# Scott A Kelly

List of Publications by Year
in descending order



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|---|---|---|---|
| 24 papers | 1,339 citations | 393982 19 h-index | 642321 23 g-index |
| 24 all docs | 24 docs citations | 24 times ranked | 1579 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Phenotypic plasticity and experimental evolution. Journal of Experimental Biology, 2006, 209, 2344-2361. | 0.8 | 259 |
| 2 | Phenotypic Plasticity: Molecular Mechanisms and Adaptive Significance. , 2012, 2, 1417-1439. | | 188 |
| 3 | Experimental evolution and phenotypic plasticity of hindlimb bones in high-activity house mice. Journal of Morphology, 2006, 267, 360-374. | 0.6 | 88 |
| 4 | How to run far: multiple solutions and sex-specific responses to selective breeding for high voluntary activity levels. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 574-581. | 1.2 | 87 |
| 5 | Biological/Genetic Regulation of Physical Activity Level. Medicine and Science in Sports and Exercise, 2018, 50, 863-873. | 0.2 | 80 |
| 6 | Effects of Size, Sex, and Voluntary Running Speeds on Costs of Locomotion in Lines of Laboratory Mice Selectively Bred for High Wheelâ€Running Activity. Physiological and Biochemical Zoology, 2006, 79, 83-99. | 0.6 | 79 |
| 7 | Genetic architecture of voluntary exercise in an advanced intercross line of mice. Physiological Genomics, 2010, 42, 190-200. | 1.0 | 55 |
| 8 | Glycogen storage and muscle glucose transporters (GLUT-4) of mice selectively bred for high voluntary wheel running. Journal of Experimental Biology, 2009, 212, 238-248. | 0.8 | 49 |
| 9 | Longâ€term exercise in mice has sexâ€dependent benefits on body composition and metabolism during aging. Physiological Reports, 2016, 4, e13011. | 0.7 | 49 |
| 10 | Genetic approaches in comparative and evolutionary physiology. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R197-R214. | 0.9 | 42 |
| 11 | Exercise, weight loss, and changes in body composition in mice: phenotypic relationships and genetic architecture. Physiological Genomics, 2011, 43, 199-212. | 1.0 | 41 |
| 12 | Selective breeding as a tool to probe skeletal response to high voluntary locomotor activity in mice. Integrative and Comparative Biology, 2008, 48, 394-410. | 0.9 | 37 |
| 13 | Genetic determinants of voluntary exercise. Trends in Genetics, 2013, 29, 348-357. | 2.9 | 37 |
| 14 | Phenotypic Effects of the "Mini-Muscle" Allele in a Large HR x C57BL/6J Mouse Backcross. Journal of Heredity, 2008, 99, 349-354. | 1.0 | 36 |
| 15 | A Novel Intronic Single Nucleotide Polymorphism in the Myosin heavy polypeptide 4 Gene Is Responsible for the Mini-Muscle Phenotype Characterized by Major Reduction in Hind-Limb Muscle Mass in Mice. Genetics, 2013, 195, 1385-1395. | 1.2 | 36 |
| 16 | Quantitative genomics of voluntary exercise in mice: transcriptional analysis and mapping of expression QTL in muscle. Physiological Genomics, 2014, 46, 593-601. | 1.0 | 34 |
| 17 | Functional Genomic Architecture of Predisposition to Voluntary Exercise in Mice: Expression QTL in the Brain. Genetics, 2012, 191, 643-654. | 1.2 | 31 |
| 18 | Identification of quantitative trait loci influencing skeletal architecture in mice: Emergence of Cdh11 as a primary candidate gene regulating femoral morphology. Journal of Bone and Mineral Research, 2011, 26, 2174-2183. | 3.1 | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Effects of activity, genetic selection, and their interaction on muscle metabolic capacities and organ masses in mice. Journal of Experimental Biology, 2017, 220, 1038-1047. | 0.8 | 23 |
| 20 | Parent-of-origin effects on voluntary exercise levels and body composition in mice. Physiological Genomics, 2010, 40, 111-120. | 1.0 | 19 |
| 21 | Exercise training effects on hypoxic and hypercapnic ventilatory responses in mice selected for increased voluntary wheel running. Experimental Physiology, 2014, 99, 403-413. | 0.9 | 12 |
| 22 | Maternal exercise before and during pregnancy does not impact offspring exercise or body composition in mice. Journal of Negative Results in BioMedicine, 2015, 14, 13. | 1.4 | 12 |
| 23 | Prevention of tumorigenesis in mice by exercise is dependent on strain background and timing relative to carcinogen exposure. Scientific Reports, 2017, 7, 43086. | 1.6 | 10 |
| 24 | The â€˜Omicsâ€™ of Voluntary Exercise: Systems Approaches to a Complex Phenotype. Trends in Endocrinology and Metabolism, 2015, 26, 673-675. | 3.1 | 9 |