MicroRNA-206 Delays ALS Progression and Promotes R Synapses in Mice

Science 326, 1549-1554 DOI: 10.1126/science.1181046

Citation Report

#	Article	IF	CITATIONS
1	A Reinnervating MicroRNA. Science, 2009, 326, 1494-1495.	6.0	18
2	Amyotrophic lateral sclerosis: current practice and future treatments. Current Opinion in Neurology, 2010, 23, 524-529.	1.8	20
3	Intrathecal Nucleic Acid Injections to Treat Neuropathic Pain. Neurosurgery, 2010, 66, N18-N18.	0.6	0
4	CT Alone May Be Inadequate for Detecting Occult Spinal Injuries. Neurosurgery, 2010, 66, N23-N24.	0.6	0
5	Key Factors Contributing to the Success of Clinician Investigators. Neurosurgery, 2010, 66, N14-N15.	0.6	2
6	Thoughts on Consciousness. Neurosurgery, 2010, 66, N22-N23.	0.6	0
7	A T Cell-Orchestrated Immune Response in the Adult Dorsal Spinal Cord as a Cause of Neuropathic Pain-Like Hypersensitivity After Peripheral Nerve Damage. Neurosurgery, 2010, 66, N24-N25.	0.6	4
8	Riding the Waves. Neurosurgery, 2010, 66, N15-N16.	0.6	1
9	IDH1 and IDH2 Mutations in Gliomas and the Associated Induction of Hypoxia-Inducible Factor and Production of 2-hydroxyglutarate. Neurosurgery, 2010, 66, N20-N21.	0.6	10
10	Regeneration of Neuromuscular Synapses. Neurosurgery, 2010, 66, N19-N20.	0.6	7
11	MicroRNA expression in maturing murine megakaryocytes. Blood, 2010, 116, e128-e138.	0.6	80
12	Forcing Tumor Stem Cells to an End. Neurosurgery, 2010, 66, N17-N18.	0.6	0
13	Quantitative PCR analysis of laryngeal muscle fiber types. Journal of Communication Disorders, 2010, 43, 327-334.	0.8	9
14	Neuronal intrinsic barriers for axon regeneration in the adult CNS. Current Opinion in Neurobiology, 2010, 20, 510-518.	2.0	179
15	MicroRNAs: Genetically Sensitized Worms Reveal New Secrets. Current Biology, 2010, 20, R598-R600.	1.8	21
16	Delivery of Oligonucleotides and Analogues: The Oligonucleotide Conjugateâ€Based Approach. ChemBioChem, 2010, 11, 1493-1500.	1.3	23
17	Entrapment neuropathy results in different microRNA expression patterns from denervation injury in rats. BMC Musculoskeletal Disorders, 2010, 11, 181.	0.8	30
18	Context-dependent functions of specific microRNAs in neuronal development. Neural Development, 2010, 5, 25.	1.1	139

ATION REDO

#	Article	IF	CITATIONS
19	Reconnect with microRNA. Nature Reviews Neuroscience, 2010, 11, 74-75.	4.9	2
22	The neurobiology of amyotrophic lateral sclerosis. European Journal of Neuroscience, 2010, 31, 2247-2265.	1.2	78
23	Secreted factors as synaptic organizers. European Journal of Neuroscience, 2010, 32, 181-190.	1.2	49
24	MicroRNA profiling of multiple osteochondromas: identification of diseaseâ€specific and normal cartilage signatures. Clinical Genetics, 2010, 78, 507-516.	1.0	35
25	Muscle pathology in lower motor neuron paraplegia and h-b FES. European Journal of Translational Myology, 2010, 20, 25.	0.8	0
26	Permanent LMN denervation of human skeletal muscle and recovery by h-b FES: management and monitoring. European Journal of Translational Myology, 2010, 20, 91.	0.8	6
27	Amyotrophic lateral sclerosis: applications of stem cells – an update. Stem Cells and Cloning: Advances and Applications, 2010, 3, 145.	2.3	7
28	A large genome scan for rare CNVs in amyotrophic lateral sclerosis. Human Molecular Genetics, 2010, 19, 4091-4099.	1.4	51
29	Analysis of microRNA knockouts in mice. Human Molecular Genetics, 2010, 19, R169-R175.	1.4	186
31	Unnerving atrophy. Science-Business EXchange, 2010, 3, 1225-1225.	0.0	0
32	miRNA malfunction causes spinal motor neuron disease. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13111-13116.	3.3	299
33	miR-451 protects against erythroid oxidant stress by repressing 14-3-3ζ. Genes and Development, 2010, 24, 1620-1633.	2.7	192
34	The Role of Histone Deacetylases in Neurodegenerative Diseases and Small-Molecule Inhibitors as a Potential Therapeutic Approach. Topics in Medicinal Chemistry, 2010, , 1-56.	0.4	0
35	Creation and Validation of a New Animal Model of Intracranial Aneurysms. Neurosurgery, 2010, 66, N16-N17.	0.6	0
36	The clinical development of histone deacetylase inhibitors as targeted anticancer drugs. Expert Opinion on Investigational Drugs, 2010, 19, 1049-1066.	1.9	253
37	MicroRNAs, epigenetics and disease. Essays in Biochemistry, 2010, 48, 165-185.	2.1	38
38	microRNA-1 and microRNA-206 regulate skeletal muscle satellite cell proliferation and differentiation by repressing Pax7. Journal of Cell Biology, 2010, 190, 867-879.	2.3	530
39	Mammalian target of rapamycin regulates miRNA-1 and follistatin in skeletal myogenesis. Journal of Cell Biology, 2010, 189, 1157-1169.	2.3	183

		CITATION REPORT		
#	Article		IF	Citations
40	MicroRNA Regulatory Networks in Cardiovascular Development. Developmental Cell, 20	10, 18, 510-525.	3.1	466
41	Myogenin and Class II HDACs Control Neurogenic Muscle Atrophy by Inducing E3 Ubiqu Cell, 2010, 143, 35-45.	itin Ligases.	13.5	377
42	Megarole for MicroRNA in Muscle Disease. Cell Metabolism, 2010, 12, 425-426.		7.2	11
43	Targeting the correct HDAC(s) to treat cognitive disorders. Trends in Pharmacological S 31, 605-617.	ciences, 2010,	4.0	330
44	Motor Neuron Diversity in Development and Disease. Annual Review of Neuroscience, 2	010, 33, 409-440.	5.0	385
45	High-content affinity-based proteomics: unlocking protein biomarker discovery. Expert Molecular Diagnostics, 2010, 10, 1013-1022.	Review of	1.5	64
46	Ameliorating Amyotrophic Lateral Sclerosis. New England Journal of Medicine, 2010, 36	2, 953-954.	13.9	7
47	TGF-β Regulates miR-206 and miR-29 to Control Myogenic Differentiation through Regu Journal of Biological Chemistry, 2011, 286, 13805-13814.	lation of HDAC4.	1.6	237
48	MicroRNA-378 Targets the Myogenic Repressor MyoR during Myoblast Differentiation. J Biological Chemistry, 2011, 286, 19431-19438.	ournal of	1.6	147
49	MicroRNA Function in the Nervous System. Progress in Molecular Biology and Translatic 2011, 102, 47-100.	nal Science,	0.9	71
50	Calcium channels put synapses in their place. Nature Neuroscience, 2011, 14, 536-538.		7.1	1
51	Dystrophin Orchestrates the Epigenetic Profile of Muscle Cells Via miRNAs. Frontiers in 2, 64.	Genetics, 2011,	1.1	16
52	Hanging by the tail: progenitor populations proliferate. Nature Neuroscience, 2011, 14,	538-540.	7.1	18
53	Histone Deacetylases: the Biology and Clinical Implication. Handbook of Experimental P 2011, , .	narmacology,	0.9	7
54	The Art of MicroRNA Research. Circulation Research, 2011, 108, 219-234.		2.0	482
55	The preclinical discovery of amyotrophic lateral sclerosis drugs. Expert Opinion on Drug 2011, 6, 1127-1138.	Discovery,	2.5	12
56	Impact of Fibroblast Growth Factor-Binding Protein–1 Expression on Angiogenesis an Healing. American Journal of Pathology, 2011, 179, 2220-2232.	d Wound	1.9	60
57	A Novel Enhancer of the Wound Healing Process. American Journal of Pathology, 2011,	179, 2144-2147.	1.9	26

ARTICLE IF CITATIONS # A Long Noncoding RNA Controls Muscle Differentiation by Functioning as a Competing Endogenous 13.5 2,390 58 RNA. Čell, 2011, 147, 358-369. NeurimmiRs: microRNAs in the neuroimmune interface. Trends in Molecular Medicine, 2011, 17, 548-555. 59 3.5 Early changes of microRNAs expression in the dorsal root ganglia following rat sciatic nerve 60 1.0 51 transection. Neuroscience Letters, 2011, 494, 89-93. Epigenetic mechanisms in Alzheimer's disease. Neurobiology of Aging, 2011, 32, 1161-1180. 224 New Directions in Biology and Disease of Skeletal Muscle, Meeting Report, 5â€"8 May 2010, Ottawa, 62 0.3 2 Canada. Neuromuscular Disorders, 2011, 21, 157-159. Class IIa HDACs: from important roles in differentiation to possible implications in tumourigenesis. Journal of Cellular and Molecular Medicine, 2011, 15, 1833-1846. 1.6 Therapeutic Oligonucleotides. Methods in Molecular Biology, 2011, 764, 1-15. 65 0.4 65 MicroRNAs and Alzheimer's Disease Mouse Models: Current Insights and Future Research Avenues. 1.1 66 International Journal of Alzheimer's Disease, 2011, 2011, 1-6. The nuclear events guiding successful nerve regeneration. Frontiers in Molecular Neuroscience, 2011, 38 67 1.4 4, 53. Differential Glucose-Regulation of MicroRNAs in Pancreatic Islets of Non-Obese Type 2 Diabetes Model 1.1 Goto-Kakizaki Rat. PLoŠ ONE, 2011, 6, e18613. Loss of synaptic vesicles from neuromuscular junctions in aged MRF4-null mice. NeuroReport, 2011, 22, 69 7 0.6 185-189. Can neurodegeneration be separated from neuropathological hallmarks of chronic idiopathic human neurodegenerative disease? A perspective from modelling!. Biochemical Society Transactions, 2011, 39, 1.6 917-919 Non-coding RNAs in human disease. Nature Reviews Genetics, 2011, 12, 861-874. 71 7.7 4,159 Transcriptional mechanisms regulating skeletal muscle differentiation, growth and homeostasis. Nature Reviews Molecular Cell Biology, 2011, 12, 349-361. 16.1 570 Defective cranial skeletal development, larval lethality and haploinsufficiency in Myod mutant 73 0.9 70 zebrafish. Developmental Biology, 2011, 358, 102-112. Differential expression of microRNA-1 in dorsal root ganglion neurons. Histochemistry and Cell 74 Biology, 2011, 135, 37-45. The miRNA pathway in neurological and skeletal muscle disease: implications for pathogenesis and 75 1.7 21 therapy. Journal of Molecular Medicine, 2011, 89, 1065-1077. MicroRNAs as biomarkers of disease onset. Analytical and Bioanalytical Chemistry, 2011, 401, 2051-2061.

#	Article	IF	CITATIONS
77	Research Advances in Amyotrophic Lateral Sclerosis, 2009 to 2010. Current Neurology and Neuroscience Reports, 2011, 11, 67-77.	2.0	43
78	Advances in Epigenetics and Epigenomics for Neurodegenerative Diseases. Current Neurology and Neuroscience Reports, 2011, 11, 464-473.	2.0	72
79	Transgenic overexpression of miR-133a in skeletal muscle. BMC Musculoskeletal Disorders, 2011, 12, 115.	0.8	47
80	MicroRNAs in rhabdomyosarcoma: pathogenetic implications and translational potentiality. Molecular Cancer, 2011, 10, 120.	7.9	49
81	Altered microRNA expression in frontotemporal lobar degeneration with TDP-43 pathology caused by progranulin mutations. BMC Genomics, 2011, 12, 527.	1.2	48
82	A comprehensive assessment of the <i>SOD1C93A</i> low-copy transgenic mouse, which models human amyotrophic lateral sclerosis. DMM Disease Models and Mechanisms, 2011, 4, 686-700.	1.2	86
83	MicroRNAs in skeletal myogenesis. Cell Cycle, 2011, 10, 441-448.	1.3	137
84	The MyomiR Network in Skeletal Muscle Plasticity. Exercise and Sport Sciences Reviews, 2011, 39, 150-154.	1.6	145
85	miR669a and miR669q prevent skeletal muscle differentiation in postnatal cardiac progenitors. Journal of Cell Biology, 2011, 193, 1197-1212.	2.3	77
86	A Shh/miR-206/BDNF Cascade Coordinates Innervation and Formation of Airway Smooth Muscle. Journal of Neuroscience, 2011, 31, 15407-15415.	1.7	76
87	RISC RNA Sequencing for Context-Specific Identification of In Vivo MicroRNA Targets. Circulation Research, 2011, 108, 18-26.	2.0	99
88	Altered Expression of Myogenic Regulatory Factors in the Mouse Model of Amyotrophic Lateral Sclerosis. Neurodegenerative Diseases, 2011, 8, 386-396.	0.8	39
89	miR-155 Inhibits Expression of the MEF2A Protein to Repress Skeletal Muscle Differentiation. Journal of Biological Chemistry, 2011, 286, 35339-35346.	1.6	91
90	miR-206 and -486 Induce Myoblast Differentiation by Downregulating Pax7. Molecular and Cellular Biology, 2011, 31, 203-214.	1.1	363
91	MicroRNA regulation of the paired-box transcription factor Pax3 confers robustness to developmental timing of myogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11936-11941.	3.3	110
92	MicroRNAs in Development and Disease. Physiological Reviews, 2011, 91, 827-887.	13.1	959
93	Regulation of skeletal muscle stem cells through epigenetic mechanisms. Toxicology Mechanisms and Methods, 2011, 21, 334-342.	1.3	16
94	The Role of microRNAs in the Biology of Rare Diseases. International Journal of Molecular Sciences, 2011, 12, 6733-6742.	1.8	13

#	Article	IF	CITATIONS
95	Downregulation of the serum response factor/miR-1 axis in the quadriceps of patients with COPD. Thorax, 2012, 67, 26-34.	2.7	137
96	Alzheimer's disease models and functional genomics—How many needles are there in the haystack?. Frontiers in Physiology, 2012, 3, 320.	1.3	18
97	Epigenetic Deregulation of MicroRNAs in Rhabdomyosarcoma and Neuroblastoma and Translational Perspectives. International Journal of Molecular Sciences, 2012, 13, 16554-16579.	1.8	11
98	From Transcriptome to Noncoding RNAs: Implications in ALS Mechanism. Neurology Research International, 2012, 2012, 1-7.	0.5	18
99	miR-34s inhibit osteoblast proliferation and differentiation in the mouse by targeting SATB2. Journal of Cell Biology, 2012, 197, 509-521.	2.3	215
100	Regeneration of <i>Drosophila</i> sensory neuron axons and dendrites is regulated by the Akt pathway involving <i>Pten</i> and microRNA <i>bantam</i> . Genes and Development, 2012, 26, 1612-1625.	2.7	154
101	Cause or Effect: Misregulation of microRNA Pathways in Neurodegeneration. Frontiers in Neuroscience, 2012, 6, 48.	1.4	78
102	Multimodal Actions of Neural Stem Cells in a Mouse Model of ALS: A Meta-Analysis. Science Translational Medicine, 2012, 4, 165ra164.	5.8	91
103	miR-26a is required for skeletal muscle differentiation and regeneration in mice. Genes and Development, 2012, 26, 2180-2191.	2.7	200
104	Biglycan Is an Extracellular MuSK Binding Protein Important for Synapse Stability. Journal of Neuroscience, 2012, 32, 2324-2334.	1.7	59
105	Amyotrophic Lateral Sclerosis: New Insights into Underlying Molecular Mechanisms and Opportunities for Therapeutic Intervention. Antioxidants and Redox Signaling, 2012, 17, 1277-1330.	2.5	58
107	The Impact of MicroRNAs on Brain Aging and Neurodegeneration. Current Gerontology and Geriatrics Research, 2012, 2012, 1-9.	1.6	48
108	The Role of MicroRNAs in Muscle Development. Current Topics in Developmental Biology, 2012, 99, 59-78.	1.0	28
109	Role of miRNAs in Muscle Stem Cell Biology: Proliferation, Differentiation and Death. Current Pharmaceutical Design, 2012, 18, 1718-1729.	0.9	39
110	microRNAs in skeletal muscle differentiation and disease. Clinical Science, 2012, 123, 611-625.	1.8	75
111	HDAC4 Governs a Transcriptional Program Essential for Synaptic Plasticity and Memory. Cell, 2012, 151, 821-834.	13.5	235
112	MicroRNAs in Neurodegenerative Disorders. Current Geriatrics Reports, 2012, 1, 214-218.	1.1	1
113	Roadmap and standard operating procedures for biobanking and discovery of neurochemical markers in ALS. Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders, 2012, 13, 1-10.	2.3	81

#	Article	IF	Citations
114	Notch3 and Mef2c Proteins Are Mutually Antagonistic via Mkp1 Protein and miR-1/206 MicroRNAs in Differentiating Myoblasts. Journal of Biological Chemistry, 2012, 287, 40360-40370.	1.6	87
115	Heme Oxygenase-1 Inhibits Myoblast Differentiation by Targeting Myomirs. Antioxidants and Redox Signaling, 2012, 16, 113-127.	2.5	97
116	No simpler than mammals: axon and dendrite regeneration in Drosophila. Genes and Development, 2012, 26, 1509-1514.	2.7	15
117	Lactate dyscrasia: a novel explanation for amyotrophic lateral sclerosis. Neurobiology of Aging, 2012, 33, 569-581.	1.5	14
118	MicroRNA-206 Regulates Cell Movements during Zebrafish Gastrulation by Targeting <i>prickle1a</i> and Regulating c-Jun N-Terminal Kinase 2 Phosphorylation. Molecular and Cellular Biology, 2012, 32, 2934-2942.	1.1	23
119	miRâ€206 regulates brainâ€derived neurotrophic factor in Alzheimer disease model. Annals of Neurology, 2012, 72, 269-277.	2.8	267
120	Viral delivery of miR-196a ameliorates the SBMA phenotype via the silencing of CELF2. Nature Medicine, 2012, 18, 1136-1141.	15.2	139
121	Steroid-induced microRNA <i>let-7</i> acts as a spatio-temporal code for neuronal cell fate in the developing <i>Drosophila</i> brain. EMBO Journal, 2012, 31, 4511-4523.	3.5	82
122	The Complex Molecular Biology of Amyotrophic Lateral Sclerosis (ALS). Progress in Molecular Biology and Translational Science, 2012, 107, 215-262.	0.9	131
123	Increased Risk of Breast Cancer Associated with CC Genotype of Has-miR-146a Rs2910164 Polymorphism in Europeans. PLoS ONE, 2012, 7, e31615.	1.1	67
124	MicroRNAs regulate and provide robustness to the myogenic transcriptional network. Current Opinion in Pharmacology, 2012, 12, 383-388.	1.7	34
125	A miRNA signature in leukocytes from sporadic amyotrophic lateral sclerosis. Gene, 2012, 508, 35-40.	1.0	126
126	Neurodegeneration as an RNA disorder. Progress in Neurobiology, 2012, 99, 293-315.	2.8	52
127	MicroRNAs: A Light into the "Black Box―of Neuropediatric Diseases?. NeuroMolecular Medicine, 2012, 14, 244-261.	1.8	20
128	Regenerative Medicine of Neural Tissues. , 2012, , 285-323.		1
130	Regulation of Skeletal Muscle Development and Function by microRNAs. , 2012, , 871-880.		0
131	Genome-wide microRNA profiling of human temporal lobe epilepsy identifies modulators of the immune response. Cellular and Molecular Life Sciences, 2012, 69, 3127-3145.	2.4	170
132	The Path to microRNA Therapeutics in Psychiatric and Neurodegenerative Disorders. Frontiers in Genetics, 2012, 3, 82.	1.1	46

ARTICLE IF CITATIONS Insights Arising from Gene Expression Profiling in Amyotrophic Lateral Sclerosis., 0,,. 133 0 MicroRNAs in Neurotoxicity. Journal of Toxicology, 2012, 2012, 1-15. 134 1.4 Neuroprotection for Amyotrophic Lateral Sclerosis: Role of Stem Cells, Growth Factors, and Gene 135 0.5 29 Therapy. Central Nervous System Agents in Medicinal Chemistry, 2012, 12, 15-27. Brainâ \in derived neurotrophic factor expression is repressed during myogenic differentiation by miRâ \in 206. 136 Journal of Neurochemistry, 2012, 120, 230-238. MicroRNA networks surrounding APP and amyloid-l² metabolism â€" Implications for Alzheimer's disease. 137 2.0 90 Experimental Neurology, 2012, 235, 447-454. Dicer-microRNA pathway is critical for peripheral nerve regeneration and functional recovery in vivo 138 and regenerative axonogenesis in vitro. Experimental Neurology, 2012, 233, 555-565. Non-coding RNAs with essential roles in neurodegenerative disorders. Lancet Neurology, The, 2012, 11, 139 4.9 222 189-200. MicroRNAs in neurodegenerative diseases and their therapeutic potential., 2012, 133, 142-150. 140 186 Effects of polymorphisms in the porcine micro<scp>RNA 141 <i>MIR206</i></scp>/<scp>/<i>MIR133B</i></scp> cluster on muscle fiber and meat quality traits. Animal 0.6 28 Genetics, 2013, 44, 101-106. New therapy options for amyotrophic lateral sclerosis. Expert Opinion on Pharmacotherapy, 2013, 14, 142 1907-1917 143 Circulating MicroRNAs. Methods in Molecular Biology, 2013, , . 2 0.4 Regulation of miRNAs in human skeletal muscle following acute endurance exercise and shortâ€term 1.3 endurance training. Journal of Physiology, 2013, 591, 4637-4653. MicroRNAs in skeletal muscle biology and exercise adaptation. Free Radical Biology and Medicine, 2013, 145 1.3 105 64, 95-105. Muscle histone deacetylase 4 upregulation in amyotrophic lateral sclerosis: potential role in 146 3.7 118 reinnervation ability and disease progression. Brain, 2013, 136, 2359-2368. microRNAs in cardiac regeneration and cardiovascular disease. Science China Life Sciences, 2013, 56, 147 2.317 907-913. Design, Synthesis, and Biological Evaluation of Potent and Selective Class IIa Histone Deacetylase 148 (HDAC) Inhibitors as a Potential Therapy for Huntington's Disease. Journal of Medicinal Chemistry, 2013, 56, 9934-9954. Developing epigenetic diagnostics and therapeutics for brain disorders. Trends in Molecular 149 3.521 Medicine, 2013, 19, 732-741. Exosomes: the future of biomarkers in medicine. Biomarkers in Medicine, 2013, 7, 769-778. 342

ARTICLE IF CITATIONS # MicroRNAs and Biomarker Discovery., 2013, , 379-392. 0 151 Beside the MEF2 axis: Unconventional functions of HDAC4. Cellular Signalling, 2013, 25, 269-276. 1.7 Disruption of skeletal muscle mitochondrial network genes and miRNAs in amyotrophic lateral 153 2.1 194 sclerosis. Neurobiology of Disease, 2013, 49, 107-117. The changing scene of amyotrophic lateral sclerosis. Nature Reviews Neuroscience, 2013, 14, 248-264. 154 860 Functional microRNAs in Alzheimer's disease and cancer: differential regulation of common 155 1.1 63 mechanisms and pathway. Frontiers in Genetics, 2012, 3, 323. The genome-wide supported microRNA-137 variant predicts phenotypic heterogeneity within schizophrenia. Molecular Psychiatry, 2013, 18, 443-450. 4.1 Circulating MicroRNAs in the Cerebrospinal Fluid of Patients with Brain Diseases. Methods in 157 0.4 15 Molecular Biology, 2013, 1024, 203-209. Mechanisms of muscle gene regulation in the electric organ of Sternopygus macrurus. Journal of 0.8 Experimental Biology, 2013, 216, 2469-2477. 159 MicroRNAs and neurodegeneration: role and impact. Trends in Cell Biology, 2013, 23, 30-36. 3.6 179 Genetic and epigenetic studies of amyotrophic lateral sclerosis. Amyotrophic Lateral Sclerosis and 1.1 34 Frontotemporal Degeneration, 2013, 14, 44-52. Postnatal muscle modification by myogenic factors modulates neuropathology and survival in an ALS 161 5.8 15 mouse model. Nature Communications, 2013, 4, 2906. Altered gene expression patterns in muscle ring finger 1 null mice during denervation- and 1.0 dexamethasone-induced muscle atrophy. Physiological Genomics, 2013, 45, 1168-1185. RILES, a novel method for temporal analysis of the in vivo regulation of miRNA expression. Nucleic 163 6.5 25 Acids Research, 2013, 41, e192-e192. The involvement of microRNAs in neurodegenerative diseases. Frontiers in Cellular Neuroscience, 164 1.8 209 2013, 7, 265. Non-Coding RNAs in Muscle Dystrophies. International Journal of Molecular Sciences, 2013, 14, 165 1.8 31 19681-19704. microRNAs in cardiac development and regeneration. Clinical Science, 2013, 125, 151-166. 1.8 Modulation of epigenetic regulators and cell fate decisions by miRNAs. Epigenomics, 2013, 5, 671-683. 167 1.0 42 MicroRNA in myogenesis and muscle atrophy. Current Opinion in Clinical Nutrition and Metabolic 1.3 Care, 2013, 16, 258-266.

# 169	ARTICLE Evolution and Animal Models—Reply. JAMA Neurology, 2013, 70, 271.	IF 4.5	Citations 0
170	Evolution and Animal Models. JAMA Neurology, 2013, 70, 271.	4.5	1
171	RNAi Therapeutic Platforms for Lung Diseases. Pharmaceuticals, 2013, 6, 223-250.	1.7	78
172	Dysregulated microRNAs in amyotrophic lateral sclerosis microglia modulate genes linked to neuroinflammation. Cell Death and Disease, 2013, 4, e959-e959.	2.7	128
174	MicroRNAs and Molecular Mechanisms of Neurodegeneration. Genes, 2013, 4, 244-263.	1.0	23
175	MicroRNA-22 (miR-22) Overexpression Is Neuroprotective via General Anti-Apoptotic Effects and May also Target Specific Huntington's Disease-Related Mechanisms. PLoS ONE, 2013, 8, e54222.	1.1	142
176	Advances in the Genetics and Epigenetics of Neurodegenerative Diseases. Epigenetics of Degenerative Diseases, 2013, 1, .	2.0	6
178	MicroRNAs in the regeneration of skeletal muscleÂ. Frontiers in Bioscience - Landmark, 2013, 18, 608.	3.0	12
179	miR-206 Represses Hypertrophy of Myogenic Cells but Not Muscle Fibers via Inhibition of HDAC4. PLoS ONE, 2013, 8, e73589.	1.1	71
180	Reduction of MicroRNA-206 Contributes to the Development of Bronchopulmonary Dysplasia through Up-Regulation of Fibronectin 1. PLoS ONE, 2013, 8, e74750.	1.1	30
181	MicroRNA dysregulation in multiple sclerosis. Frontiers in Genetics, 2012, 3, 311.	1.1	69
182	Involvement of MicroRNA in Microglia-Mediated Immune Response. Clinical and Developmental Immunology, 2013, 2013, 1-11.	3.3	64
183	MicroRNA-206: A Potential Circulating Biomarker Candidate for Amyotrophic Lateral Sclerosis. PLoS ONE, 2014, 9, e89065.	1.1	154
184	MicroRNA Profiling as Tool for In Vitro Developmental Neurotoxicity Testing: The Case of Sodium Valproate. PLoS ONE, 2014, 9, e98892.	1.1	27
185	MicroRNA-206: a Promising Theranostic Marker. Theranostics, 2014, 4, 119-133.	4.6	48
186	Neuronal involvement in muscular atrophy. Frontiers in Cellular Neuroscience, 2014, 8, 405.	1.8	40
187	myomiR-dependent switching of BAF60 variant incorporation into Brg1 chromatin remodeling complexes during embryo myogenesis. Development (Cambridge), 2014, 141, 3378-3387.	1.2	58
188	Macros in microRNA target identification. RNA Biology, 2014, 11, 324-333.	1.5	39

#	Article	IF	CITATIONS
189	Involvement of MicroRNAs in the Regulation of Muscle Wasting during Catabolic Conditions. Journal of Biological Chemistry, 2014, 289, 21909-21925.	1.6	129
190	The miR-206/133b cluster is dispensable for development, survival and regeneration of skeletal muscle. Skeletal Muscle, 2014, 4, 23.	1.9	74
191	Analysis of microRNA from archived formalin-fixed paraffin-embedded specimens of amyotrophic lateral sclerosis. Acta Neuropathologica Communications, 2014, 2, 173.	2.4	33
192	Not <scp>miR</scp> ″y micromanagers: the functions and regulatory networks of microRNAs in mammalian skin. Wiley Interdisciplinary Reviews RNA, 2014, 5, 849-865.	3.2	8
193	Tissue-specific deregulation of selected HDACs characterizes ALS progression in mouse models: pharmacological characterization of SIRT1 and SIRT2 pathways. Cell Death and Disease, 2014, 5, e1296-e1296.	2.7	45
194	Concise Review: Skeletal Muscle Stem Cells and Cardiac Lineage: Potential for Heart Repair. Stem Cells Translational Medicine, 2014, 3, 183-193.	1.6	27
195	Thyroid hormone regulates muscle fiber type conversion via miR-133a1. Journal of Cell Biology, 2014, 207, 753-766.	2.3	83
196	<scp>MicroRNA</scp> in skeletal muscle development, growth, atrophy, and disease. Wiley Interdisciplinary Reviews RNA, 2014, 5, 509-525.	3.2	54
197	Converging pathways involving microRNA-206 and the RNA-binding protein KSRP control post-transcriptionally utrophin A expression in skeletal muscle. Nucleic Acids Research, 2014, 42, 3982-3997.	6.5	23
198	ALS as a distal axonopathy: molecular mechanisms affecting neuromuscular junction stability in the presymptomatic stages of the disease. Frontiers in Neuroscience, 2014, 8, 252.	1.4	240
199	Aberrant RNA homeostasis in amyotrophic lateral sclerosis: potential for new therapeutic targets?. Neurodegenerative Disease Management, 2014, 4, 417-437.	1.2	13
200	Macro advances in microRNAs and myocardial regeneration. Current Opinion in Cardiology, 2014, 29, 207-213.	0.8	28
201	miR-142-3p enhances FcεRI-mediated degranulation in mast cells. Biochemical and Biophysical Research Communications, 2014, 443, 980-986.	1.0	42
202	The interplay between microRNAs and histone deacetylases in neurological diseases. Neurochemistry International, 2014, 77, 33-39.	1.9	28
203	microRNA-206 in Rat Medial Prefrontal Cortex Regulates BDNF Expression and Alcohol Drinking. Journal of Neuroscience, 2014, 34, 4581-4588.	1.7	116
204	Expression changes in human skeletal muscle mi <scp>RNA</scp> s following 10 days of bed rest in young healthy males. Acta Physiologica, 2014, 210, 655-666.	1.8	38
205	Serum miRâ€206 and other muscleâ€specific micro <scp>RNA</scp> s as nonâ€invasive biomarkers for Duchenne muscular dystrophy. Journal of Neurochemistry, 2014, 129, 877-883.	2.1	74
206	ROLE of exercise in maintaining the integrity of the neuromuscular junction. Muscle and Nerve, 2014, 49, 315-324.	1.0	89

ARTICLE IF CITATIONS Myostatin signaling regulates Akt activity via the regulation of miR-486 expression. International 207 1.2 107 Journal of Biochemistry and Cell Biology, 2014, 47, 93-103. Altered miRNA expression is associated with neuronal fate in G93A-SOD1 ependymal stem progenitor 208 cells. Experimental Neurology, 2014, 253, 91-101. 209 Molecular Determinants of Cardiac Development., 2014, , 115-149. 1 <scp>HDAC</scp>4 promotes <scp>P</scp>ax7â€dependent satellite cell activation and muscle 2.0 regeneration. EMBO Reports, 2014, 15, 1175-1183. The Emerging Roles of MicroRNAs in the Pathogenesis of Frontotemporal Dementia–Amyotrophic 211 0.6 46 Lateral Sclerosis (FTD-ALS) Spectrum Disorders. Journal of Neurogenetics, 2014, 28, 30-40. MicroRNAs 206 and 21 Cooperate To Promote RAS–Extracellular Signal-Regulated Kinase Signaling by Suppressing the Translation of <i>RASA1</i> and <i>SPRED1</i>. Molecular and Cellular Biology, 2014, 1.1 34, 4143-4164. Skeletal Muscle Satellite Cells in Amyotrophic Lateral Sclerosis. Ultrastructural Pathology, 2014, 38, 213 0.4 37 295-302. Serum microRNAs in patients with genetic amyotrophic lateral sclerosis and pre-manifest mutation 214 3.7 carriers. Brain, 2014, 137, 2938-2950. 215 Conversion of Human Fibroblasts Into Monocyte-Like Progenitor Cells. Stem Cells, 2014, 32, 2923-2938. 1.4 40 On the origin of information in epigenetic structures in metazoans. Medical Hypotheses, 2014, 83, 0.8 378-386. Differential expression of microRNA-206 in the gastrocnemius and biceps brachii in response to CSF from sporadic amyotrophic lateral sclerosis patients. Journal of the Neurological Sciences, 2014, 345, 217 0.3 9 254-256. Conditions that promote primary human skeletal myoblast culture and muscle differentiation in 2.1 vitro. American Journal of Physiology - Cell Physiology, 2014, 306, C385-C395. MicroRNA-922 promotes tau phosphorylation by downregulating ubiquitin carboxy-terminal hydrolase L1 (UCHL1) expression in the pathogenesis of Alzheimer's disease. Neuroscience, 2014, 275, 219 1.1 48 232-237. MicroRNAs differentially regulated in cardiac and skeletal muscle in health and disease: Potential drug targets?. Clinical and Experimental Pharmacology and Physiology, 2014, 41, n/a-n/a. 24 The RNA-binding Protein TDP-43 Selectively Disrupts MicroRNA-1/206 Incorporation into the 221 1.6 69 RNA-induced Silencing Complex. Journal of Biological Chemistry, 2014, 289, 14263-14271. Deciphering the Function and Regulation of microRNAs in Alzheimer's Disease and Parkinson's Disease. 1.7 43 ACS Chemical Neuroscience, 2014, 5, 884-894. RNA metabolism in ALS: When normal processes become pathological. Amyotrophic Lateral Sclerosis 223 1.1 61 and Frontotemporal Degeneration, 2014, 15, 321-336. The <i>H19</i> long noncoding RNA gives rise to microRNAs miR-675-3p and miR-675-5p to promote 224 skeletal muscle differentiation and regeneration. Genes and Development, 2014, 28, 491-501.

#	Article	IF	CITATIONS
225	Advances in the understanding of skeletal muscle weakness in murine models of diseases affecting nerve-evoked muscle activity, motor neurons, synapses and myofibers. Neuromuscular Disorders, 2014, 24, 960-972.	0.3	11
226	The role of miRNA in motor neuron disease. Frontiers in Cellular Neuroscience, 2014, 8, 15.	1.8	47
227	Smads as muscle biomarkers in amyotrophic lateral sclerosis. Annals of Clinical and Translational Neurology, 2014, 1, 778-787.	1.7	23
228	Response to the letter to the editor by Kristensen <scp>MM</scp> , Helge <scp>JW</scp> and Dela F. Acta Physiologica, 2015, 215, 76-78.	1.8	0
229	Dynamic expression of miR-206-3p during mouse skin development is independent of keratinocyte differentiation. Molecular Medicine Reports, 2015, 12, 8113-8120.	1.1	6
230	miRNAs: Key Players in Neurodegenerative Disorders and Epilepsy. Journal of Alzheimer's Disease, 2015, 48, 563-580.	1.2	107
231	RBMMMDA: predicting multiple types of disease-microRNA associations. Scientific Reports, 2015, 5, 13877.	1.6	154
232	Dysregulated mi <scp>RNA</scp> biogenesis downstream of cellular stress and <scp>ALS</scp> â€causing mutations: a new mechanism for <scp>ALS</scp> . EMBO Journal, 2015, 34, 2633-2651.	3.5	176
233	A shared mechanism of muscle wasting in cancer and Huntington's disease. Clinical and Translational Medicine, 2015, 4, 34.	1.7	22
234	Mechanisms of Muscle Denervation in Aging: Insights from a Mouse Model of Amyotrophic Lateral Sclerosis. , 2015, 6, 380.		25
235	Roles of the canonical myomiRs miR-1, -133 and -206 in cell development and disease. World Journal of Biological Chemistry, 2015, 6, 162.	1.7	128
236	Noncoding RNAs, Emerging Regulators of Skeletal Muscle Development and Diseases. BioMed Research International, 2015, 2015, 1-17.	0.9	82
237	The role of microRNAs in skeletal muscle health and disease. Frontiers in Bioscience - Landmark, 2015, 20, 37-77.	3.0	56
238	"Skeletal Muscle MicroRNAs: Their Diagnostic and Therapeutic Potential in Human Muscle Diseases― Journal of Neuromuscular Diseases, 2015, 2, 1-11.	1.1	35
239	Circulating Biomarkers for Duchenne Muscular Dystrophy. Journal of Neuromuscular Diseases, 2015, 2, S49-S58.	1.1	20
240	Cellular mechanotransduction of physical force and organ response to exercise-induced mechanical stimuli. The Journal of Physical Fitness and Sports Medicine, 2015, 4, 83-91.	0.2	1
241	Analysis of MicroRNA Expression Profiles in Weaned Pig Skeletal Muscle after Lipopolysaccharide Challenge. International Journal of Molecular Sciences, 2015, 16, 22438-22455.	1.8	22
242	MicroRNA Mechanisms of Action: What have We Learned from Mice?. Frontiers in Genetics, 2015, 6, 328.	1.1	32

		CITATION RI	EPORT	
#	Article		IF	CITATIONS
243	Transfection of microRNA Mimics Should Be Used with Caution. Frontiers in Genetics, 2	015, 6, 340.	1.1	144
244	HDAC4 as a potential therapeutic target in neurodegenerative diseases: a summary of reachievements. Frontiers in Cellular Neuroscience, 2015, 9, 42.	ecent	1.8	90
245	Regulatory roles of RNA binding proteins in the nervous system of C. elegans. Frontiers Neuroscience, 2014, 7, 100.	in Molecular	1.4	5
246	MicroRNA-499 Expression Distinctively Correlates to Target Genes sox6 and rod1 Profile the Skeletal Muscle Phenotype in Nile Tilapia. PLoS ONE, 2015, 10, e0119804.	es to Resolve	1.1	36
247	MicroRNA Profiling of Atrial Fibrillation in Canines: MiR-206 Modulates Intrinsic Cardiac Nerve Remodeling by Regulating SOD1. PLoS ONE, 2015, 10, e0122674.	Autonomic	1.1	70
248	An In Vitro Model of Skeletal Muscle Volume Regulation. PLoS ONE, 2015, 10, e012788	9.	1.1	3
249	Expression of Muscle-Specific MiRNA 206 in the Progression of Disease in a Murine SMA ONE, 2015, 10, e0128560.	Model. PLoS	1.1	56
250	Neuronal Differentiation of Human Mesenchymal Stem Cells Using Exosomes Derived fr Differentiating Neuronal Cells. PLoS ONE, 2015, 10, e0135111.	om	1.1	120
251	Investigation of the Expression of Myogenic Transcription Factors, microRNAs and Musc Ubiquitin Ligases in the Medial Gastrocnemius and Soleus Muscles following Peripheral PLoS ONE, 2015, 10, e0142699.		1.1	18
252	RNA-Binding Proteins in the Regulation of miRNA Activity: A Focus on Neuronal Function Biomolecules, 2015, 5, 2363-2387.	1S.	1.8	32
253	Inducible depletion of adult skeletal muscle stem cells impairs the regeneration of neuro junctions. ELife, 2015, 4, .	omuscular	2.8	103
254	Long Non-Coding RNAs, Ubiquitin Proteasome System, Collagen Degradation and Prete Rupture of Membrane. Advancements in Genetic Engineering, 2015, 04, .	rm Premature	0.1	2
255	Kruppel-like factor 4 signals through microRNA-206 to promote tumor initiation and cel Oncogenesis, 2015, 4, e155-e155.	survival.	2.1	24
256	Regulation of Skeletal Muscle Development and Disease by microRNAs. Results and Pro Differentiation, 2015, 56, 165-190.	blems in Cell	0.2	15
257	Dach2-Hdac9 signaling regulates reinnervation of muscle endplates. Development (Cam 142, 4038-48.	ıbridge), 2015,	1.2	30
259	The Emerging Role of MitomiRs in the Pathophysiology of Human Disease. Advances in I Medicine and Biology, 2015, 888, 123-154.	Experimental	0.8	65
260	microRNAs and Neurodegenerative Diseases. Advances in Experimental Medicine and Bi 85-105.	ology, 2015, 888,	0.8	84
261	Role of miR206 in genistein-induced rescue of pulmonary hypertension in monocrotaling Journal of Applied Physiology, 2015, 119, 1374-1382.	e model.	1.2	16

		CITATION REF	PORT	
#	Article		IF	CITATIONS
262	MicroRNA Function in Muscle Homeostasis and Regenerative Medicine. , 2015, , 287-310.			1
263	Improved knee extensor strength with resistance training associates with muscle specific miRNAs older adults. Experimental Gerontology, 2015, 62, 7-13.	in	1.2	20
264	MiRNA inhibition in tissue engineering and regenerative medicine. Advanced Drug Delivery Reviev 2015, 88, 123-137.	'S,	6.6	72
265	MicroRNAs as Future Therapeutic Targets for Spinal Cord Injury. , 2015, , 685-710.			0
266	Regulation of skeletal muscle development and homeostasis by gene imprinting, histone acetylat and microRNA. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2015, 1849, 309-3	on 16.	0.9	50
267	MicroRNAs in Skeletal Muscle Differentiation. , 2015, , 419-446.			1
268	Epigenetic regulation of lncRNA connects ubiquitin-proteasome system with infection-inflammati in preterm births and preterm premature rupture of membranes. BMC Pregnancy and Childbirth, 2 15, 35.		0.9	27
269	MicroRNAs in Cardiac Regeneration. , 2015, , 917-942.			1
270	Identification and bioinformatics analysis of miRNAs involved in bovine skeletal muscle satellite co myogenic differentiation. Molecular and Cellular Biochemistry, 2015, 404, 113-122.	91 	1.4	18
271	Up-regulation of neural and cell cycle-related microRNAs in brain of amyotrophic lateral sclerosis mice at late disease stage. Molecular Brain, 2015, 8, 5.		1.3	49
272	MicroRNAs as Potential Signatures of Environmental Exposure or Effect: A Systematic Review. Environmental Health Perspectives, 2015, 123, 399-411.		2.8	253
273	HDAC4-Myogenin Axis As an Important Marker of HD-Related Skeletal Muscle Atrophy. PLoS Gen 2015, 11, e1005021.	etics,	1.5	56
274	Expression profiles of MiRNAs for intrinsic musculature of the forepaw and biceps in the rat mode simulating irreversible muscular atrophy of obstetric brachial plexus palsy. Gene, 2015, 565, 268-	 274.	1.0	8
275	Amyotrophic lateral sclerosis: mechanisms and therapeutics in the epigenomic era. Nature Review Neurology, 2015, 11, 266-279.	S	4.9	186
276	Amyotrophic Lateral Sclerosis as a Spatiotemporal Mislocalization Disease: Location, Location, Location, Location. International Review of Cell and Molecular Biology, 2015, 315, 23-71.		1.6	18
277	Outside the coding genome, mammalian microRNAs confer structural and functional complexity. Science Signaling, 2015, 8, re2.		1.6	57
278	Huntington's disease is a multi-system disorder. Rare Diseases (Austin, Tex), 2015, 3, e1058464.		1.8	42
279	miR-206 Mediates YAP-Induced Cardiac Hypertrophy and Survival. Circulation Research, 2015, 11 891-904.	7,	2.0	133

#	Article	IF	CITATIONS
280	microRNAs: Modulators of the underlying pathophysiology of sarcopenia?. Ageing Research Reviews, 2015, 24, 263-273.	5.0	62
281	Identification of plasma microRNAs as a biomarker of sporadic Amyotrophic Lateral Sclerosis. Molecular Brain, 2015, 8, 67.	1.3	97
282	From Discovery to Function: The Expanding Roles of Long NonCoding RNAs in Physiology and Disease. Endocrine Reviews, 2015, 36, 25-64.	8.9	351
283	MicroRNAâ€206 regulates surfactant secretion by targeting VAMPâ€2. FEBS Letters, 2015, 589, 172-176.	1.3	8
284	Effects of simulated microgravity on microRNA and mRNA expression profile of rat soleus. Acta Astronautica, 2015, 107, 40-49.	1.7	6
285	MicroRNAs as Potential Circulating Biomarkers for Amyotrophic Lateral Sclerosis. Journal of Molecular Neuroscience, 2015, 56, 102-112.	1.1	49
286	Gene expression signatures in motor neurone disease fibroblasts reveal dysregulation of metabolism, hypoxiaâ€response and <scp>RNA</scp> processing functions. Neuropathology and Applied Neurobiology, 2015, 41, 201-226.	1.8	73
287	Biomarker development for C9orf72 repeat expansion in ALS. Brain Research, 2015, 1607, 26-35.	1.1	25
288	miR-206 modulates lipopolysaccharide-mediated inflammatory cytokine production in human astrocytes. Cellular Signalling, 2015, 27, 61-68.	1.7	28
289	The Roles of MicroRNAs and Protein Components of the MicroRNA Pathway in Lung Development and Diseases. American Journal of Respiratory Cell and Molecular Biology, 2015, 52, 397-408.	1.4	27
290	MicroRNAs in Amyotrophic Lateral Sclerosis. , 2016, , .		1
291	Tiny microRNAs Fine-Tune Amyotrophic Lateral Sclerosis Regulation. , 0, , .		0
292	From Nutrient to MicroRNA: a Novel Insight into Cell Signaling Involved in Skeletal Muscle Development and Disease. International Journal of Biological Sciences, 2016, 12, 1247-1261.	2.6	20
293	Small RNA Delivery for In Situ Tissue Regeneration. , 2016, , 111-135.		2
295	M1 and M2 Functional Imprinting of Primary Microglia: Role of P2X7 Activation and miR-125b. Mediators of Inflammation, 2016, 2016, 1-9.	1.4	43
296	miR-628 Promotes Burn-Induced Skeletal Muscle Atrophy via Targeting IRS1. International Journal of Biological Sciences, 2016, 12, 1213-1224.	2.6	22
297	Neuromuscular Junctions as Key Contributors and Therapeutic Targets in Spinal Muscular Atrophy. Frontiers in Neuroanatomy, 2016, 10, 6.	0.9	48
298	Aberration of miRNAs Expression in Leukocytes from Sporadic Amyotrophic Lateral Sclerosis. Frontiers in Molecular Neuroscience, 2016, 9, 69.	1.4	55

ARTICLE IF CITATIONS Characterization of miR-206 Promoter and Its Association with Birthweight in Chicken. International 299 13 1.8 Journal of Molecular Sciences, 2016, 17, 559. Circulating MicroRNAs as Potential Biomarkers of Exercise Response. International Journal of 1.8 Molecular Sciences, 2016, 17, 1553. The Signature of MicroRNA Dysregulation in Muscle Paralyzed by Spinal Cord Injury Includes 301 17 1.1 Downregulation of MicroRNAs that Target Myostatin Signaling. PLoS ONE, 2016, 11, e0166189. Skeletal Muscle Satellite Cells, Mitochondria, and MicroRNAs: Their Involvement in the Pathogenesis of ALS. Frontiers in Physiology, 2016, 7, 403. Therapeutic progress in amyotrophic lateral sclerosis-beginning to learning. European Journal of 303 2.6 59 Medicinal Chemistry, 2016, 121, 903-917. Altered Levels of MicroRNA-9, -206, and -132 in Spinal Muscular Atrophy and Their Response to Antisense Oligonucleotide Therapy. Molecular Therapy - Nucleic Acids, 2016, 5, e331. 2.3 Selective Expression of Osteopontin in ALS-resistant Motor Neurons is a Critical Determinant of Late 305 1.6 54 Phase Neurodegeneration Mediated by Matrix Metalloproteinase-9. Scientific Reports, 2016, 6, 27354. ALS: A bucket of genes, environment, metabolism and unknown ingredients. Progress in Neurobiology, 306 2.8 158 2016, 142, 104-129. Ageing in relation to skeletal muscle dysfunction: redox homoeostasis to regulation of gene 307 29 1.0 expression. Mammalian Genome, 2016, 27, 341-357. Epigenetics of Muscle Disorders., 2016, , 315-333. Ageâ€related changes in miRâ€143â€3p:lgfbp5 interactions affect muscle regeneration. Aging Cell, 2016, 15, 310 3.0 68 361-369. The Role of Skeletal Muscle in Amyotrophic Lateral Sclerosis. Brain Pathology, 2016, 26, 227-236. 311 2.1 133 MicroRNAs-424 and 206 are potential prognostic markers in spinal onset amyotrophic lateral 312 0.3 76 sclerosis. Journal of the Neurological Sciences, 2016, 368, 19-24. Severe muscle wasting and denervation in mice lacking the RNA-binding protein ZFP106. Proceedings of 3.3 34 the National Academy of Sciences of the United States of America, 2016, 113, E4494-503. 314 Decoding ALS: from genes to mechanism. Nature, 2016, 539, 197-206. 13.7 1,533 <i>α</i><scp>CAR IGF</scp>â€1 vector targeting of motor neurons ameliorates disease progression in <scp>ALS</scp> mice. Annals of Clinical and Translational Neurology, 2016, 3, 752-768. Emerging roles for histone deacetylases in age-related muscle atrophy. Nutrition and Healthy Aging, 316 0.5 31 2016, 4, 17-30. Synaptic Failure: Focus in an Integrative View of ALS. Brain Plasticity, 2016, 1, 159-175.

ARTICLE IF CITATIONS # Diverse roles of the nucleic acidâ€binding protein <scp>KHSRP</scp> in cell differentiation and disease. 318 3.2 57 Wiley Interdisciplinary Reviews RNA, 2016, 7, 227-240. PAX7 is a required target for microRNA-206-induced differentiation of fusion-negative 2.7 rhabdomyosarcoma. Čell Death and Disease, 2016, 7, e2256-e2256. The long and short of non-coding RNAs during post-natal growth and differentiation of skeletal 320 1.0 57 muscles: Focus on IncRNA and miRNAs. Differentiation, 2016, 92, 237-248. MicroRNA-155 facilitates skeletal muscle regeneration by balancing pro- and anti-inflammatory macrophages. Cell Death and Disease, 2016, 7, e2261-e2261. Vulnerability of microRNA biogenesis in FTD–ALS. Brain Research, 2016, 1647, 105-111. 322 1.1 32 Omics/systems biology and cancer cachexia. Seminars in Cell and Developmental Biology, 2016, 54, 2.3 92-103. 324 The â€⁻Omicsâ€[™] of Amyotrophic Lateral Sclerosis. Trends in Molecular Medicine, 2016, 22, 53-67. 3.5 33 Acupuncture plus low-frequency electrical stimulation (Acu-LFES) attenuates denervation-induced 1.2 39 muscle atrophy. Journal of Applied Physiology, 2016, 120, 426-436. Isolation, expression analysis and characterization of NEFA-interacting nuclear protein 30 and RING 326 1.0 11 finger and SPRY domain containing 1 in skeletal muscle. Gene, 2016, 576, 319-332. Regulation of class IIa HDAC activities: it is not only matter of subcellular localization. Epigenomics, 1.0 2016, 8, 251-269. The functional consequences of age-related changes in microRNA expression in skeletal muscle. 328 2.0 54 Biogerontology, 2016, 17, 641-654. The role of microRNAs in cardiac development and regenerative capacity. American Journal of 1.5 49 Physiology - Heart and Circulatory Physiology, 2016, 310, H528-H541. Expression of microRNAs in human post-mortem amyotrophic lateral sclerosis spinal cords provides 330 1.0 76 insight into disease mechanisms. Molecular and Cellular Neurosciences, 2016, 71, 34-45. Muscle-specific microRNAs in skeletal muscle development. Developmental Biology, 2016, 410, 1-13. 389 microRNAs as neuroregulators, biomarkers and therapeutic agents in neurodegenerative diseases. 332 92 2.4 Cellular and Molecular Life Sciences, 2016, 73, 811-827. Pathological microRNAs in acute cardiovascular diseases and microRNA therapeutics. Journal of Acute Disease, 2016, 5, 9-15. MicroRNA Profiling Identifies miR-196a as Differentially Expressed in Childhood 334 Adrenoleukodystrophy and Adult Adrenomyeloneuropathy. Molecular Neurobiology, 2017, 54, 1.9 10 1392-1403. Amikacin Inhibits miR-497 Maturation and Exerts Post-ischemic Neuroprotection. Molecular Neurobiology, 2017, 54, 3683-3694.

#	Article	IF	CITATIONS
336	Loss of Ranbp2 in motor neurons causes the disruption of nucleocytoplasmic and chemokine signaling and proteostasis of hnRNPH3 and Mmp28, and the development of amyotrophic lateral sclerosis (ALS)-like syndromes. DMM Disease Models and Mechanisms, 2017, 10, 559-579.	1.2	34
337	miRNAs as biomarkers of neurodegenerative disorders. Biomarkers in Medicine, 2017, 11, 151-167.	0.6	54
338	Muscle-specific microRNA-206 targets multiple components in dystrophic skeletal muscle representing beneficial adaptations. American Journal of Physiology - Cell Physiology, 2017, 312, C209-C221.	2.1	19
339	The Influence of Extracellular RNA on Cell Behavior in Health, Disease, and Regeneration. Current Pathobiology Reports, 2017, 5, 13-22.	1.6	6
341	Noncoding RNAs and Their Potential Therapeutic Applications in Tissue Engineering. Engineering, 2017, 3, 3-15.	3.2	16
342	Approaches for the Discovery of Small Molecule Ligands Targeting microRNAs. Topics in Medicinal Chemistry, 2017, , 79-110.	0.4	12
343	Recent advances in understanding the role of miRNAs in exosomes and their therapeutic potential. Journal of Integrative Agriculture, 2017, 16, 753-761.	1.7	6
345	Epigenetic Mechanisms of Gene Regulation in Amyotrophic Lateral Sclerosis. Advances in Experimental Medicine and Biology, 2017, 978, 255-275.	0.8	35
346	Antisense Oligonucleotides: Translation from Mouse Models to Human Neurodegenerative Diseases. Neuron, 2017, 94, 1056-1070.	3.8	216
347	Sustained <scp>NF</scp> κB inhibition improves insulin sensitivity but is detrimental to muscle health. Aging Cell, 2017, 16, 847-858.	3.0	19
348	MicroRNAs: Biomarkers, Diagnostics, and Therapeutics. Methods in Molecular Biology, 2017, 1617, 57-67.	0.4	164
349	Molecular Mechanisms of Amyotrophic Lateral Sclerosis. , 2017, , 61-99.		6
350	MicroRNAs, Aging, Cellular Senescence, and Alzheimer's Disease. Progress in Molecular Biology and Translational Science, 2017, 146, 127-171.	0.9	72
351	MicroRNA Implications in Neurodegenerative Disorders. , 2017, , 329-341.		1
352	High content analysis in amyotrophic lateral sclerosis. Molecular and Cellular Neurosciences, 2017, 80, 180-191.	1.0	10
353	MicroRNA Dysregulation in Aging and Pathologies of the Skeletal Muscle. International Review of Cell and Molecular Biology, 2017, 334, 265-308.	1.6	10
354	Spinocerebellar ataxia: miRNAs expose biological pathways underlying pervasive Purkinje cell degeneration. Neurobiology of Disease, 2017, 108, 148-158.	2.1	4
355	Potential therapeutic targets for ALS: MIR206, MIR208b and MIR499 are modulated during disease progression in the skeletal muscle of patients. Scientific Reports, 2017, 7, 9538.	1.6	48

#	Article	IF	CITATIONS
356	mi <scp>RNA</scp> in spinal muscular atrophy pathogenesis and therapy. Journal of Cellular and Molecular Medicine, 2018, 22, 755-767.	1.6	46
357	Decreased myoblast differentiation in chronic binge alcohol-administered simian immunodeficiency virus-infected male macaques: role of decreased miR-206. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 313, R240-R250.	0.9	25
358	Micro-RNAs in ALS muscle: Differences in gender, age at onset and disease duration. Journal of the Neurological Sciences, 2017, 380, 58-63.	0.3	52
359	Silencing strategies for therapy of SOD1-mediated ALS. Neuroscience Letters, 2017, 636, 32-39.	1.0	55
360	Muscle Fibers Secrete FGFBP1 to Slow Degeneration of Neuromuscular Synapses during Aging and Progression of ALS. Journal of Neuroscience, 2017, 37, 70-82.	1.7	57
361	MicroRNAs in Muscle: Characterizing the Powerlifter Phenotype. Frontiers in Physiology, 2017, 8, 383.	1.3	45
362	Epigenetics in Stroke Recovery. Genes, 2017, 8, 89.	1.0	30
363	MotomiRs: miRNAs in Motor Neuron Function and Disease. Frontiers in Molecular Neuroscience, 2017, 10, 127.	1.4	26
364	Coordinated Actions of MicroRNAs with other Epigenetic Factors Regulate Skeletal Muscle Development and Adaptation. International Journal of Molecular Sciences, 2017, 18, 840.	1.8	65
365	Positive radionuclide imaging of miRNA expression using RILES and the human sodium iodide symporter as reporter gene is feasible and supports a protective role of miRNA-23a in response to muscular atrophy. PLoS ONE, 2017, 12, e0177492.	1.1	8
366	Identification of genome-wide non-canonical spliced regions and analysis of biological functions for spliced sequences using Read-Split-Fly. BMC Bioinformatics, 2017, 18, 382.	1.2	5
367	Correlating serum micrornas and clinical parameters in amyotrophic lateral sclerosis. Muscle and Nerve, 2018, 58, 261-269.	1.0	78
368	HDAC4 regulates satellite cell proliferation and differentiation by targeting P21 and Sharp1 genes. Scientific Reports, 2018, 8, 3448.	1.6	37
369	Activation of AMPK inhibits TGF-β1-induced airway smooth muscle cells proliferation and its potential mechanisms. Scientific Reports, 2018, 8, 3624.	1.6	41
370	FUS Regulates Activity of MicroRNA-Mediated Gene Silencing. Molecular Cell, 2018, 69, 787-801.e8.	4.5	76
371	Muscle microRNA signatures as biomarkers of disease progression in amyotrophic lateral sclerosis. Neurobiology of Disease, 2018, 114, 85-94.	2.1	40
372	Smokeâ€induced neuromuscular junction degeneration precedes the fibre type shift and atrophy in chronic obstructive pulmonary disease. Journal of Physiology, 2018, 596, 2865-2881.	1.3	34
373	Differential expression of microRNAs and other small RNAs in muscle tissue of patients with ALS and healthy age-matched controls. Scientific Reports, 2018, 8, 5609.	1.6	65

#	Article	IF	CITATIONS
374	The Composition, Development, and Regeneration of Neuromuscular Junctions. Current Topics in Developmental Biology, 2018, 126, 99-124.	1.0	29
375	miR-1275 controls granulosa cell apoptosis and estradiol synthesis by impairing LRH-1/CYP19A1 axis. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2018, 1861, 246-257.	0.9	42
376	Multi-Omics for Biomarker Discovery and Target Validation in Biofluids for Amyotrophic Lateral Sclerosis Diagnosis. OMICS A Journal of Integrative Biology, 2018, 22, 52-64.	1.0	31
377	Genome-wide circulating microRNA expression profiling reveals potential biomarkers for amyotrophic lateral sclerosis. Neurobiology of Aging, 2018, 64, 123-138.	1.5	53
378	High content image analysis reveals function of miR-124 upstream of Vimentin in regulating motor neuron mitochondria. Scientific Reports, 2018, 8, 59.	1.6	30
379	miR-206 is required for changes in cell adhesion that drive muscle cell morphogenesis in Xenopus laevis. Developmental Biology, 2018, 438, 94-110.	0.9	11
380	Effects of Class II-Selective Histone Deacetylase Inhibitor on Neuromuscular Function and Disease Progression in SOD1-ALS Mice. Neuroscience, 2018, 379, 228-238.	1.1	22
381	Metazoan MicroRNAs. Cell, 2018, 173, 20-51.	13.5	2,775
382	The miR206-JunD Circuit Mediates the Neurotoxic Effect of Methylmercury in Cortical Neurons. Toxicological Sciences, 2018, 163, 569-578.	1.4	20
383	MicroRNA Metabolism and Dysregulation in Amyotrophic Lateral Sclerosis. Molecular Neurobiology, 2018, 55, 2617-2630.	1.9	51
384	Stress-induced changes in miRNA biogenesis and functioning. Cellular and Molecular Life Sciences, 2018, 75, 177-191.	2.4	123
385	Prognostic value of circulating microRNAs on heart failureâ€related morbidity and mortality in two large diverse cohorts of general heart failure patients. European Journal of Heart Failure, 2018, 20, 67-75.	2.9	63
386	Muscle Expression of <i>SOD1^{G93A}</i> Triggers the Dismantlement of Neuromuscular Junction <i>via</i> PKC-Theta. Antioxidants and Redox Signaling, 2018, 28, 1105-1119.	2.5	56
387	Dysregulation of microRNA biogenesis machinery and microRNA/RNA ratio in skeletal muscle of amyotrophic lateral sclerosis mice. Muscle and Nerve, 2018, 57, 838-847.	1.0	9
388	Neuromuscular Junction Formation, Aging, and Disorders. Annual Review of Physiology, 2018, 80, 159-188.	5.6	240
389	Non-coding RNAs as Potential Targets for Treatment and Early Diagnosis of Age-Associated Neurodegenerative Diseases. , 2018, , 19-33.		1
390	MicroRNAs as Biomarkers in Amyotrophic Lateral Sclerosis. Cells, 2018, 7, 219.	1.8	74
391	Botulinum toxin A-induced muscle paralysis stimulates Hdac4 and differential miRNA expression. PLoS ONE, 2018, 13, e0207354.	1.1	5

#	ARTICLE	IF	CITATIONS
392	Noncoding RNAs in Muscle Atrophy. Advances in Experimental Medicine and Biology, 2018, 1088, 249-266.	0.8	8
393	microRNAs in Neurodegeneration: Current Findings and Potential Impacts. , 2018, 08, .		37
394	HDAC4 Regulates Skeletal Muscle Regeneration via Soluble Factors. Frontiers in Physiology, 2018, 9, 1387.	1.3	20
395	Fibroblast Growth Factor Binding Protein 3 (FGFBP3) impacts carbohydrate and lipid metabolism. Scientific Reports, 2018, 8, 15973.	1.6	12
396	Localization of RNAi Machinery to Axonal Branch Points and Growth Cones Is Facilitated by Mitochondria and Is Disrupted in ALS. Frontiers in Molecular Neuroscience, 2018, 11, 311.	1.4	35
397	Regulatory Role of MicroRNAs in Muscle Atrophy during Exercise Intervention. International Journal of Molecular Sciences, 2018, 19, 405.	1.8	29
398	Causes and consequences of age-related changes at the neuromuscular junction. Current Opinion in Physiology, 2018, 4, 32-39.	0.9	13
399	Transcriptomics in amyotrophic lateral sclerosis. Frontiers in Bioscience - Elite, 2018, 10, 103-121.	0.9	19
400	Expression of miR-206 in human islets and its role in glucokinase regulation. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E634-E637.	1.8	10
401	Hepatocyte Growth Factor Regulates the miR-206-HDAC4 Cascade to Control Neurogenic Muscle Atrophy following Surgical Denervation in Mice. Molecular Therapy - Nucleic Acids, 2018, 12, 568-577.	2.3	20
402	Regulation of MicroRNAs-Mediated Autophagic Flux: A New Regulatory Avenue for Neurodegenerative Diseases With Focus on Prion Diseases. Frontiers in Aging Neuroscience, 2018, 10, 139.	1.7	25
403	Differential Expression of Several miRNAs and the Host Genes AATK and DNM2 in Leukocytes of Sporadic ALS Patients. Frontiers in Molecular Neuroscience, 2018, 11, 106.	1.4	43
404	Safety and Feasibility of Lin- Cells Administration to ALS Patients: A Novel View on Humoral Factors and miRNA Profiles. International Journal of Molecular Sciences, 2018, 19, 1312.	1.8	19
405	Skeletal Muscle MicroRNAs as Key Players in the Pathogenesis of Amyotrophic Lateral Sclerosis. International Journal of Molecular Sciences, 2018, 19, 1534.	1.8	25
406	FGF binding proteins (FGFBPs): Modulators of FGF signaling in the developing, adult, and stressed nervous system. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 2983-2991.	1.8	17
407	Translational Control of the Myogenic Program in Developing, Regenerating, and Diseased Skeletal Muscle. Current Topics in Developmental Biology, 2018, 126, 67-98.	1.0	13
408	Advances and Limitations of Current Epigenetic Studies Investigating Mammalian Axonal Regeneration. Neurotherapeutics, 2018, 15, 529-540.	2.1	22
409	Mitochondrial regulation in skeletal muscle: A role for nonâ€coding RNAs?. Experimental Physiology, 2018, 103, 1132-1144.	0.9	10

	CHATION	LEPURI	1
#	ARTICLE	IF	CITATIONS
410	Emerging role of MicroRNAs in peripheral nerve system. Life Sciences, 2018, 207, 227-233.	2.0	24
411	The Role of Exercise as a Non-pharmacological Therapeutic Approach for Amyotrophic Lateral Sclerosis: Beneficial or Detrimental?. Frontiers in Neurology, 2019, 10, 783.	1.1	48
412	Fidelity of muscle fibre reinnervation modulates ageing muscle impact in elderly women. Journal of Physiology, 2019, 597, 5009-5023.	1.3	62
414	Intramuscular delivery of HGF-expressing recombinant AAV improves muscle integrity and alleviates neurological symptoms in the nerve crush and SOD1-G93A transgenic mouse models. Biochemical and Biophysical Research Communications, 2019, 517, 452-457.	1.0	11
415	Epigenetics and Ageing. , 2019, , 99-133.		3
416	Restoration of histone acetylation ameliorates disease and metabolic abnormalities in a FUS mouse model. Acta Neuropathologica Communications, 2019, 7, 107.	2.4	61
417	Genes and response to aerobic training. , 2019, , 169-188.		2
418	MicroRNAâ€206 regulates cell proliferation by targeting G6PD in skeletal muscle. FASEB Journal, 2019, 33, 14083-14094.	0.2	18
419	Renal Ca2+ and Water Handling in Response to Calcium Sensing Receptor Signaling: Physiopathological Aspects and Role of CaSR-Regulated microRNAs. International Journal of Molecular Sciences, 2019, 20, 5341.	1.8	18
420	Elevated serum creatine kinase in the early stage of sporadic amyotrophic lateral sclerosis. Journal of Neurology, 2019, 266, 2952-2961.	1.8	20
421	Non-Coding RNA Regulates the Myogenesis of Skeletal Muscle Satellite Cells, Injury Repair and Diseases. Cells, 2019, 8, 988.	1.8	60
422	Biogenesis and ceRNA role of circular RNAs in skeletal muscle myogenesis. International Journal of Biochemistry and Cell Biology, 2019, 117, 105621.	1.2	13
423	FUS-mediated regulation of acetylcholine receptor transcription at neuromuscular junctions is compromised in amyotrophic lateral sclerosis. Nature Neuroscience, 2019, 22, 1793-1805.	7.1	81
424	Histone deacetylase 4 protects from denervation and skeletal muscle atrophy in a murine model of amyotrophic lateral sclerosis. EBioMedicine, 2019, 40, 717-732.	2.7	39
425	Uses for humanised mouse models in precision medicine for neurodegenerative disease. Mammalian Genome, 2019, 30, 173-191.	1.0	22
426	Secreted miRNAs in the tripartite neuromuscular junction. ExRNA, 2019, 1, .	1.0	1
427	Neuroprotection in Amyotrophic Lateral Sclerosis. Springer Protocols, 2019, , 609-641.	0.1	1
428	Mir-17â^¼92 Confers Motor Neuron Subtype Differential Resistance to ALS-Associated Degeneration. Cell Stem Cell, 2019, 25, 193-209.e7.	5.2	35

#	Article	IF	CITATIONS
429	MicroRNA suppression of stress-responsive NDRG2 during dexamethasone treatment in skeletal muscle cells. BMC Molecular and Cell Biology, 2019, 20, 12.	1.0	3
430	Signal Exchange through Extracellular Vesicles in Neuromuscular Junction Establishment and Maintenance: From Physiology to Pathology. International Journal of Molecular Sciences, 2019, 20, 2804.	1.8	15
431	Intrathecal delivery of recombinant AAV1 encoding hepatocyte growth factor improves motor functions and protects neuromuscular system in the nerve crush and SOD1-G93A transgenic mouse models. Acta Neuropathologica Communications, 2019, 7, 96.	2.4	13
432	MicroRNA in Acupuncture Studies: Does Small RNA Shed Light on the Biological Mechanism of Acupuncture?. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-8.	0.5	4
433	Circular RNA SNX29 Sponges miR-744 to Regulate Proliferation and Differentiation of Myoblasts by Activating the Wnt5a/Ca2+ Signaling Pathway. Molecular Therapy - Nucleic Acids, 2019, 16, 481-493.	2.3	74
434	Exercise preconditioning attenuates hind limb unloading-induced gastrocnemius muscle atrophy possibly via the HDAC4/Gadd45 axis in old rats. Experimental Gerontology, 2019, 122, 34-41.	1.2	13
435	Dysregulation of microRNA metabolism in motor neuron diseases: Novel biomarkers and potential therapeutics. Non-coding RNA Research, 2019, 4, 15-22.	2.4	16
436	Neuromuscular magnetic stimulation counteracts muscle decline in ALS patients: results of a randomized, double-blind, controlled study. Scientific Reports, 2019, 9, 2837.	1.6	21
437	Increased Extracellular Matrix Protein Production in Chronic Diabetic Complications: Implications of Non-Coding RNAs. Non-coding RNA, 2019, 5, 30.	1.3	21
438	Allogenic tissue-specific decellularized scaffolds promote long-term muscle innervation and functional recovery in a surgical diaphragmatic hernia model. Acta Biomaterialia, 2019, 89, 115-125.	4.1	24
439	Micro(RNA)-managing muscle wasting. Journal of Applied Physiology, 2019, 127, 619-632.	1.2	27
440	The dark side of HDAC inhibition in ALS. EBioMedicine, 2019, 41, 38-39.	2.7	10
441	Differential regulation of brainâ€derived neurotrophic factor (BDNF) expression in sensory neuron axons by miRNAâ€206. FEBS Open Bio, 2019, 9, 374-383.	1.0	6
442	Histone deacetylase 4 (HDAC4): a new player in anorexia nervosa?. Molecular Psychiatry, 2019, 24, 1425-1434.	4.1	12
443	Characterization of lncRNA–miRNA–mRNA Network to Reveal Potential Functional ceRNAs in Bovine Skeletal Muscle. Frontiers in Genetics, 2019, 10, 91.	1.1	39
444	Dual-specificity phosphatase 4 is upregulated during skeletal muscle atrophy and modulates extracellular signal-regulated kinase activity. American Journal of Physiology - Cell Physiology, 2019, 316, C567-C581.	2.1	14
445	Methylmercury Epigenetics. Toxics, 2019, 7, 56.	1.6	25
446	Study on variation trend of repetitive nerve stimulation waveform in amyotrophic lateral sclerosis. Chinese Medical Journal, 2019, 132, 542-550.	0.9	7

#	Article	IF	CITATIONS
447	Elevated Plasma microRNA-206 Levels Predict Cognitive Decline and Progression to Dementia from Mild Cognitive Impairment. Biomolecules, 2019, 9, 734.	1.8	41
448	miR-1/206 downregulates splicing factor Srsf9 to promote C2C12 differentiation. Skeletal Muscle, 2019, 9, 31.	1.9	15
449	Early-life Pb exposure as a potential risk factor for Alzheimer's disease: are there hazards for the Mexican population?. Journal of Biological Inorganic Chemistry, 2019, 24, 1285-1303.	1.1	11
450	Conditional Overexpression of rtn4al in Muscle of Adult Zebrafish Displays Defects Similar to Human Amyotrophic Lateral Sclerosis. Marine Biotechnology, 2019, 21, 52-64.	1.1	8
451	Development and characterization of a CNS-penetrant benzhydryl hydroxamic acid class IIa histone deacetylase inhibitor. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 83-88.	1.0	30
452	Micro <scp>RNA</scp> s as regulators of cell death mechanisms in amyotrophic lateral sclerosis. Journal of Cellular and Molecular Medicine, 2019, 23, 1647-1656.	1.6	24
453	MicroRNAs and Long Non-coding RNAs in Genetic Diseases. Molecular Diagnosis and Therapy, 2019, 23, 155-171.	1.6	44
454	Integrative Analysis of MicroRNAome, Transcriptome, and Proteome during the Limb Regeneration of <i>Cynops orientalis</i> . Journal of Proteome Research, 2019, 18, 1088-1098.	1.8	7
455	Muscle wasting in the presence of disease, why is it so variable?. Biological Reviews, 2019, 94, 1038-1055.	4.7	7
456	MyomiRNAs Dysregulation in ALS Rehabilitation. Brain Sciences, 2019, 9, 8.	1.1	24
456 457	MyomiRNAs Dysregulation in ALS Rehabilitation. Brain Sciences, 2019, 9, 8. The sympathetic nervous system regulates skeletal muscle motor innervation and acetylcholine receptor stability. Acta Physiologica, 2019, 225, e13195.	1.1 1.8	24 61
	The sympathetic nervous system regulates skeletal muscle motor innervation and acetylcholine		
457	The sympathetic nervous system regulates skeletal muscle motor innervation and acetylcholine receptor stability. Acta Physiologica, 2019, 225, e13195. MicroRNAs and complex diseases: from experimental results to computational models. Briefings in	1.8	61
457 458	The sympathetic nervous system regulates skeletal muscle motor innervation and acetylcholine receptor stability. Acta Physiologica, 2019, 225, e13195. MicroRNAs and complex diseases: from experimental results to computational models. Briefings in Bioinformatics, 2019, 20, 515-539. Skeletal muscle mTORC1 regulates neuromuscular junction stability. Journal of Cachexia, Sarcopenia	1.8 3.2	61 507
457 458 459	The sympathetic nervous system regulates skeletal muscle motor innervation and acetylcholine receptor stability. Acta Physiologica, 2019, 225, e13195. MicroRNAs and complex diseases: from experimental results to computational models. Briefings in Bioinformatics, 2019, 20, 515-539. Skeletal muscle mTORC1 regulates neuromuscular junction stability. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 208-225. MicroRNAs in amyotrophic lateral sclerosis: from pathogenetic involvement to diagnostic biomarker	1.8 3.2 2.9	61 507 43
457 458 459 460	The sympathetic nervous system regulates skeletal muscle motor innervation and acetylcholine receptor stability. Acta Physiologica, 2019, 225, e13195. MicroRNAs and complex diseases: from experimental results to computational models. Briefings in Bioinformatics, 2019, 20, 515-539. Skeletal muscle mTORC1 regulates neuromuscular junction stability. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 208-225. MicroRNAs in amyotrophic lateral sclerosis: from pathogenetic involvement to diagnostic biomarker and therapeutic agent development. Neurological Sciences, 2020, 41, 3569-3577. Motoneuron deafferentation and gliosis occur in association with neuromuscular regressive	1.8 3.2 2.9 0.9	61 507 43 17
457 458 459 460 461	The sympathetic nervous system regulates skeletal muscle motor innervation and acetylcholine receptor stability. Acta Physiologica, 2019, 225, e13195. MicroRNAs and complex diseases: from experimental results to computational models. Briefings in Bioinformatics, 2019, 20, 515-539. Skeletal muscle mTORC1 regulates neuromuscular junction stability. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 208-225. MicroRNAs in amyotrophic lateral sclerosis: from pathogenetic involvement to diagnostic biomarker and therapeutic agent development. Neurological Sciences, 2020, 41, 3569-3577. Motoneuron deafferentation and gliosis occur in association with neuromuscular regressive changes during ageing in mice. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 1628-1660. Long non-coding RNA366.2 controls endometrial epithelial cell proliferation and migration by upregulating WNT6 as a ceRNA of miR-1576 in sheep uterus. Biochimica Et Biophysica Acta - Gene	1.8 3.2 2.9 0.9 2.9	 61 507 43 17 21

#	Article	IF	Citations
465	Protective effects of acute exercise preconditioning on disuse-induced muscular atrophy in aged muscle: a narrative literature review. Journal of Physiological Sciences, 2020, 70, 55.	0.9	1
466	The Neuromuscular Junction in Health and Disease: Molecular Mechanisms Governing Synaptic Formation and Homeostasis. Frontiers in Molecular Neuroscience, 2020, 13, 610964.	1.4	83
467	Repeated Application of Autologous Bone Marrow-Derived Lineage-Negative Stem/Progenitor Cells—Focus on Immunological Pathways in Patients with ALS. Cells, 2020, 9, 1822.	1.8	9
468	MicroRNA-206 Regulates Stress-Provoked Aggressive Behaviors in Post-weaning Social Isolation Mice. Molecular Therapy - Nucleic Acids, 2020, 20, 812-822.	2.3	20
469	Elevated exosomal secretion of miR-124-3p from spinal neurons positively associates with disease severity in ALS. Experimental Neurology, 2020, 333, 113414.	2.0	40
470	Age-Associated Salivary MicroRNA Biomarkers for Oculopharyngeal Muscular Dystrophy. International Journal of Molecular Sciences, 2020, 21, 6059.	1.8	9
471	Humoral Influence of Repeated Lineage-Negative Stem/Progenitor Cell Administration on Articulatory Functions in ALS Patients. Stem Cells International, 2020, 2020, 1-13.	1.2	2
472	Connecting RNA-Modifying Similarities of TDP-43, FUS, and SOD1 with MicroRNA Dysregulation Amidst A Renewed Network Perspective of Amyotrophic Lateral Sclerosis Proteinopathy. International Journal of Molecular Sciences, 2020, 21, 3464.	1.8	19
473	Functional characterization of a FUS mutant zebrafish line as a novel genetic model for ALS. Neurobiology of Disease, 2020, 142, 104935.	2.1	18
475	Cellular and molecular features of neurogenic skeletal muscle atrophy. Experimental Neurology, 2020, 331, 113379.	2.0	24
476	MicroRNAs as regulators of brain function and targets for treatment of epilepsy. Nature Reviews Neurology, 2020, 16, 506-519.	4.9	92
477	Multiple Roles of Transforming Growth Factor Beta in Amyotrophic Lateral Sclerosis. International Journal of Molecular Sciences, 2020, 21, 4291.	1.8	27
478	Circulating RNAs as Potential Biomarkers in Amyotrophic Lateral Sclerosis. International Journal of Molecular Sciences, 2020, 21, 1714.	1.8	42
479	miR-206 knockout shows it is critical for myogenesis and directly regulates newly identified target mRNAs. RNA Biology, 2020, 17, 956-965.	1.5	8
480	ALS, a cellular whodunit on motor neuron degeneration. Molecular and Cellular Neurosciences, 2020, 107, 103524.	1.0	9
481	Identification of a potential non-coding RNA biomarker signature for amyotrophic lateral sclerosis. Brain Communications, 2020, 2, fcaa053.	1.5	34
482	miR-206 Enforces a Slow Muscle Phenotype. Journal of Cell Science, 2020, 133, .	1.2	16
483	Preclinical and Clinical Development of Noncoding RNA Therapeutics for Cardiovascular Disease. Circulation Research, 2020, 126, 663-678.	2.0	140

#	Article	IF	CITATIONS
484	Local and Systemic Humoral Response to Autologous Lineage-Negative Cells Intrathecal Administration in ALS Patients. International Journal of Molecular Sciences, 2020, 21, 1070.	1.8	11
485	Long non-coding RNA LOC105611671 modulates fibroblast growth factor 9 (FGF9) expression by targeting oar-miR-26a to promote testosterone biosynthesis in Hu sheep. Reproduction, Fertility and Development, 2020, 32, 373.	0.1	9
486	miR-206 Reduces the Severity of Motor Neuron Degeneration in the Facial Nuclei of the Brainstem in a Mouse Model of SMA. Molecular Therapy, 2020, 28, 1154-1166.	3.7	21
487	Pharmacological intervention of histone deacetylase enzymes in the neurodegenerative disorders. Life Sciences, 2020, 243, 117278.	2.0	50
488	Potential of activated microglia as a source of dysregulated extracellular microRNAs contributing to neurodegeneration in amyotrophic lateral sclerosis. Journal of Neuroinflammation, 2020, 17, 135.	3.1	25
489	Perisynaptic schwann cells - The multitasking cells at the developing neuromuscular junctions. Seminars in Cell and Developmental Biology, 2020, 104, 31-38.	2.3	29
490	MicroRNA regulatory networks in the pathogenesis of sarcopenia. Journal of Cellular and Molecular Medicine, 2020, 24, 4900-4912.	1.6	26
491	The roles of microRNA in redox metabolism and exercise-mediated adaptation. Journal of Sport and Health Science, 2020, 9, 405-414.	3.3	21
492	<i>miRâ€206</i> family is important for mitochondrial and muscle function, but not essential for myogenesis in vitro. FASEB Journal, 2020, 34, 7687-7702.	0.2	17
493	The Drosophila FUS ortholog cabeza promotes adult founder myoblast selection by Xrp1-dependent regulation of FGF signaling. PLoS Genetics, 2020, 16, e1008731.	1.5	1
494	Opportunities for histone deacetylase inhibition in amyotrophic lateral sclerosis. British Journal of Pharmacology, 2021, 178, 1353-1372.	2.7	20
495	What skeletal muscle has to say in amyotrophic lateral sclerosis: Implications for therapy. British Journal of Pharmacology, 2021, 178, 1279-1297.	2.7	18
496	The microRNA miRâ€133b functions to slow Duchenne muscular dystrophy pathogenesis. Journal of Physiology, 2021, 599, 171-192.	1.3	15
497	Maintenance and change of phenotype: Inheritance of acquired traits. , 2021, , 201-261.		0
498	Glial Cell Dysfunction in C9orf72-Related Amyotrophic Lateral Sclerosis and Frontotemporal Dementia. Cells, 2021, 10, 249.	1.8	16
499	Noncoding Gene Families of the Human Genome. , 2021, , 139-180.		1
500	Histone deacetylase in neuropathology. Advances in Clinical Chemistry, 2021, 104, 151-231.	1.8	13
501	TDP-43 Regulation of AChE Expression Can Mediate ALS-Like Phenotype in Zebrafish. Cells, 2021, 10, 221.	1.8	16

#	Article	IF	CITATIONS
502	Proteostatic imbalance and protein spreading in amyotrophic lateral sclerosis. EMBO Journal, 2021, 40, e106389.	3.5	32
503	Skeletal Muscle in ALS: An Unappreciated Therapeutic Opportunity?. Cells, 2021, 10, 525.	1.8	32
505	The mechanism by which noncoding RNAs regulate muscle wasting in cancer cachexia. Precision Clinical Medicine, 2021, 4, 136-147.	1.3	5
506	Exercise-Induced MicroRNA Regulation in the Mice Nervous System is Maintained After Activity Cessation. MicroRNA (Shariqah, United Arab Emirates), 2021, 10, 82-90.	0.6	1
507	MicroRNAs as Biomarkers of Charcot-Marie-Tooth Disease Type 1A. Neurology, 2021, 97, e489-e500.	1.5	14
508	Research progress on the regulatory role of microRNAs in spinal cord injury. Regenerative Medicine, 2021, 16, 465-476.	0.8	12
509	Age-Related Alterations at Neuromuscular Junction: Role of Oxidative Stress and Epigenetic Modifications. Cells, 2021, 10, 1307.	1.8	23
510	Targeting microRNA-mediated gene repression limits adipogenic conversion of skeletal muscle mesenchymal stromal cells. Cell Stem Cell, 2021, 28, 1323-1334.e8.	5.2	30
511	Dysregulation of Muscle-Specific MicroRNAs as Common Pathogenic Feature Associated with Muscle Atrophy in ALS, SMA and SBMA: Evidence from Animal Models and Human Patients. International Journal of Molecular Sciences, 2021, 22, 5673.	1.8	14
512	MyomiRs and their multifaceted regulatory roles in muscle homeostasis and amyotrophic lateral sclerosis. Journal of Cell Science, 2021, 134, .	1.2	15
514	Identification of potential microRNAs and KEGG pathways in denervation muscle atrophy based on meta-analysis. Scientific Reports, 2021, 11, 13560.	1.6	3
516	Fibro-Adipogenic Progenitors: Versatile keepers of skeletal muscle homeostasis, beyond the response to myotrauma. Seminars in Cell and Developmental Biology, 2021, 119, 23-31.	2.3	3
517	The Emerging Role of Long Non-Coding RNAs and MicroRNAs in Neurodegenerative Diseases: A Perspective of Machine Learning. Biomolecules, 2021, 11, 1132.	1.8	25
518	A mechanism of inheritance of acquired traits in animals. Developmental Biology, 2021, 475, 106-117.	0.9	4
519	Inducible and reversible inhibition of miRNA-mediated gene repression in vivo. ELife, 2021, 10, .	2.8	23
520	Circulating myomiRs in Muscle Denervation: From Surgical to ALS Pathological Condition. Cells, 2021, 10, 2043.	1.8	6
521	Exosomal Proteins and miRNAs as Mediators of Amyotrophic Lateral Sclerosis. Frontiers in Cell and Developmental Biology, 2021, 9, 718803.	1.8	9
522	RNA Deregulation in Amyotrophic Lateral Sclerosis: The Noncoding Perspective. International Journal of Molecular Sciences, 2021, 22, 10285.	1.8	18

#	Article	IF	CITATIONS
523	Dicer-mediated miRNA processing is not involved in controlling muscle mass during muscle atrophy. Scientific Reports, 2021, 11, 19361.	1.6	3
524	Emerging role of MyomiRs as biomarkers and therapeutic targets in skeletal muscle diseases. American Journal of Physiology - Cell Physiology, 2021, 321, C859-C875.	2.1	6
525	MicroRNAs associated with signaling pathways and exercise adaptation in sarcopenia. Life Sciences, 2021, 285, 119926.	2.0	7
526	MicroRNA expression in animal models of amyotrophic lateral sclerosis and potential therapeutic approaches. Neural Regeneration Research, 2022, 17, 728.	1.6	4
527	Amyotrophic Lateral Sclerosis: Current Status in Diagnostic Biomarkers. Advances in Experimental Medicine and Biology, 2020, 1195, 179-187.	0.8	3
528	Skeletal Muscle microRNAs: Roles in Differentiation, Disease and Exercise. Research and Perspectives in Endocrine Interactions, 2017, , 67-81.	0.2	9
529	HDACs in Skeletal Muscle Remodeling and Neuromuscular Disease. Handbook of Experimental Pharmacology, 2011, 206, 79-101.	0.9	8
530	The Role of MicroRNAs in Neurodegenerative Diseases: Implications for Early Detection and Treatment. , 2012, , 443-473.		1
531	MicroRNA Biomarkers for Stroke. Translational Medicine Research, 2017, , 319-356.	0.0	1
532	The Circular RNA circHUWE1 Sponges the miR-29b-AKT3 Axis to Regulate Myoblast Development. Molecular Therapy - Nucleic Acids, 2020, 19, 1086-1097.	2.3	44
534	Stress-dependent cardiac remodeling occurs in the absence of microRNA-21 in mice. Journal of Clinical Investigation, 2010, 120, 3912-3916.	3.9	325
535	Mice lacking microRNA 133a develop dynamin 2–dependent centronuclear myopathy. Journal of Clinical Investigation, 2011, 121, 3258-3268.	3.9	138
536	microRNA-206 promotes skeletal muscle regeneration and delays progression of Duchenne muscular dystrophy in mice. Journal of Clinical Investigation, 2012, 122, 2054-2065.	3.9	280
537	Non-coding RNAs in muscle differentiation and musculoskeletal disease. Journal of Clinical Investigation, 2016, 126, 2021-2030.	3.9	75
538	Recombinant adenoviral microRNA-206 induces myogenesis in C2C12 cells. Medical Science Monitor, 2011, 17, BR364-BR371.	0.5	6
539	Kits for RNA Extraction, Isolation, and Purification. Materials and Methods, 0, 2, .	0.0	4
540	Identification of Muscle-Specific MicroRNAs in Serum of Muscular Dystrophy Animal Models: Promising Novel Blood-Based Markers for Muscular Dystrophy. PLoS ONE, 2011, 6, e18388.	1.1	178
541	Expression of miRNAs miR-133b and miR-206 in the Il17a/f Locus Is Co-Regulated with IL-17 Production in αβ and γδT Cells. PLoS ONE, 2011, 6, e20171.	1.1	53

#	Article	IF	CITATIONS
542	Increased Angiogenesis and Improved Left Ventricular Function after Transplantation of Myoblasts Lacking the MyoD Gene into Infarcted Myocardium. PLoS ONE, 2012, 7, e41736.	1.1	13
543	Analysis of Novel NEFL mRNA Targeting microRNAs in Amyotrophic Lateral Sclerosis. PLoS ONE, 2014, 9, e85653.	1.1	39
544	The Role of Muscle microRNAs in Repairing the Neuromuscular Junction. PLoS ONE, 2014, 9, e93140.	1.1	60
545	A PCR-Based Method to Construct Lentiviral Vector Expressing Double Tough Decoy for miRNA Inhibition. PLoS ONE, 2015, 10, e0143864.	1.1	5
546	MicroRNA: New Era for Therapeutic Strategy in Ischaemic Heart Disease. Journal of Hypertension and Cardiology, 2017, 2, 12-23.	1.0	1
547	HDAC inhibitors tune miRNAs in extracellular vesicles of dystrophic muscleâ€resident mesenchymal cells. EMBO Reports, 2020, 21, e50863.	2.0	45
548	Age-associated miRNA Alterations in Skeletal Muscle from Rhesus Monkeys reversed by caloric restriction. Aging, 2013, 5, 692-703.	1.4	104
549	Circulating MiRNAs as biomarkers of gait speed responses to aerobic exercise training in obese older adults. Aging, 2017, 9, 900-913.	1.4	22
550	Angiogenesis-regulating microRNAs and Ischemic Stroke. Current Vascular Pharmacology, 2015, 13, 352-365.	0.8	135
551	Unraveling the Complexity of Amyotrophic Lateral Sclerosis: Recent Advances from the Transgenic Mutant SOD1 Mice. CNS and Neurological Disorders - Drug Targets, 2010, 9, 491-503.	0.8	31
552	MicroRNAs: Newcomers into the ALS Picture. CNS and Neurological Disorders - Drug Targets, 2015, 14, 194-207.	0.8	35
553	Current Update on Synopsis of miRNA Dysregulation in Neurological Disorders. CNS and Neurological Disorders - Drug Targets, 2015, 14, 492-501.	0.8	39
554	Neuronal dark matter: the emerging role of microRNAs in neurodegeneration. Frontiers in Cellular Neuroscience, 2013, 7, 178.	1.8	167
555	Morphological differences in skeletal muscle atrophy of rats with motor nerve and/or sensory nerve injury. Neural Regeneration Research, 2012, 7, 2507-15.	1.6	10
556	Circulating Plasma and Exosomal microRNAs as Indicators of Drug-Induced Organ Injury in Rodent Models. Biomolecules and Therapeutics, 2017, 25, 367-373.	1.1	39
557	Amyotrophic lateral sclerosis as a synaptopathy. Neural Regeneration Research, 2019, 14, 189.	1.6	53
558	Orchestrating stem cell fate: Novel tools for regenerative medicine. World Journal of Stem Cells, 2019, 11, 464-475.	1.3	17
559	Amyotrophic lateral sclerosis as a protein level, non-genomic disease: Therapy with S2RM exosome released molecules. World Journal of Stem Cells, 2017, 9, 187-202.	1.3	14

#	Article	IF	CITATIONS
560	State of the art and the dark side of amyotrophic lateral sclerosis. World Journal of Biological Chemistry, 2010, 1, 62.	1.7	31
561	The regulation of exosome function in the CNS: implications for neurodegeneration. Swiss Medical Weekly, 2015, 145, w14204.	0.8	36
562	MiR-26a promotes apoptosis of porcine granulosa cells by targeting the 3β-hydroxysteroid-Δ24-reductase gene. Asian-Australasian Journal of Animal Sciences, 2020, 33, 547-555.	2.4	9
563	Dlk1-Dio3 locus-derived lncRNAs perpetuate postmitotic motor neuron cell fate and subtype identity. ELife, 2018, 7, .	2.8	43
564	Free Fatty Acid Impairs Myogenic Differentiation through the AMPK <i>α</i> -MicroRNA 206 Pathway. Molecular and Cellular Biology, 2022, 42, MCB0032721.	1.1	5
565	Free radical biology in neurological manifestations: mechanisms to therapeutics interventions. Environmental Science and Pollution Research, 2022, 29, 62160-62207.	2.7	18
566	蛋癹⁄₂/è,¹⁄₂æ‡ç¾.å®žéªŒææ–™å'Œæ–¹æ³•, 0, cn2, .	0.0	0
567	Dysregulation of MicroRNA Expression and Human Diseases?. , 2012, , 553-571.		0
568	MicroRNAs in skeletal muscle. Japanese Journal of Physical Fitness and Sports Medicine, 2012, 61, 61-70.	0.0	2
569	microRNAç"ç©¶è⁼•å‰,综述. å®žéªŒææ–™å'Œæ–1法, 0, cn2, .	0.0	0
570	Tags peptidiques/protéiques. Materials and Methods, 0, fr2, .	0.0	0
571	Protein/Peptide Tags. Materials and Methods, 0, 2, .	0.0	0
572	MicroRNA Research Reagent Review. Materials and Methods, 0, 2, .	0.0	0
573	The Biology of Lysine Acetylation Integrates Transcriptional Programming and Metabolism. , 2013, , 141-166.		0
574	MicroRNA Gene Interaction in Amyotrophic Lateral Sclerosis Dataset. Dataset Papers in Science, 2014, 2014, 1-24.	1.0	0
583	MiR-129-5p: a novel therapeutic target for amyotrophic lateral sclerosis?. Non-coding RNA Investigation, 0, 4, 7-7.	0.6	0
584	miRNAs and Muscle Stem Cells. , 0, , .		0
586	Circulating microRNAs as potential biomarkers and therapeutic targets in spinal muscular atrophy. Therapeutic Advances in Neurological Disorders, 2020, 13, 175628642097995.	1.5	7

	CITATION	REPORT	
#	Article	IF	Citations
588	Therapeutic Implications of miRNAs for Muscle-Wasting Conditions. Cells, 2021, 10, 3035.	1.8	17
589	MiR-29c-3p inhibits proliferation and migration in rat primary cardiac fibroblasts via interacting with STAT3. Panminerva Medica, 2023, 65, .	0.2	2
591	miRNA-9 expression is upregulated in the spinal cord of G93A-SOD1 transgenic mice. International Journal of Clinical and Experimental Pathology, 2013, 6, 1826-38.	0.5	34
596	miR-23a suppression accelerates functional decline in the rNLS8 mouse model of TDP-43 proteinopathy. Neurobiology of Disease, 2022, 162, 105559.	2.1	2
597	Age-Related Exosomal and Endogenous Expression Patterns of miR-1, miR-133a, miR-133b, and miR-206 in Skeletal Muscles. Frontiers in Physiology, 2021, 12, 708278.	1.3	10
598	Dendrimer-2PMPA Delays Muscle Function Loss and Denervation in a Murine Model of Amyotrophic Lateral Sclerosis. Neurotherapeutics, 2022, 19, 274-288.	2.1	9
599	Decline of regenerative potential of old muscle stem cells: contribution to muscle aging. FEBS Journal, 2022, , .	2.2	3
600	Neuromuscular Junction Dysfunction in Amyotrophic Lateral Sclerosis. Molecular Neurobiology, 2022, 59, 1502-1527.	1.9	34
601	The Biogenesis of miRNAs and Their Role in the Development of Amyotrophic Lateral Sclerosis. Cells, 2022, 11, 572.	1.8	21
602	An Investigation of the Mechanisms of Radiation-Induced Muscle Injury in a Tree Shrew (<i>Tupaia) Tj ETQq1 1</i>	0.784314 u 0.7	rgBŢ /Overloc
603	Biomarkers in Human Peripheral Blood Mononuclear Cells: The State of the Art in Amyotrophic Lateral Sclerosis. International Journal of Molecular Sciences, 2022, 23, 2580.	1.8	11
604	Role of miRNAs in Neurodegeneration: From Disease Cause to Tools of Biomarker Discovery and Therapeutics. Genes, 2022, 13, 425.	1.0	39
605	MiR-208b Regulates the Conversion of Skeletal Muscle Fiber Types by Inhibiting Mettl8 Expression. Frontiers in Genetics, 2022, 13, 820464.	1.1	6
606	Cytoplasmic HDAC4 regulates the membrane repair mechanism in Duchenne muscular dystrophy. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 1339-1359.	2.9	11
607	MicroRNA-24-3p promotes skeletal muscle differentiation and regeneration by regulating HMGA1. Cellular and Molecular Life Sciences, 2022, 79, 170.	2.4	6
608	Argonaute 2 is lost from neuromuscular junctions affected with amyotrophic lateral sclerosis in SOD1G93A mice. Scientific Reports, 2022, 12, 4630.	1.6	0
609	Whole-genome sequencing reveals that variants in the Interleukin 18 Receptor Accessory Protein 3′UTR protect against ALS. Nature Neuroscience, 2022, 25, 433-445.	7.1	16
610	Opportunities Offered by Graphene Nanoparticles for MicroRNAs Delivery for Amyotrophic Lateral Sclerosis Treatment. Materials, 2022, 15, 126.	1.3	5

#	Article	IF	CITATIONS
611	LE-MDCAP: A Computational Model to Prioritize Causal miRNA-Disease Associations. International Journal of Molecular Sciences, 2021, 22, 13607.	1.8	3
629	<scp>MicroRNA</scp> â€206 inhibits <scp>HCV</scp> proliferation through depressing <scp>ACC1</scp> lipid synthesis signalling pathway. Journal of Viral Hepatitis, 2022, , .	1.0	2
630	Immunomodulatory Properties of Human Breast Milk: MicroRNA Contents and Potential Epigenetic Effects. Biomedicines, 2022, 10, 1219.	1.4	18
631	MicroRNA profiling reveals miRâ€145â€5p inhibits goat myoblast differentiation by targeting the coding domain sequence of USP13. FASEB Journal, 2022, 36, .	0.2	7
633	Control of CRK-RAC1 activity by the miR-1/206/133 miRNA family is essential for neuromuscular junction function. Nature Communications, 2022, 13, .	5.8	5
634	Electroacupuncture Alleviates Neuropathic Pain through Regulating miR-206-3p Targeting BDNF after CCI. Neural Plasticity, 2022, 2022, 1-15.	1.0	4
635	H19 inhibition increases HDAC6 and regulates IRS1 levels and insulin signaling in the skeletal muscle during diabetes. Molecular Medicine, 2022, 28, .	1.9	6
637	Role of miRNAs in muscle atrophy: the myotonic dystrophy paradigm. , 2022, , 331-362.		0
638	Recent advances of the mammalian target of rapamycin signaling in mesenchymal stem cells. Frontiers in Genetics, 0, 13, .	1.1	2
639	MicroRNA expression is associated with auditory dysfunction in workers exposed to ototoxic solvents and noise. Frontiers in Public Health, 0, 10, .	1.3	4
640	The role of muscle-specific MicroRNAs in patients with chronic obstructive pulmonary disease and skeletal muscle dysfunction. Frontiers in Physiology, 0, 13, .	1.3	4
641	Epigenetic Changes in Prion and Prion-like Neurodegenerative Diseases: Recent Advances, Potential as Biomarkers, and Future Perspectives. International Journal of Molecular Sciences, 2022, 23, 12609.	1.8	7
642	miRNA analysis reveals novel dysregulated pathways in amyotrophic lateral sclerosis. Human Molecular Genetics, 0, , .	1.4	2
643	Profiling non-coding RNA expression in cerebrospinal fluid of amyotrophic lateral sclerosis patients. Annals of Medicine, 2022, 54, 3068-3077.	1.5	5
644	The Cellular and Molecular Signature of ALS in Muscle. Journal of Personalized Medicine, 2022, 12, 1868.	1.1	7
645	Gene Expression Profile Changes in the Stimulated Rat Brain Cortex After Repetitive Transcranial Magnetic Stimulation. Brain & Neurorehabilitation, 2022, 15, .	0.4	2
646	Loss of neuromuscular junction integrity and muscle atrophy in skeletal muscle disuse. Ageing Research Reviews, 2023, 83, 101810.	5.0	10
647	Potential of Non-Coding RNA as Biomarkers for Progressive Supranuclear Palsy. International Journal of Molecular Sciences, 2022, 23, 14554.	1.8	1

#	Article	IF	CITATIONS
648	MicroRNAs as the Sentinels of Redox and Hypertrophic Signalling. International Journal of Molecular Sciences, 2022, 23, 14716.	1.8	4
649	Recent Advances in the Roles of MicroRNA and MicroRNA-Based Diagnosis in Neurodegenerative Diseases. Biosensors, 2022, 12, 1074.	2.3	6
650	Modeling Movement Disorders via Generation of hiPSC-Derived Motor Neurons. Cells, 2022, 11, 3796.	1.8	3
652	Sexual Dimorphism in Neurodegenerative Diseases and in Brain Ischemia. Biomolecules, 2023, 13, 26.	1.8	6
653	Ageing at Molecular Level: Role of MicroRNAs. Sub-Cellular Biochemistry, 2023, , 195-248.	1.0	0
654	Non-coding RNAs in human health and disease: potential function as biomarkers and therapeutic targets. Functional and Integrative Genomics, 2023, 23, .	1.4	39
655	TDP-43 dysregulation and neuromuscular junction disruption in amyotrophic lateral sclerosis. Translational Neurodegeneration, 2022, 11, .	3.6	11
656	HDAC4 in cancer: A multitasking platform to drive not only epigenetic modifications. Frontiers in Molecular Biosciences, 0, 10, .	1.6	5
657	Modulation of the Circulating Extracellular Vesicles in Response to Different Exercise Regimens and Study of Their Inflammatory Effects. International Journal of Molecular Sciences, 2023, 24, 3039.	1.8	6
658	Implications of miRNAs dysregulation in amyotrophic lateral sclerosis: Challenging for clinical applications. Frontiers in Neuroscience, 0, 17, .	1.4	0
659	Histone Deacetylases: Molecular Mechanisms and Therapeutic Implications for Muscular Dystrophies. International Journal of Molecular Sciences, 2023, 24, 4306.	1.8	10
660	Crosstalk between microRNAs and epigenetics during brain development and neurological diseases. , 2023, , 173-207.		0
661	The Role of miR-128 in Neurodegenerative Diseases. International Journal of Molecular Sciences, 2023, 24, 6024.	1.8	2
662	MicroRNA Function in Muscle Homeostasis and Regenerative Medicine. , 2015, , 269-292.		0
663	MicroRNAs in Skeletal Muscle Differentiation. , 2015, , 341-368.		0
687	Post-transcriptional regulation of myogenic transcription factors during muscle development and pathogenesis. Journal of Muscle Research and Cell Motility, 2024, 45, 21-39.	0.9	Ο