

# Arnaud Ferry

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	AMPK $\beta$ regulates macrophage skewing at the time of resolution of inflammation during skeletal muscle regeneration. <i>Cell Metabolism</i> , <b>2013</b> , 18, 251-64	24.6	300
86	BMP signaling controls muscle mass. <i>Nature Genetics</i> , <b>2013</b> , 45, 1309-18	36.3	280
85	Muscle inactivation of mTOR causes metabolic and dystrophin defects leading to severe myopathy. <i>Journal of Cell Biology</i> , <b>2009</b> , 187, 859-74	7.3	260
84	Misregulated alternative splicing of BIN1 is associated with T tubule alterations and muscle weakness in myotonic dystrophy. <i>Nature Medicine</i> , <b>2011</b> , 17, 720-5	50.5	228
83	Functional correction in mouse models of muscular dystrophy using exon-skipping tricyclo-DNA oligomers. <i>Nature Medicine</i> , <b>2015</b> , 21, 270-5	50.5	205
82	AMPK controls exercise endurance, mitochondrial oxidative capacity, and skeletal muscle integrity. <i>FASEB Journal</i> , <b>2014</b> , 28, 3211-24	0.9	142
81	A centronuclear myopathy-dynamin 2 mutation impairs skeletal muscle structure and function in mice. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 4820-36	5.6	90
80	Reducing dynamin 2 expression rescues X-linked centronuclear myopathy. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 1350-63	15.9	80
79	Myocytic androgen receptor controls the strength but not the mass of limb muscles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 14327-32	11.5	74
78	Satellite cell loss and impaired muscle regeneration in selenoprotein N deficiency. <i>Human Molecular Genetics</i> , <b>2011</b> , 20, 694-704	5.6	72
77	Molecular, physiological, and motor performance defects in DMSXL mice carrying >1,000 CTG repeats from the human DM1 locus. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1003043	6	72
76	REDD1 deletion prevents dexamethasone-induced skeletal muscle atrophy. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2014</b> , 307, E983-93	6	66
75	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. <i>American Journal of Pathology</i> , <b>2011</b> , 178, 2224-35	5.8	65
74	Molecular and phenotypic characterization of a mouse model of oculopharyngeal muscular dystrophy reveals severe muscular atrophy restricted to fast glycolytic fibres. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 2191-207	5.6	62
73	Abnormal splicing switch of DMD5 penultimate exon compromises muscle fibre maintenance in myotonic dystrophy. <i>Nature Communications</i> , <b>2015</b> , 6, 7205	17.4	57
72	Blockade of ActRIIB signaling triggers muscle fatigability and metabolic myopathy. <i>Molecular Therapy</i> , <b>2014</b> , 22, 1423-1433	11.7	54
71	Increased muscle stress-sensitivity induced by selenoprotein N inactivation in mouse: a mammalian model for SEP1-related myopathy. <i>PLoS ONE</i> , <b>2011</b> , 6, e23094	3.7	54

70	Premature aging in skeletal muscle lacking serum response factor. <i>PLoS ONE</i> , <b>2008</b> , 3, e3910	3.7	54
69	Myostatin is a key mediator between energy metabolism and endurance capacity of skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2014</b> , 307, R444-54	3.2	50
68	DHPR alpha1S subunit controls skeletal muscle mass and morphogenesis. <i>EMBO Journal</i> , <b>2010</b> , 29, 643-54	5.4	49
67	The transcriptional coregulator PGC-1 $\alpha$ controls mitochondrial function and anti-oxidant defence in skeletal muscles. <i>Nature Communications</i> , <b>2015</b> , 6, 10210	17.4	48
66	Combination of myostatin pathway interference and dystrophin rescue enhances tetanic and specific force in dystrophic mdx mice. <i>Molecular Therapy</i> , <b>2010</b> , 18, 881-7	11.7	47
65	Evidence of a dosage effect and a physiological endplate acetylcholinesterase deficiency in the first mouse models mimicking Schwartz-Jampel syndrome neuromyotonia. <i>Human Molecular Genetics</i> , <b>2008</b> , 17, 3166-79	5.6	46
64	Actin scaffolding by clathrin heavy chain is required for skeletal muscle sarcomere organization. <i>Journal of Cell Biology</i> , <b>2014</b> , 205, 377-93	7.3	45
63	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 $\beta$ -syntrophin and $\beta$ -dystrobrevin in skeletal muscles of mdx mice. <i>Human Gene Therapy</i> , <b>2011</b> , 22, 1379-88	4.8	45
62	Leucine and citrulline modulate muscle function in malnourished aged rats. <i>Amino Acids</i> , <b>2012</b> , 42, 1425-33	3.3	43
61	A New AAV10-U7-Mediated Gene Therapy Prolongs Survival and Restores Function in an ALS Mouse Model. <i>Molecular Therapy</i> , <b>2017</b> , 25, 2038-2052	11.7	43
60	Myotubularin and PtdIns3P remodel the sarcoplasmic reticulum in muscle in vivo. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 1806-19	5.3	42
59	Phosphatase-dead myotubularin ameliorates X-linked centronuclear myopathy phenotypes in mice. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002965	6	38
58	Peptide-conjugated oligonucleotides evoke long-lasting myotonic dystrophy correction in patient-derived cells and mice. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 4739-4744	15.9	38
57	Six homeoproteins and a linc-RNA at the fast MYH locus lock fast myofiber terminal phenotype. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004386	6	37
56	Voluntary physical activity protects from susceptibility to skeletal muscle contraction-induced injury but worsens heart function in mdx mice. <i>American Journal of Pathology</i> , <b>2013</b> , 182, 1509-18	5.8	34
55	Progressive skeletal muscle weakness in transgenic mice expressing CTG expansions is associated with the activation of the ubiquitin-proteasome pathway. <i>Neuromuscular Disorders</i> , <b>2010</b> , 20, 319-25	2.9	34
54	Citrulline Supplementation Induces Changes in Body Composition and Limits Age-Related Metabolic Changes in Healthy Male Rats. <i>Journal of Nutrition</i> , <b>2015</b> , 145, 1429-37	4.1	32
53	Restoration of muscle functionality by genetic suppression of glycogen synthesis in a murine model of Pompe disease. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 684-96	5.6	32

52	A new model of experimental fibrosis in hindlimb skeletal muscle of adult mdx mouse mimicking muscular dystrophy. <i>Muscle and Nerve</i> , <b>2012</b> , 45, 803-14	3.4	28
51	HACD1, a regulator of membrane composition and fluidity, promotes myoblast fusion and skeletal muscle growth. <i>Journal of Molecular Cell Biology</i> , <b>2015</b> , 7, 429-40	6.3	27
50	Increasing mitochondrial muscle fatty acid oxidation induces skeletal muscle remodeling toward an oxidative phenotype. <i>FASEB Journal</i> , <b>2015</b> , 29, 2473-83	0.9	26
49	Combined effect of AAV-U7-induced dystrophin exon skipping and soluble activin Type IIB receptor in mdx mice. <i>Human Gene Therapy</i> , <b>2012</b> , 23, 1269-79	4.8	25
48	R-spondin1 Controls Muscle Cell Fusion through Dual Regulation of Antagonistic Wnt Signaling Pathways. <i>Cell Reports</i> , <b>2017</b> , 18, 2320-2330	10.6	24
47	Allele-specific silencing therapy for Dynamin 2-related dominant centronuclear myopathy. <i>EMBO Molecular Medicine</i> , <b>2018</b> , 10, 239-253	12	24
46	Synemin acts as a regulator of signalling molecules during skeletal muscle hypertrophy. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 4589-601	5.3	24
45	Viral-mediated expression of desmin mutants to create mouse models of myofibrillar myopathy. <i>Skeletal Muscle</i> , <b>2013</b> , 3, 4	5.1	23
44	HANAC Col4a1 Mutation in Mice Leads to Skeletal Muscle Alterations due to a Primary Vascular Defect. <i>American Journal of Pathology</i> , <b>2017</b> , 187, 505-516	5.8	22
43	Impaired adaptive response to mechanical overloading in dystrophic skeletal muscle. <i>PLoS ONE</i> , <b>2012</b> , 7, e35346	3.7	22
42	PGC-1 $\alpha$ modulates necrosis, inflammatory response, and fibrotic tissue formation in injured skeletal muscle. <i>Skeletal Muscle</i> , <b>2016</b> , 6, 38	5.1	21
41	The beneficial effect of myostatin deficiency on maximal muscle force and power is attenuated with age. <i>Experimental Gerontology</i> , <b>2013</b> , 48, 183-90	4.5	20
40	TGF-beta1 favors the development of fast type identity during soleus muscle regeneration. <i>Journal of Muscle Research and Cell Motility</i> , <b>2006</b> , 27, 1-8	3.5	20
39	The Rag2 $\Delta$ Il2rb $\Delta$ Dmd $\Delta$ mouse: a novel dystrophic and immunodeficient model to assess innovating therapeutic strategies for muscular dystrophies. <i>Molecular Therapy</i> , <b>2013</b> , 21, 1950-7	11.7	19
38	Effect of anabolic/androgenic steroids on myosin heavy chain expression in hindlimb muscles of male rats. <i>European Journal of Applied Physiology and Occupational Physiology</i> , <b>2000</b> , 81, 155-8		19
37	Dystrophin restoration therapy improves both the reduced excitability and the force drop induced by lengthening contractions in dystrophic mdx skeletal muscle. <i>Skeletal Muscle</i> , <b>2016</b> , 6, 23	5.1	18
36	Muscle PGC-1 $\alpha$ modulates satellite cell number and proliferation by remodeling the stem cell niche. <i>Skeletal Muscle</i> , <b>2016</b> , 6, 39	5.1	18
35	Protective effect of female gender-related factors on muscle force-generating capacity and fragility in the dystrophic mdx mouse. <i>Muscle and Nerve</i> , <b>2013</b> , 48, 68-75	3.4	17

34	Exogenous pleiotrophin applied to lesioned nerve impairs muscle reinnervation. <i>Neurochemical Research</i> , <b>2006</b> , 31, 907-13	4.6	16
33	Myofiber androgen receptor promotes maximal mechanical overload-induced muscle hypertrophy and fiber type transition in male mice. <i>Endocrinology</i> , <b>2014</b> , 155, 4739-48	4.8	14
32	Recovery of slow skeletal muscle after injury in the senescent rat. <i>Experimental Gerontology</i> , <b>2003</b> , 38, 529-37	4.5	14
31	Gonad-related factors promote muscle performance gain during postnatal development in male and female mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2017</b> , 313, E12-E25	6	12
30	Effect of voluntary physical activity initiated at age 7 months on skeletal hindlimb and cardiac muscle function in mdx mice of both genders. <i>Muscle and Nerve</i> , <b>2015</b> , 52, 788-94	3.4	12
29	Mutation in lamin A/C sensitizes the myocardium to exercise-induced mechanical stress but has no effect on skeletal muscles in mouse. <i>Neuromuscular Disorders</i> , <b>2016</b> , 26, 490-9	2.9	12
28	Effect of increased physical activity on growth and differentiation of regenerating rat soleus muscle. <i>European Journal of Applied Physiology</i> , <b>1997</b> , 76, 270-6	3.4	11
27	Differential Modification of Myosin Heavy Chain Expression by Tenotomy in Regenerating Fast and Slow Muscles of the Rat. <i>Experimental Physiology</i> , <b>2000</b> , 85, 187-191	2.4	11
26	Aged Nicotinamide Riboside Kinase 2 Deficient Mice Present an Altered Response to Endurance Exercise Training. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1290	4.6	11
25	Functional muscle recovery following dystrophin and myostatin exon splice modulation in aged mdx mice. <i>Human Molecular Genetics</i> , <b>2019</b> , 28, 3091-3100	5.6	10
24	An embryonic CaV $\beta$ isoform promotes muscle mass maintenance via GDF5 signaling in adult mouse. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	10
23	Voluntary Exercise Improves Cardiac Function and Prevents Cardiac Remodeling in a Mouse Model of Dilated Cardiomyopathy. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 899	4.6	10
22	Improvement of Dystrophic Muscle Fragility by Short-Term Voluntary Exercise through Activation of Calcineurin Pathway in mdx Mice. <i>American Journal of Pathology</i> , <b>2018</b> , 188, 2662-2673	5.8	9
21	Advances in the understanding of skeletal muscle weakness in murine models of diseases affecting nerve-evoked muscle activity, motor neurons, synapses and myofibers. <i>Neuromuscular Disorders</i> , <b>2014</b> , 24, 960-72	2.9	9
20	Mechanical Overloading Increases Maximal Force and Reduces Fragility in Hind Limb Skeletal Muscle from Mdx Mouse. <i>American Journal of Pathology</i> , <b>2015</b> , 185, 2012-24	5.8	9
19	Lamin-Related Congenital Muscular Dystrophy Alters Mechanical Signaling and Skeletal Muscle Growth. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 22,	6.3	8
18	Acute effect of androgens on maximal force-generating capacity and electrically evoked calcium transient in mouse skeletal muscles. <i>Steroids</i> , <b>2014</b> , 87, 6-11	2.8	7
17	Differential physiological roles for BIN1 isoforms in skeletal muscle development, function and regeneration. <i>DMM Disease Models and Mechanisms</i> , <b>2020</b> , 13,	4.1	7

16	Effect of locomotor training on muscle performance in the context of nerve-muscle communication dysfunction. <i>Muscle and Nerve</i> , <b>2012</b> , 45, 567-77	3.4	6
15	Localization of butyrylcholinesterase at the neuromuscular junction of normal and acetylcholinesterase knockout mice. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2010</b> , 58, 1075-82	3.4	6
14	Genetic ablation of acetylcholinesterase alters muscle function in mice. <i>Chemico-Biological Interactions</i> , <b>2008</b> , 175, 129-30	5	6
13	Desmin prevents muscle wasting, exaggerated weakness and fragility, and fatigue in dystrophic mdx mouse. <i>Journal of Physiology</i> , <b>2020</b> , 598, 3667-3689	3.9	5
12	Effect of fluoxetine on neuromuscular function in acetylcholinesterase (AChE) knockout mice. <i>Chemico-Biological Interactions</i> , <b>2008</b> , 175, 113-4	5	5
11	Differential Modification of Myosin Heavy Chain Expression by Tenotomy in Regenerating Fast and Slow Muscles of the Rat <b>2000</b> , 85, 187		4
10	Effect of constitutive inactivation of the myostatin gene on the gain in muscle strength during postnatal growth in two murine models. <i>Muscle and Nerve</i> , <b>2017</b> , 55, 254-261	3.4	3
9	Effects of the selective inhibition of proteasome caspase-like activity by CLI a derivative of nor-cerpegin in dystrophic mdx mice. <i>PLoS ONE</i> , <b>2019</b> , 14, e0215821	3.7	2
8	G.P.18 Muscle pathology and dysfunction in a novel mouse model of COLVI-myopathy. <i>Neuromuscular Disorders</i> , <b>2012</b> , 22, 827-828	2.9	2
7	Eccentric stimulation reveals an involvement of FGF6 in muscle resistance to mechanical stress. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 1507-15	3.4	2
6	Absence of Desmin Results in Impaired Adaptive Response to Mechanical Overloading of Skeletal Muscle. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 662133	5.7	2
5	Myod1 and GR coordinate myofiber-specific transcriptional enhancers. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 4472-4492	20.1	1
4	The beneficial effect of chronic muscular exercise on muscle fragility is increased by Prox1 gene transfer in dystrophic mdx muscle.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0254274	3.7	0
3	The cell polarity protein Vangl2 in the muscle shapes the neuromuscular synapse by binding to and regulating the tyrosine kinase MuSK.. <i>Science Signaling</i> , <b>2022</b> , 15, eabg4982	8.8	0
2	Muscle inactivation of mTOR causes metabolic and dystrophin defects leading to severe myopathy. <i>Journal of Experimental Medicine</i> , <b>2009</b> , 206, i33-i33	16.6	
1	Alteration of skeletal and cardiac muscles function in mice background: a focus on high intensity interval training. <i>Intractable and Rare Diseases Research</i> , <b>2021</b> , 10, 269-275	1.4	