

# Miranda D Grounds

## List of Publications by Year in descending order

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159  
papers

8,599  
citations

36203

51  
h-index

56606

83  
g-index

166  
all docs

166  
docs citations

166  
times ranked

7690  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.1	286
2	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.	1.5	280
3	Rapid death of injected myoblasts in myoblast transfer therapy. , 1996, 19, 853-860.		240
4	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.	1.8	234
5	New horizons in the pathogenesis, diagnosis and management of sarcopenia. <i>Age and Ageing</i> , 2013, 42, 145-150.	0.7	230
6	Anti- $\text{TNF}\alpha$ (Remicade <sup>®</sup> ) therapy protects dystrophic skeletal muscle from necrosis. <i>FASEB Journal</i> , 2004, 18, 676-682.	0.2	215
7	Reduced necrosis of dystrophic muscle by depletion of host neutrophils, or blocking $\text{TNF}\alpha$ function with Etanercept in mdx mice. <i>Neuromuscular Disorders</i> , 2006, 16, 591-602.	0.3	192
8	The Role of Stem Cells in Skeletal and Cardiac Muscle Repair. <i>Journal of Histochemistry and Cytochemistry</i> , 2002, 50, 589-610.	1.3	191
9	Evidence of fusion between host and donor myoblasts in skeletal muscle grafts. <i>Nature</i> , 1978, 273, 306-308.	13.7	189
10	Striking Denervation of Neuromuscular Junctions without Lumbar Motoneuron Loss in Geriatric Mouse Muscle. <i>PLoS ONE</i> , 2011, 6, e28090.	1.1	172
11	Age-related changes in replication of myogenic cells in mdx mice: Quantitative autoradiographic studies. <i>Journal of the Neurological Sciences</i> , 1993, 119, 169-179.	0.3	149
12	The Role of Tumor Necrosis Factor-alpha ( $\text{TNF}\alpha$ ) in Skeletal Muscle Regeneration. <i>Journal of Histochemistry and Cytochemistry</i> , 2001, 49, 989-1001.	1.3	148
13	Initiation and duration of muscle precursor replication after mild and severe injury to skeletal muscle of mice. <i>Cell and Tissue Research</i> , 1987, 248, 125-130.	1.5	145
14	Reasons for the degeneration of ageing skeletal muscle: a central role for IGF-1 signalling. <i>Biogerontology</i> , 2002, 3, 19-24.	2.0	144
15	Why Do Cultured Transplanted Myoblasts Die in Vivo? DNA Quantification Shows Enhanced Survival of Donor Male Myoblasts in Host Mice Depleted of $\text{CD4}^+$ and $\text{CD8}^+$ Cells or $\text{NK1.1}^+$ Cells. <i>Cell Transplantation</i> , 2000, 9, 489-502.	1.2	142
16	Oxidative stress and pathology in muscular dystrophies: focus on protein thiol oxidation and dysferlinopathies. <i>FEBS Journal</i> , 2013, 280, 4149-4164.	2.2	140
17	Targeting macrophages rescues age-related immune deficiencies in $\text{C57BL/6J}$ geriatric mice. <i>Aging Cell</i> , 2013, 12, 345-357.	3.0	133
18	Molecular and cell biology of skeletal muscle regeneration. , 1993, 3, 210-256.		132

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19	Reconciling data from transgenic mice that overexpress IGF-I specifically in skeletal muscle. <i>Growth Hormone and IGF Research</i> , 2005, 15, 4-18.	0.5	124
20	Expression of Laminin $\hat{1}\pm 1$ , $\hat{1}\pm 2$ , $\hat{1}\pm 4$ , and $\hat{1}\pm 5$ Chains, Fibronectin, and Tenascin-C in Skeletal Muscle of Dystrophic 129ReJdy/dyMice. <i>Experimental Cell Research</i> , 1999, 246, 165-182.	1.2	118
21	Macrophages and dendritic cells in normal and regenerating murine skeletal muscle. <i>Muscle and Nerve</i> , 1997, 20, 158-166.	1.0	117
22	Delayed but excellent myogenic stem cell response of regenerating geriatric skeletal muscles in mice. <i>Biogerontology</i> , 2010, 11, 363-376.	2.0	117
23	Muscle regeneration: molecular aspects and therapeutic implications. <i>Current Opinion in Neurology</i> , 1999, 12, 535-543.	1.8	114
24	Targeted expression of insulin-like growth factor-i reduces early myofiber necrosis in dystrophic mdx mice. <i>Molecular Therapy</i> , 2004, 10, 829-843.	3.7	103
25	Cromolyn administration (to block mast cell degranulation) reduces necrosis of dystrophic muscle in mdx mice. <i>Neurobiology of Disease</i> , 2006, 23, 387-397.	2.1	99
26	Direct evidence that inflammatory multinucleate giant cells form by fusion. <i>Journal of Pathology</i> , 1982, 137, 177-180.	2.1	96
27	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, 159-166.	1.5	95
28	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.	2.1	89
29	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.	1.9	87
30	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, 1531-1543.	1.3	83
31	Of bears, frogs, meat, mice and men: complexity of factors affecting skeletal muscle mass and fat. <i>BioEssays</i> , 2006, 28, 994-1009.	1.2	82
32	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, 408-416.	1.3	82
33	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, 169-179.	1.2	81
34	Reduced muscle necrosis and long-term benefits in dystrophic mdx mice after cV1q (blockade of TNF) treatment. <i>Neuromuscular Disorders</i> , 2008, 18, 227-238.	0.3	80
35	A growth stimulus is needed for IGF-1 to induce skeletal muscle hypertrophy in vivo. <i>Journal of Cell Science</i> , 2010, 123, 960-971.	1.2	77
36	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, 846-851.	0.9	76

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37	Immunobiology and the Future of Myoblast Transfer Therapy. <i>Molecular Therapy</i> , 2000, 1, 304-313.	3.7	74
38	Biomarkers for Duchenne muscular dystrophy: myonecrosis, inflammation and oxidative stress. <i>DMM Disease Models and Mechanisms</i> , 2020, 13, dmm043638.	1.2	74
39	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, 174-185.	1.2	72
40	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, 427-434.	0.3	69
41	Enhancing translation: Guidelines for standard pre-clinical experiments in mdx mice. <i>Neuromuscular Disorders</i> , 2012, 22, 43-49.	0.3	67
42	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, 308-316.	1.5	66
43	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.	0.5	65
44	Problems and solutions in myoblast transfer therapy. <i>Journal of Cellular and Molecular Medicine</i> , 2001, 5, 33-47.	1.6	65
45	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, 379-393.	1.2	63
46	Interactions between Skeletal Muscle Myoblasts and their Extracellular Matrix Revealed by a Serum Free Culture System. <i>PLoS ONE</i> , 2015, 10, e0127675.	1.1	63
47	Lipid Accumulation in Dysferlin-Deficient Muscles. <i>American Journal of Pathology</i> , 2014, 184, 1668-1676.	1.9	59
48	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, 3095-3110.	1.3	57
49	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.	1.0	57
50	The contribution of exogenous cells to regenerating skeletal muscle : An isoenzyme study of muscle allografts in mice. <i>Journal of Pathology</i> , 1980, 132, 325-341.	2.1	56
51	Analysis of the callipyge phenotype through skeletal muscle development; association of Dlk1 with muscle precursor cells. <i>Differentiation</i> , 2008, 76, 283-298.	1.0	56
52	A single 30min 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, 170-182.	0.3	56
53	The need to more precisely define aspects of skeletal muscle regeneration. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 56, 56-65.	1.2	56
54	Laminin $\alpha 4$ and Integrin $\beta 6$ 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, 500-514.	1.2	52

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55	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, 72-79.	1.2	51
56	Silencing TNF $\alpha$ 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, 509-515.	1.5	49
57	Dystroptology Increases Energy Expenditure and Protein Turnover in the Mdx Mouse Model of Duchenne Muscular Dystrophy. <i>PLoS ONE</i> , 2014, 9, e89277.	1.1	49
58	Imaging deep skeletal muscle structure using a high-sensitivity ultrathin side-viewing optical coherence tomography needle probe. <i>Biomedical Optics Express</i> , 2014, 5, 136.	1.5	48
59	Skeletal Muscle Degeneration and Regeneration in Mice and Flies. <i>Current Topics in Developmental Biology</i> , 2014, 108, 247-281.	1.0	47
60	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, 141-148.	1.2	47
61	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.	1.2	46
62	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, 277-282.	1.5	45
63	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, 326-331.	1.0	44
64	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, 585-594.	0.9	44
65	Insulin-like growth factor I slows the rate of denervation induced skeletal muscle atrophy. <i>Neuromuscular Disorders</i> , 2005, 15, 139-146.	0.3	44
66	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.	2.3	43
67	Myoblast structure affects subsequent skeletal myotube morphology and sarcomere assembly. <i>Experimental Cell Research</i> , 2003, 291, 435-450.	1.2	43
68	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.	1.1	42
69	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.	1.2	41
70	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-C168.	2.1	41
71	Levels of inflammation and oxidative stress, and a role for taurine in dystroptology of the Golden Retriever Muscular Dystrophy dog model for Duchenne Muscular Dystrophy. <i>Redox Biology</i> , 2016, 9, 276-286.	3.9	41
72	Skeletal muscle regeneration after crush injury in dystrophic mdx mice: An autoradiographic study. <i>Muscle and Nerve</i> , 1992, 15, 580-586.	1.0	38

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73	Treating Muscular Dystrophy with Stem Cells?. Cell, 2006, 127, 1304-1306.	13.5	38
74	Therapies for sarcopenia and regeneration of old skeletal muscles. Bioarchitecture, 2014, 4, 81-87.	1.5	38
75	IGF1 stimulates greater muscle hypertrophy in the absence of myostatin in male mice. Journal of Endocrinology, 2017, 234, 187-200.	1.2	38
76	Pre-clinical evaluation of N-acetylcysteine reveals side effects in the mdx mouse model of Duchenne muscular dystrophy. Journal of Physiology, 2017, 595, 7093-7107.	1.3	36
77	Measurement of sub-membrane [Ca <sup>2+</sup> ] in adult myofibers and cytosolic [Ca <sup>2+</sup> ] in myotubes from normal and mdx mice using the Ca <sup>2+</sup> indicator FFP-18. Cell Calcium, 2006, 40, 299-307.	1.1	34
78	INNATE INFLAMMATORY CELLS ARE NOT RESPONSIBLE FOR EARLY DEATH OF DONOR MYOBLASTS AFTER MYOBLAST TRANSFER THERAPY. Transplantation, 2004, 77, 1790-1797.	0.5	33
79	Growing muscle has different sarcolemmal properties from adult muscle: A proposal with scientific and clinical implications. BioEssays, 2011, 33, 458-468.	1.2	33
80	Screening for increased protein thiol oxidation in oxidatively stressed muscle tissue. Free Radical Research, 2011, 45, 991-999.	1.5	33
81	Quantification of Ceroid and Lipofuscin in Skeletal Muscle. Journal of Histochemistry and Cytochemistry, 2011, 59, 769-779.	1.3	33
82	Myogenic cell replication in minced skeletal muscle isografts of Swiss and BALBc mice. Muscle and Nerve, 1990, 13, 305-313.	1.0	32
83	A Potential Alternative Strategy for Myoblast Transfer Therapy: The use of Sliced Muscle Grafts. Cell Transplantation, 1996, 5, 421-429.	1.2	32
84	Selective modulation through the glucocorticoid receptor ameliorates muscle pathology in mdx mice. Journal of Pathology, 2013, 231, 223-235.	2.1	31
85	Silk fibroin scaffolds with muscle-like elasticity support in vitro differentiation of human skeletal muscle cells. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 3178-3192.	1.3	31
86	Complexity of Extracellular Matrix and Skeletal Muscle Regeneration. , 2008, , 269-302.		31
87	Obstacles and challenges for tissue engineering and regenerative medicine: Australian nuances. Clinical and Experimental Pharmacology and Physiology, 2018, 45, 390-400.	0.9	30
88	Mouse models for muscular dystrophies: an overview. DMM Disease Models and Mechanisms, 2020, 13, dmm043562.	1.2	30
89	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. Cell and Tissue Research, 2001, 306, 129-141.	1.5	29
90	Treatment with the cysteine precursor l-2-oxothiazolidine-4-carboxylate (OTC) implicates taurine deficiency in severity of dystropathology in mdx mice. International Journal of Biochemistry and Cell Biology, 2013, 45, 2097-2108.	1.2	29

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91	A Neurogenic Perspective of Sarcopenia: Time Course Study of Sciatic Nerves From Aging Mice. <i>Journal of Neuropathology and Experimental Neurology</i> , 2016, 75, 464-478.	0.9	29
92	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, 873-883.	1.3	28
93	Enhancement of Neovascularization in Regenerating Skeletal Muscle by the Sustained Release of Eruamide from a Polymer Matrix. <i>Journal of Biomaterials Applications</i> , 1996, 10, 230-249.	1.2	27
94	A role for natural killer cells in the rapid death of cultured donor myoblasts after transplantation. <i>Transplantation</i> , 2003, 75, 863-871.	0.5	27
95	The allure of stem cell therapy for muscular dystrophy. <i>Neuromuscular Disorders</i> , 2007, 17, 206-208.	0.3	27
96	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.	1.4	27
97	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, 429-439.	1.2	25
98	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, 379-396.	0.9	25
99	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, 1393-1401.	1.2	25
100	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.	1.5	25
101	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, 287-295.	0.9	24
102	Reutilisation of tritiated thymidine in studies of regenerating skeletal muscle. <i>Cell and Tissue Research</i> , 1987, 250, 141-148.	1.5	22
103	Article Commentary: Commentary on the Present State of Knowledge for Myoblast Transfer Therapy. <i>Cell Transplantation</i> , 1996, 5, 431-433.	1.2	22
104	Short-Term Feed Deprivation Rapidly Induces the Protein Degradation Pathway in Skeletal Muscles of Young Mice. <i>Journal of Nutrition</i> , 2013, 143, 403-409.	1.3	22
105	Dysferlin deficiency alters lipid metabolism and remodels the skeletal muscle lipidome in mice. <i>Journal of Lipid Research</i> , 2019, 60, 1350-1364.	2.0	22
106	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.	0.3	22
107	Enhanced migration and fusion of donor myoblasts in dystrophic and normal host muscle. , 2000, 23, 560-574.		21
108	MicroRNA expression patterns in post-natal mouse skeletal muscle development. <i>BMC Genomics</i> , 2017, 18, 52.	1.2	21

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109	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.	1.1	21
110	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, 407-413.	1.5	20
111	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, 879-891.	4.9	20
112	Superior Survival and Proliferation after Transplantation of Myoblasts Obtained from Adult Mice Compared with Neonatal Mice. <i>Transplantation</i> , 2004, 78, 1172-1176.	0.5	20
113	The different impact of a high fat diet on dystrophic mdx and control C57Bl/10 mice.. <i>PLOS Currents</i> , 2011, 3, RRN1276.	1.4	20
114	A potential alternative strategy for myoblast transfer therapy: The use of sliced muscle grafts. <i>Cell Transplantation</i> , 1996, 5, 421-429.	1.2	19
115	Irradiation of dystrophic host tissue prior to myoblast transfer therapy enhances initial (but not) Tj ETQq1 1 0.784314 rgBT /Overlock 19	1.2	19
116	[MD-16-0004R1] 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, .	1.4	19
117	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, .	1.2	18
118	Beneficial effects of high dose taurine treatment in juvenile dystrophic mdx mice are offset by growth restriction. <i>PLoS ONE</i> , 2017, 12, e0187317.	1.1	18
119	Muscle precursor replication after repeated regeneration of skeletal muscle in mice. <i>Anatomy and Embryology</i> , 1989, 180, 471-478.	1.5	17
120	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, 231-239.	1.0	17
121	Absence of MyoD Increases Donor Myoblast Migration into Host Muscle. <i>Experimental Cell Research</i> , 2001, 267, 267-274.	1.2	16
122	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.	0.7	16
123	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.	1.3	15
124	Use of pifithrin to inhibit p53-mediated signalling of TNF in dystrophic muscles of mdx mice. <i>Molecular and Cellular Biochemistry</i> , 2010, 337, 119-131.	1.4	14
125	Dysferlin-deficiency has greater impact on function of slow muscles, compared with fast, in aged BLA/J mice. <i>PLoS ONE</i> , 2019, 14, e0214908.	1.1	13
126	Therapeutic Interventions for Age-related Muscle Wasting. , 2003, , 139-166.		13



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127	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.	1.4	12
128	Protein thiol oxidation does not change in skeletal muscles of aging female mice. <i>Biogerontology</i> , 2014, 15, 87-98.	2.0	12
129	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.	2.0	12
130	A decade of optimizing drug development for rare neuromuscular disorders through TACT. <i>Nature Reviews Drug Discovery</i> , 2020, 19, 1-2.	21.5	12
131	Improved chimaeric mouse model confirms that resident peritoneal macrophages are derived solely from bone marrow precursors. <i>Journal of Pathology</i> , 1984, 144, 81-87.	2.1	10
132	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.	1.2	10
133	Cilia, Centrosomes and Skeletal Muscle. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9605.	1.8	10
134	Can cells extruded from denervated skeletal muscle become circulating potential myoblasts?. <i>Cell and Tissue Research</i> , 1985, 242, 25-32.	1.5	9
135	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, 1121-1132.	1.3	9
136	Myoblast Transfer Therapy in the New Millennium. <i>Cell Transplantation</i> , 2000, 9, 485-487.	1.2	8
137	An evaluation of leukaemia inhibitory factor as a potential therapeutic agent in the treatment of muscle disease. <i>Neuromuscular Disorders</i> , 2002, 12, 909-916.	0.3	7
138	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.	2.0	7
139	The development of fibre types in grafts of a slow tonic avian muscle, the dorsocutaneous latissimus dorsi. <i>Cell Differentiation</i> , 1986, 19, 207-224.	1.3	6
140	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.	1.1	6
141	A Blood Biomarker for Duchenne Muscular Dystrophy Shows That Oxidation State of Albumin Correlates with Protein Oxidation and Damage in Mdx Muscle. <i>Antioxidants</i> , 2021, 10, 1241.	2.2	6
142	The Proliferation and Fusion of Myoblasts In Vivo. <i>Advances in Experimental Medicine and Biology</i> , 1990, 280, 101-106.	0.8	6
143	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, 277-282.	1.5	6
144	Harnessing the therapeutic potential of myogenic stem cells. <i>Cytotechnology</i> , 2003, 41, 153-164.	0.7	5

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145	Muscle-derived stem cells: Implications for effective myoblast transfer therapy. IUBMB Life, 2005, 57, 731-736.	1.5	5
146	227 th ENMC International Workshop:. Neuromuscular Disorders, 2018, 28, 185-192.	0.3	5
147	Implications of increased S100 $\beta$ and Tau5 proteins in dystrophic nerves of two mdx mouse models for Duchenne muscular dystrophy. Molecular and Cellular Neurosciences, 2020, 105, 103484.	1.0	5
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