

# Fleur C Garton

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,998  
citations

304743

22  
h-index

361022

35  
g-index

44  
all docs

44  
docs citations

44  
times ranked

3109  
citing authors

#	ARTICLE	IF	CITATIONS
1	Common and rare variant association analyses in amyotrophic lateral sclerosis identify 15 risk loci with distinct genetic architectures and neuron-specific biology. <i>Nature Genetics</i> , 2021, 53, 1636-1648.	21.4	223
2	Genes for Elite Power and Sprint Performance: ACTN3 Leads the Way. <i>Sports Medicine</i> , 2013, 43, 803-817.	6.5	158
3	Large-scale GWAS identifies multiple loci for hand grip strength providing biological insights into muscular fitness. <i>Nature Communications</i> , 2017, 8, 16015.	12.8	149
4	ACTN3 genotype influences muscle performance through the regulation of calcineurin signaling. <i>Journal of Clinical Investigation</i> , 2013, 123, 4255-4263.	8.2	113
5	Direct-to-consumer genetic testing for predicting sports performance and talent identification: Consensus statement. <i>British Journal of Sports Medicine</i> , 2015, 49, 1486-1491.	6.7	113
6	ACTN3 R577X and ACE I/D gene variants influence performance in elite sprinters: a multi-cohort study. <i>BMC Genomics</i> , 2016, 17, 285.	2.8	106
7	No Evidence of a Common DNA Variant Profile Specific to World Class Endurance Athletes. <i>PLoS ONE</i> , 2016, 11, e0147330.	2.5	96
8	Athlome Project Consortium: a concerted effort to discover genomic and other "omic" markers of athletic performance. <i>Physiological Genomics</i> , 2016, 48, 183-190.	2.3	96
9	Deficiency of $\beta$ -actinin-3 is associated with increased susceptibility to contraction-induced damage and skeletal muscle remodeling. <i>Human Molecular Genetics</i> , 2011, 20, 2914-2927.	2.9	95
10	Cross-ethnic meta-analysis identifies association of the GPX3-TNIP1 locus with amyotrophic lateral sclerosis. <i>Nature Communications</i> , 2017, 8, 611.	12.8	93
11	Loss of IL-15 receptor $\beta$ alters the endurance, fatigability, and metabolic characteristics of mouse fast skeletal muscles. <i>Journal of Clinical Investigation</i> , 2011, 121, 3120-3132.	8.2	72
12	$\alpha$ -Actinin-3 and Performance. <i>Medicine and Sport Science</i> , 2009, 54, 88-101.	1.4	65
13	No association between ACTN3 R577X and ACE I/D polymorphisms and endurance running times in 698 Caucasian athletes. <i>BMC Genomics</i> , 2018, 19, 13.	2.8	65
14	Meta-analysis of genome-wide DNA methylation identifies shared associations across neurodegenerative disorders. <i>Genome Biology</i> , 2021, 22, 90.	8.8	49
15	Genome-wide Meta-analysis Finds the ACSL5-ZDHHC6 Locus Is Associated with ALS and Links Weight Loss to the Disease Genetics. <i>Cell Reports</i> , 2020, 33, 108323.	6.4	41
16	NF1 is a critical regulator of muscle development and metabolism. <i>Human Molecular Genetics</i> , 2014, 23, 1250-1259.	2.9	40
17	Genome-wide study of DNA methylation shows alterations in metabolic, inflammatory, and cholesterol pathways in ALS. <i>Science Translational Medicine</i> , 2022, 14, eabj0264.	12.4	38
18	Analysis of the <i>ACTN3</i> heterozygous genotype suggests that $\beta$ -actinin-3 controls sarcomeric composition and muscle function in a dose-dependent fashion. <i>Human Molecular Genetics</i> , 2016, 25, 866-877.	2.9	35

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19	ALS in Danish Registries. <i>Neurology: Genetics</i> , 2020, 6, e398.	1.9	34
20	Altered skeletal muscle glucose-fatty acid flux in amyotrophic lateral sclerosis. <i>Brain Communications</i> , 2020, 2, fcaa154.	3.3	32
21	Progression and survival of patients with motor neuron disease relative to their fecal microbiota. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2020, 21, 549-562.	1.7	27
22	Î±-Actinin-3 deficiency alters muscle adaptation in response to denervation and immobilization. <i>Human Molecular Genetics</i> , 2014, 23, 1879-1893.	2.9	26
23	Validation of an automated computational method for skeletal muscle fibre morphometry analysis. <i>Neuromuscular Disorders</i> , 2010, 20, 540-547.	0.6	25
24	Significant out-of-sample classification from methylation profile scoring for amyotrophic lateral sclerosis. <i>Npj Genomic Medicine</i> , 2020, 5, 10.	3.8	25
25	Whole-exome sequencing in amyotrophic lateral sclerosis suggests NEK1 is a risk gene in Chinese. <i>Genome Medicine</i> , 2017, 9, 97.	8.2	23
26	Rodent models for resolving extremes of exercise and health. <i>Physiological Genomics</i> , 2016, 48, 82-92.	2.3	20
27	The Effect of ACTN3 Gene Doping on Skeletal Muscle Performance. <i>American Journal of Human Genetics</i> , 2018, 102, 845-857.	6.2	17
28	Polygenic risk score analysis for amyotrophic lateral sclerosis leveraging cognitive performance, educational attainment and schizophrenia. <i>European Journal of Human Genetics</i> , 2022, 30, 532-539.	2.8	16
29	Cardiovascular disease, psychiatric diagnosis and sex differences in the multistep hypothesis of amyotrophic lateral sclerosis. <i>European Journal of Neurology</i> , 2021, 28, 421-429.	3.3	15
30	The Effect of Heterozygosity for the ACTN3 Null Allele on Human Muscle Performance. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 509-520.	0.4	14
31	Whole exome sequencing and <sc>DNA</sc> methylation analysis in a clinical amyotrophic lateral sclerosis cohort. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2017, 5, 418-428.	1.2	14
32	Mutations in heat shock protein beta-1 (HSPB1) are associated with a range of clinical phenotypes related to different patterns of motor neuron dysfunction: A case series. <i>Journal of the Neurological Sciences</i> , 2020, 413, 116809.	0.6	14
33	Functional characterisation of the amyotrophic lateral sclerosis risk locus GPX3/TNIP1. <i>Genome Medicine</i> , 2022, 14, 7.	8.2	12
34	Human cerebral evolution and the clinical syndrome of amyotrophic lateral sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, 570-575.	1.9	11
35	What do we know about the variability in survival of patients with amyotrophic lateral sclerosis?. <i>Expert Review of Neurotherapeutics</i> , 2020, 20, 921-941.	2.8	10
36	RARE MYOPATHIES AND EXPERIMENTAL APPROACHES - POSTER PRESENTATIONS G.P.125 ACTN3 genotype influences skeletal muscle performance through alterations in calcineurin signaling. <i>Neuromuscular Disorders</i> , 2012, 22, 904.	0.6	0

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37	A gene for speed: The influence of ACTN3 on muscle performance in health and disease. <i>Neuromuscular Disorders</i> , 2015, 25, S185.	0.6	0
38	Estimating the Rate of Cell Type Degeneration from Epigenetic Sequencing of Cell-Free DNA. <i>Lecture Notes in Computer Science</i> , 2020, , 240-242.	1.3	0
39	Functional Characterisation of a GWAS Risk Locus Identifies <i>GPX3</i> as a Lead Candidate Gene in ALS. <i>SSRN Electronic Journal</i> , 0, ,	0.4	0