Elizabeth M Mcnally

List of Publications by Citations

294 papers	14,779 citations	67 h-index	112 g-index
342 ext. papers	17,008 ext. citations	9.7 avg, IF	6.62 L-index

#	Paper	IF	Citations
294	The ubiquitin-modifying enzyme A20 is required for termination of Toll-like receptor responses. *Nature Immunology*, **2004**, 5, 1052-60	19.1	899
293	Mutations in the dystrophin-associated protein gamma-sarcoglycan in chromosome 13 muscular dystrophy. *Science*, **1995**, 270, 819-22	33.3	469
292	Myosin subfragment-1 is sufficient to move actin filaments in vitro. *Nature*, **1987**, 328, 536-9	50.4	456
291	Beta-sarcoglycan (A3b) mutations cause autosomal recessive muscular dystrophy with loss of the sarcoglycan complex. *Nature Genetics*, **1995**, 11, 266-73	36.3	405
290	The dystrophin glycoprotein complex: signaling strength and integrity for the sarcolemma. *Circulation Research*, **2004**, 94, 1023-31	15.7	369
289	Dilated Cardiomyopathy: Genetic Determinants and Mechanisms. *Circulation Research*, **2017**, 121, 731-748	15.7	306
288	Genetic mutations and mechanisms in dilated cardiomyopathy. *Journal of Clinical Investigation*, **2013**, 123, 19-26	15.9	293
287	Gamma-sarcoglycan deficiency leads to muscle membrane defects and apoptosis independent of dystrophin. *Journal of Cell Biology*, **1998**, 142, 1279-87	7.3	245
286	Mechanisms of muscle degeneration, regeneration, and repair in the muscular dystrophies. *Annual Review of Physiology*, **2009**, 71, 37-57	23.1	233
285	Filamin 2 (FLN2): A muscle-specific sarcoglycan interacting protein. *Journal of Cell Biology*, **2000**, 148, 115-26	7.3	227
284	Nesprin-1alpha self-associates and binds directly to emerin and lamin A in vitro. *FEBS Letters*, **2002**, 525, 135-40	3.8	200
283	Contemporary cardiac issues in Duchenne muscular dystrophy. Working Group of the National Heart, Lung, and Blood Institute in collaboration with Parent Project Muscular Dystrophy. *Circulation*, **2015**, 131, 1590-8	16.7	173
282	Dominant negative myostatin produces hypertrophy without hyperplasia in muscle. *FEBS Letters*, **2000**, 474, 71-5	3.8	167
281	Caveolin-3 in muscular dystrophy. *Human Molecular Genetics*, **1998**, 7, 871-7	5.6	165
280	Hormonal modulation of a gene injected into rat heart in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **1991**, 88, 4138-42	11.5	160
279	Episodic coronary artery vasospasm and hypertension develop in the absence of Sur2 KATP channels. *Journal of Clinical Investigation*, **2002**, 110, 203-208	15.9	159
278	Full-length rat alpha and beta cardiac myosin heavy chain sequences. Comparisons suggest a molecular basis for functional differences. *Journal of Molecular Biology*, **1989**, 210, 665-71	6.5	157

277	The Dystrophin Complex: Structure, Function, and Implications for Therapy. *Comprehensive Physiology*, **2015**, 5, 1223-39	7.7	156
276	Bacillus anthracis edema toxin causes extensive tissue lesions and rapid lethality in mice. *American Journal of Pathology*, **2005**, 167, 1309-20	5.8	154
275	Normal myoblast fusion requires myoferlin. *Development (Cambridge)*, **2005**, 132, 5565-75	6.6	154
274	Human cardiac myosin heavy chain genes and their linkage in the genome. *Nucleic Acids Research*, **1987**, 15, 5443-59	20.1	149
273	Disruption of nesprin-1 produces an Emery Dreifuss muscular dystrophy-like phenotype in mice. *Human Molecular Genetics*, **2009**, 18, 607-20	5.6	147
272	Calcium-sensitive phospholipid binding properties of normal and mutant ferlin C2 domains. *Journal of Biological Chemistry*, **2002**, 277, 22883-8	5.4	146
271	LTBP4 genotype predicts age of ambulatory loss in Duchenne muscular dystrophy. *Annals of Neurology*, **2013**, 73, 481-8	9.4	145
270	Linkage of familial dilated cardiomyopathy with conduction defect and muscular dystrophy to chromosome 6q23. *American Journal of Human Genetics*, **1997**, 61, 909-17	11	143
269	Nuclear envelope alterations in fibroblasts from LGMD1B patients carrying nonsense Y259X heterozygous or homozygous mutation in lamin A/C gene. *Experimental Cell Research*, **2003**, 291, 352-62	4.2	143
268	The sarcoglycan complex in the six autosomal recessive limb-girdle muscular dystrophies. *Human Molecular Genetics*, **1996**, 5, 1963-9	5.6	139
267	Myoferlin, a candidate gene and potential modifier of muscular dystrophy. *Human Molecular Genetics*, **2000**, 9, 217-26	5.6	134
266	Muscle-specific promoters may be necessary for adeno-associated virus-mediated gene transfer in the treatment of muscular dystrophies. *Human Gene Therapy*, **2001**, 12, 205-15	4.8	123
265	Latent TGF-beta-binding protein 4 modifies muscular dystrophy in mice. *Journal of Clinical Investigation*, **2009**, 119, 3703-12	15.9	123
264	Myne-1, a spectrin repeat transmembrane protein of the myocyte inner nuclear membrane, interacts with lamin A/C. *Journal of Cell Science*, **2002**, 115, 61-70	5.3	123
263	Mutation of SYNE-1, encoding an essential component of the nuclear lamina, is responsible for autosomal recessive arthrogryposis. *Human Molecular Genetics*, **2009**, 18, 3462-9	5.6	121
262	Nesprin-1 mutations in human and murine cardiomyopathy. *Journal of Molecular and Cellular Cardiology*, **2010**, 48, 600-8	5.8	112
261	Myne-1, a spectrin repeat transmembrane protein of the myocyte inner nuclear membrane, interacts with lamin A/C. *Journal of Cell Science*, **2002**, 115, 61-70	5.3	112
260	Muscle diseases: the muscular dystrophies. *Annual Review of Pathology: Mechanisms of Disease*, **2007**, 2, 87-109	34	110

259	Population-based variation in cardiomyopathy genes. *Circulation: Cardiovascular Genetics*, **2012**, 5, 391-9		106
258	The genetics of dilated cardiomyopathy. *Current Opinion in Cardiology*, **2010**, 25, 198-204	2.1	105
257	Muscle degeneration without mechanical injury in sarcoglycan deficiency. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 10723-8	11.5	104
256	Sarcoglycans in muscular dystrophy. *Microscopy Research and Technique*, **2000**, 48, 167-80	2.8	103
255	Mutations that disrupt the carboxyl-terminus of gamma-sarcoglycan cause muscular dystrophy. *Human Molecular Genetics*, **1996**, 5, 1841-7	5.6	102
254	Human epsilon-sarcoglycan is highly related to alpha-sarcoglycan (adhalin), the limb girdle muscular dystrophy 2D gene. *FEBS Letters*, **1998**, 422, 27-32	3.8	102
253	TBX5 drives Scn5a expression to regulate cardiac conduction system function. *Journal of Clinical Investigation*, **2012**, 122, 2509-18	15.9	101
252	An actin-dependent annexin complex mediates plasma membrane repair in muscle. *Journal of Cell Biology*, **2016**, 213, 705-18	7.3	100
251	Episodic coronary artery vasospasm and hypertension develop in the absence of Sur2 K(ATP) channels. *Journal of Clinical Investigation*, **2002**, 110, 203-8	15.9	98
250	Familial dilated cardiomyopathy caused by an alpha-tropomyosin mutation: the distinctive natural history of sarcomeric dilated cardiomyopathy. *Journal of the American College of Cardiology*, **2010**, 55, 320-9	15.1	92
249	Annexin A6 modifies muscular dystrophy by mediating sarcolemmal repair. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 6004-9	11.5	90
248	Altered chromosomal positioning, compaction, and gene expression with a lamin A/C gene mutation. *PLoS ONE*, **2010**, 5, e14342	3.7	88
247	Nesprin-1alpha contributes to the targeting of mAKAP to the cardiac myocyte nuclear envelope. *Experimental Cell Research*, **2005**, 303, 388-99	4.2	86
246	S100A12 in vascular smooth muscle accelerates vascular calcification in apolipoprotein E-null mice by activating an osteogenic gene regulatory program. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, 337-44	9.4	84
245	Age-dependent effect of myostatin blockade on disease severity in a murine model of limb-girdle muscular dystrophy. *American Journal of Pathology*, **2006**, 168, 1975-85	5.8	84
244	Isolation and characterization of human myosin heavy chain genes. *Proceedings of the National Academy of Sciences of the United States of America*, **1983**, 80, 3716-20	11.5	84
243	Transplanted hematopoietic stem cells demonstrate impaired sarcoglycan expression after engraftment into cardiac and skeletal muscle. *Journal of Clinical Investigation*, **2004**, 114, 1577-1585	15.9	84
242	New approaches in the therapy of cardiomyopathy in muscular dystrophy. *Annual Review of Medicine*, **2007**, 58, 75-88	17.4	83

241	Rescue of skeletal muscles of gamma-sarcoglycan-deficient mice with adeno-associated virus-mediated gene transfer. *Molecular Therapy*, **2000**, 1, 119-29	11.7	83
240	Deletion of periostin reduces muscular dystrophy and fibrosis in mice by modulating the transforming growth factor- pathway. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 10978-83	11.5	82
239	Myoferlin regulates vascular endothelial growth factor receptor-2 stability and function. *Journal of Biological Chemistry*, **2007**, 282, 30745-53	5.4	82
238	Human adhalin is alternatively spliced and the gene is located on chromosome 17q21. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 9690-4	11.5	82
237	Desmoplakin Cardiomyopathy, a Fibrotic and Inflammatory Form of Cardiomyopathy Distinct From Typical Dilated or Arrhythmogenic Right Ventricular Cardiomyopathy. *Circulation*, **2020**, 141, 1872-1884	16.7	80
236	The endocytic recycling protein EHD2 interacts with myoferlin to regulate myoblast fusion. *Journal of Biological Chemistry*, **2008**, 283, 20252-60	5.4	80
235	Pitx2 modulates a Tbx5-dependent gene regulatory network to maintain atrial rhythm. *Science Translational Medicine*, **2016**, 8, 354ra115	17.5	79
234	A promoter interaction map for cardiovascular disease genetics. *ELife*, **2018**, 7,	8.9	78
233	Sarcomere mutations in cardiomyopathy with left ventricular hypertrabeculation. *Circulation: Cardiovascular Genetics*, **2009**, 2, 442-9		77
232	Cardiac assessment in duchenne and becker muscular dystrophies. *Current Heart Failure Reports*, **2010**, 7, 212-8	2.8	74
231	Zeta-sarcoglycan, a novel component of the sarcoglycan complex, is reduced in muscular dystrophy. *Human Molecular Genetics*, **2002**, 11, 2147-54	5.6	72
230	Splicing mutation in dysferlin produces limb-girdle muscular dystrophy with inflammation. *American Journal of Medical Genetics Part A*, **2000**, 91, 305-12		72
229	Phospholamban R14 deletion results in late-onset, mild, hereditary dilated cardiomyopathy. *Journal of the American College of Cardiology*, **2006**, 48, 1396-8	15.1	71
228	The genetic landscape of cardiomyopathy and its role in heart failure. *Cell Metabolism*, **2015**, 21, 174-182	24.6	68
227	Consequences of disrupting the dystrophin-sarcoglycan complex in cardiac and skeletal myopathy. *Trends in Cardiovascular Medicine*, **2007**, 17, 55-9	6.9	67
226	Spontaneous coronary vasospasm in KATP mutant mice arises from a smooth muscle-extrinsic process. *Circulation Research*, **2006**, 98, 682-9	15.7	67
225	S100A12 mediates aortic wall remodeling and aortic aneurysm. *Circulation Research*, **2010**, 106, 145-54	15.7	65
224	Harmonizing Clinical Sequencing and Interpretation for the eMERGE III Network. *American Journal of Human Genetics*, **2019**, 105, 588-605	11	63

223	Nesprins, but not sun proteins, switch isoforms at the nuclear envelope during muscle development. *Developmental Dynamics*, **2010**, 239, 998-1009	2.9	63
222	Myostatin blockade improves function but not histopathology in a murine model of limb-girdle muscular dystrophy 2C. *Muscle and Nerve*, **2008**, 37, 308-16	3.4	63
221	Genetic compensation for sarcoglycan loss by integrin alpha7beta1 in muscle. *Journal of Cell Science*, **2004**, 117, 3821-30	5.3	62
220	Genetic background influences muscular dystrophy. *Neuromuscular Disorders*, **2005**, 15, 601-9	2.9	61
219	Smooth muscle cell Extrinsic vascular spasm arises from cardiomyocyte degeneration in sarcoglycan-deficient cardiomyopathy. *Journal of Clinical Investigation*, **2004**, 113, 668-675	15.9	60
218	Novel nesprin-1 mutations associated with dilated cardiomyopathy cause nuclear envelope disruption and defects in myogenesis. *Human Molecular Genetics*, **2017**, 26, 2258-2276	5.6	59
217	Genetic pathways of vascular calcification. *Trends in Cardiovascular Medicine*, **2012**, 22, 93-8	6.9	59
216	Repairing the tears: dysferlin in muscle membrane repair. *Trends in Molecular Medicine*, **2003**, 9, 327-30	11.5	59
215	Beyond dystrophin. *Current Opinion in Pediatrics*, **1996**, 8, 569-582	3.2	59
214	Intermittent glucocorticoid steroid dosing enhances muscle repair without eliciting muscle atrophy. *Journal of Clinical Investigation*, **2017**, 127, 2418-2432	15.9	59
213	Reduced life span with heart and muscle dysfunction in Drosophila sarcoglycan mutants. *Human Molecular Genetics*, **2007**, 16, 2933-43	5.6	56
212	Primary adhalin deficiency as a cause of muscular dystrophy in patients with normal dystrophin. *Annals of Neurology*, **1995**, 38, 367-72	9.4	56
211	Hydrogen sulfide dilates cerebral arterioles by activating smooth muscle cell plasma membrane KATP channels. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 300, H2088-95	5.2	55
210	Processing and assembly of the dystrophin glycoprotein complex. *Traffic*, **2007**, 8, 177-83	5.7	55
209	Impaired muscle growth and response to insulin-like growth factor 1 in dysferlin-mediated muscular dystrophy. *Human Molecular Genetics*, **2011**, 20, 779-89	5.6	53
208	Powerful genes--myostatin regulation of human muscle mass. *New England Journal of Medicine*, **2004**, 350, 2642-4	59.2	52
207	Molecular identification and functional characterization of a mitochondrial sulfonylurea receptor 2 splice variant generated by intraexonic splicing. *Circulation Research*, **2009**, 105, 1083-93	15.7	51
206	Mechanisms of muscle weakness in muscular dystrophy. *Journal of General Physiology*, **2010**, 136, 29-34	3.4	50

205	Dysferlin protein analysis in limb-girdle muscular dystrophies. *Journal of Molecular Neuroscience*, **2001**, 17, 71-80	3.3	50
204	Complete nucleotide sequence of full length cDNA for rat alpha cardiac myosin heavy chain. *Nucleic Acids Research*, **1989**, 17, 7527-8	20.1	50
203	High seroprevalence for SARS-CoV-2 among household members of essential workers detected using a dried blood spot assay. *PLoS ONE*, **2020**, 15, e0237833	3.7	48
202	Genetic manipulation of dysferlin expression in skeletal muscle: novel insights into muscular dystrophy. *American Journal of Pathology*, **2009**, 175, 1817-23	5.8	47
201	Ferlin proteins in myoblast fusion and muscle growth. *Current Topics in Developmental Biology*, **2011**, 96, 203-30	5.3	46
200	Plasma Membrane Repair in Health and Disease. *Current Topics in Membranes*, **2016**, 77, 67-96	2.2	45
199	Myoferlin is required for insulin-like growth factor response and muscle growth. *FASEB Journal*, **2010**, 24, 1284-95	0.9	44
198	Targeted analysis of whole genome sequence data to diagnose genetic cardiomyopathy. *Circulation: Cardiovascular Genetics*, **2014**, 7, 751-759		43
197	Dysferlin and myoferlin regulate transverse tubule formation and glycerol sensitivity. *American Journal of Pathology*, **2014**, 184, 248-59	5.8	43
196	Emery-Dreifuss muscular dystrophy. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2011**, 101, 155-66	3	43
195	Mechanisms and management of the heart in myotonic dystrophy. *Heart*, **2011**, 97, 1094-100	5.1	43
194	Overexpression of gamma-sarcoglycan induces severe muscular dystrophy. Implications for the regulation of Sarcoglycan assembly. *Journal of Biological Chemistry*, **2001**, 276, 21785-90	5.4	42
193	Supercomputing for the parallelization of whole genome analysis. *Bioinformatics*, **2014**, 30, 1508-13	7.2	41
192	Modifying muscular dystrophy through transforming growth factor- *FEBS Journal*, **2013**, 280, 4198-209	5.7	40
191	Endocytic recycling proteins EHD1 and EHD2 interact with fer-1-like-5 (Fer1L5) and mediate myoblast fusion. *Journal of Biological Chemistry*, **2011**, 286, 7379-88	5.4	40
190	Gene expression, chromosome position and lamin A/C mutations. *Nucleus*, **2011**, 2, 162-7	3.9	38
189	Novel actin crosslinker superfamily member identified by a two step degenerate PCR procedure. *FEBS Letters*, **1995**, 368, 500-4	3.8	38
188	Myoferlin regulation by NFAT in muscle injury, regeneration and repair. *Journal of Cell Science*, **2010** , 123, 2413-22	5.3	37

187	Cardiac sulfonylurea receptor short form-based channels confer a glibenclamide-insensitive KATP activity. *Journal of Molecular and Cellular Cardiology*, **2008**, 44, 188-200	5.8	37
186	Lamin A/C truncation in dilated cardiomyopathy with conduction disease. *BMC Medical Genetics*, **2003**, 4, 4	2.1	37
185	Cardiac Management of the Patient With Duchenne Muscular Dystrophy. *Pediatrics*, **2018**, 142, S72-S81	7.4	37
184	Muscle cell communication in development and repair. *Current Opinion in Pharmacology*, **2017**, 34, 7-14	5.1	36
183	EHD1 mediates vesicle trafficking required for normal muscle growth and transverse tubule development. *Developmental Biology*, **2014**, 387, 179-90	3.1	36
182	Modifier genes and their effect on Duchenne muscular dystrophy. *Current Opinion in Neurology*, **2015**, 28, 528-34	7.1	36
181	Distinct pathophysiological mechanisms of cardiomyopathy in hearts lacking dystrophin or the sarcoglycan complex. *FASEB Journal*, **2011**, 25, 3106-14	0.9	36
180	Mice lacking sulfonylurea receptor 2 (SUR2) ATP-sensitive potassium channels are resistant to acute cardiovascular stress. *Journal of Molecular and Cellular Cardiology*, **2007**, 43, 445-54	5.8	36
179	Mutations in the caveolin-3 gene: When are they pathogenic?. *American Journal of Medical Genetics Part A*, **2001**, 99, 303-7		36
178	S100A12 expression in thoracic aortic aneurysm is associated with increased risk of dissection and perioperative complications. *Journal of the American College of Cardiology*, **2012**, 60, 775-85	15.1	35
177	Sulfonylurea receptor-dependent and -independent pathways mediate vasodilation induced by ATP-sensitive K+ channel openers. *Molecular Pharmacology*, **2008**, 74, 736-43	4.3	34
176	A polymorphic human myosin heavy chain locus is linked to an anonymous single copy locus (D17S1) at 17p13. *Cytogenetic and Genome Research*, **1986**, 43, 117-20	1.9	34
175	NO more muscle fatigue. *Journal of Clinical Investigation*, **2009**, 119, 448-50	15.9	33
174	P38 MAPK underlies muscular dystrophy and myofiber death through a Bax-dependent mechanism. *Human Molecular Genetics*, **2014**, 23, 5452-63	5.6	32
173	Myofiber-specific inhibition of TGF signaling protects skeletal muscle from injury and dystrophic disease in mice. *Human Molecular Genetics*, **2014**, 23, 6903-15	5.6	32
172	Muscle hypertrophy induced by myostatin inhibition accelerates degeneration in dysferlinopathy. *Human Molecular Genetics*, **2015**, 24, 5711-9	5.6	31
171	SMAD signaling drives heart and muscle dysfunction in a Drosophila model of muscular dystrophy. *Human Molecular Genetics*, **2011**, 20, 894-904	5.6	31
170	Genetic disruption of calcineurin improves skeletal muscle pathology and cardiac disease in a mouse model of limb-girdle muscular dystrophy. *Journal of Biological Chemistry*, **2007**, 282, 10068-10078	5.4	31

169	Sarcoglycans in vascular smooth and striated muscle. *Trends in Cardiovascular Medicine*, **2003**, 13, 238-436.9		30
168	Functional nitric oxide synthase mislocalization in cardiomyopathy. *Journal of Molecular and Cellular Cardiology*, **2004**, 36, 213-23	5.8	30
167	Direct reprogramming of urine-derived cells with inducible MyoD for modeling human muscle disease. *Skeletal Muscle*, **2016**, 6, 32	5.1	29
166	Exon-skipping therapy: a roadblock, detour, or bump in the road?. *Science Translational Medicine*, **2014**, 6, 230fs14	17.5	29
165	Secondary coronary artery vasospasm promotes cardiomyopathy progression. *American Journal of Pathology*, **2004**, 164, 1063-71	5.8	29
164	Establishment of Specialized Clinical Cardiovascular Genetics Programs: Recognizing the Need and Meeting Standards: A Scientific Statement From the American Heart Association. *Circulation Genomic and Precision Medicine*, **2019**, 12, e000054	5.2	28
163	Targeting latent TGF release in muscular dystrophy. *Science Translational Medicine*, **2014**, 6, 259ra144	17.5	28
162	Sarcomere mutations in cardiogenesis and ventricular noncompaction. *Trends in Cardiovascular Medicine*, **2009**, 19, 17-21	6.9	28
161	Coexpression and assembly of myosin heavy chain and myosin light chain in Escherichia coli. *Proceedings of the National Academy of Sciences of the United States of America*, **1988**, 85, 7270-3	11.5	28
160	Extraocular muscle is spared despite the absence of an intact sarcoglycan complex in gamma- or delta-sarcoglycan-deficient mice. *Neuromuscular Disorders*, **2001**, 11, 197-207	2.9	27
159	Recombinant annexin A6 promotes membrane repair and protects against muscle injury. *Journal of Clinical Investigation*, **2019**, 129, 4657-4670	15.9	27
158	Thrombospondin expression in myofibers stabilizes muscle membranes. *ELife*, **2016**, 5,	8.9	27
157	Membrane fusion in muscle development and repair. *Seminars in Cell and Developmental Biology*, **2015**, 45, 48-56	7.5	26
156	Intermittent Glucocorticoid Dosing Improves Muscle Repair and Function in Mice with Limb-Girdle Muscular Dystrophy. *American Journal of Pathology*, **2017**, 187, 2520-2535	5.8	26
155	Excess SMAD signaling contributes to heart and muscle dysfunction in muscular dystrophy. *Human Molecular Genetics*, **2014**, 23, 6722-31	5.6	26
154	Smooth muscle cell-extrinsic vascular spasm arises from cardiomyocyte degeneration in sarcoglycan-deficient cardiomyopathy. *Journal of Clinical Investigation*, **2004**, 113, 668-75	15.9	26
153	Overexpression of Latent TGF Binding Protein 4 in Muscle Ameliorates Muscular Dystrophy through Myostatin and TGF *PLoS Genetics*, **2016**, 12, e1006019	6	26
152	The superhealing MRL background improves muscular dystrophy. *Skeletal Muscle*, **2012**, 2, 26	5.1	25

151	Distinct genetic regions modify specific muscle groups in muscular dystrophy. *Physiological Genomics*, **2011**, 43, 24-31	3.6	25
150	Transplanted hematopoietic stem cells demonstrate impaired sarcoglycan expression after engraftment into cardiac and skeletal muscle. *Journal of Clinical Investigation*, **2004**, 114, 1577-85	15.9	24
149	Reengineering a transmembrane protein to treat muscular dystrophy using exon skipping. *Journal of Clinical Investigation*, **2015**, 125, 4186-95	15.9	24
148	Disruption of the lamin A and matrin-3 interaction by myopathic LMNA mutations. *Human Molecular Genetics*, **2015**, 24, 4284-95	5.6	22
147	Cytoskeletal defects in cardiomyopathy. *Journal of Molecular and Cellular Cardiology*, **2003**, 35, 231-41	5.8	22
146	Association of Cardiomyopathy With MYBPC3 D389V and MYBPC3 25bpIntronic Deletion in South Asian Descendants. *JAMA Cardiology*, **2018**, 3, 481-488	16.2	21
145	Genetic Modifiers for Neuromuscular Diseases. *Journal of Neuromuscular Diseases*, **2014**, 1, 3-13	5	21
144	Ventricular myosin light chain 1 is developmentally regulated and does not change in hypertension. *Nucleic Acids Research*, **1989**, 17, 2753-67	20.1	21
143	Expression of myosin and actin in Escherichia coli. *Methods in Enzymology*, **1991**, 196, 368-89	1.7	21
142	Genetics of Cardiac Developmental Disorders: Cardiomyocyte Proliferation and Growth and Relevance to Heart Failure. *Annual Review of Pathology: Mechanisms of Disease*, **2016**, 11, 395-419	34	21
141	Comparison of IgG and neutralizing antibody responses after one or two doses of COVID-19 mRNA vaccine in previously infected and uninfected individuals. *EClinicalMedicine*, **2021**, 38, 101018	11.3	21
140	GRAF1 promotes ferlin-dependent myoblast fusion. *Developmental Biology*, **2014**, 393, 298-311	3.1	20
139	Experimental Modeling Supports a Role for MyBP-HL as a Novel Myofilament Component in Arrhythmia and Dilated Cardiomyopathy. *Circulation*, **2017**, 136, 1477-1491	16.7	20
138	Genetic Variation in Cardiomyopathy and Cardiovascular Disorders. *Circulation Journal*, **2015**, 79, 1409-15	2.9	20
137	A novel FKRP mutation in congenital muscular dystrophy disrupts the dystrophin glycoprotein complex. *Neuromuscular Disorders*, **2007**, 17, 285-9	2.9	20
136	Enhanced Muscular Dystrophy from Loss of Dysferlin Is Accompanied by Impaired Annexin A6 Translocation after Sarcolemmal Disruption. *American Journal of Pathology*, **2016**, 186, 1610-22	5.8	20
135	Nuclear sequestration of delta-sarcoglycan disrupts the nuclear localization of lamin A/C and emerin in cardiomyocytes. *Human Molecular Genetics*, **2007**, 16, 355-63	5.6	19
134	Therapy insight: cardiovascular complications associated with muscular dystrophies. *Nature Clinical Practice Cardiovascular Medicine*, **2005**, 2, 301-8		19

133	Cardiomyopathy is independent of skeletal muscle disease in muscular dystrophy. *FASEB Journal*, **2002**, 16, 1096-8	0.9	19
132	Identification of sequences necessary for the association of cardiac myosin subunits. *Journal of Cell Biology*, **1991**, 113, 585-90	7.3	19
131	Outside in: The matrix as a modifier of muscular dystrophy. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2017**, 1864, 572-579	4.9	18
130	Modifiers of heart and muscle function: where genetics meets physiology. *Experimental Physiology*, **2014**, 99, 621-6	2.4	18
129	Genetic modifiers of muscular dystrophy: implications for therapy. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2007**, 1772, 216-28	6.9	17
128	Moderate exercise improves function and increases adiponectin in the mdx mouse model of muscular dystrophy. *Scientific Reports*, **2019**, 9, 5770	4.9	16
127	DNA Electroporation, Isolation and Imaging of Myofibers. *Journal of Visualized Experiments*, **2015**, e53551	1.6	16
126	204th ENMC International Workshop on Biomarkers in Duchenne Muscular Dystrophy 24-26 January 2014, Naarden, The Netherlands. *Neuromuscular Disorders*, **2015**, 25, 184-98	2.9	16
125	Cardiomyocyte sulfonylurea receptor 2-KATP channel mediates cardioprotection and ST segment elevation. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 299, H1100-8	5.2	16
124	The sarcoglycan complex in striated and vascular smooth muscle. *Cold Spring Harbor Symposia on Quantitative Biology*, **2002**, 67, 389-97	3.9	16
123	Clinical utility of multigene analysis in over 25,000 patients with neuromuscular disorders. *Neurology: Genetics*, **2020**, 6, e412	3.8	15
122	Non-Glycanated Biglycan and LTBP4: Leveraging the extracellular matrix for Duchenne Muscular Dystrophy therapeutics. *Matrix Biology*, **2018**, 68-69, 616-627	11.4	14
121	Abcc9 is required for the transition to oxidative metabolism in the newborn heart. *FASEB Journal*, **2014**, 28, 2804-15	0.9	14
120	MicroRNAs promote skeletal muscle differentiation of mesodermal iPSC-derived progenitors. *Nature Communications*, **2017**, 8, 1249	17.4	14
119	Genetic deletion of NOS3 increases lethal cardiac dysfunction following mouse cardiac arrest. *Resuscitation*, **2011**, 82, 115-21	4	14
118	Deficiency of adhalin in a patient with muscular dystrophy and cardiomyopathy. *New England Journal of Medicine*, **1996**, 334, 1610-1	59.2	14
117	Cardiomyopathy in animal models of muscular dystrophy. *Current Opinion in Cardiology*, **2001**, 16, 211-7	2.1	14
116	Pulsed glucocorticoids enhance dystrophic muscle performance through epigenetic-metabolic reprogramming. *JCI Insight*, **2019**, 4,	9.9	14

115	Clinical Care Recommendations for Cardiologists Treating Adults With Myotonic Dystrophy. *Journal of the American Heart Association*, **2020**, 9, e014006	6	13
114	Vasodilation induced by oxygen/glucose deprivation is attenuated in cerebral arteries of SUR2 null mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 301, H1360-8	5.2	13
113	Genetics: broken giant linked to heart failure. *Nature*, **2012**, 483, 281-2	50.4	13
112	Distinct pathological signatures in human cellular models of myotonic dystrophy subtypes. *JCI Insight*, **2019**, 4,	9.9	13
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