Mark A Sarzynski

List of Publications by Year
in descending order

64 papers	10,364 citations	172457 29 h-index	128289 60 g-index
67 all docs	67 docs citations	67 times ranked	19139 citing authors

#	Article	IF	Citations
1	Genetic studies of body mass index yield new insights for obesity biology. Nature, 2015, 518, 197-206.	27.8	3,823
2	Defining the role of common variation in the genomic and biological architecture of adult human height. Nature Genetics, 2014, 46, 1173-1186.	21.4	1,818
3	New genetic loci link adipose and insulin biology to body fat distribution. Nature, 2015, 518, 187-196.	27.8	1,328
4	Genomic predictors of the maximal O₂ uptake response to standardized exercise training programs. Journal of Applied Physiology, 2011, 110, 1160-1170.	2.5	344
5	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. PLoS Genetics, 2015, 11, e1005378.	3.5	331
6	Using molecular classification to predict gains in maximal aerobic capacity following endurance exercise training in humans. Journal of Applied Physiology, 2010, 108, 1487-1496.	2.5	296
7	Adverse Metabolic Response to Regular Exercise: Is It a Rare or Common Occurrence?. PLoS ONE, 2012, 7, e37887.	2.5	294
8	Plasma protein patterns as comprehensive indicators of health. Nature Medicine, 2019, 25, 1851-1857.	30.7	261
9	Precision exercise medicine: understanding exercise response variability. British Journal of Sports Medicine, 2019, 53, 1141-1153.	6.7	162
10	Genome-wide physical activity interactions in adiposity â€• A meta-analysis of 200,452 adults. PLoS Genetics, 2017, 13, e1006528.	3.5	158
11	Association of Fitness in Young Adulthood With Survival and Cardiovascular Risk. JAMA Internal Medicine, 2016, 176, 87.	5.1	115
12	Are There Genetic Paths Common to Obesity, Cardiovascular Disease Outcomes, and Cardiovascular Risk Factors?. Circulation Research, 2015, 116, 909-922.	4.5	106
13	No Evidence of a Common DNA Variant Profile Specific to World Class Endurance Athletes. PLoS ONE, 2016, 11, e0147330.	2.5	96
14	Genomic and transcriptomic predictors of response levels to endurance exercise training. Journal of Physiology, 2017, 595, 2931-2939.	2.9	87
15	Effects of exercise on HDL functionality. Current Opinion in Lipidology, 2019, 30, 16-23.	2.7	76
16	The effects of exercise on the lipoprotein subclass profile: A meta-analysis of 10 interventions. Atherosclerosis, 2015, 243, 364-372.	0.8	72
17	Personalized Preventive Medicine: Genetics and the Response to Regular Exercise in Preventive Interventions. Progress in Cardiovascular Diseases, 2015, 57, 337-346.	3.1	57
18	Advances in Exercise, Fitness, and Performance Genomics in 2011. Medicine and Science in Sports and Exercise, 2012, 44, 809-817.	0.4	55

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19	Advances in Exercise, Fitness, and Performance Genomics in 2015. Medicine and Science in Sports and Exercise, 2016, 48, 1906-1916.	0.4	52
20	Impact of Changes in Cardiorespiratory Fitness on Hypertension, Dyslipidemia and Survival: An Overview of the Epidemiological Evidence. Progress in Cardiovascular Diseases, 2017, 60, 56-66.	3.1	52
21	Advances in Exercise, Fitness, and Performance Genomics in 2012. Medicine and Science in Sports and Exercise, 2013, 45, 824-831.	0.4	50
22	Integrative pathway analysis of a genome-wide association study of V̇O2max response to exercise training. Journal of Applied Physiology, 2013, 115, 1343-1359.	2.5	45
23	The Effects of Regular Exercise on Circulating Cardiovascular-related MicroRNAs. Scientific Reports, 2019, 9, 7527.	3.3	44
24	Effects of Increasing Exercise Intensity and Dose on Multiple Measures of HDL (High-Density) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	2.4	43
25	Disparities in childhood overweight and obesity by income in the United States: an epidemiological examination using three nationally representative datasets. International Journal of Obesity, 2019, 43, 1210-1222.	3.4	39
26	Whole Genome Sequence Analysis of the Plasma Proteome in Black Adults Provides Novel Insights Into Cardiovascular Disease. Circulation, 2022, 145, 357-370.	1.6	39
27	Advances in Exercise, Fitness, and Performance Genomics in 2014. Medicine and Science in Sports and Exercise, 2015, 47, 1105-1112.	0.4	38
28	Heritability of submaximal exercise heart rate response to exercise training is accounted for by nine SNPs. Journal of Applied Physiology, 2012, 112, 892-897.	2.5	37
29	Association of Dimethylguanidino Valeric Acid With Partial Resistance to Metabolic Health Benefits of Regular Exercise. JAMA Cardiology, 2019, 4, 636.	6.1	37
30	Human plasma proteomic profiles indicative of cardiorespiratory fitness. Nature Metabolism, 2021, 3, 786-797.	11.9	36
31	The Impact of Cardiorespiratory Fitness Levels on the Risk of Developing Atherogenic Dyslipidemia. American Journal of Medicine, 2016, 129, 1060-1066.	1.5	30
32	Association of GWAS-Based Candidate Genes with HDL-Cholesterol Levels before and after Bariatric Surgery in the Swedish Obese Subjects Study. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E953-E957.	3.6	29
33	The effect of energy-matched exercise intensity on brain-derived neurotrophic factor and motor learning. Neurobiology of Learning and Memory, 2018, 156, 33-44.	1.9	23
34	Longitudinal Patterns of Cardiorespiratory Fitness Predict the Development of Hypertension Among Men and Women. American Journal of Medicine, 2017, 130, 469-476.e2.	1.5	19
35	Fine mapping of a QTL on chromosome 13 for submaximal exercise capacity training response: the HERITAGE Family Study. European Journal of Applied Physiology, 2012, 112, 2969-2978.	2.5	18
36	Association of Fitness With Incident Dyslipidemias Over 25 Years in the Coronary Artery Risk Development in Young Adults Study. American Journal of Preventive Medicine, 2015, 49, 745-752.	3.0	18

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37	Exploring the underlying biology of intrinsic cardiorespiratory fitness through integrative analysis of genomic variants and muscle gene expression profiling. Journal of Applied Physiology, 2019, 126, 1292-1314.	2.5	18
38	Which US States Pose the Greatest Threats to Military Readiness and Public Health? Public Health Policy Implications for a Cross-sectional Investigation of Cardiorespiratory Fitness, Body Mass Index, and Injuries Among US Army Recruits. Journal of Public Health Management and Practice, 2019, 25, 36-44.	1.4	18
39	HRR and VË™O2R Fractions Are Not Equivalent: Is It Time to Rethink Aerobic Exercise Prescription Methods?. Medicine and Science in Sports and Exercise, 2021, 53, 174-182.	0.4	17
40	Uncovering physiological mechanisms for health disparities in type 2 diabetes. Ethnicity and Disease, 2015, 25, 31-7.	2.3	17
41	Association between Mitochondrial DNA Sequence Variants and VË™O2 max Trainability. Medicine and Science in Sports and Exercise, 2020, 52, 2303-2309.	0.4	16
42	Genomic and transcriptomic predictors of triglyceride response to regular exercise. British Journal of Sports Medicine, 2015, 49, 1524-1531.	6.7	14
43	Effects of regular endurance exercise on GlycA: Combined analysis of 14 exercise interventions. Atherosclerosis, 2018, 277, 1-6.	0.8	12
44	Association of Single-Nucleotide Polymorphisms From 17 Candidate Genes With Baseline Symptom-Limited Exercise Test Duration and Decrease in Duration Over 20 Years. Circulation: Cardiovascular Genetics, 2010, 3, 531-538.	5.1	11
45	World-class athletic performance and genetic endowment. Nature Metabolism, 2020, 2, 796-798.	11.9	10
46	Wheel running improves fastingâ€induced AMPK signaling in skeletal muscle from tumorâ€bearing mice. Physiological Reports, 2021, 9, e14924.	1.7	9
47	Regular exercise and patterns of response across multiple cardiometabolic traits: the HERITAGE family study. British Journal of Sports Medicine, 2022, 56, 95-100.	6.7	8
48	Maternal Prepregnancy Overweight and Offspring Fatness and Blood Pressure: Role of Physical Activity. Pediatric Exercise Science, 2010, 22, 369-378.	1.0	7
49	Efficacy of a telephoneâ€based medical nutrition program on blood lipid and lipoprotein metabolism: Results of Our Healthy Heart. Nutrition and Dietetics, 2018, 75, 73-78.	1.8	7
50	Cardiovascular Health Trajectories and Elevated Câ€Reactive Protein: The CARDIA Study. Journal of the American Heart Association, 2021, 10, e019725.	3.7	7
51	The Association of Cardiorespiratory Fitness and Ideal Cardiovascular Health in the Aerobics Center Longitudinal Study. Journal of Physical Activity and Health, 2019, 16, 968-975.	2.0	6
52	Examination of the Prevalence of Female Athlete Triad Components among Competitive Cheerleaders. International Journal of Environmental Research and Public Health, 2022, 19, 1375.	2.6	6
53	Changes in Uric Acid Levels following Bariatric Surgery Are Not Associated with SLC2A9 Variants in the Swedish Obese Subjects Study. PLoS ONE, 2012, 7, e51658.	2.5	5
54	Investigation of Eating Disorder Risk and Body Image Dissatisfaction among Female Competitive Cheerleaders. International Journal of Environmental Research and Public Health, 2022, 19, 2196.	2.6	5

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55	Genomics and transcriptomics landscapes associated to changes in insulin sensitivity in response to endurance exercise training. Scientific Reports, 2021, 11, 23314.	3.3	3
56	ACE I/D Genotype, Habitual Physical Activity, and Blood Pressure in Children. Pediatric Exercise Science, 2010, 22, 301-313.	1.0	2
57	The Challenging Chase for Nutrigenetic Predictors of Metabolic Responses to Dietary Interventions. Diabetes Care, 2013, 36, 3379-3381.	8.6	1
58	Locus on Chromosome 2q37 Is Associated With Hemodynamic Training Responses: The Heritage Family Study. Medicine and Science in Sports and Exercise, 2010, 42, 799.	0.4	0
59	Change in Cardiorespiratory Fitness and Ideal Cardiovascular Health in the Aerobics Center Longitudinal Study. Medicine and Science in Sports and Exercise, 2017, 49, 787.	0.4	0
60	Discordance Between HDL Cholesterol Versus Particle Concentration And Cardiovascular Risk Factor Profiles In Adults With Type 2 Diabetes. Medicine and Science in Sports and Exercise, 2021, 53, 181-181.	0.4	0
61	Alterations In Glycemic Variability, Vascular Health, And Oxidative Stress Following A 12-Week Aerobic Exercise Intervention. Medicine and Science in Sports and Exercise, 2021, 53, 453-453.	0.4	0
62	2917. Medicine and Science in Sports and Exercise, 2017, 49, 837.	0.4	0
63	The Effect of Exercise Intensity on the Kinematics of Reach Performance and Brain-Derived Neurotrophic Factor. Medicine and Science in Sports and Exercise, 2018, 50, 562.	0.4	0
64	Alterations in Glycemic Variability, Vascular Health, and Oxidative Stress following a 12-Week Aerobic Exercise Intervention-A Pilot Study.. International Journal of Exercise Science, 2021, 14, 1334-1353.	0.5	0