# J Timothy Lightfoot

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 83 papers | 1,939 citations | 257450 24 h-index | 254184 43 g-index |
| 87 all docs | 87 docs citations | 87 times ranked | 2197 citing authors |

| # | Article | IF | Citations |
| --- | --- | --- | --- |
| 1 | Sibling Resemblances in Physical Fitness in Three Distinct Regions in Peru: The Peruvian Sibling Study on Growth and Health. Behavior Genetics, 2022, , 1. | 2.1 | 2 |
| 2 | Systems Exercise Genetics Research Design Standards. Medicine and Science in Sports and Exercise, 2021, 53, 883-887. | 0.4 | 4 |
| 3 | 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 |
| 4 | A Ketogenic Diet In Mice Reduces Cardiac Protein Synthesis Compared to a Western Diet. Current Developments in Nutrition, 2020, 4, nzaa046_015. | 0.3 | 0 |
| 5 | Comparable Organ Protein Fractional Synthesis Rate of High and Low-Active Mice. Current Developments in Nutrition, 2020, 4, nzaa066_005. | 0.3 | 0 |
| 6 | Mitochondrial DNA lesions and copy number are strain dependent in enduranceâ€trained mice. Physiological Reports, 2020, 8, e14605. | 1.7 | 2 |
| 7 | A High Fat/High Sugar Diet Alters the Gastrointestinal Metabolome in a Sex Dependent Manner. Metabolites, 2020, 10, 421. | 2.9 | 4 |
| 8 | Activated whole-body arginine pathway in high-active mice. PLoS ONE, 2020, 15, e0235095. | 2.5 | 1 |
| 9 | Protein fractional synthesis rates within tissues of high- and low-active mice. PLoS ONE, 2020, 15, e0242926. | 2.5 | 6 |
| 10 | Postnatal wheel running mitigates endocrine disruption of mammary gland development in mice. Fundamental Toxicological Sciences, 2020, 7, 189-199. | 0.6 | 0 |
| 11 | Expression Of Tyrosine Hydroxylase In The Nucleus Accumbens Are Not Altered By Diet Or Fecal Transplantation In Male C57bl/6j Mice. Medicine and Science in Sports and Exercise, 2020, 52, 625-625. | 0.4 | 0 |
| 12 | Activated whole-body arginine pathway in high-active mice. , 2020, 15, e0235095. | | 0 |
| 13 | Activated whole-body arginine pathway in high-active mice. , 2020, 15, e0235095. | | 0 |
| 14 | Activated whole-body arginine pathway in high-active mice. , 2020, 15, e0235095. | | 0 |
| 15 | Activated whole-body arginine pathway in high-active mice. , 2020, 15, e0235095. | | 0 |
| 16 | Protein fractional synthesis rates within tissues of high- and low-active mice. , 2020, 15, e0242926. | | 0 |
| 17 | Protein fractional synthesis rates within tissues of high- and low-active mice. , 2020, 15, e0242926. | | 0 |
| 18 | Protein fractional synthesis rates within tissues of high- and low-active mice. , 2020, 15, e0242926. | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Protein fractional synthesis rates within tissues of high- and low-active mice. , 2020, 15, e0242926. | | 0 |
| 20 | Alleles associated with physical activity levels are estimated to be older than anatomically modern humans. PLoS ONE, 2019, 14, e0216155. | 2.5 | 3 |
| 21 | The Physiology of Auto Racing. Medicine and Science in Sports and Exercise, 2019, 51, 2548-2562. | 0.4 | 16 |
| 22 | Association Between Mitochondrial Dna Sequence, Heteroplasmy, And Indels With Response To Aerobic Exercise Training. Medicine and Science in Sports and Exercise, 2019, 51, 574-574. | 0.4 | 0 |
| 23 | Inter-individual variation in adaptations to endurance and resistance exercise training: genetic approaches towards understanding a complex phenotype. Mammalian Genome, 2018, 29, 48-62. | 2.2 | 34 |
| 24 | Biological/Genetic Regulation of Physical Activity Level. Medicine and Science in Sports and Exercise, 2018, 50, 863-873. | 0.4 | 80 |
| 25 | Alleles Associated with Voluntary Physical Activity are Predicted to be Older Than Anatomically Modern Humans. Medicine and Science in Sports and Exercise, 2018, 50, 348. | 0.4 | 0 |
| 26 | Calorie Restriction Promotes Constant Physical Activity Levels Throughout Total Lifetime of Female Mice. Medicine and Science in Sports and Exercise, 2018, 50, 750. | 0.4 | 0 |
| 27 | High Fat High Sugar Diet Reduces Voluntary Wheel Running in Mice Independent of Sex Hormone Involvement. Frontiers in Physiology, 2017, 8, 628. | 2.8 | 25 |
| 28 | Environmental Endocrine Disruptor Affects Voluntary Physical Activity in Mice. Medicine and Science in Sports and Exercise, 2016, 48, 1251-1258. | 0.4 | 9 |
| 29 | The Effect of a High Fat/High Sugar Diet on Physical Activity in Female Mice. Medicine and Science in Sports and Exercise, 2016, 48, 386. | 0.4 | 0 |
| 30 | Effect of High Fat/High Sugar Diet & Physical Activity on Sex Hormone Concentrations. Medicine and Science in Sports and Exercise, 2016, 48, 634. | 0.4 | 0 |
| 31 | Differential miRNA expression in inherently high- and low-active inbred mice. Physiological Reports, 2015, 3, e12469. | 1.7 | 13 |
| 32 | Comparison of Neurocognitive Testing and the Measurement of Marinobufagenin in Mild Traumatic Brain Injury: A Preliminary Report. Journal of Experimental Neuroscience, 2015, 9, JEN.S27921. | 2.3 | 20 |
| 33 | Differential protein expression in the nucleus accumbens of high and low active mice. Behavioural Brain Research, 2015, 291, 283-288. | 2.2 | 12 |
| 34 | Lessons learned from vivo-morpholinos: How to avoid vivo-morpholino toxicity. BioTechniques, 2014, 56, 251-256. | 1.8 | 50 |
| 35 | Differential Gene Expression in High- and Low-Active Inbred Mice. BioMed Research International, 2014, 2014, 1-9. | 1.9 | 11 |
| 36 | Genetics of Regular Exercise and Sedentary Behaviors. Twin Research and Human Genetics, 2014, 17, 262-271. | 0.6 | 61 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Differential skeletal muscle proteome of high- and low-active mice. Journal of Applied Physiology, 2014, 116, 1057-1067. | 2.5 | 17 |
| 38 | Exercise Biology and Medicine: Innovative Research to Improve Global Health. Mayo Clinic Proceedings, 2014, 89, 148-153. | 3.0 | 31 |
| 39 | Why Control Activity? Evolutionary Selection Pressures Affecting the Development of Physical Activity Genetic and Biological Regulation. BioMed Research International, 2013, 2013, 1-10. | 1.9 | 15 |
| 40 | Vivo-Morpholinos Induced Transient Knockdown of Physical Activity Related Proteins. PLoS ONE, 2013, 8, e61472. | 2.5 | 21 |
| 41 | Effects of Aromatase Inhibition on the Physical Activity Levels of Male Mice. Journal of Steroids & Hormonal Science, 2013, 04, 1-7. | 0.1 | 16 |
| 42 | Effects of Supraphysiological Doses of Sex Steroids on Wheel Running Activity in Mice. Journal of Steroids & Hormonal Science, 2012, 03, 110. | 0.1 | 22 |
| 43 | Knockâ€down of Vmat2 in Mouse Right Striatum and Physical Activity. FASEB Journal, 2012, 26, 1151.11. | 0.5 | 0 |
| 44 | The effect of Vivoâ€Morpholino targeting Vmat2 on daily physical activity in mouse soleus compared to scrambledmorpholino control. FASEB Journal, 2012, 26, 716.8. | 0.5 | 0 |
| 45 | Current Understanding of the Genetic Basis for Physical Activity. Journal of Nutrition, 2011, 141, 526-530. | 2.9 | 54 |
| 46 | Sex Hormone Effects on Physical Activity Levels. Sports Medicine, 2011, 41, 73-86. | 6.5 | 41 |
| 47 | Epistatic interactions of genes influence within-individual variation of physical activity traits in mice. Genetica, 2011, 139, 813-821. | 1.1 | 8 |
| 48 | The effect of vivoâ€Morpholinos on Dopamine Receptor 1 (Drd1) and physical activity in mice. FASEB Journal, 2011, 25, 863.1. | 0.5 | 1 |
| 49 | Physical Activity and Food Consumption in High- and Low-Active Inbred Mouse Strains. Medicine and Science in Sports and Exercise, 2010, 42, 1826-1833. | 0.4 | 17 |
| 50 | A search for quantitative trait loci controlling within-individual variation of physical activity traits in mice. BMC Genetics, 2010, 11, 83. | 2.7 | 16 |
| 51 | Does the difference between physically active and couch potato lie in the dopamine system?. International Journal of Biological Sciences, 2010, 6, 133-150. | 6.4 | 120 |
| 52 | Driven to Be Inactive?â€"The Genetics of Physical Activity. Progress in Molecular Biology and Translational Science, 2010, 94, 271-290. | 1.7 | 26 |
| 53 | Strain screen and haplotype association mapping of wheel running in inbred mouse strains. Journal of Applied Physiology, 2010, 109, 623-634. | 2.5 | 79 |
| 54 | Differential Gene Expression in High and Low active Animals.. Medicine and Science in Sports and Exercise, 2010, 42, 99. | 0.4 | 0 |

| # | Article | IF | Citations |
| --- | --- | --- | --- |
| 55 | Genetic variation in the pleiotropic association between physical activity and body weight in mice. Genetics Selection Evolution, 2009, 41, 41. | 3.0 | 26 |
| 56 | Genetic variation for body weight change in mice in response to physical exercise. BMC Genetics, 2009, 10, 58. | 2.7 | 16 |
| 57 | Altered dopaminergic profiles: Implications for the regulation of voluntary physical activity. Behavioural Brain Research, 2009, 204, 147-152. | 2.2 | 78 |
| 58 | Repeatability of exercise behaviors in mice. Physiology and Behavior, 2009, 98, 433-440. | 2.1 | 64 |
| 59 | Quantitative trait loci for physical activity traits in mice. Physiological Genomics, 2008, 32, 401-408. | 2.3 | 90 |
| 60 | An Epistatic Genetic Basis for Physical Activity Traits in Mice. Journal of Heredity, 2008, 99, 639-646. | 2.4 | 45 |
| 61 | Sex Hormones' Regulation of Rodent Physical Activity: A Review. International Journal of Biological Sciences, 2008, 4, 126-132. | 6.4 | 111 |
| 62 | Commentary on Viewpoint: Perspective on the future use of genomics in exercise prescription. Journal of Applied Physiology, 2008, 104, 1249-1249. | 2.5 | 7 |
| 63 | Quantitative trait loci associated with maximal exercise endurance in mice. Journal of Applied Physiology, 2007, 103, 105-110. | 2.5 | 29 |
| 64 | Activity Level in Mice is not Associated with Dopamine 2 Receptor Expression in Heart or Muscle Tissue. Medicine and Science in Sports and Exercise, 2007, 39, S278. | 0.4 | 0 |
| 65 | Experimentally evolving exercise endurance: one step at a time. Journal of Applied Physiology, 2006, 101, 1277-1278. | 2.5 | 0 |
| 66 | Influence of Age of Exposure to a Running Wheel on Activity in Inbred Mice. Medicine and Science in Sports and Exercise, 2006, 38, 51-56. | 0.4 | 12 |
| 67 | Physical Activity in Second Generation Crossbred Male Mice. Medicine and Science in Sports and Exercise, 2006, 38, S48. | 0.4 | 0 |
| 68 | Influence of Daily Running Wheel Activity on Immune Response to Infection with Murine Gammaherpesvirus-68. Medicine and Science in Sports and Exercise, 2006, 38, S31. | 0.4 | 0 |
| 69 | Fine Map Genotyping of Exercise Endurance Quantitative Trait Loci (QTLs). Medicine and Science in Sports and Exercise, 2006, 38, S366. | 0.4 | 0 |
| 70 | Influence of genetic background on daily running-wheel activity differs with aging. Physiological Genomics, 2005, 22, 76-85. | 2.3 | 85 |
| 71 | Genetic influence on daily wheel running activity level. Physiological Genomics, 2004, 19, 270-276. | 2.3 | 209 |
| 72 | The effects of breathing 5% CO2on human cardiovascular responses and tolerance to orthostatic stress. Experimental Physiology, 2004, 89, 465-471. | 2.0 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | A wide range of baroreflex stimulation does not alter forearm blood flow. European Journal of Applied Physiology, 2004, 93, 124-129. | 2.5 | 0 |
| 74 | Daily Physical Activity Level in Male Inbred Mouse Strains. Medicine and Science in Sports and Exercise, 2004, 36, S260. | 0.4 | 0 |
| 75 | The effects of isometric exercise training on resting blood pressure and orthostatic tolerance in humans. Experimental Physiology, 2002, 87, 507-515. | 2.0 | 51 |
| 76 | Interstrain variation in murine aerobic capacity. Medicine and Science in Sports and Exercise, 2001, 33, 2053-2057. | 0.4 | 85 |
| 77 | The reproducibility of tolerance to lower-body negative pressure and its quantification. European Journal of Applied Physiology, 2001, 84, 462-468. | 2.5 | 27 |
| 78 | Reproducibility of Resting Heart Rate Variability With Short Sampling Periods. Applied Physiology, Nutrition, and Metabolism, 1999, 24, 337-348. | 1.7 | 37 |
| 79 | Ambient noise interferes with auscultatory blood pressure measurement during exercise. Medicine and Science in Sports and Exercise, 1996, 28, 502-508. | 0.4 | 15 |
| 80 | Quantification of tolerance to lower body negative pressure in a healthy population. Medicine and Science in Sports and Exercise, 1995, 27, 697???706. | 0.4 | 21 |
| 81 | Can Blood Pressure be Measured During Exercise?. Sports Medicine, 1991, 12, 290-301. | 6.5 | 12 |
| 82 | Automated blood pressure measurements during exercise. Medicine and Science in Sports and Exercise, 1989, 21, i. | 0.4 | 38 |
| 83 | Promoting the STEM Pipeline and Enhancing STEM Career Awareness Through Participation in Authentic Research Activities (RTP, Diversity). , 0, , . | | 0 |