

# Gillian S Butler-Browne

## List of Publications by Year in Descending Order

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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.

176  
papers

9,632  
citations

55  
h-index

92  
g-index

186  
ext. papers

10,805  
ext. citations

6.1  
avg, IF

5.47  
L-index

#	Paper	IF	Citations
176	Zika virus disrupts gene expression in human myoblasts and myotubes: Relationship with susceptibility to infection.. <i>PLoS Neglected Tropical Diseases</i> , <b>2022</b> , 16, e0010166	4.8	0
175	Challenges in cell transplantation for muscular dystrophy. <i>Experimental Cell Research</i> , <b>2021</b> , 409, 112908	4.2	0
174	Age-related alterations in muscle architecture are a signature of sarcopenia: the ultrasound sarcopenia index. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2021</b> , 12, 973-982	10.3	8
173	Myogenic Cell Transplantation in Genetic and Acquired Diseases of Skeletal Muscle. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 702547	4.5	3
172	Arboviruses and Muscle Disorders: From Disease to Cell Biology. <i>Viruses</i> , <b>2020</b> , 12,	6.2	3
171	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
170	Transduction Efficiency of Adeno-Associated Virus Serotypes After Local Injection in Mouse and Human Skeletal Muscle. <i>Human Gene Therapy</i> , <b>2020</b> , 31, 233-240	4.8	6
169	Crosstalk Between Innate and T Cell Adaptive Immunity With(in) the Muscle. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 573347	4.6	3
168	A Novel Bioengineered Functional Motor Unit Platform to Study Neuromuscular Interaction. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	3
167	Differentiation-dependent susceptibility of human muscle cells to Zika virus infection. <i>PLoS Neglected Tropical Diseases</i> , <b>2020</b> , 14, e0008282	4.8	4
166	Lamin Mutations Cause Increased YAP Nuclear Entry in Muscle Stem Cells. <i>Cells</i> , <b>2020</b> , 9,	7.9	15
165	Combined methods to evaluate human cells in muscle xenografts. <i>PLoS ONE</i> , <b>2019</b> , 14, e0211522	3.7	
164	Dystrophy-associated caveolin-3 mutations reveal that caveolae couple IL6/STAT3 signaling with mechanosensing in human muscle cells. <i>Nature Communications</i> , <b>2019</b> , 10, 1974	17.4	31
163	Simplified in vitro engineering of neuromuscular junctions between rat embryonic motoneurons and immortalized human skeletal muscle cells. <i>Stem Cells and Cloning: Advances and Applications</i> , <b>2019</b> , 12, 1-9	2.6	5
162	Pharmacological modulation of the ER stress response ameliorates oculopharyngeal muscular dystrophy. <i>Human Molecular Genetics</i> , <b>2019</b> , 28, 1694-1708	5.6	16
161	Association of interleukin-6 rs1800796 polymorphism with reduced cognitive performance in healthy older adults. <i>Meta Gene</i> , <b>2019</b> , 19, 51-55	0.7	1
160	Necrosis in anti-SRP and anti-HMGCR myopathies: Role of autoantibodies and complement. <i>Neurology</i> , <b>2018</b> , 90, e507-e517	6.5	78

159	Handgrip Strength Cannot Be Assumed a Proxy for Overall Muscle Strength. <i>Journal of the American Medical Directors Association</i> , <b>2018</b> , 19, 703-709	5.9	55
158	JAK inhibitor improves type I interferon induced damage: proof of concept in dermatomyositis. <i>Brain</i> , <b>2018</b> , 141, 1609-1621	11.2	104
157	Activated dendritic cells modulate proliferation and differentiation of human myoblasts. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 551	9.8	4
156	Skeletal Muscle Regenerative Potential of Human MuStem Cells following Transplantation into Injured Mice Muscle. <i>Molecular Therapy</i> , <b>2018</b> , 26, 618-633	11.7	22
155	Dysregulation of C-X-C motif ligand 10 during aging and association with cognitive performance. <i>Neurobiology of Aging</i> , <b>2018</b> , 63, 54-64	5.6	28
154	A functional human motor unit platform engineered from human embryonic stem cells and immortalized skeletal myoblasts. <i>Stem Cells and Cloning: Advances and Applications</i> , <b>2018</b> , 11, 85-93	2.6	4
153	Improvement of Duchenne muscular dystrophy phenotype following obestatin treatment. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2018</b> , 9, 1063-1078	10.3	6
152	Assessment of maximal handgrip strength: how many attempts are needed?. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2017</b> , 8, 466-474	10.3	73
151	Pathogenic role of anti-signal recognition protein and anti-3-Hydroxy-3-methylglutaryl-CoA reductase antibodies in necrotizing myopathies: Myofiber atrophy and impairment of muscle regeneration in necrotizing autoimmune myopathies. <i>Annals of Neurology</i> , <b>2017</b> , 81, 538-548	9.4	69
150	Coupling between skeletal muscle fiber size and capillarization is maintained during healthy aging. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2017</b> , 8, 647-659	10.3	41
149	HGF potentiates extracellular matrix-driven migration of human myoblasts: involvement of matrix metalloproteinases and MAPK/ERK pathway. <i>Skeletal Muscle</i> , <b>2017</b> , 7, 20	5.1	23
148	Obestatin Increases the Regenerative Capacity of Human Myoblasts Transplanted Intramuscularly in an Immunodeficient Mouse Model. <i>Molecular Therapy</i> , <b>2017</b> , 25, 2345-2359	11.7	4
147	Muscle satellite cells are functionally impaired in myasthenia gravis: consequences on muscle regeneration. <i>Acta Neuropathologica</i> , <b>2017</b> , 134, 869-888	14.3	13
146	KCC3 loss-of-function contributes to Andermann syndrome by inducing activity-dependent neuromuscular junction defects. <i>Neurobiology of Disease</i> , <b>2017</b> , 106, 35-48	7.5	7
145	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
144	Cellular Therapies for Muscular Dystrophies: Frustrations and Clinical Successes. <i>Human Gene Therapy</i> , <b>2016</b> , 27, 117-26	4.8	32
143	Impaired energy metabolism of senescent muscle satellite cells is associated with oxidative modifications of glycolytic enzymes. <i>Aging</i> , <b>2016</b> , 8, 3375-3389	5.6	28
142	Nuclear poly(A)-binding protein aggregates misplace a pre-mRNA outside of SC35 speckle causing its abnormal splicing. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 10929-10945	20.1	20

141	Association between osteocalcin and cognitive performance in healthy older adults. <i>Age and Ageing</i> , <b>2016</b> , 45, 844-849	3	35
140	Plantarflexor Muscle-Tendon Properties are Associated With Mobility in Healthy Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2015</b> , 70, 996-1002	6.4	44
139	Cellular Proteome Dynamics during Differentiation of Human Primary Myoblasts. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 3348-61	5.6	23
138	Mitochondrial dysfunction reveals the role of mRNA poly(A) tail regulation in oculopharyngeal muscular dystrophy pathogenesis. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005092	6	42
137	The Impact of Different Diagnostic Criteria on the Prevalence of Sarcopenia in Healthy Elderly Participants and Geriatric Outpatients. <i>Gerontology</i> , <b>2015</b> , 61, 491-6	5.5	57
136	Intramuscular sex steroid hormones are associated with skeletal muscle strength and power in women with different hormonal status. <i>Aging Cell</i> , <b>2015</b> , 14, 236-48	9.9	27
135	NMR imaging estimates of muscle volume and intramuscular fat infiltration in the thigh: variations with muscle, gender, and age. <i>Age</i> , <b>2015</b> , 37, 9798		57
134	Invited review: Stem cells and muscle diseases: advances in cell therapy strategies. <i>Neuropathology and Applied Neurobiology</i> , <b>2015</b> , 41, 270-87	5.2	27
133	The lymphocyte secretome from young adults enhances skeletal muscle proliferation and migration, but effects are attenuated in the secretome of older adults. <i>Physiological Reports</i> , <b>2015</b> , 3, e12518	2.6	10
132	CD49d is a disease progression biomarker and a potential target for immunotherapy in Duchenne muscular dystrophy. <i>Skeletal Muscle</i> , <b>2015</b> , 5, 45	5.1	10
131	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
130	Response to Comment on Pellegrinelli et al. Human Adipocytes Induce Inflammation and Atrophy in Muscle Cells During Obesity. <i>Diabetes</i> 2015;64:3121B134. <i>Diabetes</i> , <b>2015</b> , 64, e23-e24	0.9	
129	Correlation between low FAT1 expression and early affected muscle in facioscapulohumeral muscular dystrophy. <i>Annals of Neurology</i> , <b>2015</b> , 78, 387-400	9.4	27
128	Exon 32 Skipping of Dysferlin Rescues Membrane Repair in Patients Cells. <i>Journal of Neuromuscular Diseases</i> , <b>2015</b> , 2, 281-290	5	22
127	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
126	CellWhere: graphical display of interaction networks organized on subcellular localizations. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, W571-5	20.1	15
125	Age-Associated Methylation Suppresses SPRY1, Leading to a Failure of Re-quiescence and Loss of the Reserve Stem Cell Pool in Elderly Muscle. <i>Cell Reports</i> , <b>2015</b> , 13, 1172-1182	10.6	71
124	Human Adipocytes Induce Inflammation and Atrophy in Muscle Cells During Obesity. <i>Diabetes</i> , <b>2015</b> , 64, 3121-34	0.9	111

123	Comparison of Different Methods to Estimate the Volume of the Quadriceps Femoris Muscles Using MRI. <i>Journal of Medical Imaging and Health Informatics</i> , <b>2015</b> , 5, 1201-1207	1.2	3
122	miRNA expression in control and FSHD fetal human muscle biopsies. <i>PLoS ONE</i> , <b>2015</b> , 10, e0116853	3.7	16
121	DUX4 and DUX4 downstream target genes are expressed in fetal FSHD muscles. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 171-81	5.6	49
120	Label-free quantitative protein profiling of vastus lateralis muscle during human aging. <i>Molecular and Cellular Proteomics</i> , <b>2014</b> , 13, 283-94	7.6	37
119	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
118	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
117	Proteomics of muscle chronological ageing in post-menopausal women. <i>BMC Genomics</i> , <b>2014</b> , 15, 1165	4.5	53
116	Predictive markers of clinical outcome in the GRMD dog model of Duchenne muscular dystrophy. <i>DMM Disease Models and Mechanisms</i> , <b>2014</b> , 7, 1253-61	4.1	20
115	Autologous myoblast transplantation for oculopharyngeal muscular dystrophy: a phase I/IIa clinical study. <i>Molecular Therapy</i> , <b>2014</b> , 22, 219-25	11.7	94
114	Manual segmentation of individual muscles of the quadriceps femoris using MRI: a reappraisal. <i>Journal of Magnetic Resonance Imaging</i> , <b>2014</b> , 40, 239-47	5.6	52
113	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
112	Nuclear protein spreading: implication for pathophysiology of neuromuscular diseases. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 4125-33	5.6	17
111	Inflammation-induced acute phase response in skeletal muscle and critical illness myopathy. <i>PLoS ONE</i> , <b>2014</b> , 9, e92048	3.7	55
110	Differences in the expression and distribution of flotillin-2 in chick, mice and human muscle cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e103990	3.7	9
109	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
108	Dystrophin deficiency leads to disturbance of LAMP1-vesicle-associated protein secretion. <i>Cellular and Molecular Life Sciences</i> , <b>2013</b> , 70, 2159-74	10.3	48
107	Circulating levels of adipokines and IGF-1 are associated with skeletal muscle strength of young and old healthy subjects. <i>Biogerontology</i> , <b>2013</b> , 14, 261-72	4.5	57
106	Age-dependent alteration in muscle regeneration: the critical role of tissue niche. <i>Biogerontology</i> , <b>2013</b> , 14, 273-92	4.5	79

105	Physiological and functional evaluation of healthy young and older men and women: design of the European MyoAge study. <i>Biogerontology</i> , <b>2013</b> , 14, 325-37	4.5	46
104	Expression of myogenic regulatory factors and myo-endothelial remodeling in sporadic inclusion body myositis. <i>Neuromuscular Disorders</i> , <b>2013</b> , 23, 75-83	2.9	21
103	HTLV-1-associated inflammatory myopathies: low proviral load and moderate inflammation in 13 patients from West Indies and West Africa. <i>Journal of Clinical Virology</i> , <b>2013</b> , 57, 70-6	14.5	15
102	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
101	Expression and modification proteomics during skeletal muscle ageing. <i>Biogerontology</i> , <b>2013</b> , 14, 339-52	4.5	40
100	Myoblasts and embryonic stem cells differentially engraft in a mouse model of genetic dilated cardiomyopathy. <i>Molecular Therapy</i> , <b>2013</b> , 21, 1064-75	11.7	5
99	The Rag2 <sup>-/-</sup> Il2rb <sup>-/-</sup> Dmd <sup>-/-</sup> 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
98	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
97	Atrophy, fibrosis, and increased PAX7-positive cells in pharyngeal muscles of oculopharyngeal muscular dystrophy patients. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2013</b> , 72, 234-43	3.1	36
96	Productive infection of human skeletal muscle cells by pandemic and seasonal influenza A(H1N1) viruses. <i>PLoS ONE</i> , <b>2013</b> , 8, e79628	3.7	31
95	Myogenic Potential of Stem Cells: In Vivo Assessment. <i>Pancreatic Islet Biology</i> , <b>2013</b> , 1-17	0.4	
94	Proinflammatory macrophages enhance the regenerative capacity of human myoblasts by modifying their kinetics of proliferation and differentiation. <i>Molecular Therapy</i> , <b>2012</b> , 20, 2168-79	11.7	97
93	In-depth analysis of the secretome identifies three major independent secretory pathways in differentiating human myoblasts. <i>Journal of Proteomics</i> , <b>2012</b> , 77, 344-56	3.9	97
92	Generation of isogenic D4Z4 contracted and noncontracted immortal muscle cell clones from a mosaic patient: a cellular model for FSHD. <i>American Journal of Pathology</i> , <b>2012</b> , 181, 1387-401	5.8	52
91	Cholesterol depletion by methyl-β-cyclodextrin enhances cell proliferation and increases the number of desmin-positive cells in myoblast cultures. <i>European Journal of Pharmacology</i> , <b>2012</b> , 694, 1-12	5.3	22
90	Cell-Based Therapies in Skeletal Muscle Disease <b>2012</b> , 1053-1063		
89	Impaired adaptive response to mechanical overloading in dystrophic skeletal muscle. <i>PLoS ONE</i> , <b>2012</b> , 7, e35346	3.7	22
88	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

87	Slowing down differentiation of engrafted human myoblasts into immunodeficient mice correlates with increased proliferation and migration. <i>Molecular Therapy</i> , <b>2012</b> , 20, 146-54	11.7	40
86	Prolonged myalgia in Sindbis virus infection: case description and in vitro infection of myotubes and myoblasts. <i>Journal of Infectious Diseases</i> , <b>2012</b> , 206, 407-14	7	22
85	Regenerative potential of human muscle stem cells in chronic inflammation. <i>Arthritis Research and Therapy</i> , <b>2011</b> , 13, R207	5.7	13
84	Cells respond to mechanical stress by rapid disassembly of caveolae. <i>Cell</i> , <b>2011</b> , 144, 402-13	56.2	575
83	Type B mandibuloacral dysplasia with congenital myopathy due to homozygous ZMPSTE24 missense mutation. <i>European Journal of Human Genetics</i> , <b>2011</b> , 19, 647-54	5.3	32
82	Mechano Growth Factor E peptide (MGF-E), derived from an isoform of IGF-1, activates human muscle progenitor cells and induces an increase in their fusion potential at different ages. <i>Mechanisms of Ageing and Development</i> , <b>2011</b> , 132, 154-62	5.6	65
81	Immortalized pathological human myoblasts: towards a universal tool for the study of neuromuscular disorders. <i>Skeletal Muscle</i> , <b>2011</b> , 1, 34	5.1	160
80	Current advances in cell therapy strategies for muscular dystrophies. <i>Expert Opinion on Biological Therapy</i> , <b>2011</b> , 11, 157-76	5.4	35
79	Abnormalities of satellite cells function in amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , <b>2011</b> , 12, 264-71		39
78	Human myostatin negatively regulates human myoblast growth and differentiation. <i>American Journal of Physiology - Cell Physiology</i> , <b>2011</b> , 301, C195-203	5.4	75
77	Myostatin promotes the wasting of human myoblast cultures through promoting ubiquitin-proteasome pathway-mediated loss of sarcomeric proteins. <i>American Journal of Physiology - Cell Physiology</i> , <b>2011</b> , 301, C1316-24	5.4	81
76	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
75	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
74	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
73	Skeletal muscle telomere length in healthy, experienced, endurance runners. <i>European Journal of Applied Physiology</i> , <b>2010</b> , 109, 323-30	3.4	64
72	Differential integrin expression by T lymphocytes: potential role in DMD muscle damage. <i>Journal of Neuroimmunology</i> , <b>2010</b> , 223, 128-30	3.5	8
71	Efficient bypass of mutations in dysferlin deficient patient cells by antisense-induced exon skipping. <i>Human Mutation</i> , <b>2010</b> , 31, 136-42	4.7	75
70	DUX4c is up-regulated in FSHD. It induces the MYF5 protein and human myoblast proliferation. <i>PLoS ONE</i> , <b>2009</b> , 4, e7482	3.7	43



69	Immortalized skin fibroblasts expressing conditional MyoD as a renewable and reliable source of converted human muscle cells to assess therapeutic strategies for muscular dystrophies: validation of an exon-skipping approach to restore dystrophin in Duchenne muscular dystrophy cells. <i>Human Gene Therapy</i> , <b>2009</b> , 20, 784-90	4.8	48
68	In vivo myogenic potential of human CD133+ muscle-derived stem cells: a quantitative study. <i>Molecular Therapy</i> , <b>2009</b> , 17, 1771-8	11.7	116
67	Beta-hydroxy-beta-methylbutyrate (HMB) stimulates myogenic cell proliferation, differentiation and survival via the MAPK/ERK and PI3K/Akt pathways. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2009</b> , 1793, 755-63	4.9	123
66	Analysis of growth factor expression in affected and unaffected muscles of oculo-pharyngeal muscular dystrophy (OPMD) patients: a pilot study. <i>Neuromuscular Disorders</i> , <b>2009</b> , 19, 199-206	2.9	3
65	Role of regulatory T cells in a new mouse model of experimental autoimmune myositis. <i>American Journal of Pathology</i> , <b>2009</b> , 174, 989-98	5.8	64
64	Muscleblind-like proteins: similarities and differences in normal and myotonic dystrophy muscle. <i>American Journal of Pathology</i> , <b>2009</b> , 174, 216-27	5.8	58
63	Large CTG repeats trigger p16-dependent premature senescence in myotonic dystrophy type 1 muscle precursor cells. <i>American Journal of Pathology</i> , <b>2009</b> , 174, 1435-42	5.8	72
62	Replicative aging down-regulates the myogenic regulatory factors in human myoblasts. <i>Biology of the Cell</i> , <b>2008</b> , 100, 189-99	3.5	97
61	Inhibition of Chikungunya virus infection in cultured human muscle cells by furin inhibitors: impairment of the maturation of the E2 surface glycoprotein. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 21899-908	5.4	104
60	Human myoblast engraftment is improved in laminin-enriched microenvironment. <i>Transplantation</i> , <b>2008</b> , 85, 566-75	1.8	35
59	Premature aging in skeletal muscle lacking serum response factor. <i>PLoS ONE</i> , <b>2008</b> , 3, e3910	3.7	54
58	Proteome analysis of differentiating human myoblasts by dialysis-assisted two-dimensional gel electrophoresis (DAGE). <i>Proteomics</i> , <b>2008</b> , 8, 264-78	4.8	22
57	Drug-induced readthrough of premature stop codons leads to the stabilization of laminin alpha2 chain mRNA in CMD myotubes. <i>Journal of Gene Medicine</i> , <b>2008</b> , 10, 217-24	3.5	60
56	Human muscle satellite cells as targets of Chikungunya virus infection. <i>PLoS ONE</i> , <b>2007</b> , 2, e527	3.7	198
55	Defective mRNA in myotonic dystrophy accumulates at the periphery of nuclear splicing speckles. <i>Genes To Cells</i> , <b>2007</b> , 12, 1035-48	2.3	71
54	Cellular senescence in human myoblasts is overcome by human telomerase reverse transcriptase and cyclin-dependent kinase 4: consequences in aging muscle and therapeutic strategies for muscular dystrophies. <i>Aging Cell</i> , <b>2007</b> , 6, 515-23	9.9	201
53	IL-13 mediates the recruitment of reserve cells for fusion during IGF-1-induced hypertrophy of human myotubes. <i>Journal of Cell Science</i> , <b>2007</b> , 120, 670-81	5.3	56
52	Expression of slow myosin heavy chain during muscle regeneration is not always dependent on muscle innervation and calcineurin phosphatase activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2006</b> , 290, R1508-14	3.2	26



51	Human muscle stem cells. <i>Current Opinion in Pharmacology</i> , <b>2006</b> , 6, 295-300	5.1	14
50	Premature proliferative arrest of cricopharyngeal myoblasts in oculo-pharyngeal muscular dystrophy: Therapeutic perspectives of autologous myoblast transplantation. <i>Neuromuscular Disorders</i> , <b>2006</b> , 16, 770-81	2.9	56
49	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
48	Muscle wasting induced by HTLV-1 tax-1 protein: an in vitro and in vivo study. <i>American Journal of Pathology</i> , <b>2005</b> , 167, 1609-19	5.8	19
47	Comparative analysis of genetically engineered immunodeficient mouse strains as recipients for human myoblast transplantation. <i>Cell Transplantation</i> , <b>2005</b> , 14, 457-67	4	35
46	Specific isomyosin proportions in hyperexcitable and physiologically denervated mouse muscle. <i>FEBS Letters</i> , <b>2004</b> , 561, 191-4	3.8	18
45	Human circulating AC133(+) stem cells restore dystrophin expression and ameliorate function in dystrophic skeletal muscle. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 114, 182-95	15.9	271
44	Skeletal muscles express the xenobiotic-metabolizing enzyme arylamine N-acetyltransferase. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2003</b> , 51, 789-96	3.4	33
43	Severe muscle dysfunction precedes collagen tissue proliferation in mdx mouse diaphragm. <i>Journal of Applied Physiology</i> , <b>2003</b> , 94, 1744-50	3.7	28
42	Myosin heavy chain isoforms in postnatal muscle development of mice. <i>Biology of the Cell</i> , <b>2003</b> , 95, 399-406	3.96	186
41	Changes in myotonic dystrophy protein kinase levels and muscle development in congenital myotonic dystrophy. <i>American Journal of Pathology</i> , <b>2003</b> , 162, 1001-9	5.8	35
40	Athletes with exercise-associated fatigue have abnormally short muscle DNA telomeres. <i>Medicine and Science in Sports and Exercise</i> , <b>2003</b> , 35, 1524-8	1.2	71
39	Telomerase can extend the proliferative capacity of human myoblasts, but does not lead to their immortalization. <i>Molecular Cancer Research</i> , <b>2003</b> , 1, 643-53	6.6	55
38	Distribution of satellite cells in the human vastus lateralis muscle during aging. <i>Experimental Gerontology</i> , <b>2002</b> , 37, 1513-4	4.5	41
37	Human skeletal muscle satellite cells: aging, oxidative stress and the mitotic clock. <i>Experimental Gerontology</i> , <b>2002</b> , 37, 1229-36	4.5	79
36	Contractile properties, structure and fiber phenotype of intact and regenerating slow-twitch muscles of mice treated with cyclosporin A. <i>Cell and Tissue Research</i> , <b>2002</b> , 308, 143-56	4.2	25
35	Regenerative potential of human skeletal muscle during aging. <i>Aging Cell</i> , <b>2002</b> , 1, 132-9	9.9	255
34	Lack of desmin results in abortive muscle regeneration and modifications in synaptic structure. <i>Cytoskeleton</i> , <b>2001</b> , 49, 51-66		35

33	Influence of early postnatal cold exposure on myofiber maturation in pig skeletal muscle. <i>Journal of Muscle Research and Cell Motility</i> , <b>2001</b> , 22, 439-52	3.5	23
32	The muscle-specific enolase is an early marker of human myogenesis. <i>Journal of Muscle Research and Cell Motility</i> , <b>2001</b> , 22, 535-44	3.5	38
31	A discrepancy resolved: human satellite cells are not preprogrammed to fast and slow lineages. <i>Neuromuscular Disorders</i> , <b>2001</b> , 11, 747-52	2.9	33
30	Age-related appearance of tubular aggregates in the skeletal muscle of almost all male inbred mice. <i>Histochemistry and Cell Biology</i> , <b>2000</b> , 114, 477-81	2.4	49
29	Myosin heavy chain expression in human laryngeal muscle fibers. A biochemical study. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , <b>2000</b> , 109, 216-20	2.1	21
28	Cellular adaptation of the trapezius muscle in strength-trained athletes. <i>Histochemistry and Cell Biology</i> , <b>1999</b> , 111, 189-95	2.4	142
27	Pathological mechanisms implicated in localized female trapezius myalgia. <i>Pain</i> , <b>1998</b> , 78, 191-196	8	71
26	Dynamic left/right regionalisation of endogenous myosin light chain 3F transcripts in the developing mouse heart. <i>Journal of Molecular and Cellular Cardiology</i> , <b>1998</b> , 30, 1067-81	5.8	24
25	Desmin is essential for the tensile strength and integrity of myofibrils but not for myogenic commitment, differentiation, and fusion of skeletal muscle. <i>Journal of Cell Biology</i> , <b>1997</b> , 139, 129-44	7.3	286
24	Acetylcholine receptor formation in mouse-chick chimera. <i>Experimental Cell Research</i> , <b>1997</b> , 236, 29-42	4.2	9
23	Troponin T mRNA and protein isoforms in the human left ventricle: pattern of expression in failing and control hearts. <i>Journal of Molecular and Cellular Cardiology</i> , <b>1997</b> , 29, 3043-55	5.8	45
22	Fetal myosin heavy chain increases in human masseter muscle during aging. <i>FEBS Letters</i> , <b>1996</b> , 386, 87-90	3.8	37
21	Analysis of skeletal and cardiac muscle from desmin knock-out and normal mice by high resolution separation of myosin heavy-chain isoforms. <i>Biology of the Cell</i> , <b>1996</b> , 88, 131-135	3.5	60
20	Telomere length as a tool to monitor satellite cell amplification for cell-mediated gene therapy. <i>Human Gene Therapy</i> , <b>1996</b> , 7, 1347-50	4.8	43
19	Analysis of skeletal and cardiac muscle from desmin knock-out and normal mice by high resolution separation of myosin heavy-chain isoforms <b>1996</b> , 88, 131		17
18	Improvement of dysphagia following cricopharyngeal myotomy in a group of elderly patients. Histochemical and biochemical assessment of the cricopharyngeal muscle. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , <b>1995</b> , 104, 603-9	2.1	26
17	Biochemical and immunocytochemical analysis in chronic proximal spinal muscular atrophy. <i>Muscle and Nerve</i> , <b>1994</b> , 17, 400-10	3.4	7
16	Modification of the dystrophic phenotype after transient neonatal denervation: role of MHC isoforms. <i>Journal of Neurobiology</i> , <b>1992</b> , 23, 751-65		2

15	Transcription of the embryonic myosin light chain gene is restricted to type II muscle fibers in human adult masseter. <i>Developmental Biology</i> , <b>1991</b> , 147, 374-80	3.1	5
14	Expression of myosin isoforms during notexin-induced regeneration of rat soleus muscles. <i>Developmental Biology</i> , <b>1990</b> , 141, 24-40	3.1	197
13	Molecular cloning of human cardiac troponin I using polymerase chain reaction. <i>FEBS Letters</i> , <b>1990</b> , 270, 57-61	3.8	112
12	Induction and stability of the adult myosin phenotype in striated muscles of dwarf mice after chronic thyroid hormone treatment. <i>FEBS Journal</i> , <b>1989</b> , 185, 555-61		6
11	Human desmin-coding gene: complete nucleotide sequence, characterization and regulation of expression during myogenesis and development. <i>Gene</i> , <b>1989</b> , 78, 243-54	3.8	81
10	Myosin isozyme transitions occurring during the postnatal development of the rat soleus muscle. <i>Developmental Biology</i> , <b>1984</b> , 102, 324-34	3.1	269
9	Effects of hypothyroidism on myosin isozyme transitions in developing rat muscle. <i>FEBS Letters</i> , <b>1984</b> , 166, 71-5	3.8	88
8	A developmentally regulated disappearance of slow myosin in fast-type muscles of the mouse. <i>FEBS Letters</i> , <b>1984</b> , 177, 51-6	3.8	32
7	Development of fiber types in human fetal muscle. An immunocytochemical study. <i>Journal of the Neurological Sciences</i> , <b>1984</b> , 66, 107-15	3.2	34
6	The adult fast isozyme of myosin is present in a nerve-muscle tissue culture system. <i>Differentiation</i> , <b>1983</b> , 25, 84-7	3.5	25
5	Denervation of newborn rat muscle does not block the appearance of adult fast myosin heavy chain. <i>Nature</i> , <b>1982</b> , 299, 830-3	50.4	124
4	Three myosin heavy-chain isozymes appear sequentially in rat muscle development. <i>Nature</i> , <b>1981</b> , 292, 805-9	50.4	537
3	Transitions in contractile protein isozymes during muscle cell differentiation. <i>Biochimie</i> , <b>1979</b> , 61, 625-32.6		32
2	Identification of a novel form of myosin light chain present in embryonic muscle tissue and cultured muscle cells. <i>Journal of Molecular Biology</i> , <b>1978</b> , 126, 415-31	6.5	295
1	Physical studies of chromatin. The recombination of histones with DNA. <i>FEBS Journal</i> , <b>1976</b> , 62, 21-31		79