

Miranda D Grounds

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155
papers

7,211
citations

47
h-index

78
g-index

166
ext. papers

7,962
ext. citations

5.2
avg, IF

6.01
L-index

#	Paper	IF	Citations
155	Identification of skeletal muscle precursor cells in vivo by use of MyoD1 and myogenin probes. <i>Cell and Tissue Research</i> , 1992 , 267, 99-104	4.2	261
154	Towards developing standard operating procedures for pre-clinical testing in the mdx mouse model of Duchenne muscular dystrophy. <i>Neurobiology of Disease</i> , 2008 , 31, 1-19	7.5	245
153	Rapid death of injected myoblasts in myoblast transfer therapy. <i>Muscle and Nerve</i> , 1996 , 19, 853-60	3.4	223
152	Age-associated changes in the response of skeletal muscle cells to exercise and regeneration. <i>Annals of the New York Academy of Sciences</i> , 1998 , 854, 78-91	6.5	218
151	Anti-TNFalpha (Remicade) therapy protects dystrophic skeletal muscle from necrosis. <i>FASEB Journal</i> , 2004 , 18, 676-82	0.9	200
150	New horizons in the pathogenesis, diagnosis and management of sarcopenia. <i>Age and Ageing</i> , 2013 , 42, 145-50	3	171
149	Evidence of fusion between host and donor myoblasts in skeletal muscle grafts. <i>Nature</i> , 1978 , 273, 306-8	30.4	168
148	Reduced necrosis of dystrophic muscle by depletion of host neutrophils, or blocking TNFalpha function with Etanercept in mdx mice. <i>Neuromuscular Disorders</i> , 2006 , 16, 591-602	2.9	165
147	The role of stem cells in skeletal and cardiac muscle repair. <i>Journal of Histochemistry and Cytochemistry</i> , 2002 , 50, 589-610	3.4	164
146	Age-related changes in replication of myogenic cells in mdx mice: quantitative autoradiographic studies. <i>Journal of the Neurological Sciences</i> , 1993 , 119, 169-79	3.2	137
145	Striking denervation of neuromuscular junctions without lumbar motoneuron loss in geriatric mouse muscle. <i>PLoS ONE</i> , 2011 , 6, e28090	3.7	133
144	Why do cultured transplanted myoblasts die in vivo? DNA quantification shows enhanced survival of donor male myoblasts in host mice depleted of CD4+ and CD8+ cells or Nk1.1+ cells. <i>Cell Transplantation</i> , 2000 , 9, 489-502	4	131
143	Initiation and duration of muscle precursor replication after mild and severe injury to skeletal muscle of mice. An autoradiographic study. <i>Cell and Tissue Research</i> , 1987 , 248, 125-30	4.2	130
142	Reasons for the degeneration of ageing skeletal muscle: a central role for IGF-1 signalling. <i>Biogerontology</i> , 2002 , 3, 19-24	4.5	123
141	The role of tumor necrosis factor-alpha (TNF-alpha) in skeletal muscle regeneration. Studies in TNF-alpha(-/-) and TNF-alpha(-/-)/LT-alpha(-/-) mice. <i>Journal of Histochemistry and Cytochemistry</i> , 2001 , 49, 989-1001	3.4	121
140	Molecular and cell biology of skeletal muscle regeneration. <i>Molecular and Cell Biology of Human Diseases Series</i> , 1993 , 3, 210-56		114
139	Reconciling data from transgenic mice that overexpress IGF-I specifically in skeletal muscle. <i>Growth Hormone and IGF Research</i> , 2005 , 15, 4-18	2	113

138	Expression of laminin alpha1, alpha2, alpha4, and alpha5 chains, fibronectin, and tenascin-C in skeletal muscle of dystrophic 129ReJ dy/dy mice. <i>Experimental Cell Research</i> , 1999 , 246, 165-82	4.2	113
137	Oxidative stress and pathology in muscular dystrophies: focus on protein thiol oxidation and dysferlinopathies. <i>FEBS Journal</i> , 2013 , 280, 4149-64	5.7	109
136	Macrophages and dendritic cells in normal and regenerating murine skeletal muscle. <i>Muscle and Nerve</i> , 1997 , 20, 158-66	3.4	106
135	Delayed but excellent myogenic stem cell response of regenerating geriatric skeletal muscles in mice. <i>Biogerontology</i> , 2010 , 11, 363-76	4.5	95
134	Muscle regeneration: molecular aspects and therapeutic implications. <i>Current Opinion in Neurology</i> , 1999 , 12, 535-43	7.1	95
133	Targeted expression of insulin-like growth factor-I reduces early myofiber necrosis in dystrophic mdx mice. <i>Molecular Therapy</i> , 2004 , 10, 829-43	11.7	93
132	Targeting macrophages rescues age-related immune deficiencies in C57BL/6J geriatric mice. <i>Aging Cell</i> , 2013 , 12, 345-57	9.9	92
131	Cellular differences in the regeneration of murine skeletal muscle: a quantitative histological study in SJL/J and BALB/c mice. <i>Cell and Tissue Research</i> , 1992 , 269, 159-66	4.2	90
130	Direct evidence that inflammatory multinucleate giant cells form by fusion. <i>Journal of Pathology</i> , 1982 , 137, 177-80	9.4	85
129	Phagocytosis of necrotic muscle in muscle isografts is influenced by the strain, age, and sex of host mice. <i>Journal of Pathology</i> , 1987 , 153, 71-82	9.4	79
128	Cromolyn administration (to block mast cell degranulation) reduces necrosis of dystrophic muscle in mdx mice. <i>Neurobiology of Disease</i> , 2006 , 23, 387-97	7.5	77
127	Extracellular matrix, growth factors, genetics: their influence on cell proliferation and myotube formation in primary cultures of adult mouse skeletal muscle. <i>Experimental Cell Research</i> , 1995 , 219, 169-79	4.2	77
126	Of bears, frogs, meat, mice and men: complexity of factors affecting skeletal muscle mass and fat. <i>BioEssays</i> , 2006 , 28, 994-1009	4.1	74
125	Myotube formation is delayed but not prevented in MyoD-deficient skeletal muscle: studies in regenerating whole muscle grafts of adult mice. <i>Journal of Histochemistry and Cytochemistry</i> , 2000 , 48, 1531-44	3.4	74
124	A growth stimulus is needed for IGF-1 to induce skeletal muscle hypertrophy in vivo. <i>Journal of Cell Science</i> , 2010 , 123, 960-71	5.3	71
123	Oxidative stress as a therapeutic target during muscle wasting: considering the complex interactions. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2008 , 11, 408-16	3.8	70
122	Reduced muscle necrosis and long-term benefits in dystrophic mdx mice after cV1q (blockade of TNF) treatment. <i>Neuromuscular Disorders</i> , 2008 , 18, 227-38	2.9	68
121	Immunobiology and the future of myoblast transfer therapy. <i>Molecular Therapy</i> , 2000 , 1, 304-13	11.7	68

120	Implications of cross-talk between tumour necrosis factor and insulin-like growth factor-1 signalling in skeletal muscle. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2008 , 35, 846-51	3	66
119	The exogenous administration of basic fibroblast growth factor to regenerating skeletal muscle in mice does not enhance the process of regeneration. <i>Growth Factors</i> , 1996 , 13, 37-55	1.6	63
118	Problems and solutions in myoblast transfer therapy. <i>Journal of Cellular and Molecular Medicine</i> , 2001 , 5, 33-47	5.6	62
117	Exposure to tissue culture conditions can adversely affect myoblast behavior in vivo in whole muscle grafts: implications for myoblast transfer therapy. <i>Cell Transplantation</i> , 2000 , 9, 379-93	4	60
116	Voluntary resistance wheel exercise from mid-life prevents sarcopenia and increases markers of mitochondrial function and autophagy in muscles of old male and female C57BL/6J mice. <i>Skeletal Muscle</i> , 2016 , 6, 45	5.1	60
115	N-Acetylcysteine treatment of dystrophic mdx mice results in protein thiol modifications and inhibition of exercise induced myofibre necrosis. <i>Neuromuscular Disorders</i> , 2012 , 22, 427-34	2.9	57
114	The contribution of exogenous cells to regenerating skeletal muscle: an isoenzyme study of muscle allografts in mice. <i>Journal of Pathology</i> , 1980 , 132, 325-41	9.4	56
113	Enhancing translation: guidelines for standard pre-clinical experiments in mdx mice. <i>Neuromuscular Disorders</i> , 2012 , 22, 43-9	2.9	55
112	Lean mass, muscle strength and gene expression in community dwelling older men: findings from the Hertfordshire Sarcopenia Study (HSS). <i>Calcified Tissue International</i> , 2014 , 95, 308-16	3.9	48
111	A single 30 min treadmill exercise session is suitable for proof-of concept studies in adult mdx mice: a comparison of the early consequences of two different treadmill protocols. <i>Neuromuscular Disorders</i> , 2012 , 22, 170-82	2.9	48
110	Laminin alpha4 and integrin alpha6 are upregulated in regenerating dy/dy skeletal muscle: comparative expression of laminin and integrin isoforms in muscles regenerating after crush injury. <i>Experimental Cell Research</i> , 2000 , 256, 500-14	4.2	48
109	Molecular analyses provide insight into mechanisms underlying sarcopenia and myofibre denervation in old skeletal muscles of mice. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 53, 174-85	5.6	47
108	Silencing TNFalpha activity by using Remicade or Enbrel blocks inflammation in whole muscle grafts: an in vivo bioassay to assess the efficacy of anti-cytokine drugs in mice. <i>Cell and Tissue Research</i> , 2005 , 320, 509-15	4.2	46
107	Analysis of the callipyge phenotype through skeletal muscle development; association of Dlk1 with muscle precursor cells. <i>Differentiation</i> , 2008 , 76, 283-98	3.5	45
106	Increasing taurine intake and taurine synthesis improves skeletal muscle function in the mdx mouse model for Duchenne muscular dystrophy. <i>Journal of Physiology</i> , 2016 , 594, 3095-110	3.9	44
105	The host environment determines strain-specific differences in the timing of skeletal muscle regeneration: cross-transplantation studies between SJL/J and BALB/c mice. <i>Journal of Anatomy</i> , 1997 , 191 (Pt 4), 585-94	2.9	43
104	Retarded myogenic cell replication in regenerating skeletal muscles of old mice: an autoradiographic study in young and old BALBc and SJL/J mice. <i>Cell and Tissue Research</i> , 1995 , 280, 277-82	4.2	43
103	Interactions between Skeletal Muscle Myoblasts and their Extracellular Matrix Revealed by a Serum Free Culture System. <i>PLoS ONE</i> , 2015 , 10, e0127675	3.7	43

102	Lipid accumulation in dysferlin-deficient muscles. <i>American Journal of Pathology</i> , 2014 , 184, 1668-76	5.8	42
101	Imaging deep skeletal muscle structure using a high-sensitivity ultrathin side-viewing optical coherence tomography needle probe. <i>Biomedical Optics Express</i> , 2013 , 5, 136-48	3.5	41
100	Initiation and duration of myogenic precursor cell replication in transplants of intact skeletal muscles: an autoradiographic study in mice. <i>The Anatomical Record</i> , 1989 , 224, 1-6		41
99	Insulin-like growth factor I slows the rate of denervation induced skeletal muscle atrophy. <i>Neuromuscular Disorders</i> , 2005 , 15, 139-46	2.9	40
98	Quantitation of muscle precursor cell activity in skeletal muscle by Northern analysis of MyoD and myogenin expression: Application to dystrophic (mdx) mouse muscle. <i>Molecular and Cellular Neurosciences</i> , 1992 , 3, 326-31	4.8	40
97	Intrinsic differences in MyoD and myogenin expression between primary cultures of SJL/J and BALB/C skeletal muscle. <i>Experimental Cell Research</i> , 1994 , 211, 99-107	4.2	39
96	Differential thiol oxidation of the signaling proteins Akt, PTEN or PP2A determines whether Akt phosphorylation is enhanced or inhibited by oxidative stress in C2C12 myotubes derived from skeletal muscle. <i>International Journal of Biochemistry and Cell Biology</i> , 2015 , 62, 72-9	5.6	37
95	Dystropathology increases energy expenditure and protein turnover in the mdx mouse model of duchenne muscular dystrophy. <i>PLoS ONE</i> , 2014 , 9, e89277	3.7	37
94	Muscle-specific overexpression of IGF-I improves E-C coupling in skeletal muscle fibers from dystrophic mdx mice. <i>American Journal of Physiology - Cell Physiology</i> , 2008 , 294, C161-8	5.4	37
93	Skeletal muscle regeneration after crush injury in dystrophic mdx mice: an autoradiographic study. <i>Muscle and Nerve</i> , 1992 , 15, 580-6	3.4	37
92	Skeletal muscle degeneration and regeneration in mice and flies. <i>Current Topics in Developmental Biology</i> , 2014 , 108, 247-81	5.3	36
91	Taurine deficiency, synthesis and transport in the mdx mouse model for Duchenne Muscular Dystrophy. <i>International Journal of Biochemistry and Cell Biology</i> , 2015 , 66, 141-8	5.6	35
90	The need to more precisely define aspects of skeletal muscle regeneration. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 56, 56-65	5.6	35
89	Treating muscular dystrophy with stem cells?. <i>Cell</i> , 2006 , 127, 1304-6	56.2	35
88	Myoblast structure affects subsequent skeletal myotube morphology and sarcomere assembly. <i>Experimental Cell Research</i> , 2003 , 291, 435-50	4.2	34
87	Measurement of sub-membrane [Ca ²⁺] in adult myofibers and cytosolic [Ca ²⁺] in myotubes from normal and mdx mice using the Ca ²⁺ indicator FFP-18. <i>Cell Calcium</i> , 2006 , 40, 299-307	4	33
86	Biomarkers for Duchenne muscular dystrophy: myonecrosis, inflammation and oxidative stress. <i>DMM Disease Models and Mechanisms</i> , 2020 , 13,	4.1	33
85	High mTORC1 signaling is maintained, while protein degradation pathways are perturbed in old murine skeletal muscles in the fasted state. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 78, 10-21	5.6	32

84	Growing muscle has different sarcolemmal properties from adult muscle: a proposal with scientific and clinical implications: reasons to reassess skeletal muscle molecular dynamics, cellular responses and suitability of experimental models of muscle disorders. <i>BioEssays</i> , 2011 , 33, 458-68	4.1	31
83	Innate inflammatory cells are not responsible for early death of donor myoblasts after myoblast transfer therapy. <i>Transplantation</i> , 2004 , 77, 1790-7	1.8	31
82	A Potential Alternative Strategy for Myoblast Transfer Therapy: The use of Sliced Muscle Grafts. <i>Cell Transplantation</i> , 1996 , 5, 421-429	4	31
81	Pre-clinical evaluation of N-acetylcysteine reveals side effects in the mdx mouse model of Duchenne muscular dystrophy. <i>Journal of Physiology</i> , 2017 , 595, 7093-7107	3.9	28
80	Early regeneration of whole skeletal muscle grafts is unaffected by overexpression of IGF-1 in MLC/miGF-1 transgenic mice. <i>Journal of Histochemistry and Cytochemistry</i> , 2004 , 52, 873-83	3.4	28
79	Myogenic cell replication in minced skeletal muscle isografts of Swiss and BALBc mice. <i>Muscle and Nerve</i> , 1990 , 13, 305-13	3.4	28
78	The long and short of non-coding RNAs during post-natal growth and differentiation of skeletal muscles: Focus on lncRNA and miRNAs. <i>Differentiation</i> , 2016 , 92, 237-248	3.5	27
77	Leukaemia inhibitory factor increases myoblast replication and survival and affects extracellular matrix production: combined in vivo and in vitro studies in post-natal skeletal muscle. <i>Cell and Tissue Research</i> , 2001 , 306, 129-41	4.2	27
76	Therapies for sarcopenia and regeneration of old skeletal muscles: more a case of old tissue architecture than old stem cells. <i>Bioarchitecture</i> , 2014 , 4, 81-7		26
75	Selective modulation through the glucocorticoid receptor ameliorates muscle pathology in mdx mice. <i>Journal of Pathology</i> , 2013 , 231, 223-35	9.4	26
74	Quantification of ceroid and lipofuscin in skeletal muscle. <i>Journal of Histochemistry and Cytochemistry</i> , 2011 , 59, 769-79	3.4	26
73	A role for natural killer cells in the rapid death of cultured donor myoblasts after transplantation. <i>Transplantation</i> , 2003 , 75, 863-71	1.8	26
72	Treatment with the cysteine precursor l-2-oxothiazolidine-4-carboxylate (OTC) implicates taurine deficiency in severity of dystropathology in mdx mice. <i>International Journal of Biochemistry and Cell Biology</i> , 2013 , 45, 2097-108	5.6	25
71	Screening for increased protein thiol oxidation in oxidatively stressed muscle tissue. <i>Free Radical Research</i> , 2011 , 45, 991-9	4	25
70	The allure of stem cell therapy for muscular dystrophy. <i>Neuromuscular Disorders</i> , 2007 , 17, 206-8	2.9	25
69	Myogenic cells of regenerating adult chicken muscle can fuse into myotubes after a single cell division in vivo. <i>Experimental Cell Research</i> , 1989 , 180, 429-39	4.2	25
68	Enhancement of neovascularization in regenerating skeletal muscle by the sustained release of erucamide from a polymer matrix. <i>Journal of Biomaterials Applications</i> , 1996 , 10, 230-49	2.9	24
67	A Neurogenic Perspective of Sarcopenia: Time Course Study of Sciatic Nerves From Aging Mice. <i>Journal of Neuropathology and Experimental Neurology</i> , 2016 , 75, 464-78	3.1	24

66	Levels of inflammation and oxidative stress, and a role for taurine in dystrotopathology of the Golden Retriever Muscular Dystrophy dog model for Duchenne Muscular Dystrophy. <i>Redox Biology</i> , 2016 , 9, 276-286	11.3	24
65	The absence of MyoD in regenerating skeletal muscle affects the expression pattern of basement membrane, interstitial matrix and integrin molecules that is consistent with delayed myotube formation. <i>Acta Histochemica</i> , 2001 , 103, 379-96	2	22
64	The timing between skeletal muscle myoblast replication and fusion into myotubes, and the stability of regenerated dystrophic myofibres: an autoradiographic study in mdx mice. <i>Journal of Anatomy</i> , 1999 , 194 (Pt 2), 287-95	2.9	22
63	Macrophage Depletion in Elderly Mice Improves Response to Tumor Immunotherapy, Increases Anti-tumor T Cell Activity and Reduces Treatment-Induced Cachexia. <i>Frontiers in Genetics</i> , 2018 , 9, 526	4.5	22
62	IGF1 stimulates greater muscle hypertrophy in the absence of myostatin in male mice. <i>Journal of Endocrinology</i> , 2017 , 234, 187-200	4.7	21
61	Silk fibroin scaffolds with muscle-like elasticity support in vitro differentiation of human skeletal muscle cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 3178-3192	4.4	21
60	Identification of muscle necrosis in the mdx mouse model of Duchenne muscular dystrophy using three-dimensional optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2011 , 16, 076013	3.5	21
59	Reutilisation of tritiated thymidine in studies of regenerating skeletal muscle. <i>Cell and Tissue Research</i> , 1987 , 250, 141-8	4.2	21
58	Complexity of Extracellular Matrix and Skeletal Muscle Regeneration 2008 , 269-302		21
57	Superior survival and proliferation after transplantation of myoblasts obtained from adult mice compared with neonatal mice. <i>Transplantation</i> , 2004 , 78, 1172-6	1.8	20
56	Adeno-associated virus-mediated vascular endothelial growth factor gene therapy in skeletal muscle before transplantation promotes revascularization of regenerating muscle. <i>Tissue Engineering</i> , 2002 , 8, 879-91		20
55	Enhanced migration and fusion of donor myoblasts in dystrophic and normal host muscle. <i>Muscle and Nerve</i> , 2000 , 23, 560-74	3.4	20
54	The genotype of bone marrow-derived inflammatory cells does not account for differences in skeletal muscle regeneration between SJL/J and BALB/c mice. <i>Cell and Tissue Research</i> , 1995 , 280, 407-13	4.2	20
53	Article Commentary: Commentary on the Present State of Knowledge for Myoblast Transfer Therapy. <i>Cell Transplantation</i> , 1996 , 5, 431-433	4	20
52	The role of p53 in vivo during skeletal muscle post-natal development and regeneration: studies in p53 knockout mice. <i>International Journal of Developmental Biology</i> , 2002 , 46, 577-82	1.9	20
51	Short-term feed deprivation rapidly induces the protein degradation pathway in skeletal muscles of young mice. <i>Journal of Nutrition</i> , 2013 , 143, 403-9	4.1	18
50	Irradiation of dystrophic host tissue prior to myoblast transfer therapy enhances initial (but not long-term) survival of donor myoblasts. <i>Journal of Cell Science</i> , 2003 , 116, 4131-46	5.3	18
49	Quantitative assessment of muscle damage in the mdx mouse model of Duchenne muscular dystrophy using polarization-sensitive optical coherence tomography. <i>Journal of Applied Physiology</i> , 2013 , 115, 1393-401	3.7	17

48	Optical coherence tomography can assess skeletal muscle tissue from mouse models of muscular dystrophy by parametric imaging of the attenuation coefficient. <i>Biomedical Optics Express</i> , 2014 , 5, 1217-1232	3.5	16
47	A potential alternative strategy for myoblast transfer therapy: the use of sliced muscle grafts. <i>Cell Transplantation</i> , 1996 , 5, 421-9	4	16
46	Muscle precursor replication after repeated regeneration of skeletal muscle in mice. <i>Anatomy and Embryology</i> , 1989 , 180, 471-8		16
45	Mouse models for muscular dystrophies: an overview. <i>DMM Disease Models and Mechanisms</i> , 2020 , 13,	4.1	16
44	Insulin-like growth factor-1 overexpression in cardiomyocytes diminishes ex vivo heart functional recovery after acute ischemia. <i>Cardiovascular Pathology</i> , 2012 , 21, 17-27	3.8	15
43	Complement and myoblast transfer therapy: donor myoblast survival is enhanced following depletion of host complement C3 using cobra venom factor, but not in the absence of C5. <i>Immunology and Cell Biology</i> , 2001 , 79, 231-9	5	15
42	Absence of MyoD increases donor myoblast migration into host muscle. <i>Experimental Cell Research</i> , 2001 , 267, 267-74	4.2	15
41	Obstacles and challenges for tissue engineering and regenerative medicine: Australian nuances. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2018 , 45, 390-400	3	15
40	Increased taurine in pre-weaned juvenile mdx mice greatly reduces the acute onset of myofibre necrosis and dystrotopathology and prevents inflammation. <i>PLOS Currents</i> , 2016 , 8,		14
39	The different impact of a high fat diet on dystrophic mdx and control C57Bl/10 mice. <i>PLOS Currents</i> , 2011 , 3, RRN1276		14
38	MicroRNA expression patterns in post-natal mouse skeletal muscle development. <i>BMC Genomics</i> , 2017 , 18, 52	4.5	13
37	Therapeutic Interventions for Age-related Muscle Wasting 2003 , 139-166		13
36	MicroRNA and Long Non-coding RNA Regulation in Skeletal Muscle From Growth to Old Age Shows Striking Dysregulation of the Callipyge Locus. <i>Frontiers in Genetics</i> , 2018 , 9, 548	4.5	13
35	Visualizing and quantifying oxidized protein thiols in tissue sections: a comparison of dystrophic mdx and normal skeletal mouse muscles. <i>Free Radical Biology and Medicine</i> , 2013 , 65, 1408-1416	7.8	11
34	Use of pifithrin to inhibit p53-mediated signalling of TNF in dystrophic muscles of mdx mice. <i>Molecular and Cellular Biochemistry</i> , 2010 , 337, 119-31	4.2	11
33	Dysferlin deficiency alters lipid metabolism and remodels the skeletal muscle lipidome in mice. <i>Journal of Lipid Research</i> , 2019 , 60, 1350-1364	6.3	10
32	Beneficial effects of high dose taurine treatment in juvenile dystrophic mdx mice are offset by growth restriction. <i>PLoS ONE</i> , 2017 , 12, e0187317	3.7	10
31	Improving translatability of preclinical studies for neuromuscular disorders: lessons from the TREAT-NMD Advisory Committee for Therapeutics (TACT). <i>DMM Disease Models and Mechanisms</i> , 2020 , 13,	4.1	10

30	The physiological effects of IGF-1 (class 1: Ea transgene) over-expression on exercise-induced damage and adaptation in dystrophic muscles of mdx mice. <i>Pflugers Archiv European Journal of Physiology</i> , 2009 , 457, 1121-32	4.6	9
29	Three-dimensional optical coherence tomography of whole-muscle autografts as a precursor to morphological assessment of muscular dystrophy in mice. <i>Journal of Biomedical Optics</i> , 2008 , 13, 011003 ³⁻⁵		9
28	Age-related loss of VGLUT1 excitatory, but not VGAT inhibitory, immunoreactive terminals on motor neurons in spinal cords of old sarcopenic male mice. <i>Biogerontology</i> , 2018 , 19, 385-399	4.5	8
27	Protein thiol oxidation does not change in skeletal muscles of aging female mice. <i>Biogerontology</i> , 2014 , 15, 87-98	4.5	8
26	Myoblast transfer therapy in the new millennium. <i>Cell Transplantation</i> , 2000 , 9, 485-7	4	8
25	Improved chimaeric mouse model confirms that resident peritoneal macrophages are derived solely from bone marrow precursors. <i>Journal of Pathology</i> , 1984 , 144, 81-7	9.4	8
24	Can cells extruded from denervated skeletal muscle become circulating potential myoblasts? Implications of 3H-thymidine reutilization in regenerating muscle. <i>Cell and Tissue Research</i> , 1985 , 242, 25-32	4.2	8
23	Resistance wheel exercise from mid-life has minimal effect on sciatic nerves from old mice in which sarcopenia was prevented. <i>Biogerontology</i> , 2017 , 18, 769-790	4.5	7
22	Dysferlin-deficiency has greater impact on function of slow muscles, compared with fast, in aged BLAJ mice. <i>PLoS ONE</i> , 2019 , 14, e0214908	3.7	7
21	An evaluation of leukaemia inhibitory factor as a potential therapeutic agent in the treatment of muscle disease. <i>Neuromuscular Disorders</i> , 2002 , 12, 909-16	2.9	7
20	Regeneration of Muscle 2011 ,		6
19	The development of fibre types in grafts of a slow tonic avian muscle, the dorsocutaneous latissimus dorsi. <i>Cell Differentiation</i> , 1986 , 19, 207-24		6
18	Expression patterns of regulatory RNAs, including lncRNAs and tRNAs, during postnatal growth of normal and dystrophic (mdx) mouse muscles, and their response to taurine treatment. <i>International Journal of Biochemistry and Cell Biology</i> , 2018 , 99, 52-63	5.6	5
17	Harnessing the therapeutic potential of myogenic stem cells. <i>Cytotechnology</i> , 2003 , 41, 153-64	2.2	5
16	The proliferation and fusion of myoblasts in vivo. <i>Advances in Experimental Medicine and Biology</i> , 1990 , 280, 101-4; discussion 104-6	3.6	5
15	Muscle-derived stem cells: implications for effective myoblast transfer therapy. <i>IUBMB Life</i> , 2005 , 57, 731-6	4.7	4
14	Implications of increased S100 β and Tau5 proteins in dystrophic nerves of two mdx mouse models for Duchenne muscular dystrophy. <i>Molecular and Cellular Neurosciences</i> , 2020 , 105, 103484	4.8	3
13	Strategies to Reduce Age-Related Skeletal Muscle Wasting 2005 , 63-84		3

12	Role of IGF-1 in Age-Related Loss of Skeletal Muscle Mass and Function 2011 , 393-418		3
11	Oxidative damage to urinary proteins from the GRMD dog and mdx mouse as biomarkers of dystropathology in Duchenne muscular dystrophy. <i>PLoS ONE</i> , 2020 , 15, e0240317	3.7	3
10	227 ENMC International Workshop:: Finalizing a plan to guarantee quality in translational research for neuromuscular diseases Heemskerk, Netherlands, 10-11 February 2017. <i>Neuromuscular Disorders</i> , 2018 , 28, 185-192	2.9	3
9	Retarded myogenic cell replication in regenerating skeletal muscles of old mice: an autoradiographic study in young and old BALBc and SJL/J mice 1995 , 280, 277		2
8	Dystrophic Dmd rats show early neuronal changes (increased S100 β and Tau5) at 8 months, supporting severe dystropathology in this rodent model of Duchenne muscular dystrophy. <i>Molecular and Cellular Neurosciences</i> , 2020 , 108, 103549	4.8	2
7	The genotype of bone marrow-derived inflammatory cells does not account for differences in skeletal muscle regeneration between SJL/J and BALB/c mice 1995 , 280, 407		1
6	Rapid death of injected myoblasts in myoblast transfer therapy 1996 , 19, 853		1
5	Ageing contributes to phenotype transition in a mouse model of periodic paralysis.. <i>JCSM Rapid Communications</i> , 2021 , 4, 245-259	2.6	0
4	Factors Controlling Movement of Skeletal Muscles. <i>Leonardo</i> , 2015 , 48, 270-271	0.1	
3	Reply from Gavin J. Pinniger, Jessica R. Terrill, Miranda D. Grounds and Peter G. Arthur. <i>Journal of Physiology</i> , 2018 , 596, 739	3.9	
2	Myogenic precursor cells20-36		
1	IGF-I improves excitation-contraction coupling in skeletal muscle fibers of dystrophic mdx mice. <i>FASEB Journal</i> , 2007 , 21, A1357	0.9	