality versus specificity among adiposity traits in normal-weight and moderately overweight adults. <i>International Journal of Obesity</i> , 2014 , 38, 719-23	5.5	5
641	Where is the beef? Waist circumference is more highly correlated with BMI and total body fat than with abdominal visceral fat in children. <i>International Journal of Obesity</i> , 2014 , 38, 753-4	5.5	29
640	Cardiorespiratory fitness and cognitive function in middle age: the CARDIA study. <i>Neurology</i> , 2014 , 82, 1339-46	6.5	66
639	Polygenic type 2 diabetes prediction at the limit of common variant detection. <i>Diabetes</i> , 2014 , 63, 2172-82	29	96
638	Change in sleep duration and visceral fat accumulation over 6 years in adults. <i>Obesity</i> , 2014 , 22, E9-12	8	38
637	FTO genetic variants, dietary intake and body mass index: insights from 177,330 individuals. <i>Human Molecular Genetics</i> , 2014 , 23, 6961-72	5.6	120

636	Cross-sectional associations of acylation stimulating protein (ASP) and adipose tissue gene expression with estradiol and progesterone in pre- and postmenopausal women. <i>Clinical Endocrinology</i> , 2014 , 81, 736-45	3.4	8
635	An empirical comparison of meta-analysis and mega-analysis of individual participant data for identifying gene-environment interactions. <i>Genetic Epidemiology</i> , 2014 , 38, 369-78	2.6	36
634	Advances in exercise, fitness, and performance genomics in 2013. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 851-9	1.2	20
633	Competing targets of microRNA-608 affect anxiety and hypertension. <i>Human Molecular Genetics</i> , 2014 , 23, 4569-80	5.6	79
632	Can a weight loss of one pound a week be achieved with a 3500-kcal deficit? Commentary on a commonly accepted rule. <i>International Journal of Obesity</i> , 2013 , 37, 1611-3	5.5	43
631	Short sleep duration as a risk factor for the development of the metabolic syndrome in adults. <i>Preventive Medicine</i> , 2013 , 57, 872-7	4.3	68
630	The importance of waist circumference and BMI for mortality risk in diabetic adults. <i>Diabetes Care</i> , 2013 , 36, 3128-30	14.6	31
629	Measured maximal heart rates compared to commonly used age-based prediction equations in the Heritage Family Study. <i>American Journal of Human Biology</i> , 2013 , 25, 695-701	2.7	30
628	Identification of heart rate-associated loci and their effects on cardiac conduction and rhythm disorders. <i>Nature Genetics</i> , 2013 , 45, 621-31	36.3	219
627	Integrative pathway analysis of a genome-wide association study of (V)O ₂ max response to exercise training. <i>Journal of Applied Physiology</i> , 2013 , 115, 1343-59	3.7	38
626	The challenging chase for nutrigenetic predictors of metabolic responses to dietary interventions. <i>Diabetes Care</i> , 2013 , 36, 3379-81	14.6	1
625	Clinical utility of visceral adipose tissue for the identification of cardiometabolic risk in white and African American adults. <i>American Journal of Clinical Nutrition</i> , 2013 , 97, 480-6	7	56
624	Molecular networks of human muscle adaptation to exercise and age. <i>PLoS Genetics</i> , 2013 , 9, e1003389	6	123
623	A variant in the LRRFIP1 gene is associated with adiposity and inflammation. <i>Obesity</i> , 2013 , 21, 185-92	8	21
622	Anthropometric markers of obesity and mortality in white and African American adults: the pennington center longitudinal study. <i>Obesity</i> , 2013 , 21, 1070-5	8	23
621	Clinical utility and reproducibility of visceral adipose tissue measurements derived from dual-energy X-ray absorptiometry in White and African American adults. <i>Obesity</i> , 2013 , 21, 2221-4	8	36
620	Parental eating behavior traits are related to offspring BMI in the Québec Family Study. <i>International Journal of Obesity</i> , 2013 , 37, 1422-6	5.5	10
619	Response to Why is the 3500 kcal per pound weight loss rule wrong? <i>International Journal of Obesity</i> , 2013 , 37, 1614-5	5.5	4

618	Advances in exercise, fitness, and performance genomics in 2012. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 824-31	1.2	44
617	BMI-specific waist circumference thresholds to discriminate elevated cardiometabolic risk in White and African American adults. <i>Obesity Facts</i> , 2013 , 6, 317-24	5.1	9
616	Sedentary behaviour, visceral fat accumulation and cardiometabolic risk in adults: a 6-year longitudinal study from the Quebec Family Study. <i>PLoS ONE</i> , 2013 , 8, e54225	3.7	23
615	Seven to eight hours of sleep a night is associated with a lower prevalence of the metabolic syndrome and reduced overall cardiometabolic risk in adults. <i>PLoS ONE</i> , 2013 , 8, e72832	3.7	35
614	Opposite modulation of brain stimulation reward by NMDA and AMPA receptors in the ventral tegmental area. <i>Frontiers in Systems Neuroscience</i> , 2013 , 7, 57	3.5	7
613	Association between olfactory receptor genes, eating behavior traits and adiposity: results from the Quebec Family Study. <i>Physiology and Behavior</i> , 2012 , 105, 772-6	3.5	34
612	Why do individuals not lose more weight from an exercise intervention at a defined dose? An energy balance analysis. <i>Obesity Reviews</i> , 2012 , 13, 835-47	10.6	165
611	Gene-exercise interactions. <i>Progress in Molecular Biology and Translational Science</i> , 2012 , 108, 447-60	4	13
610	Short sleep duration is associated with greater alcohol consumption in adults. <i>Appetite</i> , 2012 , 59, 650-5	4.5	51
609	Fundamentals of nutrigenetics and nutrigenomics. <i>Progress in Molecular Biology and Translational Science</i> , 2012 , 108, 1-15	4	29
608	Genomic predictors of trainability. <i>Experimental Physiology</i> , 2012 , 97, 347-52	2.4	99
607	Longer sleep duration associates with lower adiposity gain in adult short sleepers. <i>International Journal of Obesity</i> , 2012 , 36, 752-6	5.5	64
606	Anthropometric correlates of total body fat, abdominal adiposity, and cardiovascular disease risk factors in a biracial sample of men and women. <i>Mayo Clinic Proceedings</i> , 2012 , 87, 452-60	6.4	79
605	Adverse metabolic response to regular exercise: is it a rare or common occurrence?. <i>PLoS ONE</i> , 2012 , 7, e37887	3.7	245
604	Changes in uric acid levels following bariatric surgery are not associated with SLC2A9 variants in the Swedish Obese Subjects Study. <i>PLoS ONE</i> , 2012 , 7, e51658	3.7	5
603	A genome-wide approach accounting for body mass index identifies genetic variants influencing fasting glycemic traits and insulin resistance. <i>Nature Genetics</i> , 2012 , 44, 659-69	36.3	615
602	Fine mapping of a QTL on chromosome 13 for submaximal exercise capacity training response: the HERITAGE Family Study. <i>European Journal of Applied Physiology</i> , 2012 , 112, 2969-78	3.4	12
601	Advances in exercise, fitness, and performance genomics in 2011. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 809-17	1.2	48

600	Bariatric surgery and long-term cardiovascular events. <i>JAMA - Journal of the American Medical Association</i> , 2012 , 307, 56-65	27.4	1069
599	Heritability of submaximal exercise heart rate response to exercise training is accounted for by nine SNPs. <i>Journal of Applied Physiology</i> , 2012 , 112, 892-7	3.7	34
598	Past dieting is related to rigid control and disinhibition in adolescents from the QuBec Family Study. <i>British Journal of Nutrition</i> , 2012 , 108, 1976-9	3.6	4
597	Bariatric surgery and prevention of type 2 diabetes in Swedish obese subjects. <i>New England Journal of Medicine</i> , 2012 , 367, 695-704	59.2	567
596	Abdominal obesity and mortality: The Pennington Center Longitudinal Study. <i>Nutrition and Diabetes</i> , 2012 , 2, e42	4.7	44
595	Performance of genotype imputations using data from the 1000 Genomes Project. <i>Human Heredity</i> , 2012 , 73, 18-25	1.1	31
594	Associations of markers in 11 obesity candidate genes with maximal weight loss and weight regain in the SOS bariatric surgery cases. <i>International Journal of Obesity</i> , 2011 , 35, 676-83	5.5	74
593	Investigation of LRP8 gene in 1p31 QTL linked to LDL peak particle diameter in the Quebec family study. <i>Molecular Genetics and Metabolism</i> , 2011 , 102, 448-52	3.7	4
592	Ethnic-specific BMI and waist circumference thresholds. <i>Obesity</i> , 2011 , 19, 1272-8	8	77
591	Interactions between dietary fat intake and FASN genetic variation influence LDL peak particle diameter. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2011 , 4, 137-45		9
590	2011 ,		11
589	Trends over 5 decades in U.S. occupation-related physical activity and their associations with obesity. <i>PLoS ONE</i> , 2011 , 6, e19657	3.7	735
588	The association between short sleep duration and weight gain is dependent on disinhibited eating behavior in adults. <i>Sleep</i> , 2011 , 34, 1291-7	1.1	78
587	Single nucleotide polymorphisms in the myostatin (MSTN) and muscle creatine kinase (CKM) genes are not associated with elite endurance performance. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011 , 21, 841-5	4.6	10
586	The relationship of waist circumference and BMI to visceral, subcutaneous, and total body fat: sex and race differences. <i>Obesity</i> , 2011 , 19, 402-8	8	314
585	Genetic Predictors of Exercise Training Response. <i>Current Cardiovascular Risk Reports</i> , 2011 , 5, 368-372	0.9	2
584	Genomic predictors of the maximal O ₂ uptake response to standardized exercise training programs. <i>Journal of Applied Physiology</i> , 2011 , 110, 1160-70	3.7	275
583	Fat mass modifies the association of fat-free mass with symptom-limited treadmill duration in the Coronary Artery Risk Development in Young Adults (CARDIA) Study. <i>American Journal of Clinical Nutrition</i> , 2011 , 94, 385-91	7	8

582	Abdominal adiposity depots are correlates of adverse cardiometabolic risk factors in Caucasian and African-American adults. <i>Nutrition and Diabetes</i> , 2011 , 1, e2	4.7	10
581	Consistency of fat mass--fat-free mass relationship across ethnicity and sex groups. <i>British Journal of Nutrition</i> , 2011 , 105, 1272-6	3.6	7
580	Association of GWAS-based candidate genes with HDL-cholesterol levels before and after bariatric surgery in the Swedish obese subjects study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, E953-7	5.6	26
579	Contributions of cardiorespiratory fitness and visceral adiposity to six-year changes in cardiometabolic risk markers in apparently healthy men and women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, 1462-8	5.6	33
578	Subclinical atherosclerosis and metabolic risk: role of body mass index and waist circumference. <i>Metabolic Syndrome and Related Disorders</i> , 2011 , 9, 119-25	2.6	4
577	Genomics and genetics in the biology of adaptation to exercise. <i>Comprehensive Physiology</i> , 2011 , 1, 1603-48	7.48	102
576	Overcoming barriers to progress in exercise genomics. <i>Exercise and Sport Sciences Reviews</i> , 2011 , 39, 212-7	6.7	40
575	Insulin resistance, low cardiorespiratory fitness, and increased exercise blood pressure: contribution of abdominal obesity. <i>Hypertension</i> , 2011 , 58, 1036-42	8.5	25
574	Positional identification of variants of Adamts16 linked to inherited hypertension. <i>Human Molecular Genetics</i> , 2011 , 20, 4297-4297	5.6	78
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