Arnaud Ferry

List of Publications by Year in Descending Order

87 papers	3,551 citations	33 h-index	58 g-index
96 ext. papers	4,234 ext. citations	7.7 avg, IF	4.51 L-index

#	Paper	IF	Citations
87	The beneficial effect of chronic muscular exercise on muscle fragility is increased by Prox1 gene transfer in dystrophic mdx muscle.. *PLoS ONE*, **2022**, 17, e0254274	3.7	0
86	The cell polarity protein Vangl2 in the muscle shapes the neuromuscular synapse by binding to and regulating the tyrosine kinase MuSK.. *Science Signaling*, **2022**, 15, eabg4982	8.8	0
85	Myod1 and GR coordinate myofiber-specific transcriptional enhancers. *Nucleic Acids Research*, **2021**, 49, 4472-4492	20.1	1
84	Alteration of skeletal and cardiac muscles function in mice background: a focus on high intensity interval training. *Intractable and Rare Diseases Research*, **2021**, 10, 269-275	1.4	
83	Absence of Desmin Results in Impaired Adaptive Response to Mechanical Overloading of Skeletal Muscle. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 662133	5.7	2
82	Desmin prevents muscle wasting, exaggerated weakness and fragility, and fatigue in dystrophic mdx mouse. *Journal of Physiology*, **2020**, 598, 3667-3689	3.9	5
81	Differential physiological roles for BIN1 isoforms in skeletal muscle development, function and regeneration. *DMM Disease Models and Mechanisms*, **2020**, 13,	4.1	7
80	Lamin-Related Congenital Muscular Dystrophy Alters Mechanical Signaling and Skeletal Muscle Growth. *International Journal of Molecular Sciences*, **2020**, 22,	6.3	8
79	Effects of the selective inhibition of proteasome caspase-like activity by CLi a derivative of nor-cerpegin in dystrophic mdx mice. *PLoS ONE*, **2019**, 14, e0215821	3.7	2
78	Functional muscle recovery following dystrophin and myostatin exon splice modulation in aged mdx mice. *Human Molecular Genetics*, **2019**, 28, 3091-3100	5.6	10
77	An embryonic CaV1 isoform promotes muscle mass maintenance via GDF5 signaling in adult mouse. *Science Translational Medicine*, **2019**, 11,	17.5	10
76	Peptide-conjugated oligonucleotides evoke long-lasting myotonic dystrophy correction in patient-derived cells and mice. *Journal of Clinical Investigation*, **2019**, 129, 4739-4744	15.9	38
75	Allele-specific silencing therapy for Dynamin 2-related dominant centronuclear myopathy. *EMBO Molecular Medicine*, **2018**, 10, 239-253	12	24
74	Improvement of Dystrophic Muscle Fragility by Short-Term Voluntary Exercise through Activation of Calcineurin Pathway in mdx Mice. *American Journal of Pathology*, **2018**, 188, 2662-2673	5.8	9
73	Aged Nicotinamide Riboside Kinase 2 Deficient Mice Present an Altered Response to Endurance Exercise Training. *Frontiers in Physiology*, **2018**, 9, 1290	4.6	11
72	Effect of constitutive inactivation of the myostatin gene on the gain in muscle strength during postnatal growth in two murine models. *Muscle and Nerve*, **2017**, 55, 254-261	3.4	3
71	HANAC Col4a1 Mutation in Mice Leads to Skeletal Muscle Alterations due to a Primary Vascular Defect. *American Journal of Pathology*, **2017**, 187, 505-516	5.8	22

70	R-spondin1 Controls Muscle Cell Fusion through Dual Regulation of Antagonistic Wnt Signaling Pathways. *Cell Reports*, **2017**, 18, 2320-2330	10.6	24
69	Gonad-related factors promote muscle performance gain during postnatal development in male and female mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2017**, 313, E12-E25	6	12
68	A New AAV10-U7-Mediated Gene Therapy Prolongs Survival and Restores Function in an ALS Mouse Model. *Molecular Therapy*, **2017**, 25, 2038-2052	11.7	43
67	Voluntary Exercise Improves Cardiac Function and Prevents Cardiac Remodeling in a Mouse Model of Dilated Cardiomyopathy. *Frontiers in Physiology*, **2017**, 8, 899	4.6	10
66	Dystrophin restoration therapy improves both the reduced excitability and the force drop induced by lengthening contractions in dystrophic mdx skeletal muscle. *Skeletal Muscle*, **2016**, 6, 23	5.1	18
65	Muscle PGC-1 modulates satellite cell number and proliferation by remodeling the stem cell niche. *Skeletal Muscle*, **2016**, 6, 39	5.1	18
64	PGC-1 modulates necrosis, inflammatory response, and fibrotic tissue formation in injured skeletal muscle. *Skeletal Muscle*, **2016**, 6, 38	5.1	21
63	Mutation in lamin A/C sensitizes the myocardium to exercise-induced mechanical stress but has no effect on skeletal muscles in mouse. *Neuromuscular Disorders*, **2016**, 26, 490-9	2.9	12
62	Increasing mitochondrial muscle fatty acid oxidation induces skeletal muscle remodeling toward an oxidative phenotype. *FASEB Journal*, **2015**, 29, 2473-83	0.9	26
61	Abnormal splicing switch of DMDs penultimate exon compromises muscle fibre maintenance in myotonic dystrophy. *Nature Communications*, **2015**, 6, 7205	17.4	57
60	HACD1, a regulator of membrane composition and fluidity, promotes myoblast fusion and skeletal muscle growth. *Journal of Molecular Cell Biology*, **2015**, 7, 429-40	6.3	27
59	Effect of voluntary physical activity initiated at age 7 months on skeletal hindlimb and cardiac muscle function in mdx mice of both genders. *Muscle and Nerve*, **2015**, 52, 788-94	3.4	12
58	Mechanical Overloading Increases Maximal Force and Reduces Fragility in Hind Limb Skeletal Muscle from Mdx Mouse. *American Journal of Pathology*, **2015**, 185, 2012-24	5.8	9
57	Citrulline Supplementation Induces Changes in Body Composition and Limits Age-Related Metabolic Changes in Healthy Male Rats. *Journal of Nutrition*, **2015**, 145, 1429-37	4.1	32
56	The transcriptional coregulator PGC-1 controls mitochondrial function and anti-oxidant defence in skeletal muscles. *Nature Communications*, **2015**, 6, 10210	17.4	48
55	Functional correction in mouse models of muscular dystrophy using exon-skipping tricyclo-DNA oligomers. *Nature Medicine*, **2015**, 21, 270-5	50.5	205
54	Actin scaffolding by clathrin heavy chain is required for skeletal muscle sarcomere organization. *Journal of Cell Biology*, **2014**, 205, 377-93	7.3	45
53	Synemin acts as a regulator of signalling molecules during skeletal muscle hypertrophy. *Journal of Cell Science*, **2014**, 127, 4589-601	5.3	24

52	Myostatin is a key mediator between energy metabolism and endurance capacity of skeletal muscle. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 307, R444-54	3.2	50
51	Blockade of ActRIIB signaling triggers muscle fatigability and metabolic myopathy. *Molecular Therapy*, **2014**, 22, 1423-1433	11.7	54
50	AMPK controls exercise endurance, mitochondrial oxidative capacity, and skeletal muscle integrity. *FASEB Journal*, **2014**, 28, 3211-24	0.9	142
49	Advances in the understanding of skeletal muscle weakness in murine models of diseases affecting nerve-evoked muscle activity, motor neurons, synapses and myofibers. *Neuromuscular Disorders*, **2014**, 24, 960-72	2.9	9
48	Acute effect of androgens on maximal force-generating capacity and electrically evoked calcium transient in mouse skeletal muscles. *Steroids*, **2014**, 87, 6-11	2.8	7
47	Reducing dynamin 2 expression rescues X-linked centronuclear myopathy. *Journal of Clinical Investigation*, **2014**, 124, 1350-63	15.9	80
46	Six homeoproteins and a linc-RNA at the fast MYH locus lock fast myofiber terminal phenotype. *PLoS Genetics*, **2014**, 10, e1004386	6	37
45	REDD1 deletion prevents dexamethasone-induced skeletal muscle atrophy. *American Journal of Physiology - Endocrinology and Metabolism*, **2014**, 307, E983-93	6	66
44	Myofiber androgen receptor promotes maximal mechanical overload-induced muscle hypertrophy and fiber type transition in male mice. *Endocrinology*, **2014**, 155, 4739-48	4.8	14
43	Viral-mediated expression of desmin mutants to create mouse models of myofibrillar myopathy. *Skeletal Muscle*, **2013**, 3, 4	5.1	23
42	AMPK1 regulates macrophage skewing at the time of resolution of inflammation during skeletal muscle regeneration. *Cell Metabolism*, **2013**, 18, 251-64	24.6	300
41	BMP signaling controls muscle mass. *Nature Genetics*, **2013**, 45, 1309-18	36.3	280
40	The beneficial effect of myostatin deficiency on maximal muscle force and power is attenuated with age. *Experimental Gerontology*, **2013**, 48, 183-90	4.5	20
39	Voluntary physical activity protects from susceptibility to skeletal muscle contraction-induced injury but worsens heart function in mdx mice. *American Journal of Pathology*, **2013**, 182, 1509-18	5.8	34
38	The Rag2?Il2rb?Dmd? mouse: a novel dystrophic and immunodeficient model to assess innovating therapeutic strategies for muscular dystrophies. *Molecular Therapy*, **2013**, 21, 1950-7	11.7	19
37	Myotubularin and PtdIns3P remodel the sarcoplasmic reticulum in muscle in vivo. *Journal of Cell Science*, **2013**, 126, 1806-19	5.3	42
36	Protective effect of female gender-related factors on muscle force-generating capacity and fragility in the dystrophic mdx mouse. *Muscle and Nerve*, **2013**, 48, 68-75	3.4	17
35	Leucine and citrulline modulate muscle function in malnourished aged rats. *Amino Acids*, **2012**, 42, 1425-33	3.5	43

34	Combined effect of AAV-U7-induced dystrophin exon skipping and soluble activin Type IIB receptor in mdx mice. *Human Gene Therapy*, **2012**, 23, 1269-79	4.8	25
33	G.P.18 Muscle pathology and dysfunction in a novel mouse model of COLVI-myopathy. *Neuromuscular Disorders*, **2012**, 22, 827-828	2.9	2
32	Impaired adaptive response to mechanical overloading in dystrophic skeletal muscle. *PLoS ONE*, **2012**, 7, e35346	3.7	22
31	Effect of locomotor training on muscle performance in the context of nerve-muscle communication dysfunction. *Muscle and Nerve*, **2012**, 45, 567-77	3.4	6
30	A new model of experimental fibrosis in hindlimb skeletal muscle of adult mdx mouse mimicking muscular dystrophy. *Muscle and Nerve*, **2012**, 45, 803-14	3.4	28
29	Phosphatase-dead myotubularin ameliorates X-linked centronuclear myopathy phenotypes in mice. *PLoS Genetics*, **2012**, 8, e1002965	6	38
28	Molecular, physiological, and motor performance defects in DMSXL mice carrying >1,000 CTG repeats from the human DM1 locus. *PLoS Genetics*, **2012**, 8, e1003043	6	72
27	Increased expression of wild-type or a centronuclear myopathy mutant of dynamin 2 in skeletal muscle of adult mice leads to structural defects and muscle weakness. *American Journal of Pathology*, **2011**, 178, 2224-35	5.8	65
26	Increased muscle stress-sensitivity induced by selenoprotein N inactivation in mouse: a mammalian model for SEPN1-related myopathy. *PLoS ONE*, **2011**, 6, e23094	3.7	54
25	Misregulated alternative splicing of BIN1 is associated with T tubule alterations and muscle weakness in myotonic dystrophy. *Nature Medicine*, **2011**, 17, 720-5	50.5	228
24	Eccentric stimulation reveals an involvement of FGF6 in muscle resistance to mechanical stress. *European Journal of Applied Physiology*, **2011**, 111, 1507-15	3.4	2
23	Delivery of AAV2/9-microdystrophin genes incorporating helix 1 of the coiled-coil motif in the C-terminal domain of dystrophin improves muscle pathology and restores the level of □1-syntrophin and □dystrobrevin in skeletal muscles of mdx mice. *Human Gene Therapy*, **2011**, 22, 1379-88	4.8	45
22	Satellite cell loss and impaired muscle regeneration in selenoprotein N deficiency. *Human Molecular Genetics*, **2011**, 20, 694-704	5.6	72
21	DHPR alpha1S subunit controls skeletal muscle mass and morphogenesis. *EMBO Journal*, **2010**, 29, 643-54	15	49
20	Restoration of muscle functionality by genetic suppression of glycogen synthesis in a murine model of Pompe disease. *Human Molecular Genetics*, **2010**, 19, 684-96	5.6	32
19	Molecular and phenotypic characterization of a mouse model of oculopharyngeal muscular dystrophy reveals severe muscular atrophy restricted to fast glycolytic fibres. *Human Molecular Genetics*, **2010**, 19, 2191-207	5.6	62
18	A centronuclear myopathy-dynamin 2 mutation impairs skeletal muscle structure and function in mice. *Human Molecular Genetics*, **2010**, 19, 4820-36	5.6	90
17	Localization of butyrylcholinesterase at the neuromuscular junction of normal and acetylcholinesterase knockout mice. *Journal of Histochemistry and Cytochemistry*, **2010**, 58, 1075-82	3.4	6

16	Myocytic androgen receptor controls the strength but not the mass of limb muscles. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 14327-32	11.5	74
15	Combination of myostatin pathway interference and dystrophin rescue enhances tetanic and specific force in dystrophic mdx mice. *Molecular Therapy*, **2010**, 18, 881-7	11.7	47
14	Progressive skeletal muscle weakness in transgenic mice expressing CTG expansions is associated with the activation of the ubiquitin-proteasome pathway. *Neuromuscular Disorders*, **2010**, 20, 319-25	2.9	34
13	Muscle inactivation of mTOR causes metabolic and dystrophin defects leading to severe myopathy. *Journal of Cell Biology*, **2009**, 187, 859-74	7.3	260
12	Muscle inactivation of mTOR causes metabolic and dystrophin defects leading to severe myopathy. *Journal of Experimental Medicine*, **2009**, 206, i33-i33	16.6	
11	Effect of fluoxetine on neuromuscular function in acetylcholinesterase (AChE) knockout mice. *Chemico-Biological Interactions*, **2008**, 175, 113-4	5	5
10	Genetic ablation of acetylcholinesterase alters muscle function in mice. *Chemico-Biological Interactions*, **2008**, 175, 129-30	5	6
9	Evidence of a dosage effect and a physiological endplate acetylcholinesterase deficiency in the first mouse models mimicking Schwartz-Jampel syndrome neuromyotonia. *Human Molecular Genetics*, **2008**, 17, 3166-79	5.6	46
8	Premature aging in skeletal muscle lacking serum response factor. *PLoS ONE*, **2008**, 3, e3910	3.7	54
7	TGF-beta1 favors the development of fast type identity during soleus muscle regeneration. *Journal of Muscle Research and Cell Motility*, **2006**, 27, 1-8	3.5	20
6	Exogenous pleiotrophin applied to lesioned nerve impairs muscle reinnervation. *Neurochemical Research*, **2006**, 31, 907-13	4.6	16
5	Recovery of slow skeletal muscle after injury in the senescent rat. *Experimental Gerontology*, **2003**, 38, 529-37	4.5	14
4	Differential Modification of Myosin Heavy Chain Expression by Tenotomy in Regenerating Fast and Slow Muscles of the Rat. *Experimental Physiology*, **2000**, 85, 187-191	2.4	11
3	Effect of anabolic/androgenic steroids on myosin heavy chain expression in hindlimb muscles of male rats. *European Journal of Applied Physiology and Occupational Physiology*, **2000**, 81, 155-8		19
2	Differential Modification of Myosin Heavy Chain Expression by Tenotomy in Regenerating Fast and Slow Muscles of the Rat **2000**, 85, 187		4
1	Effect of increased physical activity on growth and differentiation of regenerating rat soleus muscle. *European Journal of Applied Physiology*, **1997**, 76, 270-6	3.4	11