# Using molecular classification to predict gains in maxim endurance exercise training in humans

Journal of Applied Physiology

108, 1487-1496

DOI: 10.1152/japplphysiol.01295.2009

Citation Report

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Chasing Unachievable Outcomes. Quest, 2010, 62, 323-333. | 0.8 | 19 |
| 2 | 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 |
| 3 | Gene expression centroids that link with low intrinsic aerobic exercise capacity and complex disease risk. FASEB Journal, 2010, 24, 4565-4574. | 0.2 | 56 |
| 4 | Does your (genetic) alphabet soup spell â€œrunnerâ€?. Journal of Applied Physiology, 2010, 108, 1452-1453. | 1.2 | 1 |
| 5 | Genomic predictors of the maximal O<sub>2</sub> uptake response to standardized exercise training programs. Journal of Applied Physiology, 2011, 110, 1160-1170. | 1.2 | 344 |
| 6 | Variability in training-induced skeletal muscle adaptation. Journal of Applied Physiology, 2011, 110, 846-853. | 1.2 | 161 |
| 7 | The biological control of voluntary exercise, spontaneous physical activity and daily energy expenditure in relation to obesity: human and rodent perspectives. Journal of Experimental Biology, 2011, 214, 206-229. | 0.8 | 365 |
| 8 | High responders to resistance exercise training demonstrate differential regulation of skeletal muscle microRNA expression. Journal of Applied Physiology, 2011, 110, 309-317. | 1.2 | 292 |
| 9 | Running with regulation. Journal of Applied Physiology, 2011, 110, 13-14. | 1.2 | 0 |
| 10 | MicroRNAs: playing a big role in explaining skeletal muscle adaptation?. Journal of Applied Physiology, 2011, 110, 301-302. | 1.2 | 7 |
| 11 | Commentaries on Viewpoint: The two-hour marathon: Who and when?. Journal of Applied Physiology, 2011, 110, 278-293. | 1.2 | 25 |
| 12 | â€˜Systems biologyâ€™ in human exercise physiology: is it something different from integrative physiology?. Journal of Physiology, 2011, 589, 1031-1036. | 1.3 | 24 |
| 13 | Genes and elite athletes: a roadmap for future research. Journal of Physiology, 2011, 589, 3063-3070. | 1.3 | 96 |
| 14 | What happens if you pose the wrong questions?. Journal of Physiology, 2011, 589, 4799-4801. | 1.3 | 2 |
| 15 | AKT1G205T genotype influences obesity-related metabolic phenotypes and their responses to aerobic exercise training in older Caucasians. Experimental Physiology, 2011, 96, 338-347. | 0.9 | 19 |
| 16 | Genes thatAKTto determine physiological heterogeneity in response to exercise. Experimental Physiology, 2011, 96, 259-260. | 0.9 | 0 |
| 17 | Variability in the magnitude of response of metabolic enzymes reveals patterns of co-ordinated expression following endurance training in women. Experimental Physiology, 2011, 96, 699-707. | 0.9 | 16 |
| 18 | A Synopsis of Exercise Genomics Research and a Vision for its Future Translation into Practice. , 2011, , 231-254. | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | HIF1A P582S gene association with endurance training responses in young women. European Journal of Applied Physiology, 2011, 111, 2339-2347. | 1.2 | 16 |
| 20 | Genetic Predictors of Exercise Training Response. Current Cardiovascular Risk Reports, 2011, 5, 368-372. | 0.8 | 3 |
| 21 | Physical activity, genes, and lifetime predisposition to chronic disease. European Review of Aging and Physical Activity, 2011, 8, 31-36. | 1.3 | 28 |
| 22 | Genomics and Genetics in the Biology of Adaptation to Exercise. , 2011, 1, 1603-1648. | | 140 |
| 23 | Overcoming Barriers to Progress in Exercise Genomics. Exercise and Sport Sciences Reviews, 2011, 39, 212-217. | 1.6 | 49 |
| 24 | A transcriptional map of the impact of endurance exercise training on skeletal muscle phenotype. Journal of Applied Physiology, 2011, 110, 46-59. | 1.2 | 209 |
| 25 | Advances in Exercise, Fitness, and Performance Genomics in 2010. Medicine and Science in Sports and Exercise, 2011, 43, 743-752. | 0.2 | 64 |
| 26 | Exercise tames the wild side of the Myc network: a hypothesis. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E18-E30. | 1.8 | 23 |
| 27 | Advances in Exercise, Fitness, and Performance Genomics in 2011. Medicine and Science in Sports and Exercise, 2012, 44, 809-817. | 0.2 | 55 |
| 29 | Harnessing the potential clinical use of medicinal plants as anti-diabetic agents. Botanics: Targets and Therapy, 0, , 7. | 0.3 | 15 |
| 30 | Personal Genetics â€“ Sports Utility Vehicle?. Recent Patents on DNA & Gene Sequences, 2012, 6, 209-215. | 0.7 | 6 |
| 31 | Geneâ€“Exercise Interactions. Progress in Molecular Biology and Translational Science, 2012, 108, 447-460. | 0.9 | 13 |
| 32 | Effects of habitual physical activity on response to endurance training. Journal of Sports Sciences, 2012, 30, 563-569. | 1.0 | 44 |
| 33 | Timeâ€series transcriptional profiling yields new perspectives on susceptibility to murine osteoarthritis. Arthritis and Rheumatism, 2012, 64, 3256-3266. | 6.7 | 54 |
| 34 | Genomic predictors of trainability. Experimental Physiology, 2012, 97, 347-352. | 0.9 | 127 |
| 35 | Gene expression profiling of porcine skeletal muscle in the early recovery phase following acute physical activity. Experimental Physiology, 2012, 97, 833-848. | 0.9 | 21 |
| 36 | Improved cycling performance with ingestion of hydrolyzed marine protein depends on performance level. Journal of the International Society of Sports Nutrition, 2012, 9, 14. | 1.7 | 15 |
| 37 | Principles of Exercise Physiology: Responses to Acute Exercise and Longâ€term Adaptations to Training. PM and R, 2012, 4, 797-804. | 0.9 | 139 |

| # | Article | IF | Citations |
|---|---|---|---|
| 38 | Walking for depression or depressive symptoms: A systematic review and meta-analysis. Mental Health and Physical Activity, 2012, 5, 66-75. | 0.9 | 168 |
| 39 | Genomics of Pediatric Metabolic Syndrome. , 2012, , 241-266. | | 0 |
| 40 | Adverse Metabolic Response to Regular Exercise: Is It a Rare or Common Occurrence?. PLoS ONE, 2012, 7, e37887. | 1.1 | 294 |
| 41 | Lack of Exercise Is a Major Cause of Chronic Diseases. , 2012, 2, 1143-1211. | | 1,673 |
| 42 | Self-Rated Mental Stress and Exercise Training Response in Healthy Subjects. Frontiers in Physiology, 2012, 3, 51. | 1.3 | 15 |
| 43 | Differences in adaptations to 1 year of aerobic endurance training: individual patterns of nonresponse. Scandinavian Journal of Medicine and Science in Sports, 2012, 22, 113-118. | 1.3 | 98 |
| 44 | Importance of mitochondrial haplotypes and maternal lineage in sprint performance among individuals of West African ancestry. Scandinavian Journal of Medicine and Science in Sports, 2012, 22, 217-223. | 1.3 | 21 |
| 45 | The effects of aging, physical training, and a single bout of exercise on mitochondrial protein expression in human skeletal muscle. Experimental Gerontology, 2012, 47, 417-424. | 1.2 | 81 |
| 46 | Association of muscle-specific creatine kinase (CKMM) gene polymorphism with physical performance of athletes. Human Physiology, 2012, 38, 89-93. | 0.1 | 23 |
| 47 | Effects of mild-exercise training cessation in human skeletal muscle. European Journal of Applied Physiology, 2012, 112, 853-869. | 1.2 | 11 |
| 48 | Resistance to Aerobic Exercise Training Causes Metabolic Dysfunction and Reveals Novel Exercise-Regulated Signaling Networks. Diabetes, 2013, 62, 2717-2727. | 0.3 | 68 |
| 49 | Do Olympic Athletes Train as in the Paleolithic Era?. Sports Medicine, 2013, 43, 909-917. | 3.1 | 34 |
| 50 | Exercise in neuromuscular disease. Muscle and Nerve, 2013, 48, 3-20. | 1.0 | 48 |
| 51 | Combining docking site and phosphosite predictions to find new substrates: Identification of smoothelin-like-2 (SMTNL2) as a c-Jun N-terminal kinase (JNK) substrate. Cellular Signalling, 2013, 25, 2518-2529. | 1.7 | 28 |
| 52 | Exercise is the Real Polypill. Physiology, 2013, 28, 330-358. | 1.6 | 486 |
| 53 | Role of peroxisome proliferator-activated receptor gamma coactivator 1-alpha (PGC-1Î±) in denervation-induced atrophy in aged muscle: facts and hypotheses. Longevity & Healthspan, 2013, 2, 13. | 6.7 | 24 |
| 54 | Effect of aerobic exercise on mitochondrial DNA and aging. Journal of Exercise Science and Fitness, 2013, 11, 1-5. | 0.8 | 9 |
| 55 | Diagnostics of endurance performance on the level of gene expression. Sports Orthopaedics and Traumatology, 2013, 29, 203-213. | 0.1 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 56 | Genomic Signatures of a Global Fitness Index in a Multiâ€Ethnic Cohort of Women. Annals of Human Genetics, 2013, 77, 147-157. | 0.3 | 10 |
| 57 | The SNPs in the human genetic blueprint era. New Biotechnology, 2013, 30, 475-484. | 2.4 | 10 |
| 58 | Young Friesian horses show familial aggregation in fitness response to a 7-week performance test. Veterinary Journal, 2013, 198, 193-199. | 0.6 | 6 |
| 59 | Detrimental impact of socioeconomic status on exercise capacity in adults with congenital heart disease. International Journal of Cardiology, 2013, 165, 80-86. | 0.8 | 17 |
| 60 | Toward Exercise as Personalized Medicine. Sports Medicine, 2013, 43, 157-165. | 3.1 | 107 |
| 61 | A mixed-effects model of the dynamic response of muscle gene transcript expression to endurance exercise. European Journal of Applied Physiology, 2013, 113, 1279-1290. | 1.2 | 12 |
| 62 | Exercise Metabolism and the Molecular Regulation of Skeletal Muscle Adaptation. Cell Metabolism, 2013, 17, 162-184. | 7.2 | 1,502 |
| 63 | Oxygen Consumption and Usage During Physical Exercise: The Balance Between Oxidative Stress and ROS-Dependent Adaptive Signaling. Antioxidants and Redox Signaling, 2013, 18, 1208-1246. | 2.5 | 457 |
| 64 | Pancreatic Î²-cell Function Is a Stronger Predictor of Changes in Glycemic Control After an Aerobic Exercise Intervention Than Insulin Sensitivity. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 4176-4186. | 1.8 | 66 |
| 65 | Body mass index, fitness and physical activity from childhood through adolescence. British Journal of Sports Medicine, 2013, 47, 71-77. | 3.1 | 55 |
| 66 | Integrative pathway analysis of a genome-wide association study of Vİ‡o2max response to exercise training. Journal of Applied Physiology, 2013, 115, 1343-1359. | 1.2 | 45 |
| 67 | Cluster analysis reveals differential transcript profiles associated with resistance training-induced human skeletal muscle hypertrophy. Physiological Genomics, 2013, 45, 499-507. | 1.0 | 91 |
| 68 | MicroRNAs in skeletal muscle and their regulation with exercise, ageing, and disease. Frontiers in Physiology, 2013, 4, 266. | 1.3 | 87 |
| 69 | Molecular Networks of Human Muscle Adaptation to Exercise and Age. PLoS Genetics, 2013, 9, e1003389. | 1.5 | 160 |
| 70 | Physical Activity, Fitness and the Energy Cost of Activities. Advances in Food and Nutrition Research, 2013, 70, 49-101. | 1.5 | 12 |
| 71 | Elevated energy coupling and aerobic capacity improves exercise performance in enduranceâ€trained elderly subjects. Experimental Physiology, 2013, 98, 899-907. | 0.9 | 25 |
| 72 | New records in aerobic power among octogenarian lifelong endurance athletes. Journal of Applied Physiology, 2013, 114, 3-10. | 1.2 | 77 |
| 73 | Genetic Predisposition Scores Associate with Muscular Strength, Size, and Trainability. Medicine and Science in Sports and Exercise, 2013, 45, 1451-1459. | 0.2 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 74 | Physical Activity, Genes for Physical Fitness, and Risk of Coronary Heart Disease. Medicine and Science in Sports and Exercise, 2013, 45, 691-697. | 0.2 | 23 |
| 75 | Selectively bred rat model system for low and high response to exercise training. Physiological Genomics, 2013, 45, 606-614. | 1.0 | 45 |
| 76 | Genetic influence on exercise-induced changes in physical function among mobility-limited older adults. Physiological Genomics, 2014, 46, 149-158. | 1.0 | 29 |
| 77 | Maternal high-fat diet consumption impairs exercise performance in offspring. Journal of Nutritional Science, 2014, 3, e61. | 0.7 | 11 |
| 78 | The effect of increased physical activity on pulmonary diffusing capacity in unfit women. Experimental Physiology, 2014, 99, 562-570. | 0.9 | 12 |
| 79 | An integrative analysis reveals coordinated reprogramming of the epigenome and the transcriptome in human skeletal muscle after training. Epigenetics, 2014, 9, 1557-1569. | 1.3 | 184 |
| 80 | <strong>GENOME-WIDE ASSOCIATION STUDY IDENTIFIES THREE NOVEL GENETIC MARKERS ASSOCIATED WITH ELITE ENDURANCE PERFORMANCE </strong>. Biology of Sport, 2014, 32, 3-9. | 1.7 | 64 |
| 81 | High Responders and Low Responders: Factors Associated with Individual Variation in Response to Standardized Training. Sports Medicine, 2014, 44, 1113-1124. | 3.1 | 266 |
| 82 | Interference between Concurrent Resistance and Endurance Exercise: Molecular Bases and the Role of Individual Training Variables. Sports Medicine, 2014, 44, 743-762. | 3.1 | 224 |
| 83 | Exercise: Putting Action into Our Epigenome. Sports Medicine, 2014, 44, 189-209. | 3.1 | 105 |
| 84 | Can we optimise the exercise training prescription to maximise improvements in mitochondria function and content?. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 1266-1275. | 1.1 | 142 |
| 85 | Total daily activity declines more rapidly with increasing age in older adults. Archives of Gerontology and Geriatrics, 2014, 58, 74-79. | 1.4 | 57 |
| 86 | The Life History of Whole-Organism Performance. Quarterly Review of Biology, 2014, 89, 285-318. | 0.0 | 118 |
| 87 | The human skeletal muscle transcriptome: sex differences, alternative splicing, and tissue homogeneity assessed with RNA sequencing. FASEB Journal, 2014, 28, 4571-4581. | 0.2 | 68 |
| 88 | Exercise Biology and Medicine: Innovative Research to Improve Global Health. Mayo Clinic Proceedings, 2014, 89, 148-153. | 1.4 | 31 |
| 89 | Genetics and sport performance: current challenges and directions to the future. Revista Brasileira De EducaÃ§Ã£o FÃsica E Esporte: RBEFE, 2014, 28, 177-193. | 0.1 | 28 |
| 90 | Exercise Capacity and Response to Training Quantitative Trait Loci in a NZW X 129S1 Intercross and Combined Cross Analysis of Inbred Mouse Strains. PLoS ONE, 2015, 10, e0145741. | 1.1 | 10 |
| 91 | Training-induced gene expression plasticity in cardiac function and neural regulation for ultra-trail runners. , 2015, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 92 | Optimized dietary strategies to protect skeletal muscle mass during periods of unavoidable energy deficit. FASEB Journal, 2015, 29, 1136-1142. | 0.2 | 42 |
| 93 | Exercise: the new premed. British Journal of Anaesthesia, 2015, 114, 186-189. | 1.5 | 11 |
| 94 | Multiplexed separations for biomarker discovery in metabolomics: Elucidating adaptive responses to exercise training. Electrophoresis, 2015, 36, 2226-2236. | 1.3 | 35 |
| 95 | Individual response to exercise training - a statistical perspective. Journal of Applied Physiology, 2015, 118, 1450-1459. | 1.2 | 204 |
| 96 | Exercise and Gene Expression. Progress in Molecular Biology and Translational Science, 2015, 135, 457-469. | 0.9 | 22 |
| 97 | Textbook of Personalized Medicine. , 2015, , . | | 27 |
| 98 | Regulation of Increased Blood Flow (Hyperemia) to Muscles During Exercise: A Hierarchy of Competing Physiological Needs. Physiological Reviews, 2015, 95, 549-601. | 13.1 | 493 |
| 99 | Less pronounced response to exercise in healthy relatives to type 2 diabetic subjects compared with controls. Journal of Applied Physiology, 2015, 119, 953-960. | 1.2 | 13 |
| 100 | Genomic and transcriptomic predictors of triglyceride response to regular exercise. British Journal of Sports Medicine, 2015, 49, 1524-1531. | 3.1 | 14 |
| 101 | A transcriptional signature of â€œexercise resistanceâ€•in skeletal muscle of individuals with type 2 diabetes mellitus. Metabolism: Clinical and Experimental, 2015, 64, 999-1004. | 1.5 | 31 |
| 102 | A novel multi-tissue RNA diagnostic of healthy ageing relates to cognitive health status. Genome Biology, 2015, 16, 185. | 3.8 | 189 |
| 103 | Super DNAgingâ€”New insights into DNA integrity, genome stability and telomeres in the oldest old. Mutation Research - Reviews in Mutation Research, 2015, 766, 48-57. | 2.4 | 33 |
| 104 | Resistance to the Beneficial Effects of Exercise in Type 2 Diabetes: Are Some Individuals Programmed to Fail?. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 43-52. | 1.8 | 87 |
| 105 | PBMCs express a transcriptome signature predictor of oxygen uptake responsiveness to endurance exercise training in men. Physiological Genomics, 2015, 47, 13-23. | 1.0 | 33 |
| 106 | Heterogeneous responses of personalised high intensity interval training on type 2 diabetes mellitus and cardiovascular disease risk in young healthy adults. Clinical Hemorheology and Microcirculation, 2015, 59, 365-377. | 0.9 | 28 |
| 107 | Mitochondrial biogenesis-associated factors underlie the magnitude of response to aerobic endurance training in rats. Pflugers Archiv European Journal of Physiology, 2015, 467, 779-788. | 1.3 | 41 |
| 108 | The Impact of Endurance Training on Human Skeletal Muscle Memory, Global Isoform Expression and Novel Transcripts. PLoS Genetics, 2016, 12, e1006294. | 1.5 | 46 |
| 109 | No Evidence of a Common DNA Variant Profile Specific to World Class Endurance Athletes. PLoS ONE, 2016, 11, e0147330. | 1.1 | 96 |

| # | Article | IF | Citations |
|---|---|---|---|
| 110 | Tradeâ€offs among locomotor performance, reproduction and immunity in lizards. Functional Ecology, 2016, 30, 1665-1674. | 1.7 | 55 |
| 111 | Exercise: the lifelong supplement for healthy ageing and slowing down the onset of frailty. Journal of Physiology, 2016, 594, 1989-1999. | 1.3 | 67 |
| 112 | Kicking Back Cognitive Ageing: Leg Power Predicts Cognitive Ageing after Ten Years in Older Female Twins. Gerontology, 2016, 62, 138-149. | 1.4 | 36 |
| 113 | Pyruvate Dehydrogenase Phosphatase Regulatory Gene Expression Correlates with Exercise Training Insulin Sensitivity Changes. Medicine and Science in Sports and Exercise, 2016, 48, 2387-2397. | 0.2 | 7 |
| 114 | The Relationship Between Deliberate Practice and Performance in Sports. Perspectives on Psychological Science, 2016, 11, 333-350. | 5.2 | 155 |
| 115 | Biomarkers of browning of white adipose tissue and their regulation during exercise- and diet-induced weight loss,. American Journal of Clinical Nutrition, 2016, 104, 557-565. | 2.2 | 50 |
| 116 | Changes in aerobic capacity and glycaemic control in response to reduced-exertion high-intensity interval training (REHIT) are not different between sedentary men and women. Applied Physiology, Nutrition and Metabolism, 2016, 41, 1117-1123. | 0.9 | 46 |
| 117 | Randomized clinical trial of prehabilitation before planned liver resection. British Journal of Surgery, 2016, 103, 504-512. | 0.1 | 242 |
| 118 | Nature versus Nurture in Determining Athletic Ability. Medicine and Sport Science, 2016, 61, 15-28. | 1.4 | 30 |
| 119 | Recent Research in the Genetics of Exercise Training Adaptation. Medicine and Sport Science, 2016, 61, 29-40. | 1.4 | 12 |
| 120 | Exercise Medicine for Osteoarthritis: Research Strategies to Maximize Effectiveness. Arthritis Care and Research, 2016, 68, 288-291. | 1.5 | 9 |
| 121 | Genetic polymorphisms to predict gains in maximal O2 uptake and knee peak torque after a high intensity training program in humans. European Journal of Applied Physiology, 2016, 116, 947-957. | 1.2 | 8 |
| 122 | Exercise-induced skeletal muscle signaling pathways and human athletic performance. Free Radical Biology and Medicine, 2016, 98, 131-143. | 1.3 | 89 |
| 123 | Multilevel functional genomics data integration as a tool for understanding physiology: a network biology perspective. Journal of Applied Physiology, 2016, 120, 297-309. | 1.2 | 10 |
| 124 | AMPK agonist AICAR delays the initial decline in lifetime-apex VÌ‡<scp>o</scp><sub>2 peak</sub>, while voluntary wheel running fails to delay its initial decline in female rats. Physiological Genomics, 2016, 48, 101-115. | 1.0 | 14 |
| 125 | Skeletal Muscle Hypertrophy with Concurrent Exercise Training: Contrary Evidence for an Interference Effect. Sports Medicine, 2016, 46, 1029-1039. | 3.1 | 99 |
| 126 | Exercise and diabetes: relevance and causes for response variability. Endocrine, 2016, 51, 390-401. | 1.1 | 65 |
| 127 | A randomized comparison study regarding the impact of short-duration, high-intensity exercise and traditional exercise on anthropometric and body composition measurement changes in post-menopausal women â€“ A pilot study. Post Reproductive Health, 2016, 22, 14-19. | 0.3 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 128 | Clinical Exercise Testing. , 2016, , 436-457.e6. | | 1 |
| 129 | Genomic and transcriptomic predictors of response levels to endurance exercise training. Journal of Physiology, 2017, 595, 2931-2939. | 1.3 | 87 |
| 130 | Inter-Individual Responses of Maximal Oxygen Uptake to Exercise Training: A Critical Review. Sports Medicine, 2017, 47, 1501-1513. | 3.1 | 70 |
| 131 | Refuting the myth of nonâ€response to exercise training: â€˜nonâ€respondersâ€™ do respond to higher dose of training. Journal of Physiology, 2017, 595, 3377-3387. | 1.3 | 240 |
| 132 | Maternal exercise upregulates mitochondrial gene expression and increases enzyme activity of fetal mouse hearts. Physiological Reports, 2017, 5, e13184. | 0.7 | 25 |
| 133 | Cardiorespiratory Fitness and Risk of Fatty Liver. Medicine and Science in Sports and Exercise, 2017, 49, 1834-1841. | 0.2 | 20 |
| 134 | Exercise in type 2 diabetes: genetic, metabolic and neuromuscular adaptations. A review of the evidence. British Journal of Sports Medicine, 2017, 51, 1533-1538. | 3.1 | 57 |
| 135 | The Limits of Exercise Physiology: From Performance to Health. Cell Metabolism, 2017, 25, 1000-1011. | 7.2 | 113 |
| 136 | Polygenic study of endurance-associated genetic markers ACE I/D, ACTN3 Arg(R)577Ter(X), CKMM A/G NcoI and eNOS Glu(G)298Asp(T) in male Gorkha soldiers. Sports Medicine - Open, 2017, 3, 17. | 1.3 | 2 |
| 137 | Fitness, Fatness, Physical Activity, and Autonomic Function in Midlife. Medicine and Science in Sports and Exercise, 2017, 49, 2459-2468. | 0.2 | 30 |
| 138 | The Role of Eif6 in Skeletal Muscle Homeostasis Revealed by Endurance Training Co-expression Networks. Cell Reports, 2017, 21, 1507-1520. | 2.9 | 22 |
| 139 | Concurrent exercise training: do opposites distract?. Journal of Physiology, 2017, 595, 2883-2896. | 1.3 | 209 |
| 140 | Exercise genetics: seeking clarity from noise. BMJ Open Sport and Exercise Medicine, 2017, 3, e000309. | 1.4 | 9 |
| 141 | Genes to predict VO2max trainability: a systematic review. BMC Genomics, 2017, 18, 831. | 1.2 | 92 |
| 142 | A Practical and Time-Efficient High-Intensity Interval Training Program Modifies Cardio-Metabolic Risk Factors in Adults with Risk Factors for Type II Diabetes. Frontiers in Endocrinology, 2017, 8, 229. | 1.5 | 78 |
| 143 | Can the ability to adapt to exercise be considered a talentâ€”and if so, can we test for it?. Sports Medicine - Open, 2017, 3, 43. | 1.3 | 9 |
| 144 | REGULAÃ‡ÃƒO GÃŠNICA DA VIA AMPK PELO EXERCÃCIO FÃSICO: REVISÃƒO SISTEMÃTICA E ANÃLISE IN SILICO. Revista Brasileira De Medicina Do Esporte, 2017, 23, 328-334. | 0.1 | 3 |
| 145 | A compendium of physical exercise-related human genes: an â€™omic scale analysis. Biology of Sport, 2017, 35, 3-11. | 1.7 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 146 | The gene SMART study: method, study design, and preliminary findings. BMC Genomics, 2017, 18, 821. | 1.2 | 52 |
| 147 | Letter to the editor: A genetic-based algorithm for personalized resistance training. Biology of Sport, 2017, 1, 31-33. | 1.7 | 13 |
| 148 | Clinical physiology and sleep: insights from the European Respiratory Society Congress 2017. Journal of Thoracic Disease, 2017, 9, S1532-S1536. | 0.6 | 0 |
| 149 | Improvements in fitness are not obligatory for exercise training-induced improvements in CV risk factors. Physiological Reports, 2018, 6, e13595. | 0.7 | 9 |
| 150 | Embodied Rilkean sport-specific knowledge. Journal of the Philosophy of Sport, 2018, 45, 128-143. | 0.5 | 3 |
| 151 | Personalized Lifestyle Medicine. , 2018, , 17-26. | | 2 |
| 152 | Health Benefits of Exercise. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a029694. | 2.9 | 300 |
| 153 | Adaptations to Endurance and Strength Training. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a029769. | 2.9 | 178 |
| 154 | Theoretical and Biological Evaluation of the Link between Low Exercise Capacity and Disease Risk. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a029868. | 2.9 | 44 |
| 155 | TTN genotype is associated with fascicle length and marathon running performance. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 400-406. | 1.3 | 14 |
| 156 | Physical activity maintenance and metabolic risk in adolescents. Journal of Public Health, 2018, 40, 493-500. | 1.0 | 16 |
| 157 | Variability in Individual Response to Aerobic Exercise Interventions Among Older Adults. Journal of Aging and Physical Activity, 2018, 26, 655-670. | 0.5 | 24 |
| 158 | Inter-individual responses to sprint interval training, a pilot study investigating interactions with the sirtuin system. Applied Physiology, Nutrition and Metabolism, 2018, 43, 84-93. | 0.9 | 10 |
| 159 | Exercise Response Efficiency: A Novel Way to Enhance Population Health?. Lifestyle Genomics, 2018, 11, 129-135. | 0.6 | 6 |
| 160 | An Analytical Approach to Posture-Dependent Muscle Force and Muscle Activation Patterns. , 2018, 2018, 2068-2071. | | 1 |
| 161 | Inhospital Exercise Training in Children With Cancer: Does It Work for All?. Frontiers in Pediatrics, 2018, 6, 404. | 0.9 | 10 |
| 162 | The magnitude of Yo-Yo test improvements following an aerobic training intervention are associated with total genotype score. PLoS ONE, 2018, 13, e0207597. | 1.1 | 13 |
| 163 | Deciphering V̇O2,max: limits of the genetic approach. Journal of Experimental Biology, 2018, 221, . | 0.8 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 164 | Using a site-specific technical error to establish training responsiveness: a preliminary explorative study. Open Access Journal of Sports Medicine, 2018, Volume 9, 47-53. | 0.6 | 5 |
| 165 | Genetic variants predicting aerobic capacity response to training are also associated with skeletal muscle oxidative capacity in moderate-to-severe COPD. Physiological Genomics, 2018, 50, 688-690. | 1.0 | 6 |
| 166 | Anabolic Heterogeneity Following Resistance Training: A Role for Circadian Rhythm?. Frontiers in Physiology, 2018, 9, 569. | 1.3 | 10 |
| 167 | DEPTOR at the Nexus of Cancer, Metabolism, and Immunity. Physiological Reviews, 2018, 98, 1765-1803. | 13.1 | 64 |
| 168 | Machine Learning on Human Muscle Transcriptomic Data for Biomarker Discovery and Tissue-Specific Drug Target Identification. Frontiers in Genetics, 2018, 9, 242. | 1.1 | 149 |
| 169 | Genetic predisposition score predicts the increases of knee strength and muscle mass after one-year exercise in healthy elderly. Experimental Gerontology, 2018, 111, 17-26. | 1.2 | 16 |
| 170 | P52. Future directions for physical exercise as personalized medicine. Clinical Neurophysiology, 2018, 129, e88. | 0.7 | 6 |
| 171 | Clinical Genomics in Physical Therapy: Where to From Here?. Physical Therapy, 2018, 98, 733-736. | 1.1 | 5 |
| 172 | Does blood lactate predict the chronic adaptive response to training: A comparison of traditional and talk test prescription methods. Applied Physiology, Nutrition and Metabolism, 2019, 44, 179-186. | 0.9 | 17 |
| 173 | Type 2 diabetes mellitus risk and exercise: is resistin involved?. Journal of Sports Medicine and Physical Fitness, 2019, 59, 290-297. | 0.4 | 18 |
| 174 | Exercise-mediated angiogenesis. Current Opinion in Physiology, 2019, 10, 193-201. | 0.9 | 19 |
| 175 | Genes and response to aerobic training. , 2019, , 169-188. | | 2 |
| 176 | Contribution of Chromosome 14 to Exercise Capacity and Training Responses in Mice. Frontiers in Physiology, 2019, 10, 1165. | 1.3 | 0 |
| 177 | Genetic profile of elite endurance athletes. , 2019, , 73-104. | | 6 |
| 178 | â€œQuestion Your Categoriesâ€: the Misunderstood Complexity of Middle-Distance Running Profiles With Implications for Research Methods and Application. Frontiers in Sports and Active Living, 2019, 1, 28. | 0.9 | 18 |
| 179 | Physical Exercise as Personalized Medicine for Dementia Prevention?. Frontiers in Physiology, 2019, 10, 672. | 1.3 | 36 |
| 180 | The Development of a Personalised Training Framework: Implementation of Emerging Technologies for Performance. Journal of Functional Morphology and Kinesiology, 2019, 4, 25. | 1.1 | 14 |
| 181 | Exercise training in women with cardiovascular disease: Differential response and barriers â€“ review and perspective. European Journal of Preventive Cardiology, 2021, 28, 779-790. | 0.8 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 182 | Exercise, Gene Regulation, and Cardiometabolic Disease. , 2019, , 11-22. | | 2 |
| 183 | Exercising to offset muscle mass loss in hemodialysis patients: The disconnect between intention and intervention. Seminars in Dialysis, 2019, 32, 379-385. | 0.7 | 11 |
| 184 | Genetic and epigenetic sex-specific adaptations to endurance exercise. Epigenetics, 2019, 14, 523-535. | 1.3 | 44 |
| 185 | Predictors of response to exercise training in patients with coronary artery disease â€“ a subanalysis of the SAINTEX-CAD study. European Journal of Preventive Cardiology, 2019, 26, 1158-1163. | 0.8 | 26 |
| 186 | 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 â€“ A randomized controlled trial. PLoS ONE, 2019, 14, e0212115. | 1.1 | 31 |
| 187 | Association of EGLN1 gene with high aerobic capacity of Peruvian Quechua at high altitude. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24006-24011. | 3.3 | 41 |
| 188 | Doseâ€“Response Matters! â€“ A Perspective on the Exercise Prescription in Exerciseâ€“Cognition Research. Frontiers in Psychology, 2019, 10, 2338. | 1.1 | 98 |
| 189 | Expression Quantitative Trait Loci in Equine Skeletal Muscle Reveals Heritable Variation in Metabolism and the Training Responsive Transcriptome. Frontiers in Genetics, 2019, 10, 1215. | 1.1 | 11 |
| 190 | Evaluating Individual Level Responses to Exercise for Health Outcomes in Overweight or Obese Adults. Frontiers in Physiology, 2019, 10, 1401. | 1.3 | 8 |
| 191 | Response Heterogeneity With Exercise Training and Physical Activity Interventions Among Persons With Multiple Sclerosis. Neurorehabilitation and Neural Repair, 2019, 33, 3-14. | 1.4 | 23 |
| 192 | A Multi-Center Comparison of O2peak Trainability Between Interval Training and Moderate Intensity Continuous Training. Frontiers in Physiology, 2019, 10, 19. | 1.3 | 75 |
| 193 | Investigating the aetiology of adverse events following HPV vaccination with systems vaccinology. Cellular and Molecular Life Sciences, 2019, 76, 67-87. | 2.4 | 6 |
| 194 | A Phenomenological and Physiological Approach to Embodied Rilkean Sport-Specific Perception. Sport, Ethics and Philosophy, 2020, 14, 62-75. | 0.4 | 1 |
| 195 | Towards a personalised approach in exercise-based cardiovascular rehabilitation: How can translational research help? A â€˜call to actionâ€™ from the Section on Secondary Prevention and Cardiac Rehabilitation of the European Association of Preventive Cardiology. European Journal of Preventive Cardiology, 2020, 27, 1369-1385. | 0.8 | 43 |
| 196 | Genetic Variation in the Response to Exercise Training. , 2020, , 187-196. | | 1 |
| 197 | A Review of the Role of the Gut Microbiome in Personalized Sports Nutrition. Frontiers in Nutrition, 2019, 6, 191. | 1.6 | 76 |
| 198 | Hyperglycaemia is associated with impaired muscle signalling and aerobic adaptation to exercise. Nature Metabolism, 2020, 2, 902-917. | 5.1 | 31 |
| 199 | Efficacy of a Six-Week Dispersed Wingate-Cycle Training Protocol on Peak Aerobic Power, Leg Strength, Insulin Sensitivity, Blood Lipids and Quality of Life in Healthy Adults. International Journal of Environmental Research and Public Health, 2020, 17, 4860. | 1.2 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 200 | Molecular Transducers of Human Skeletal Muscle Remodeling under Different Loading States. Cell Reports, 2020, 32, 107980. | 2.9 | 30 |
| 201 | Articles with impact: insights into 10 years of research with machine learning. Journal of Applied Physiology, 2020, 129, 967-979. | 1.2 | 8 |
| 202 | Response to Three Weeks of Sprint Interval Training Cannot Be Explained by the Exertional Level. Medicina (Lithuania), 2020, 56, 395. | 0.8 | 3 |
| 203 | Developmental Trajectories of Body Mass Index, Waist Circumference, and Aerobic Fitness in Youth: Implications for Physical Activity Guideline Recommendations (CHAMPS Study-DK). Sports Medicine, 2020, 50, 2253-2261. | 3.1 | 5 |
| 204 | Comparative transcriptome analysis of human skeletal muscle in response to cold acclimation and exercise training in human volunteers. BMC Medical Genomics, 2020, 13, 124. | 0.7 | 6 |
| 205 | Intra-individual physiological response of recreational runners to different training mesocycles: a randomized cross-over study. European Journal of Applied Physiology, 2020, 120, 2705-2713. | 1.2 | 9 |
| 206 | Endurance Runners with Intramyocellular Lipid Accumulation and High Insulin Sensitivity Have Enhanced Expression of Genes Related to Lipid Metabolism in Muscle. Journal of Clinical Medicine, 2020, 9, 3951. | 1.0 | 2 |
| 207 | Neurostimulation, doping, and the spirit of sport. Neuroethics, 2021, 14, 141-158. | 1.7 | 12 |
| 208 | Exercise: The ultimate treatment to all ailments?. Clinical Cardiology, 2020, 43, 817-826. | 0.7 | 11 |
| 209 | Molecular Transducers of Physical Activity Consortium (MoTrPAC): Mapping the Dynamic Responses to Exercise. Cell, 2020, 181, 1464-1474. | 13.5 | 147 |
| 210 | Effect of 8-week of dietary micronutrient supplementation on gene expression in elite handball athletes. PLoS ONE, 2020, 15, e0232237. | 1.1 | 7 |
| 211 | Association between lipoprotein lipase gene polymorphisms and cardiovascular disease risk factors in European adolescents: The Healthy Lifestyle in Europe by Nutrition in Adolescence study. Pediatric Diabetes, 2020, 21, 747-757. | 1.2 | 5 |
| 212 | Mapping Robust Genetic Variants Associated with Exercise Responses. International Journal of Sports Medicine, 2021, 42, 3-18. | 0.8 | 13 |
| 213 | Influence of Sprint Duration during Minimal Volume Exercise on Aerobic Capacity and Affect. International Journal of Sports Medicine, 2021, 42, 357-364. | 0.8 | 3 |
| 214 | Heterogeneity and incidence of non-response for changes in cardiorespiratory fitness following time-efficient sprint interval exercise training. Applied Physiology, Nutrition and Metabolism, 2021, 46, 735-742. | 0.9 | 5 |
| 215 | The current and future state of sports genomics. , 2021, , 217-233. | | 0 |
| 216 | Circulating microRNA as predictors for exercise response in heart failure with reduced ejection fraction. European Journal of Preventive Cardiology, 2021, 28, 1673-1681. | 0.8 | 10 |
| 217 | Exercise Training-Induced Extracellular Matrix Protein Adaptation in Locomotor Muscles: A Systematic Review. Cells, 2021, 10, 1022. | 1.8 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 218 | Modified Talk Test: a Randomized Cross-over Trial Investigating the Comparative Utility of Two â€œTalk Testsâ€•for Determining Aerobic Training Zones in Overweight and Obese Patients. Sports Medicine - Open, 2021, 7, 23. | 1.3 | 3 |
| 219 | Human plasma proteomic profiles indicative of cardiorespiratory fitness. Nature Metabolism, 2021, 3, 786-797. | 5.1 | 36 |
| 220 | Personalized, Evidence-Informed Training Plans and Exercise Prescriptions for Performance, Fitness and Health. Sports Medicine, 2021, 51, 1805-1813. | 3.1 | 18 |
| 221 | Causes and Consequences of Interindividual Response Variability: A Call to Apply a More Rigorous Research Design in Acute Exercise-Cognition Studies. Frontiers in Physiology, 2021, 12, 682891. | 1.3 | 16 |
| 222 | Differential weight loss with intermittent fasting or daily calorie restriction in lowâ€•and highâ€fitness phenotypes. Experimental Physiology, 2021, 106, 1731-1742. | 0.9 | 1 |
| 223 | Individual physiological and mitochondrial responses during 12 weeks of intensified exercise. Physiological Reports, 2021, 9, e14962. | 0.7 | 3 |
| 224 | Response to the Comment on â€œThe Impact of Prehabilitation on Patient Outcomes in Hepatobiliary, Colorectal and Upper Gastrointestinal Cancer Surgery: A PRISMA-Accordant Meta-analysisâ€• Annals of Surgery, 2021, 274, e932-e933. | 2.1 | 2 |
| 225 | Indicators of response to exercise training: a systematic review and meta-analysis. BMJ Open, 2021, 11, e044676. | 0.8 | 4 |
| 226 | Human adipose and skeletal muscle tissue DNA, RNA, and protein content. Journal of Applied Physiology, 2021, 131, 1370-1379. | 1.2 | 7 |
| 227 | Exercise and health: historical perspectives and new insights. Journal of Applied Physiology, 2021, 131, 575-588. | 1.2 | 8 |
| 228 | Exercise-induced gene expression changes in skeletal muscle of old mice. Genomics, 2021, 113, 2965-2976. | 1.3 | 6 |
| 229 | The genetics of human performance. Nature Reviews Genetics, 2022, 23, 40-54. | 7.7 | 25 |
| 230 | Neurobiologische Effekte kÃ¶rperlicher AktivitÃt. , 2013, , 21-27. | | 1 |
| 231 | Would Relaxation of the Anti-doping Rule Lead to Red Queen Effects?. Sport, Ethics and Philosophy, 2021, 15, 371-385. | 0.4 | 4 |
| 232 | The Impact of Prehabilitation on Patient Outcomes in Hepatobiliary, Colorectal, and Upper Gastrointestinal Cancer Surgery. Annals of Surgery, 2021, 274, 70-77. | 2.1 | 103 |
| 233 | Recent advances in understanding resistance exercise training-induced skeletal muscle hypertrophy in humans. F1000Research, 2020, 9, 141. | 0.8 | 44 |
| 234 | Effect of chromosome substitution on intrinsic exercise capacity in mice. F1000Research, 2014, 3, 9. | 0.8 | 9 |
| 235 | Effect of chromosome substitution on intrinsic exercise capacity in mice. F1000Research, 2014, 3, 9. | 0.8 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 236 | Time Course Analysis Reveals Gene-Specific Transcript and Protein Kinetics of Adaptation to Short-Term Aerobic Exercise Training in Human Skeletal Muscle. PLoS ONE, 2013, 8, e74098. | 1.1 | 97 |
| 237 | Glycogen Content Regulates Peroxisome Proliferator Activated Receptor-â^, (PPAR-â^,) Activity in Rat Skeletal Muscle. PLoS ONE, 2013, 8, e77200. | 1.1 | 36 |
| 238 | Whole Blood Transcriptomics and Urinary Metabolomics to Define Adaptive Biochemical Pathways of High-Intensity Exercise in 50-60 Year Old Masters Athletes. PLoS ONE, 2014, 9, e92031. | 1.1 | 47 |
| 239 | Inter-Individual Variability in the Adaptive Responses to Endurance and Sprint Interval Training: A Randomized Crossover Study. PLoS ONE, 2016, 11, e0167790. | 1.1 | 127 |
| 240 | Population Muscle Strength Predicts Olympic Medal Tallies: Evidence from 20 Countries in the PURE Prospective Cohort Study. PLoS ONE, 2017, 12, e0169821. | 1.1 | 6 |
| 241 | Understanding Personalized Training Responses: Can Genetic Assessment Help?. The Open Sports Sciences Journal, 2017, 10, 191-213. | 0.2 | 17 |
| 242 | Physical activity, hydration and health. Nutricion Hospitalaria, 2014, 29, 1224-39. | 0.2 | 12 |
| 243 | An optimal exercise protocol for improving endurance performance and health. The Journal of Physical Fitness and Sports Medicine, 2012, 1, 595-604. | 0.2 | 1 |
| 244 | You canâ€™t teach speed: sprinters falsify the deliberate practice model of expertise. PeerJ, 2014, 2, e445. | 0.9 | 15 |
| 245 | Leisure-Time Physical Activity. , 2010, , 4247-4247. | | 6 |
| 246 | Mechanisms activating PGC-1Î± and consequential transcriptional mechanisms following exercise: A mini review. Cellular and Molecular Exercise Physiology, 2012, 1, . | 0.7 | 1 |
| 247 | Association of angiotensin converting enzyme, endothelial nitric oxide synthase and peroxisome proliferator-activated receptor-Î³ gene polymorphisms with indices of cardiorespiratory systems reactions to exercise. Bulletin of Taras Shevchenko National University of Kyiv Series Biology, 2014, 68, 71-75. | 0.1 | 0 |
| 248 | Mitochondrial Biosynthesis Factors of Offspring before and during Maternal Training Exercise in Rat Skeletal Muscle. Exercise Science, 2014, 23, 69-77. | 0.1 | 0 |
| 250 | Neurobiologische Effekte kÃ¶rperlicher AktivitÃt. , 2015, , 207-213. | | 1 |
| 251 | Neurobiologische Effekte kÃ¶rperlicher AktivitÃt. , 2015, , 3-9. | | 0 |
| 256 | Association Between Changes in Serum and Skeletal Muscle Metabolomics Profile With Maximum Power Output Gains in Response to Different Aerobic Training Programs: The Times Study. Frontiers in Physiology, 2021, 12, 756618. | 1.3 | 6 |
| 257 | Differences in intrinsic aerobic capacity alters sensitivity to ischemia-reperfusion injury but not cardioprotective capacity by ischemic preconditioning in rats. PLoS ONE, 2020, 15, e0240866. | 1.1 | 4 |
| 258 | Increased Duration of Exercise Decreases Rate of Nonresponse to Exercise but May Not Decrease Risk for Cancer Mortality. Medicine and Science in Sports and Exercise, 2021, 53, 928-935. | 0.2 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 259 | Impact of Exercise on Gut Microbiota in Obesity. Nutrients, 2021, 13, 3999. | 1.7 | 31 |
| 260 | The genetic case for cardiorespiratory fitness as a clinical vital sign and the routine prescription of physical activity in healthcare. Genome Medicine, 2021, 13, 180. | 3.6 | 16 |
| 261 | Beneficial Effects of Cardiomyopathy-Associated Genetic Variants on Physical Performance: A Hypothesis-Generating Scoping Review. Cardiology, 2022, 147, 90-97. | 0.6 | 2 |
| 262 | Canagliflozin Prevents Hyperglycemia-Associated Muscle Extracellular Matrix Accumulation and Improves the Adaptive Response to Aerobic Exercise. Diabetes, 2022, 71, 881-893. | 0.3 | 7 |
| 263 | Molecular Mechanisms of Exercise and Healthspan. Cells, 2022, 11, 872. | 1.8 | 14 |
| 264 | State of Knowledge on Molecular Adaptations to Exercise in Humans: Historical Perspectives and Future Directions. , 2022, 12, 3193-3279. | | 18 |
| 265 | Genetics and sports performance: the present and future in the identification of talent for sports based on DNA testing. European Journal of Applied Physiology, 2022, 122, 1811-1830. | 1.2 | 26 |
| 276 | Intensity and Duration of Physical Activity and Cardiorespiratory Fitness. Pediatrics, 2022, 150, . | 1.0 | 12 |
| 277 | Stubborn Exercise Respondersâ€“Where to Next?. Sports, 2022, 10, 95. | 0.7 | 4 |
| 278 | Altered mitochondrial microenvironment at the spotlight of musculoskeletal aging and Alzheimerâ€™s disease. Scientific Reports, 2022, 12, . | 1.6 | 10 |
| 279 | TTN Variants Are Associated with Physical Performance and Provide Potential Markers for Sport-Related Phenotypes. International Journal of Environmental Research and Public Health, 2022, 19, 10173. | 1.2 | 1 |
| 280 | Physical fitness level and weight status in children and adolescents: Comparison between students of Surabaya city and Sidoarjo Regency. Jurnal Sportif, 2022, 8, 293-313. | 0.4 | 0 |
| 281 | ECCO Topical Review: Roadmap to Optimal Peri-Operative Care in IBD. Journal of Crohn's and Colitis, 2023, 17, 153-169. | 0.6 | 9 |
| 282 | Aberrant mitochondrial homeostasis at the crossroad of musculoskeletal ageing and non-small cell lung cancer. PLoS ONE, 2022, 17, e0273766. | 1.1 | 4 |
| 283 | Molecular responses to acute exercise and their relevance for adaptations in skeletal muscle to exercise training. Physiological Reviews, 2023, 103, 2057-2170. | 13.1 | 51 |
| 284 | Exercise builds the scaffold of life: muscle extracellular matrix biomarker responses to physical activity, inactivity, and aging. Biological Reviews, 2023, 98, 481-519. | 4.7 | 7 |
| 285 | Transcriptomics for Clinical and Experimental Biology Research: Hang on a Seq. Genetics & Genomics Next, 2023, 4, . | 0.8 | 5 |
| 287 | Main Pathogenic Mechanisms and Recent Advances in COPD Peripheral Skeletal Muscle Wasting. International Journal of Molecular Sciences, 2023, 24, 6454. | 1.8 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 291 | Prevention Strategies of Lower Limb Muscle Injuries. , 2023, , 1-31. | | 0 |