## Transcriptional mechanisms regulating skeletal muscle homeostasis

Nature Reviews Molecular Cell Biology

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**Citation Report** 

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Revisiting the TCA cycle: signaling to tumor formation. Trends in Molecular Medicine, 2011, 17, 641-649.  | 3.5  | 216       |
| 2  | Muscle ankyrin repeat proteins: their role in striated muscle function in health and disease. Critical<br>Reviews in Clinical Laboratory Sciences, 2011, 48, 269-294.                               | 2.7  | 63        |
| 3  | Physical exercise stimulates autophagy in normal skeletal muscles but is detrimental for collagen<br>VI-deficient muscles. Autophagy, 2011, 7, 1415-1423.   | 4.3  | 216       |
| 4  | Melanocortin antagonism ameliorates muscle wasting and inflammation in chronic kidney disease.<br>American Journal of Physiology - Renal Physiology, 2012, 303, F1315-F1324.                        | 1.3  | 41        |
| 5  | The Therapeutic Potential of MicroRNAs in Cancer. Cancer Journal (Sudbury, Mass ), 2012, 18, 275-284.   | 1.0  | 97        |
| 6  | Tra2β Protein Is Required for Tissue-specific Splicing of a Smooth Muscle Myosin Phosphatase Targeting<br>Subunit Alternative Exon. Journal of Biological Chemistry, 2012, 287, 16575-16585.        | 1.6  | 19        |
| 7  | A TGFβ-Smad4-Fgf6 signaling cascade controls myogenic differentiation and myoblast fusion during tongue development. Development (Cambridge), 2012, 139, 1640-1650.                                 | 1.2  | 60        |
| 8  | Identification and Profiling of MicroRNAs from Skeletal Muscle of the Common Carp. PLoS ONE, 2012, 7, e30925.   | 1.1  | 64        |
| 9  | The Obestatin/GPR39 System Is Up-regulated by Muscle Injury and Functions as an Autocrine<br>Regenerative System. Journal of Biological Chemistry, 2012, 287, 38379-38389.                          | 1.6  | 30        |
| 10 | Regulation of mammalian cell differentiation by long non oding RNAs. EMBO Reports, 2012, 13, 971-983.   | 2.0  | 292       |
| 11 | BAF60 A, B, and Cs of muscle determination and renewal. Genes and Development, 2012, 26, 2673-2683.   | 2.7  | 50        |
| 12 | Tissue-Specific Stem Cells: Lessons from the Skeletal Muscle Satellite Cell. Cell Stem Cell, 2012, 10, 504-514.   | 5.2  | 374       |
| 13 | Could muscle deformity in children with spastic cerebral palsy be related to an impairment of muscle growth and altered adaptation?. Developmental Medicine and Child Neurology, 2012, 54, 495-499. | 1.1  | 103       |
| 14 | Factors Involved in Signal Transduction During Vertebrate Myogenesis. International Review of Cell<br>and Molecular Biology, 2012, 296, 187-272.  | 1.6  | 6         |
| 15 | microRNA expression signature in skeletal muscle of Nile tilapia. Aquaculture, 2012, 364-365, 240-246.  | 1.7  | 24        |
| 16 | Satellite cells, the engines of muscle repair. Nature Reviews Molecular Cell Biology, 2012, 13, 127-133.  | 16.1 | 408       |
| 17 | mTORC1 and the regulation of skeletal muscle anabolism and mass. Applied Physiology, Nutrition and<br>Metabolism, 2012, 37, 395-406.  | 0.9  | 28        |
| 18 | Developmental regulation of MURF E3 ubiquitin ligases in skeletal muscle. Journal of Muscle Research and Cell Motility, 2012, 33, 107-122.  | 0.9  | 46        |

D

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | The status of microRNA-21 expression and its clinical significance in human cutaneous malignant melanoma. Acta Histochemica, 2012, 114, 582-588.                               | 0.9  | 67        |
| 20 | Stem cell-biomaterial interactions for regenerative medicine. Biotechnology Advances, 2012, 30, 338-351.   | 6.0  | 179       |
| 21 | Inhibition of microRNA function by antimiR oligonucleotides. Silence: A Journal of RNA Regulation, 2012, 3, 1.   | 8.0  | 456       |
| 22 | Effect of resistance exercise contraction mode and protein supplementation on members of the STARS signalling pathway. Journal of Physiology, 2013, 591, 3749-3763.            | 1.3  | 22        |
| 23 | Myf5-Positive Satellite Cells Contribute to Pax7-Dependent Long-Term Maintenance of Adult Muscle<br>Stem Cells. Cell Stem Cell, 2013, 13, 590-601.                             | 5.2  | 225       |
| 24 | Biochemistry of Development: Striated Muscle. , 2013, , 179-186.   |      | 0         |
| 25 | Enigma homolog 1 promotes myogenic gene expression and differentiation of C2C12 cells. Biochemical and Biophysical Research Communications, 2013, 435, 483-487.                | 1.0  | 9         |
| 26 | Exchange Protein Directly Activated by cAMP (epac): A Multidomain cAMP Mediator in the Regulation of Diverse Biological Functions. Pharmacological Reviews, 2013, 65, 670-709. | 7.1  | 230       |
| 27 | MG53-induced IRS-1 ubiquitination negatively regulates skeletal myogenesis and insulin signalling.<br>Nature Communications, 2013, 4, 2354.                                    | 5.8  | 140       |
| 28 | MYOD mediates skeletal myogenic differentiation of human amniotic fluid stem cells and regeneration of muscle injury. Stem Cell Research and Therapy, 2013, 4, 147.            | 2.4  | 44        |
| 29 | A systems biology approach using metabolomic data reveals genes and pathways interacting to modulate divergent growth in cattle. BMC Genomics, 2013, 14, 798.                  | 1.2  | 76        |
| 30 | The Regulation of Cell Size. Cell, 2013, 154, 1194-1205.   | 13.5 | 321       |
| 31 | The Imprinted H19 LncRNA Antagonizes Let-7 MicroRNAs. Molecular Cell, 2013, 52, 101-112.   | 4.5  | 969       |
| 32 | Progress in microRNA delivery. Journal of Controlled Release, 2013, 172, 962-974.  | 4.8  | 517       |
| 33 | Epigenetic control of skeletal muscle regeneration. FEBS Journal, 2013, 280, 4014-4025.  | 2.2  | 38        |
| 34 | Mechanisms of skeletal muscle aging: insights from <i>Drosophila</i> and mammalian models. DMM<br>Disease Models and Mechanisms, 2013, 6, 1339-52.                             | 1.2  | 201       |
| 35 | Identification of Map4k4 as a Novel Suppressor of Skeletal Muscle Differentiation. Molecular and<br>Cellular Biology, 2013, 33, 678-687.                                       | 1.1  | 28        |
| 36 | The Roles of Vitamin D in Skeletal Muscle: Form, Function, and Metabolism. Endocrine Reviews, 2013, 34, 33-83.   | 8.9  | 417       |

| #  | Article   | IF             | CITATIONS |
|----|---|----------------|-----------|
| 37 | Modulation of Cancer Traits by Tumor Suppressor microRNAs. International Journal of Molecular Sciences, 2013, 14, 1822-1842.  | 1.8            | 27        |
| 38 | MicroRNAs Involved in Skeletal Muscle Differentiation. Journal of Genetics and Genomics, 2013, 40, 107-116.   | 1.7            | 133       |
| 39 | Bone and Skeletal Muscle: Neighbors With Close Ties. Journal of Bone and Mineral Research, 2013, 28,<br>1509-1518.  | 3.1            | 159       |
| 40 | Mechanisms of muscle gene regulation in the electric organ of Sternopygus macrurus. Journal of Experimental Biology, 2013, 216, 2469-2477.  | 0.8            | 7         |
| 42 | MicroRNAs—mediators of myometrial contractility during pregnancy and labour. Nature Reviews<br>Endocrinology, 2013, 9, 391-401.   | 4.3            | 67        |
| 43 | Developmental specificity in skeletal muscle of late-term avian embryos and its potential manipulation.<br>Poultry Science, 2013, 92, 2754-2764.  | 1.5            | 15        |
| 44 | ZEB1 Imposes a Temporary Stage-Dependent Inhibition of Muscle Gene Expression and Differentiation via CtBP-Mediated Transcriptional Repression. Molecular and Cellular Biology, 2013, 33, 1368-1382.                        | 1.1            | 44        |
| 45 | Brain and Muscle Arnt-like 1 is a Key Regulator of Myogenesis. Journal of Cell Science, 2013, 126, 2213-24.   | 1.2            | 73        |
| 46 | Evidence of decreased muscle protein turnover in gilts selected for low residual feed intake1. Journal of Animal Science, 2013, 91, 4007-4016.  | 0.2            | 43        |
| 47 | Mechanisms for fiber-type specificity of skeletal muscle atrophy. Current Opinion in Clinical Nutrition and Metabolic Care, 2013, 16, 243-250.  | 1.3            | 317       |
| 48 | Sox4-mediated caldesmon expression facilitates skeletal myoblast differentiation. Journal of Cell<br>Science, 2013, 126, 5178-88.   | 1.2            | 20        |
| 49 | The methyltransferase SMYD3 mediates the recruitment of transcriptional cofactors at the <i>&gt;myostatin</i> > and <i>c-Met</i> > genes and regulates skeletal muscle atrophy. Genes and Development, 2013, 27, 1299-1312. | 2.7            | 74        |
| 50 | The c-Myc-Regulated MicroRNA-17â^¼92 (miR-17â^¼92) and miR-106aâ^¼363 Clusters Target hCYP19A1 and h<br>Inhibit Human Trophoblast Differentiation. Molecular and Cellular Biology, 2013, 33, 1782-1796.                     | ССМ1 То<br>1.1 | 149       |
| 52 | Deep RNA Sequencing of the Skeletal Muscle Transcriptome in Swimming Fish. PLoS ONE, 2013, 8, e53171.   | 1.1            | 62        |
| 53 | MicroRNA-3906 Regulates Fast Muscle Differentiation through Modulating the Target Gene homer-1b<br>in Zebrafish Embryos. PLoS ONE, 2013, 8, e70187.   | 1.1            | 17        |
| 54 | The Effect of Anabolic Steroid Administration on Passive Stretching-Induced Expression of Mechano-Growth Factor in Skeletal Muscle. Scientific World Journal, The, 2013, 2013, 1-5.   | 0.8            | 3         |
| 55 | Post-Translational Modification Profiling of Burn-Induced — Insulin Resistance and Muscle Wasting. ,<br>2013, , .   |                | 0         |
| 56 | The Longissimus and Semimembranosus Muscles Display Marked Differences in Their Gene Expression<br>Profiles in Pig. PLoS ONE, 2014, 9, e96491.  | 1.1            | 18        |

| #              | Article  | IF                       | CITATIONS              |
|----------------|--|--------------------------|------------------------|
| 57             | Identification of Differentially Expressed Genes in Breast Muscle and Skin Fat of Postnatal Pekin Duck.<br>PLoS ONE, 2014, 9, e107574.   | 1.1                      | 21                     |
| 58             | The SWI/SNF Subunit/Tumor Suppressor BAF47/INI1 Is Essential in Cell Cycle Arrest upon Skeletal<br>Muscle Terminal Differentiation. PLoS ONE, 2014, 9, e108858.  | 1.1                      | 22                     |
| 59             | <i>CARP</i> , a Myostatin-downregulated Gene in CFM Cells, Is a Novel Essential Positive Regulator of<br>Myogenesis. International Journal of Biological Sciences, 2014, 10, 309-320.  | 2.6                      | 7                      |
| 60             | Skeletal Muscle Remodeling and Regeneration. , 2014, , 567-579.  |                          | 1                      |
| 61             | Acute change of titin at mid-sarcomere remains despite 8 wk of plyometric training. Journal of Applied<br>Physiology, 2014, 116, 1512-1519.  | 1.2                      | 19                     |
| 62             | Pannexin 1 and Pannexin 3 Channels Regulate Skeletal Muscle Myoblast Proliferation and Differentiation. Journal of Biological Chemistry, 2014, 289, 30717-30731.   | 1.6                      | 57                     |
| 63             | The transient expression of miR-203 and its inhibiting effects on skeletal muscle cell proliferation and differentiation. Cell Death and Disease, 2014, 5, e1347-e1347.  | 2.7                      | 97                     |
| 64             | Six Homeoproteins and a linc-RNA at the Fast MYH Locus Lock Fast Myofiber Terminal Phenotype. PLoS<br>Genetics, 2014, 10, e1004386.  | 1.5                      | 56                     |
| 65             | Proteasome dysfunction induces muscle growth defects and protein aggregation. Journal of Cell<br>Science, 2014, 127, 5204-17.  | 1.2                      | 56                     |
| 66             | Gene Expression, Cell Determination, and Differentiation. , 2014, , 225-234.   |                          | Ο                      |
| 67             | Melatonin treatment combined with treadmill exercise accelerates muscular adaptation through early inhibition of <scp>CHOP</scp> â€mediated autophagy in the gastrocnemius of rats with  |                          | 12                     |
|                | intraâ€articular collagenaseâ€induced knee laxity. Journal of Pineal Research, 2014, 56, 175-188.  | 3.4                      | 12                     |
| 68             | intraâ€articular collagenaseâ€induced knee laxity. Journal of Pineal Research, 2014, 56, 175-188.<br>Development of micro <scp>RNA</scp> therapeutics is coming of age. EMBO Molecular Medicine, 2014, 6, 851-864.   | 3.4<br>3.3               | 526                    |
| 68<br>69       | intraâ€articular collagenaseâ€induced knee laxity. Journal of Pineal Research, 2014, 56, 175-188.<br>Development of micro <scp>RNA</scp> therapeutics is coming of age. EMBO Molecular Medicine, 2014,   |                          |                        |
|                | intraâ€articular collagenaseâ€induced knee laxity. Journal of Pineal Research, 2014, 56, 175-188.<br>Development of micro <scp>RNA</scp> therapeutics is coming of age. EMBO Molecular Medicine, 2014, 6, 851-864.<br>Gene co-regulation by Fezf2 selects neurotransmitter identity and connectivity of corticospinal  | 3.3                      | 526                    |
| 69             | <ul> <li>intraâ€articular collagenaseâ€induced knee laxity. Journal of Pineal Research, 2014, 56, 175-188.</li> <li>Development of micro<scp>RNA</scp> therapeutics is coming of age. EMBO Molecular Medicine, 2014, 6, 851-864.</li> <li>Gene co-regulation by Fezf2 selects neurotransmitter identity and connectivity of corticospinal neurons. Nature Neuroscience, 2014, 17, 1046-1054.</li> <li>A bioinformatic and computational study of myosin phosphatase subunit diversity. American Journal</li> </ul>   | 3.3<br>7.1               | 526<br>121             |
| 69<br>70       | <ul> <li>intraâ€articular collagenaseâ€induced knee laxity. Journal of Pineal Research, 2014, 56, 175-188.</li> <li>Development of micro<scp>RNA</scp> therapeutics is coming of age. EMBO Molecular Medicine, 2014, 6, 851-864.</li> <li>Gene co-regulation by Fezf2 selects neurotransmitter identity and connectivity of corticospinal neurons. Nature Neuroscience, 2014, 17, 1046-1054.</li> <li>A bioinformatic and computational study of myosin phosphatase subunit diversity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R256-R270.</li> <li>Swimming-induced exercise promotes hypertrophy and vascularization of fast skeletal muscle fibres and activation of myogenic and angiogenic transcriptional programs in adult zebrafish. BMC</li> </ul>  | 3.3<br>7.1<br>0.9        | 526<br>121<br>21       |
| 69<br>70<br>71 | <ul> <li>intraâ€articular collagenaseâ€induced knee laxity. Journal of Pineal Research, 2014, 56, 175-188.</li> <li>Development of micro<scp>RNA</scp> therapeutics is coming of age. EMBO Molecular Medicine, 2014, 6, 851-864.</li> <li>Gene co-regulation by Fezf2 selects neurotransmitter identity and connectivity of corticospinal neurons. Nature Neuroscience, 2014, 17, 1046-1054.</li> <li>A bioinformatic and computational study of myosin phosphatase subunit diversity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R256-R270.</li> <li>Swimming-induced exercise promotes hypertrophy and vascularization of fast skeletal muscle fibres and activation of myogenic and angiogenic transcriptional programs in adult zebrafish. BMC Genomics, 2014, 15, 1136.</li> <li>Integrating multiple resources to identify specific transcriptional cooperativity with a Bayesian</li> </ul> | 3.3<br>7.1<br>0.9<br>1.2 | 526<br>121<br>21<br>67 |

| #  | Article   | IF   | Citations |
|----|---|------|-----------|
| 76 | Mechano-signaling in heart failure. Pflugers Archiv European Journal of Physiology, 2014, 466, 1093-1099.   | 1.3  | 31        |
| 77 | Barx2 and Pax7 Have Antagonistic Functions in Regulation of Wnt Signaling and Satellite Cell<br>Differentiation. Stem Cells, 2014, 32, 1661-1673.   | 1.4  | 27        |
| 78 | Transglutaminase Regulation of Cell Function. Physiological Reviews, 2014, 94, 383-417.   | 13.1 | 353       |
| 79 | Identification of the Immunoproteasome as a Novel Regulator of Skeletal Muscle Differentiation.<br>Molecular and Cellular Biology, 2014, 34, 96-109.  | 1.1  | 52        |
| 80 | Regulation of MKL1 via actin cytoskeleton dynamics drives adipocyte differentiation. Nature Communications, 2014, 5, 3368.  | 5.8  | 138       |
| 81 | Periostin is temporally expressed as an extracellular matrix component in skeletal muscle regeneration and differentiation. Gene, 2014, 553, 130-139.   | 1.0  | 38        |
| 82 | Rbfox2-Coordinated Alternative Splicing of Mef2d and Rock2 Controls Myoblast Fusion during<br>Myogenesis. Molecular Cell, 2014, 55, 592-603.  | 4.5  | 104       |
| 83 | Endocrine regulation of fetal skeletal muscle growth: impact on future metabolic health. Journal of<br>Endocrinology, 2014, 221, R13-R29.   | 1.2  | 97        |
| 84 | Requirement of MEF2A, C, and D for skeletal muscle regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4109-4114.   | 3.3  | 162       |
| 85 | Adipocytes arise from multiple lineages that are heterogeneously and dynamically distributed. Nature Communications, 2014, 5, 4099.   | 5.8  | 285       |
| 86 | Animal Models for Stem Cell Therapy. Methods in Molecular Biology, 2014, , .  | 0.4  | 2         |
| 87 | Kelch proteins: emerging roles in skeletal muscle development and diseases. Skeletal Muscle, 2014, 4,<br>11.  | 1.9  | 119       |
| 88 | Long noncoding RNAs, emerging players in muscle differentiation and disease. Skeletal Muscle, 2014, 4,<br>8.  | 1.9  | 108       |
| 89 | Loss of <i>Prox1</i> in striated muscle causes slow to fast skeletal muscle fiber conversion and<br>dilated cardiomyopathy. Proceedings of the National Academy of Sciences of the United States of<br>America, 2014, 111, 9515-9520. | 3.3  | 45        |
| 90 | Transcriptional regulation and alternative splicing cooperate in muscle fiber-type specification in flies and mammals. Experimental Cell Research, 2014, 321, 90-98.  | 1.2  | 50        |
| 91 | The combination of transcriptomics and informatics identifies pathways targeted by miR-204 during neurogenesis and axon guidance. Nucleic Acids Research, 2014, 42, 7793-7806.  | 6.5  | 31        |
| 92 | HDAC-regulated myomiRs control BAF60 variant exchange and direct the functional phenotype of fibro-adipogenic progenitors in dystrophic muscles. Genes and Development, 2014, 28, 841-857.  | 2.7  | 132       |
| 93 | In vivo Monitoring of Transcriptional Dynamics After Lower-Limb Muscle Injury Enables Quantitative<br>Classification of Healing. Scientific Reports, 2015, 5, 13885.  | 1.6  | 21        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 94  | Syntaxin 4 regulates the surface localization of a promyogenic receptor Cdo thereby promoting myogenic differentiation. Skeletal Muscle, 2015, 5, 28.   | 1.9 | 9         |
| 95  | Noncoding RNAs, Emerging Regulators of Skeletal Muscle Development and Diseases. BioMed Research<br>International, 2015, 2015, 1-17.  | 0.9 | 82        |
| 96  | Myomaker, Regulated by MYOD, MYOG and miR-140-3p, Promotes Chicken Myoblast Fusion. International<br>Journal of Molecular Sciences, 2015, 16, 26186-26201.  | 1.8 | 93        |
| 97  | Runx1 Transcription Factor Is Required for Myoblasts Proliferation during Muscle Regeneration. PLoS Genetics, 2015, 11, e1005457.   | 1.5 | 67        |
| 98  | Differentiation-Associated Downregulation of Poly(ADP-Ribose) Polymerase-1 Expression in Myoblasts<br>Serves to Increase Their Resistance to Oxidative Stress. PLoS ONE, 2015, 10, e0134227.                    | 1.1 | 42        |
| 99  | Identification of Atypical Peri-Nuclear Multivesicular Bodies in Oxidative and Glycolytic Skeletal<br>Muscle of Aged and Pompe's Disease Mouse Models. Frontiers in Physiology, 2015, 6, 393.                   | 1.3 | 2         |
| 100 | Serum Response Factor Is Essential for Prenatal Gastrointestinal Smooth Muscle Development and<br>Maintenance of Differentiated Phenotype. Journal of Neurogastroenterology and Motility, 2015, 21,<br>589-602. | 0.8 | 12        |
| 101 | New insights into the epigenetic control of satellite cells. World Journal of Stem Cells, 2015, 7, 945.   | 1.3 | 26        |
| 102 | Prmt5 is a regulator of muscle stem cell expansion in adult mice. Nature Communications, 2015, 6, 7140.   | 5.8 | 98        |
| 103 | Action of Obestatin in Skeletal Muscle Repair: Stem Cell Expansion, Muscle Growth, and Microenvironment Remodeling. Molecular Therapy, 2015, 23, 1003-1021.   | 3.7 | 33        |
| 104 | TAp63gamma is required for the late stages of myogenesis. Cell Cycle, 2015, 14, 894-901.  | 1.3 | 19        |
| 105 | A Rapid One-Generation Genetic Screen in a <i>Drosophila</i> Model to Capture Rhabdomyosarcoma<br>Effectors and Therapeutic Targets. G3: Genes, Genomes, Genetics, 2015, 5, 205-217.                            | 0.8 | 3         |
| 106 | The implications on clinical diagnostics of using microRNA-based biomarkers in exercise. Expert<br>Review of Molecular Diagnostics, 2015, 15, 761-772.  | 1.5 | 19        |
| 107 | The Avian Embryo as a Model System for Skeletal Myogenesis. Results and Problems in Cell Differentiation, 2015, 56, 99-122.   | 0.2 | 18        |
| 108 | Different Requirements for Wnt Signaling in Tongue Myogenic Subpopulations. Journal of Dental<br>Research, 2015, 94, 421-429.   | 2.5 | 15        |
| 109 | Transcription Factors in Craniofacial Development. Current Topics in Developmental Biology, 2015, 115, 377-410.   | 1.0 | 18        |
| 110 | Molecular Regulation of Parturition: A Myometrial Perspective. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a023069.   | 2.9 | 51        |
| 111 | MEF2 Transcription Factors Regulate Distinct Gene Programs in Mammalian Skeletal Muscle<br>Differentiation. Journal of Biological Chemistry, 2015, 290, 1256-1268.  | 1.6 | 92        |

| #   | Article  | IF   | CITATIONS |
|-----|--|------|-----------|
| 112 | Function and position determine relative proportions of different fiber types in limb muscles of the lizard Tropidurus psammonastes. Zoology, 2015, 118, 27-33.  | 0.6  | 4         |
| 113 | Temporal analysis of reciprocal miRNA-mRNA expression patterns predicts regulatory networks during differentiation in human skeletal muscle cells. Physiological Genomics, 2015, 47, 45-57.                              | 1.0  | 16        |
| 114 | The Ontogeny of Brown Adipose Tissue. Annual Review of Nutrition, 2015, 35, 295-320.   | 4.3  | 99        |
| 115 | The Sick and the Weak: Neuropathies/Myopathies in the Critically Ill. Physiological Reviews, 2015, 95, 1025-1109.  | 13.1 | 262       |
| 116 | ClpX stimulates the mitochondrial unfolded protein response (UPRmt) in mammalian cells. Biochimica<br>Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2580-2591.   | 1.9  | 56        |
| 117 | Metabolic Role of Angiotensin-(1-7)/Mas Axis. , 2015, , 249-254.   |      | Ο         |
| 118 | Skeletal Myogenesis in the Zebrafish and Its Implications for Muscle Disease Modelling. Results and<br>Problems in Cell Differentiation, 2015, 56, 49-76.  | 0.2  | 14        |
| 119 | Messenger RNA sequencing and pathway analysis provide novel insights into the biological basis of chickens' feed efficiency. BMC Genomics, 2015, 16, 195.  | 1.2  | 53        |
| 120 | The miRNA Transcriptome Directly Reflects the Physiological and Biochemical Differences between<br>Red, White, and Intermediate Muscle Fiber Types. International Journal of Molecular Sciences, 2015, 16,<br>9635-9653. | 1.8  | 20        |
| 121 | KAT5-mediated SOX4 acetylation orchestrates chromatin remodeling during myoblast differentiation.<br>Cell Death and Disease, 2015, 6, e1857-e1857.   | 2.7  | 25        |
| 122 | Development of Novel Antisense Oligonucleotides for the Functional Regulation of RNA-Induced<br>Silencing Complex (RISC) by Promoting the Release of microRNA from RISC. Bioconjugate Chemistry,<br>2015, 26, 2454-2460. | 1.8  | 16        |
| 123 | Different Resistance-Training Regimens Evoked a Similar Increase in Myostatin Inhibitors Expression.<br>International Journal of Sports Medicine, 2015, 36, 761-768.   | 0.8  | 10        |
| 124 | Characterization of a novel chicken muscle disorder through differential gene expression and pathway analysis using RNA-sequencing. BMC Genomics, 2015, 16, 399.   | 1.2  | 210       |
| 125 | Response to Letter Regarding Article, "Myostatin Regulates Energy Homeostasis in the Heart and<br>Prevents Heart Failure― Circulation Research, 2015, 116, e97-8.  | 2.0  | 0         |
| 126 | Olig1 Acetylation and Nuclear Export Mediate Oligodendrocyte Development. Journal of Neuroscience, 2015, 35, 15875-15893.  | 1.7  | 54        |
| 127 | Leptin administration activates irisin-induced myogenesis via nitric oxide-dependent mechanisms, but reduces its effect on subcutaneous fat browning in mice. International Journal of Obesity, 2015, 39, 397-407.       | 1.6  | 98        |
| 128 | Gene expression profiling of trout regenerating muscle reveals common transcriptional signatures with hyperplastic growth zones of the post-embryonic myotome. BMC Genomics, 2016, 17, 810.                              | 1.2  | 16        |
| 129 | Changes in expression of specific miRNAs and their target genes in repair of exercise-induced muscle injury in rats. Genetics and Molecular Research, 2016, 15, .  | 0.3  | 9         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 130 | Gene Expression Profiling of Muscle Stem Cells Identifies Novel Regulators of Postnatal Myogenesis.<br>Frontiers in Cell and Developmental Biology, 2016, 4, 58.  | 1.8 | 63        |
| 131 | Integrative Analyses of miRNA-mRNA Interactions Reveal let-7b, miR-128 and MAPK Pathway Involvement<br>in Muscle Mass Loss in Sex-Linked Dwarf Chickens. International Journal of Molecular Sciences, 2016,<br>17, 276. | 1.8 | 39        |
| 132 | Spatial Geometries of Self-Assembled Chitohexaose Monolayers Regulate Myoblast Fusion.<br>International Journal of Molecular Sciences, 2016, 17, 686.   | 1.8 | 3         |
| 133 | Mechanosensitive Molecular Networks Involved in Transducing Resistance Exercise-Signals into<br>Muscle Protein Accretion. Frontiers in Physiology, 2016, 7, 547.  | 1.3 | 37        |
| 134 | Genome-wide identification and characterization of long non-coding RNAs in developmental skeletal<br>muscle of fetal goat. BMC Genomics, 2016, 17, 666.   | 1.2 | 117       |
| 135 | Skeletal muscle dedifferentiation during salamander limb regeneration. Current Opinion in Genetics and Development, 2016, 40, 108-112.  | 1.5 | 24        |
| 136 | Lrrc75b is a novel negative regulator of C2C12 myogenic differentiation. International Journal of Molecular Medicine, 2016, 38, 1411-1418.  | 1.8 | 4         |
| 137 | The LIM domain protein nTRIP6 acts as a co-repressor for the transcription factor MEF2C in myoblasts.<br>Scientific Reports, 2016, 6, 27746.  | 1.6 | 9         |
| 138 | Chronic Hyperinsulinemia Increases Myoblast Proliferation in Fetal Sheep Skeletal Muscle.<br>Endocrinology, 2016, 157, 2447-2460.   | 1.4 | 16        |
| 139 | Bakuchiol augments MyoD activation leading to enhanced myoblast differentiation.<br>Chemico-Biological Interactions, 2016, 248, 60-67.  | 1.7 | 13        |
| 140 | Scaffold protein enigma homolog 1 overcomes the repression of myogenesis activation by inhibitor of DNA binding 2. Biochemical and Biophysical Research Communications, 2016, 474, 413-420.                             | 1.0 | 5         |
| 141 | Post-transcriptional modulation of interleukin 8 by CNOT6L regulates skeletal muscle differentiation.<br>Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 263-270.                                  | 1.9 | 8         |
| 142 | The Chromatin Remodeling Complex Chd4/NuRD Controls Striated Muscle Identity and Metabolic Homeostasis. Cell Metabolism, 2016, 23, 881-892.   | 7.2 | 68        |
| 143 | Optimization of an <i>inÂvitro</i> bioassay to monitor growth and formation of myotubes in real time.<br>Bioscience Reports, 2016, 36, .  | 1.1 | 18        |
| 144 | Engineering of Skeletal Muscle Regeneration: Principles, Current State, and Challenges. , 2016, , 777-812.  |     | 0         |
| 145 | Inferring the Skeletal Muscle Developmental Changes of Grazing and Barn-Fed Goats from Gene<br>Expression Data. Journal of Agricultural and Food Chemistry, 2016, 64, 6791-6800.  | 2.4 | 6         |
| 146 | Regulation of Skeletal Muscle Myoblast Differentiation and Proliferation by Pannexins. Advances in Experimental Medicine and Biology, 2016, 925, 57-73.   | 0.8 | 30        |
| 147 | Six1 homeoprotein drives myofiber type IIA specialization in soleus muscle. Skeletal Muscle, 2016, 6, 30.   | 1.9 | 24        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 148 | Transcriptional and Chromatin Dynamics of Muscle Regeneration after Severe Trauma. Stem Cell<br>Reports, 2016, 7, 983-997.   | 2.3 | 41        |
| 149 | PKN2 and Cdo interact to activate AKT and promote myoblast differentiation. Cell Death and Disease, 2016, 7, e2431-e2431.  | 2.7 | 33        |
| 150 | Lamina-associated polypeptide 1 is dispensable for embryonic myogenesis but required for postnatal skeletal muscle growth. Human Molecular Genetics, 2016, 26, ddw368.   | 1.4 | 12        |
| 151 | Long non-coding RNAs (IncRNAs) in skeletal and cardiac muscle: potential therapeutic and diagnostic targets?. Clinical Science, 2016, 130, 2245-2256.  | 1.8 | 24        |
| 152 | The role of STIM1 in the Cr( <scp>vi</scp> )-induced [Ca <sup>2+</sup> ] <sub>i</sub> increase and cell injury in L-02 hepatocytes. Metallomics, 2016, 8, 1273-1282.   | 1.0 | 9         |
| 153 | Daily rhythmicity of clock gene transcript levels in fast and slow muscle fibers from Chinese perch<br>(Siniperca chuatsi). BMC Genomics, 2016, 17, 1008.  | 1.2 | 22        |
| 154 | βâ€Taxilin participates in differentiation of C2C12 myoblasts into myotubes. Experimental Cell Research,<br>2016, 345, 230-238.  | 1.2 | 8         |
| 155 | Effect of resistance ladder training on sparc expression in skeletal muscle of hindlimb immobilized rats. Muscle and Nerve, 2016, 53, 951-957.   | 1.0 | 10        |
| 156 | An NF-κB - EphrinA5-Dependent Communication between NG2+ Interstitial Cells and Myoblasts Promotes<br>Muscle Growth in Neonates. Developmental Cell, 2016, 36, 215-224.  | 3.1 | 33        |
| 157 | Improving maternal vitamin D status promotes prenatal and postnatal skeletal muscle development of pig offspring. Nutrition, 2016, 32, 1144-1152.  | 1.1 | 33        |
| 158 | Myf5 and Myogenin in the development of thymic myoid cells — Implications for a murine in vivo model of myasthenia gravis. Experimental Neurology, 2016, 277, 76-85.   | 2.0 | 6         |
| 159 | Coordinating cell proliferation and differentiation: Antagonism between cell cycle regulators and cell type-specific gene expression. Cell Cycle, 2016, 15, 196-212.   | 1.3 | 417       |
| 160 | Tissue-Specific Cultured Human Pericytes: Perivascular Cells from Smooth Muscle Tissue Have<br>Restricted Mesodermal Differentiation Ability. Stem Cells and Development, 2016, 25, 674-686.                       | 1.1 | 24        |
| 161 | Acetoacetate Accelerates Muscle Regeneration and Ameliorates Muscular Dystrophy in Mice. Journal of Biological Chemistry, 2016, 291, 2181-2195.  | 1.6 | 55        |
| 162 | Exosomes from differentiating human skeletal muscle cells trigger myogenesis of stem cells and<br>provide biochemical cues for skeletal muscle regeneration. Journal of Controlled Release, 2016, 222,<br>107-115. | 4.8 | 138       |
| 163 | Discovery of Novel Small Molecules that Activate Satellite Cell Proliferation and Enhance Repair of Damaged Muscle. ACS Chemical Biology, 2016, 11, 518-529.   | 1.6 | 16        |
| 164 | Temporal correlation between differentiation factor expression and microRNAs in Holstein bovine skeletal muscle. Animal, 2017, 11, 227-235.  | 1.3 | 15        |
| 165 | SH2B1 modulates chromatin state and MyoD occupancy to enhance expressions of myogenic genes.<br>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2017, 1860, 270-281.                                   | 0.9 | 4         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 166 | Myoblast replication is reduced in the IUGR fetus despite maintained proliferative capacity in vitro.<br>Journal of Endocrinology, 2017, 232, 475-491.                       | 1.2 | 32        |
| 167 | Palmdelphin promotes myoblast differentiation and muscle regeneration. Scientific Reports, 2017, 7, 41608.   | 1.6 | 21        |
| 168 | Systematic Identification of Genes Regulating Muscle Stem Cell Self-Renewal and Differentiation.<br>Methods in Molecular Biology, 2017, 1556, 343-353.                       | 0.4 | 5         |
| 169 | The Structure and Growth ofÂMuscle. , 2017, , 49-97.   |     | 6         |
| 170 | Serine/Threonine Kinase 40 (Stk40) Functions as a Novel Regulator of Skeletal Muscle Differentiation.<br>Journal of Biological Chemistry, 2017, 292, 351-360.                | 1.6 | 25        |
| 171 | Protein Reviews. Advances in Experimental Medicine and Biology, 2017, , .  | 0.8 | 1         |
| 173 | Rev-Erb co-regulates muscle regeneration via tethered interaction with the NF-Y cistrome. Molecular Metabolism, 2017, 6, 703-714.  | 3.0 | 27        |
| 174 | Coordinated development of the limb musculoskeletal system: Tendon and muscle patterning and integration with the skeleton. Developmental Biology, 2017, 429, 420-428.       | 0.9 | 40        |
| 175 | Akirin2 regulates proliferation and differentiation of porcine skeletal muscle satellite cells via ERK1/2 and NFATc1 signaling pathways. Scientific Reports, 2017, 7, 45156. | 1.6 | 22        |
| 176 | Malat1 regulates myogenic differentiation and muscle regeneration through modulating MyoD transcriptional activity. Cell Discovery, 2017, 3, 17002.                          | 3.1 | 86        |
| 177 | Quaking RNA-Binding Proteins Control Early Myofibril Formation by Modulating Tropomyosin.<br>Developmental Cell, 2017, 42, 527-541.e4.                                       | 3.1 | 16        |
| 178 | Xkâ€related protein 8 regulates myoblast differentiation and survival. FEBS Journal, 2017, 284, 3575-3588.   | 2.2 | 12        |
| 179 | The DUX4 homeodomains mediate inhibition of myogenesis and are functionally exchangeable with the Pax7 homeodomain. Journal of Cell Science, 2017, 130, 3685-3697.           | 1.2 | 41        |
| 180 | Extended specificity studies of mRNA assays used to infer human organ tissues and body fluids.<br>Electrophoresis, 2017, 38, 3155-3160.                                      | 1.3 | 21        |
| 181 | Effective Anti-miRNA Oligonucleotides Show High Releasing Rate of MicroRNA from RNA-Induced Silencing Complex. Nucleic Acid Therapeutics, 2017, 27, 303-308.                 | 2.0 | 12        |
| 182 | miR-130b-3p/301b-3p negatively regulated Rb1cc1 expression on myogenic differentiation of chicken primary myoblasts. Biotechnology Letters, 2017, 39, 1611-1619.             | 1.1 | 7         |
| 183 | miR-491 inhibits skeletal muscle differentiation through targeting myomaker. Archives of Biochemistry and Biophysics, 2017, 625-626, 30-38.                                  | 1.4 | 19        |
| 184 | MiR-23-TrxR1 as a novel molecular axis in skeletal muscle differentiation. Scientific Reports, 2017, 7, 7219.  | 1.6 | 37        |

| #          | Article  | IF  | CITATIONS |
|------------|--|-----|-----------|
| 185        | An siRNA-based screen in C2C12 myoblasts identifies novel genes involved in myogenic differentiation.<br>Experimental Cell Research, 2017, 359, 145-153.   | 1.2 | 10        |
| 186        | The histone code reader Spin1 controls skeletal muscle development. Cell Death and Disease, 2017, 8, e3173-e3173.  | 2.7 | 14        |
| 187        | Mef2 and the skeletal muscle differentiation program. Seminars in Cell and Developmental Biology, 2017, 72, 33-44.   | 2.3 | 117       |
| 188        | mTFkb: a knowledgebase for fundamental annotation of mouse transcription factors. Scientific Reports, 2017, 7, 3022.   | 1.6 | 21        |
| 189        | Global gene expression in muscle from fasted/refed trout reveals up-regulation of genes promoting myofibre hypertrophy but not myofibre production. BMC Genomics, 2017, 18, 447.   | 1.2 | 27        |
| 190        | Striated muscle activator of Rho signalling (STARS) is reduced in ageing human skeletal muscle and targeted by miRâ€628â€5p. Acta Physiologica, 2017, 220, 263-274.  | 1.8 | 16        |
| 191        | Dynamic Phosphorylation of the Myocyte Enhancer Factor 2Cα1 Splice Variant Promotes Skeletal<br>Muscle Regeneration and Hypertrophy. Stem Cells, 2017, 35, 725-738.  | 1.4 | 27        |
| 192        | miRNA-223 upregulated by MYOD inhibits myoblast proliferation by repressing IGF2 and facilitates myoblast differentiation by inhibiting ZEB1. Cell Death and Disease, 2017, 8, e3094-e3094.  | 2.7 | 60        |
| 193        | Novel Insights into the Role of the Cytoskeleton in Cancer. , 0, , .   |     | 4         |
| 194        | Proteomic Analysis of Chicken Skeletal Muscle during Embryonic Development. Frontiers in Physiology, 2017, 8, 281.   | 1.3 | 59        |
| 195        | MicroRNAs in Muscle: Characterizing the Powerlifter Phenotype. Frontiers in Physiology, 2017, 8, 383.  | 1.3 | 45        |
| 196        | Sex-Specific Muscular Maturation Responses Following Prenatal Exposure to Methylation-Related Micronutrients in Pigs. Nutrients, 2017, 9, 74.  | 1.7 | 8         |
| 197        | Neurologic Correlates of Gait Abnormalities in Cerebral Palsy: Implications for Treatment. Frontiers in Human Neuroscience, 2017, 11, 103.   | 1.0 | 57        |
|            |  |     |           |
| 198        | Gene expression profiling in Pekin duck embryonic breast muscle. PLoS ONE, 2017, 12, e0174612.   | 1.1 | 9         |
| 198<br>199 | Gene expression profiling in Pekin duck embryonic breast muscle. PLoS ONE, 2017, 12, e0174612.<br>Genome-wide strategies identify downstream target genes of connective tissue-associated transcription factors. Development (Cambridge), 2018, 145, . | 1.1 | 9<br>20   |
|            | Genome-wide strategies identify downstream target genes of connective tissue-associated  |     |           |
| 199        | Genome-wide strategies identify downstream target genes of connective tissue-associated transcription factors. Development (Cambridge), 2018, 145, .<br>Fatty acids promote bovine skeletal muscle satellite cell differentiation by regulating ELOVL3 | 1.2 | 20        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 203 | Dairy Protein Supplementation Modulates the Human Skeletal Muscle microRNA Response to Lower<br>Limb Immobilization. Molecular Nutrition and Food Research, 2018, 62, e1701028.  | 1.5 | 15        |
| 204 | Comprehensive analysis of lncRNAs and mRNAs with associated co-expression and ceRNA networks in C2C12 myoblasts and myotubes. Gene, 2018, 647, 164-173.  | 1.0 | 28        |
| 205 | Breed-dependent microRNA expression in the primary culture of skeletal muscle cells subjected to myogenic differentiation. BMC Genomics, 2018, 19, 109.  | 1.2 | 17        |
| 206 | The complexity of titin splicing pattern in human adult skeletal muscles. Skeletal Muscle, 2018, 8, 11.  | 1.9 | 65        |
| 207 | Expression patterns of regulatory RNAs, including lncRNAs and tRNAs, during postnatal growth of<br>normal and dystrophic (mdx) mouse muscles, and their response to taurine treatment. International<br>Journal of Biochemistry and Cell Biology, 2018, 99, 52-63. | 1.2 | 10        |
| 208 | Transcription factor EGR1 promotes differentiation of bovine skeletal muscle satellite cells by regulating <i>MyoG</i> gene expression. Journal of Cellular Physiology, 2018, 233, 350-362.  | 2.0 | 42        |
| 209 | Dynamic transcriptomic analysis in hircine longissimus dorsi muscle from fetal to neonatal development stages. Functional and Integrative Genomics, 2018, 18, 43-54.   | 1.4 | 25        |
| 210 | Emerging role of extracellular vesicles in musculoskeletal diseases. Molecular Aspects of Medicine, 2018, 60, 123-128.   | 2.7 | 86        |
| 211 | The distinct transcriptomes of slow and fast adult muscles are delineated by noncoding RNAs. FASEB<br>Journal, 2018, 32, 1579-1590.  | 0.2 | 25        |
| 212 | Chick muscle development. International Journal of Developmental Biology, 2018, 62, 127-136.   | 0.3 | 19        |
| 213 | miRNA-1290 Promotes Aggressiveness in Pancreatic Ductal Adenocarcinoma by Targeting IKK1. Cellular<br>Physiology and Biochemistry, 2018, 51, 711-728.  | 1.1 | 21        |
| 214 | The Ubiquitin-Proteasome System Is Indispensable for the Maintenance of Muscle Stem Cells. Stem Cell<br>Reports, 2018, 11, 1523-1538.  | 2.3 | 54        |
| 215 | Oncogenic Amplification of Zygotic Dux Factors in Regenerating p53-Deficient Muscle Stem Cells<br>Defines a Molecular Cancer Subtype. Cell Stem Cell, 2018, 23, 794-805.e4.  | 5.2 | 21        |
| 216 | The RNA-binding proteins Zfp36l1 and Zfp36l2 act redundantly in myogenesis. Skeletal Muscle, 2018, 8, 37.  | 1.9 | 22        |
| 217 | ATP-Induced Increase in Intracellular Calcium Levels and Subsequent Activation of mTOR as<br>Regulators of Skeletal Muscle Hypertrophy. International Journal of Molecular Sciences, 2018, 19,<br>2804.  | 1.8 | 49        |
| 218 | Long noncoding RNA <i>SYISL</i> regulates myogenesis by interacting with polycomb repressive complex 2. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9802-E9811.   | 3.3 | 106       |
| 219 | Tissue-specific activities of the Fat1 cadherin cooperate to control neuromuscular morphogenesis.<br>PLoS Biology, 2018, 16, e2004734.   | 2.6 | 25        |
| 220 | Gga-miR-205a Affecting Myoblast Proliferation and Differentiation by Targeting CDH11. Frontiers in Genetics, 2018, 9, 414.   | 1.1 | 11        |

ARTICLE IF CITATIONS # TP63 Transcripts Play Opposite Roles in Chicken Skeletal Muscle Differentiation. Frontiers in 221 1.3 5 Physiology, 2018, 9, 1298. Metabolic Networks Influencing Skeletal Muscle Fiber Composition. Frontiers in Cell and 1.8 Developmental Biology, 2018, 6, 125. Physical Exercise-Induced Myokines and Muscle-Adipose Tissue Crosstalk: A Review of Current Knowledge and the Implications for Health and Metabolic Diseases. Frontiers in Physiology, 2018, 9, 223 221 1.3 1307. Alternative Splicing of Transcription Factors Genes in Muscle Physiology and Pathology. Genes, 2018, 224 9.107. Royal Jelly Delays Motor Functional Impairment During Aging in Genetically Heterogeneous Male Mice. 225 1.7 22 Nutrients, 2018, 10, 1191. Molecular regulation of skeletal muscle tissue formation and development. Veterinarni Medicina, 2018, 63, 489-499. 0.2 Novel internal regulators and candidate miRNAs within miR-379/miR-656 miRNA cluster can alter 227 1.6 25 cellular phenotype of human glioblastoma. Scientific Reports, 2018, 8, 7673. Deletion of NAD(P)H Oxidase 2 Prevents Angiotensin II-Induced Skeletal Muscle Atrophy. BioMed Research International, 2018, 2018, 1-10. The Major Lysosomal Membrane Proteins LAMP-1 and LAMP-2 Participate in Differentiation of C2C12 229 0.6 9 Myoblasts. Biological and Pharmaceutical Bulletin, 2018, 41, 1186-1193. Possible Role of NADPH Oxidase 4 in Angiotensin II-Induced Muscle Wasting in Mice. Frontiers in 1.3 Physiology, 2018, 9, 340. Myocyte enhancer factor 2A promotes proliferation and its inhibition attenuates myogenic 231 1.1 39 differentiation via myozenin 2 in bovine skeletal muscle myoblast. PLoS ONE, 2018, 13, e0196255. Mitochondrial ROS-derived PTEN oxidation activates PI3K pathway for mTOR-induced myogenic 5.0 106 autophagy. Cell Death and Differentiation, 2018, 25, 1921-1937. MUNC, an Enhancer RNA Upstream from the <i>MYOD</i> Gene, Induces a Subgroup of Myogenic 233 1.1 32 Transcripts in <i>trans</i> Independently of MyoD. Molecular and Cellular Biology, 2018, 38, . Abnormalities in Skeletal Muscle Myogenesis, Growth, and Regeneration in Myotonic Dystrophy. 234 1.1 Frontiers in Neurology, 2018, 9, 368. Integrated Analyses Reveal Overexpressed Notch1 Promoting Porcine Satellite Cells' Proliferation 235 1.8 22 through Regulating the Cell Cycle. International Journal of Molecular Sciences, 2018, 19, 271. Myokines related to leukocyte recruitment are down-regulated in osteosarcoma. International 1.1 Journal of Medical Sciences, 2018, 15, 859-866. Genome-wide survey reveals dynamic effects of folate supplement on DNA methylation and gene 237 1.0 6 expression during C2C12 differentiation. Physiological Genomics, 2018, 50, 158-168. Integrated analysis of IncRNA and mRNA expression in rainbow trout families showing variation in muscle growth and fillet quality traits. Scientific Reports, 2018, 8, 12111.

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 239 | Targeted ablation of p38α MAPK suppresses denervation-induced muscle atrophy. Scientific Reports, 2018, 8, 9037.  | 1.6 | 23        |
| 240 | Sensitive detection of fluorescence in western blotting by merging images. PLoS ONE, 2018, 13, e0191532.  | 1.1 | 13        |
| 241 | Altered expression of miRNAs and mRNAs reveals the potential regulatory role of miRNAs in the developmental process of early weaned goats. PLoS ONE, 2019, 14, e0220907.  | 1.1 | 21        |
| 242 | Contribution of Extracellular Vesicles in Rebuilding Injured Muscles. Frontiers in Physiology, 2019, 10, 828.   | 1.3 | 45        |
| 243 | Ginsenoside Rg3 upregulates myotube formation and mitochondrial function, thereby protecting<br>myotube atrophy induced by tumor necrosis factor-alpha. Journal of Ethnopharmacology, 2019, 242,<br>112054.                   | 2.0 | 30        |
| 244 | The Inhibition on MDFIC and PI3K/AKT Pathway Caused by miR-146b-3p Triggers Suppression of Myoblast Proliferation and Differentiation and Promotion of Apoptosis. Cells, 2019, 8, 656.  | 1.8 | 35        |
| 245 | Protein kinase CK2 subunits exert specific and coordinated functions in skeletal muscle differentiation and fusogenic activity. FASEB Journal, 2019, 33, 10648-10667.   | 0.2 | 22        |
| 246 | PRMT1 activates myogenin transcription via MyoD arginine methylation at R121. Biochimica Et<br>Biophysica Acta - Gene Regulatory Mechanisms, 2019, 1862, 194442.  | 0.9 | 11        |
| 247 | Importance of Long Non-coding RNAs in the Development and Disease of Skeletal Muscle and Cardiovascular Lineages. Frontiers in Cell and Developmental Biology, 2019, 7, 228.  | 1.8 | 42        |
| 248 | Methylation status and expression patterns of myomaker gene play important roles in postnatal<br>development in the Japanese flounder (Paralichthys olivaceus). General and Comparative<br>Endocrinology, 2019, 280, 104-114. | 0.8 | 6         |
| 249 | Non-Coding RNA Regulates the Myogenesis of Skeletal Muscle Satellite Cells, Injury Repair and<br>Diseases. Cells, 2019, 8, 988.   | 1.8 | 60        |
| 250 | Functions and Regulatory Mechanisms of IncRNAs in Skeletal Myogenesis, Muscle Disease and Meat<br>Production. Cells, 2019, 8, 1107.   | 1.8 | 71        |
| 251 | Non-viral nanocarriers for intracellular delivery of microRNA therapeutics. Journal of Materials<br>Chemistry B, 2019, 7, 1209-1225.  | 2.9 | 70        |
| 252 | Zfp423 Regulates Skeletal Muscle Regeneration and Proliferation. Molecular and Cellular Biology, 2019, 39, .  | 1.1 | 12        |
| 253 | NeuroMuscleDB: a Database of Genes Associated with Muscle Development, Neuromuscular Diseases,<br>Ageing, and Neurodegeneration. Molecular Neurobiology, 2019, 56, 5835-5843.   | 1.9 | 13        |
| 254 | Paraxial Mesoderm Is the Major Source of Lymphatic Endothelium. Developmental Cell, 2019, 50, 247-255.e3.   | 3.1 | 94        |
| 255 | Mechanisms of vitamin D action in skeletal muscle. Nutrition Research Reviews, 2019, 32, 192-204.   | 2.1 | 64        |
| 256 | MEF2A Regulates the MEG3-DIO3 miRNA Mega Cluster-Targeted PP2A Signaling in Bovine Skeletal<br>Myoblast Differentiation, International Journal of Molecular Sciences, 2019, 20, 2748  | 1.8 | 15        |

| #   | Article  | IF   | CITATIONS |
|-----|--|------|-----------|
| 257 | Thermal manipulation of the broilers embryos: expression of muscle markers genes and weights of<br>body and internal organs during embryonic and post-hatch days. BMC Veterinary Research, 2019, 15,<br>166.   | 0.7  | 21        |
| 258 | Differential Expression of KCNJ12 Gene and Association Analysis of Its Missense Mutation with Growth<br>Traits in Chinese Cattle. Animals, 2019, 9, 273.   | 1.0  | 8         |
| 259 | Genetic effects of the EIF5A2 gene on chicken growth and skeletal muscle development. Livestock Science, 2019, 225, 62-72.   | 0.6  | 2         |
| 260 | Molecular signature of selective microRNAs in Cyprinus carpio (Linnaeus 1758):a computational approach. ExRNA, 2019, 1, .  | 1.0  | 0         |
| 261 | 4-hydroxy-3-methoxy cinnamic acid accelerate myoblasts differentiation on C2C12 mouse skeletal muscle cells via AKT and ERK 1/2 activation. Phytomedicine, 2019, 60, 152873.   | 2.3  | 19        |
| 262 | Gene expression of Hanwoo satellite cell differentiation in longissimus dorsi and semimembranosus.<br>BMC Genomics, 2019, 20, 156.   | 1.2  | 18        |
| 263 | Fabrication and Characterization of Electrospun Decellularized Muscle-Derived Scaffolds. Tissue<br>Engineering - Part C: Methods, 2019, 25, 276-287.   | 1.1  | 46        |
| 264 | The single-cell transcriptional landscape of mammalian organogenesis. Nature, 2019, 566, 496-502.  | 13.7 | 2,292     |
| 265 | Differentially expressed coding and noncoding RNAs in CoCl <sub>2</sub> -induced cytotoxicity of C2C12 cells. Epigenomics, 2019, 11, 423-438.  | 1.0  | 7         |
| 266 | Long Noncoding Ribonucleic Acid MSTRG.59589 Promotes Porcine Skeletal Muscle Satellite Cells<br>Differentiation by Enhancing the Function of PALLD. Frontiers in Genetics, 2019, 10, 1220.   | 1.1  | 7         |
| 267 | A Novel Long Noncoding RNA, IncR-125b, Promotes the Differentiation of Goat Skeletal Muscle<br>Satellite Cells by Sponging miR-125b. Frontiers in Genetics, 2019, 10, 1171.  | 1.1  | 24        |
| 268 | Microfluidic devices for disease modeling in muscle tissue. Biomaterials, 2019, 198, 250-258.  | 5.7  | 15        |
| 269 | A novel long non-coding RNA, IncKBTBD10, involved in bovine skeletal muscle myogenesis. In Vitro<br>Cellular and Developmental Biology - Animal, 2019, 55, 25-35.  | 0.7  | 9         |
| 270 | Tocotrienol-Rich Fraction (TRF) Treatment Promotes Proliferation Capacity of Stress-Induced<br>Premature Senescence Myoblasts and Modulates the Renewal of Satellite Cells: Microarray Analysis.<br>Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-19. | 1.9  | 14        |
| 271 | Comparative transcriptome analysis reveals regulators mediating breast muscle growth and development in three chicken breeds. Animal Biotechnology, 2019, 30, 233-241.   | 0.7  | 25        |
| 272 | GM130 and p115 play a key role in the organisation of the early secretory pathway during skeletal muscle differentiation. Journal of Cell Science, 2019, 132, .  | 1.2  | 8         |
| 273 | Delayed myonuclear addition, myofiber hypertrophy, and increases in strength with high-frequency<br>low-load blood flow restricted training to volitional failure. Journal of Applied Physiology, 2019, 126,<br>578-592.   | 1.2  | 42        |
| 274 | Type 1 Muscle Fiber Hypertrophy after Blood Flow–restricted Training in Powerlifters. Medicine and Science in Sports and Exercise, 2019, 51, 288-298.  | 0.2  | 72        |

| #   | Article   | IF   | CITATIONS |
|-----|---|------|-----------|
| 275 | Prmt7 promotes myoblast differentiation via methylation of p38MAPK on arginine residue 70. Cell<br>Death and Differentiation, 2020, 27, 573-586.  | 5.0  | 24        |
| 276 | Molecular characterization, expression analysis of myostatin gene and its negative regulation by<br>miR-29b-3p in Chinese concave-eared frogs (Odorrana tormota). Comparative Biochemistry and<br>Physiology - B Biochemistry and Molecular Biology, 2020, 240, 110369. | 0.7  | 2         |
| 277 | MLL1 promotes myogenesis by epigenetically regulating <i>Myf5</i> . Cell Proliferation, 2020, 53, e12744.   | 2.4  | 16        |
| 278 | Promotion of oxidative stress is associated with mitochondrial dysfunction and muscle atrophy in aging mice. Geriatrics and Gerontology International, 2020, 20, 78-84.   | 0.7  | 40        |
| 279 | Identification and Characterization of IncRNAs Related to the Muscle Growth and Development of<br>Japanese Flounder (Paralichthys olivaceus). Frontiers in Genetics, 2020, 11, 1034.  | 1.1  | 11        |
| 280 | A Cellular Mechanism to Detect and Alleviate Reductive Stress. Cell, 2020, 183, 46-61.e21.  | 13.5 | 85        |
| 281 | lncRNA IGF2 AS Regulates Bovine Myogenesis through Different Pathways. Molecular Therapy - Nucleic<br>Acids, 2020, 21, 874-884.   | 2.3  | 14        |
| 282 | LRTM1 promotes the differentiation of myoblast cells by negatively regulating the FGFR1 signaling pathway. Experimental Cell Research, 2020, 396, 112237.   | 1.2  | 6         |
| 283 | High glucose-induced oxidative stress accelerates myogenesis by altering SUMO reactions.<br>Experimental Cell Research, 2020, 395, 112234.  | 1.2  | 13        |
| 284 | The untold story between enhancers and skeletal muscle development. Journal of Integrative Agriculture, 2020, 19, 2137-2149.  | 1.7  | 0         |
| 285 | Single-nucleus RNA-seq and FISH identify coordinated transcriptional activity in mammalian myofibers.<br>Nature Communications, 2020, 11, 5102.   | 5.8  | 136       |
| 286 | Lmod3 promotes myoblast differentiation and proliferation via the AKT and ERK pathways.<br>Experimental Cell Research, 2020, 396, 112297.   | 1.2  | 12        |
| 287 | Natural flavonoid silibinin promotes the migration and myogenic differentiation of murine C2C12<br>myoblasts via modulation of ROS generation and down-regulation of estrogen receptor α expression.<br>Molecular and Cellular Biochemistry, 2020, 474, 243-261.        | 1.4  | 3         |
| 288 | <i>IncMGPF</i> is a novel positive regulator of muscle growth and regeneration. Journal of Cachexia,<br>Sarcopenia and Muscle, 2020, 11, 1723-1746.   | 2.9  | 36        |
| 289 | Maintenance of sarcomeric integrity in adult muscle cells crucially depends on Z-disc anchored titin.<br>Nature Communications, 2020, 11, 4479.   | 5.8  | 38        |
| 290 | A Modified Pre-plating Method for High-Yield and High-Purity Muscle Stem Cell Isolation From<br>Human/Mouse Skeletal Muscle Tissues. Frontiers in Cell and Developmental Biology, 2020, 8, 793.   | 1.8  | 20        |
| 291 | Characterization of microRNAs during Embryonic Skeletal Muscle Development in the Shan Ma Duck.<br>Animals, 2020, 10, 1417.   | 1.0  | 9         |
| 292 | Identification of diverse cell populations in skeletal muscles and biomarkers for intramuscular fat of chicken by single-cell RNA sequencing. BMC Genomics, 2020, 21, 752.  | 1.2  | 24        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 293 | Human Platelet Lysate Supports Mouse Skeletal Myoblast Growth but Suppresses Cell Fusion on<br>Nanogrooves. ACS Applied Bio Materials, 2020, 3, 3594-3604.  | 2.3 | 1         |
| 294 | Transcriptome analysis reveals a molecular understanding of nicotinamide and butyrate sodium on meat quality of broilers under high stocking density. BMC Genomics, 2020, 21, 412.                                  | 1.2 | 10        |
| 295 | Microtubule Organization in Striated Muscle Cells. Cells, 2020, 9, 1395.  | 1.8 | 45        |
| 296 | Highly Proliferative Immortalized Human Dental Pulp Cells Retain the Odontogenic Phenotype when<br>Combined with a Beta-Tricalcium Phosphate Scaffold and BMP2. Stem Cells International, 2020, 2020,<br>1-18.      | 1.2 | 20        |
| 297 | A Cdh1–FoxM1–Apc axis controls muscle development and regeneration. Cell Death and Disease, 2020,<br>11, 180.   | 2.7 | 16        |
| 298 | Emerging Strategies Targeting Catabolic Muscle Stress Relief. International Journal of Molecular<br>Sciences, 2020, 21, 4681.   | 1.8 | 9         |
| 299 | Exosome biogenesis, secretion and function of exosomal miRNAs in skeletal muscle myogenesis. Cell<br>Proliferation, 2020, 53, e12857.   | 2.4 | 121       |
| 300 | MEG3 Promotes Differentiation of Porcine Satellite Cells by Sponging miR-423-5p to Relieve Inhibiting Effect on SRF. Cells, 2020, 9, 449.   | 1.8 | 17        |
| 301 | Proteomic analyses of sheep (ovis aries) embryonic skeletal muscle. Scientific Reports, 2020, 10, 1750.   | 1.6 | 13        |
| 302 | Complicated Muscle-Bone Interactions in Children with Cerebral Palsy. Current Osteoporosis Reports, 2020, 18, 47-56.  | 1.5 | 9         |
| 303 | Heterogeneity of Satellite Cells Implicates DELTA1/NOTCH2 Signaling in Self-Renewal. Cell Reports, 2020, 30, 1491-1503.e6.  | 2.9 | 47        |
| 304 | MET promotes the proliferation and differentiation of myoblasts. Experimental Cell Research, 2020, 388, 111838.   | 1.2 | 3         |
| 305 | Dynamic Transcriptomic Analysis of Breast Muscle Development From the Embryonic to Post-hatching<br>Periods in Chickens. Frontiers in Genetics, 2019, 10, 1308.   | 1.1 | 18        |
| 306 | Myogenesis control by SIX transcriptional complexes. Seminars in Cell and Developmental Biology, 2020, 104, 51-64.  | 2.3 | 25        |
| 307 | Effects of alternating blood flow restricted training and heavy-load resistance training on myofiber morphology and mechanical muscle function. Journal of Applied Physiology, 2020, 128, 1523-1532.                | 1.2 | 9         |
| 308 | miR-99a-5p Regulates the Proliferation and Differentiation of Skeletal Muscle Satellite Cells by<br>Targeting MTMR3 in Chicken. Genes, 2020, 11, 369.   | 1.0 | 24        |
| 309 | Therapeutic application of extracellular vesicles for musculoskeletal repair & regeneration.<br>Connective Tissue Research, 2021, 62, 99-114.   | 1.1 | 7         |
| 310 | Comprehensive Analysis of the Proteome and PTMomes of C2C12 Myoblasts Reveals that Sialylation<br>Plays a Role in the Differentiation of Skeletal Muscle Cells. Journal of Proteome Research, 2021, 20,<br>222-235. | 1.8 | 3         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 311 | Molecular Mechanisms of Skeletal Muscle Hypertrophy. Journal of Neuromuscular Diseases, 2021, 8,<br>169-183.  | 1.1 | 64        |
| 312 | A novel PAI-1 inhibitor prevents ageing-related muscle fiber atrophy. Biochemical and Biophysical Research Communications, 2021, 534, 849-856.  | 1.0 | 1         |
| 313 | Pyrimidine and fused pyrimidine derivatives as promising protein kinase inhibitors for cancer treatment. Medicinal Chemistry Research, 2021, 30, 31-49.   | 1.1 | 44        |
| 314 | Integrated Glycoproteomics Identifies a Role of N-Glycosylation and Galectin-1 on Myogenesis and Muscle Development. Molecular and Cellular Proteomics, 2021, 20, 100030.                               | 2.5 | 31        |
| 315 | Cerebral Palsy and Stroke—Early and Late Brain Lesion Present Differences in Systemic Biomarkers and<br>Gene Expression Related to Muscle Contractures. World Journal of Neuroscience, 2021, 11, 34-47. | 0.1 | 1         |
| 316 | A narrative review of skeletal muscle atrophy in critically ill children: pathogenesis and chronic sequelae. Translational Pediatrics, 2021, 10, 2763-2777.   | 0.5 | 6         |
| 317 | CircRILPL1 promotes muscle proliferation and differentiation via binding miR-145 to activate IGF1R/PI3K/AKT pathway. Cell Death and Disease, 2021, 12, 142.   | 2.7 | 33        |
| 318 | Recent advances and future avenues in understanding the role of adipose tissue cross talk in mediating skeletal muscle mass and function with ageing. GeroScience, 2021, 43, 85-110.                    | 2.1 | 17        |
| 319 | Role of 25-Hydroxyvitamin D3 and 1,25-Dihydroxyvitamin D3 in Chicken Embryo Osteogenesis,<br>Adipogenesis, Myogenesis, and Vitamin D3 Metabolism. Frontiers in Physiology, 2021, 12, 637629.            | 1.3 | 9         |
| 320 | Growth and Differentiation of Circulating Stem Cells After Extensive Ex Vivo Expansion. Tissue Engineering and Regenerative Medicine, 2021, 18, 411-427.  | 1.6 | 6         |
| 323 | MiR-1290 promotes myoblast differentiation and protects against myotube atrophy via Akt/p70/FoxO3 pathway regulation. Skeletal Muscle, 2021, 11, 6.   | 1.9 | 14        |
| 324 | Cellular and molecular pathways controlling muscle size in response to exercise. FEBS Journal, 2022, 289, 1428-1456.  | 2.2 | 16        |
| 325 | Comparative transcriptome profiles of large and small bodied large-scale loaches cultivated in paddy fields. Scientific Reports, 2021, 11, 4936.  | 1.6 | 3         |
| 326 | Long noncoding RNA SMUL suppresses SMURF2 production-mediated muscle atrophy via nonsense-mediated mRNA decay. Molecular Therapy - Nucleic Acids, 2021, 23, 512-526.                                    | 2.3 | 24        |
| 327 | Oleate Ameliorates Palmitate-Induced Impairment of Differentiative Capacity in C2C12 Myoblast Cells.<br>Stem Cells and Development, 2021, 30, 289-300.  | 1.1 | 6         |
| 328 | Cystathionine gamma″yase/H 2 S signaling facilitates myogenesis under aging and injury condition.<br>FASEB Journal, 2021, 35, e21511.   | 0.2 | 10        |
| 329 | Activation of skeletal muscle–resident glial cells upon nerve injury. JCI Insight, 2021, 6, .   | 2.3 | 20        |
| 331 | Effects of topological constraints on the alignment and maturation of multinucleated myotubes.<br>Biotechnology and Bioengineering, 2021, 118, 2234-2242.   | 1.7 | 1         |

ARTICLE IF CITATIONS # Plectin regulates Wnt signaling mediated-skeletal muscle development by interacting with 332 1.0 11 Dishevelled-2 and antagonizing autophagy. Gene, 2021, 783, 145562. Mechanisms of exercise as a preventative measure to muscle wasting. American Journal of Physiology -2.1 Cell Physiology, 2021, 321, C40-C57. PERK Signaling Controls Myoblast Differentiation by Regulating MicroRNA Networks. Frontiers in 334 1.8 11 Cell and Developmental Biology, 2021, 9, 670435. Current Issues and Technical Advances in Cultured Meat Production: A Review. Food Science of 39 Animal Resources, 2021, 41, 355-372. The Effects of Marine Algal Polyphenols, Phlorotannins, on Skeletal Muscle Growth in C2C12 Muscle 336 2.2 9 Cells via Smad and IGF-1 Signaling Pathways. Marine Drugs, 2021, 19, 266. A novel lncRNA promotes myogenesis of bovine skeletal muscle satellite cells via PFN1â€RhoA/Rac1. Journal of Cellular and Molecular Medicine, 2021, 25, 5988-6005. 1.6 Transcriptome Analysis Reveals the Profile of Long Non-coding RNAs During Chicken Muscle 338 1.3 3 Development. Frontiers in Physiology, 2021, 12, 660370. Small heat-shock protein HSPB3 promotes myogenesis by regulating the lamin B receptor. Cell Death 2.7 16 and Disease, 2021, 12, 452. Circular RNA circMYBPC1 promotes skeletal muscle differentiation by targeting MyHC. Molecular 340 2.3 41 Therapy - Nucleic Acids, 2021, 24, 352-368. Controlling cellular organization in bioprinting through designed 3D microcompartmentalization. 341 5.5 Applied Physics Reviews, 2021, 8, 021404. Endothelial ontogeny and the establishment of vascular heterogeneity. BioEssays, 2021, 43, e2100036. 342 10 1.2 Analysis of long intergenic non-coding RNAs transcriptomic profiling in skeletal muscle growth 1.6 during porcine embryonicÂdevelopment. Scientific Reports, 2021, 11, 15240. Branchiomeric Muscle Development Requires Proper Retinoic Acid Signaling. Frontiers in Cell and 344 1.8 1 Developmental Biology, 2021, 9, 596838. Circadian rhythm shows potential for mRNA efficiency and self-organized division of labor in multinucleate cells. PLoS Computational Biology, 2021, 17, e1008828. 345 1.5 Growth factors improve the proliferation of Jeju black pig muscle cells by regulating myogenic 346 0.8 12 differentiation 1 and growth-related genes. Animal Bioscience, 2021, 34, 1392-1402. Understanding skeletal muscle in cerebral palsy: a path to personalized medicine?. Developmental Medicine and Child Neurology, 2022, 64, 289-295. 349 1.1 Decorin regulates myostatin and enhances proliferation and differentiation of embryonic myoblasts 350 1.0 2 in Leizhou black duck. Gene, 2021, 804, 145884. Cortisol differentially affects the viability and myogenesis of mono- and co-cultured porcine gluteal

CITATION REPORT

muscles satellite cells and fibroblasts. Tissue and Cell, 2021, 73, 101615.

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 352 | Lnc-ORA interacts with microRNA-532-3p and IGF2BP2 to inhibit skeletal muscle myogenesis. Journal of<br>Biological Chemistry, 2021, 296, 100376.   | 1.6 | 18        |
| 353 | Myotonic Dystrophy and Developmental Regulation of RNA Processing. , 2018, 8, 509-553.   |     | 26        |
| 354 | Regulation of Eukaryotic Cell Differentiation by Long Non-coding RNAs. , 2013, , 15-67.  |     | 4         |
| 355 | Skeletal Muscle Stem Cells for Muscle Regeneration. Methods in Molecular Biology, 2014, 1213, 245-253.   | 0.4 | 4         |
| 356 | Skeletal Muscle microRNAs: Roles in Differentiation, Disease and Exercise. Research and Perspectives in Endocrine Interactions, 2017, , 67-81.   | 0.2 | 9         |
| 357 | Circular RNA Profiling Reveals an Abundant circEch1 That Promotes Myogenesis and Differentiation of Bovine Skeletal Muscle. Journal of Agricultural and Food Chemistry, 2021, 69, 592-601.                               | 2.4 | 35        |
| 362 | Cell-Autonomous and Non-Cell-Autonomous Roles for Irf6 during Development of the Tongue. PLoS<br>ONE, 2013, 8, e56270.   | 1.1 | 17        |
| 363 | Paracrine Effects of IGF-1 Overexpression on the Functional Decline Due to Skeletal Muscle Disuse:<br>Molecular and Functional Evaluation in Hindlimb Unloaded MLC/mIgf-1 Transgenic Mice. PLoS ONE,<br>2013, 8, e65167. | 1.1 | 24        |
| 364 | Trbp Is Required for Differentiation of Myoblasts and Normal Regeneration of Skeletal Muscle. PLoS<br>ONE, 2016, 11, e0155349.   | 1.1 | 9         |
| 365 | Cdo Regulates Surface Expression of Kir2.1 K+ Channel in Myoblast Differentiation. PLoS ONE, 2016, 11, e0158707.   | 1.1 | 16        |
| 366 | Rates of myogenesis and myofiber numbers are reduced in late gestation IUGR fetal sheep. Journal of<br>Endocrinology, 2020, 244, 339-352.  | 1.2 | 15        |
| 367 | Genes expression profiles in the loin muscle of Manych Merino sheep with different live weight. , 2016, 19, 19-29.   |     | 1         |
| 368 | Cell Differentiation and Checkpoint. International Journal of Cancer Research and Molecular<br>Mechanisms, 2015, 1, .  | 0.2 | 4         |
| 369 | Correlation between gene expression profiles in muscle and live weight in Dzhalginsky Merino sheep.<br>Revista Colombiana De Ciencias Pecuarias, 2016, 29, .   | 0.4 | 6         |
| 370 | TP53/miR-34a-associated signaling targets SERPINE1 expression in human pancreatic cancer. Aging, 2020, 12, 2777-2797.  | 1.4 | 21        |
| 372 | Regulation of Skeletal Muscle Plasticity by Glycogen Synthase Kinase-3β: A Potential Target for<br>the Treatment of Muscle Wasting. Current Pharmaceutical Design, 2013, 19, 3276-3298.                                  | 0.9 | 15        |
| 373 | Nuclear Export Mediated Regulation of MicroRNAs: Potential Target for Drug Intervention. Current<br>Drug Targets, 2013, 14, 1094-1100.   | 1.0 | 40        |
| 374 | The Expression and Functional Roles of miRNAs in Embryonic and Lineage-Specific Stem Cells. Current<br>Stem Cell Research and Therapy, 2019, 14, 278-289.  | 0.6 | 19        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 375 | Mechanism and Functions of Identified miRNAs in Poultry Skeletal Muscle Development – A Review.<br>Annals of Animal Science, 2019, 19, 887-904.                         | 0.6 | 2         |
| 376 | Indels within the bovine visfatin gene affect its mRNA expression in longissimus muscle and subcutaneous fat. Archives Animal Breeding, 2016, 59, 91-95.                | 0.5 | 5         |
| 377 | Pask integrates hormonal signaling with histone modification via Wdr5 phosphorylation to drive myogenesis. ELife, 2016, 5, .  | 2.8 | 16        |
| 378 | BRAF activates PAX3 to control muscle precursor cell migration during forelimb muscle development.<br>ELife, 2016, 5, .   | 2.8 | 16        |
| 379 | Extensive alternative splicing transitions during postnatal skeletal muscle development are required for calcium handling functions. ELife, 2017, 6, .                  | 2.8 | 58        |
| 380 | Analysis of dynamic and widespread IncRNA and miRNA expression in fetal sheep skeletal muscle. PeerJ, 2020, 8, e9957.   | 0.9 | 10        |
| 381 | Skeletal Muscle Regeneration by the Exosomes of Adipose Tissue-Derived Mesenchymal Stem Cells.<br>Current Issues in Molecular Biology, 2021, 43, 1473-1488.             | 1.0 | 20        |
| 382 | Myogenin controls via AKAP6 non-centrosomal microtubule-organizing center formation at the nuclear envelope. ELife, 2021, 10, .   | 2.8 | 6         |
| 383 | Identification of Chimeric RNAs in Pig Skeletal Muscle and Transcriptomic Analysis of Chimeric RNA<br>TNNI2-ACTA1 V1. Frontiers in Veterinary Science, 2021, 8, 742593. | 0.9 | 3         |
| 384 | MicroRNAs in skeletal muscle. Japanese Journal of Physical Fitness and Sports Medicine, 2012, 61, 61-70.  | 0.0 | 2         |
| 385 | Cardiac Myocytes and Mechanosensation. , 0, , .   |     | 0         |
| 386 | Zellen. , 2014, , 131-199.  |     | 0         |
| 390 | Organizational Properties of a Functional Mammalian Cis-Regulome. SSRN Electronic Journal, 0, , .   | 0.4 | 0         |
| 391 | Skeletal Muscle Structure in Spastic Cerebral Palsy. , 2018, , 1075-1089.   |     | 0         |
| 397 | MicroRNA‑23a‑5p mediates the proliferation and differentiation of C2C12 myoblasts. Molecular<br>Medicine Reports, 2020, 22, 3705-3714.                                  | 1.1 | 4         |
| 400 | The temporal specific role of WNT/l²-catenin signaling during myogenesis. Journal of Nature and Science, 2015, 1, e143.   | 1.1 | 8         |
| 401 | Pyruvate Might Bridge Gut Microbiota and Muscle Health in Aging Mice After Chronic High Dose of<br>Leucine Supplementation. Frontiers in Medicine, 2021, 8, 755803.     | 1.2 | 3         |
| 402 | The genome variation and developmental transcriptome maps reveal genetic differentiation of skeletal muscle in pigs. PLoS Genetics, 2021, 17, e1009910.                 | 1.5 | 22        |

| #   | Article   | IF  | Citations |
|-----|---|-----|-----------|
| 403 | Molecular Cloning, Characterization and Expression Profile of Myf5 and Myf6 During Growth and Development in the Seriola lalandi. Journal of Ocean University of China, 2021, 20, 1597-1605.                      | 0.6 | 1         |
| 404 | Nano-sized graphene oxide coated nanopillars on microgroove polymer arrays that enhance skeletal muscle cell differentiation. Nano Convergence, 2021, 8, 40.  | 6.3 | 18        |
| 405 | LncEDCH1Âimproves mitochondrial function to reduce muscle atrophy by interacting with SERCA2.<br>Molecular Therapy - Nucleic Acids, 2022, 27, 319-334.  | 2.3 | 9         |
| 406 | Maternal undernutrition alters the skeletal muscle development and methylation of myogenic factors in goat offspring. Animal Bioscience, 2022, 35, 847-857.   | 0.8 | 4         |
| 407 | Interleukinâ€15 receptor subunit alpha regulates interleukinâ€15 localization and protein expression in skeletal muscle cells. Experimental Physiology, 2022, 107, 222-232.                                       | 0.9 | 4         |
| 408 | Biogenesis and function of extracellular vesicles in pathophysiological processes of skeletal muscle atrophy. Biochemical Pharmacology, 2022, 198, 114954.  | 2.0 | 38        |
| 409 | <i>Tent5a</i> modulates muscle fiber formation in adolescent idiopathic scoliosis via maintenance of myogenin expression. Cell Proliferation, 2022, 55, e13183.   | 2.4 | 6         |
| 410 | Yeast hydrolysate ameliorates dexamethasone-induced muscle atrophy by suppressing MuRF-1 expression in C2C12 cells and C57BL/6 mice. Journal of Functional Foods, 2022, 90, 104985.                               | 1.6 | 4         |
| 412 | Role of skeletal muscle satellite cells in the repair of osteoporotic fractures mediated by βâ€catenin.<br>Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 1403-1417.                                       | 2.9 | 9         |
| 414 | Driving an Oxidative Phenotype Protects Myh4 Null Mice From Myofiber Loss During Postnatal<br>Growth. Frontiers in Physiology, 2021, 12, 785151.  | 1.3 | 2         |
| 415 | Myokines and Resistance Training: A Narrative Review. International Journal of Molecular Sciences, 2022, 23, 3501.  | 1.8 | 29        |
| 416 | Maternal exposure to <scp>glyphosateâ€based</scp> herbicide promotes changes in the muscle structure of C57BL/6 mice offspring. Anatomical Record, 2022, 305, 3307-3316.  | 0.8 | 7         |
| 417 | m6A Methylases Regulate Myoblast Proliferation, Apoptosis and Differentiation. Animals, 2022, 12, 773.  | 1.0 | 5         |
| 418 | Gene markers of dietary macronutrient composition and growth in the skeletal muscle of gilthead sea<br>bream (Sparus aurata). Aquaculture, 2022, 555, 738221.   | 1.7 | 6         |
| 419 | METTL3 promotes proliferation and myogenic differentiation through m6A RNA methylation/YTHDF1/2 signaling axis in myoblasts. Life Sciences, 2022, 298, 120496.  | 2.0 | 10        |
| 420 | The mechanism of Megalobrama amblycephala muscle injury repair based on RNA-seq. Gene, 2022, 827,<br>146455.  | 1.0 | 0         |
| 421 | Non-coding RNAs-associated ceRNA networks involved in the amelioration of skeletal muscle aging after whey protein supplementation. Journal of Nutritional Biochemistry, 2022, 104, 108968.                       | 1.9 | 1         |
| 422 | Transcriptome-wide N6-Methyladenosine Methylome Profiling Reveals m6A Regulation of Skeletal<br>Myoblast Differentiation in Cattle (Bos taurus). Frontiers in Cell and Developmental Biology, 2021, 9,<br>785380. | 1.8 | 10        |

| #   | Article  | IF   | CITATIONS |
|-----|--|------|-----------|
| 423 | L-Arginine Supplementation for Nulliparous Sows during the Last Third of Gestation. Animals, 2021, 11, 3476.   | 1.0  | 1         |
| 424 | Genome-wide identification of enhancers and transcription factors regulating the myogenic differentiation of bovine satellite cells. BMC Genomics, 2021, 22, 901.  | 1.2  | 6         |
| 425 | Regulation of Myostatin on the Growth and Development of Skeletal Muscle. Frontiers in Cell and Developmental Biology, 2021, 9, 785712.  | 1.8  | 47        |
| 426 | SIGNET: single-cell RNA-seq-based gene regulatory network prediction using multiple-layer perceptron bagging. Briefings in Bioinformatics, 2022, 23, .   | 3.2  | 9         |
| 427 | Transcriptomic analysis of thigh muscle of Lueyang black-bone chicken in free-range and caged feeding. Animal Biotechnology, 2023, 34, 785-795.  | 0.7  | 8         |
| 428 | Positional Context of Myonuclear Transcription During Injury-Induced Muscle Regeneration.<br>Frontiers in Physiology, 2022, 13, 845504.  | 1.3  | 5         |
| 429 | Expression Profile Analysis to Identify Circular RNA Expression Signatures in Muscle Development of<br>Wu'an Goat Longissimus Dorsi Tissues. Frontiers in Veterinary Science, 2022, 9, 833946.   | 0.9  | 6         |
| 430 | Modulatory effects of cell–cell interactions between porcine skeletal muscle satellite cells and fibroblasts on the expression of myogenesis-related genes. Journal of Applied Animal Research, 2022, 50, 259-268.                                     | 0.4  | 3         |
| 431 | Identification and characterization of long non-coding RNAs in juvenile and adult skeletal muscle of<br>largemouth bass (Micropterus salmoides). Comparative Biochemistry and Physiology - B Biochemistry<br>and Molecular Biology, 2022, 261, 110748. | 0.7  | 0         |
| 466 | Singleâ€Cell RNA Sequencing Reveals Heterogeneity of Myf5â€Derived Cells and Altered Myogenic Fate in the Absence of SRSF2. Advanced Science, 2022, , 2105775.   | 5.6  | 3         |
| 467 | Long noncoding RNA ZFP36L2-AS functions as a metabolic modulator to regulate muscle development.<br>Cell Death and Disease, 2022, 13, 389.   | 2.7  | 7         |
| 468 | Additional effects of simultaneous treatment with C14-Cblin and celastrol on the clinorotation-induced rat L6 myotube atrophy. Journal of Medical Investigation, 2022, 69, 127-134.  | 0.2  | 1         |
| 469 | Therapeutic Properties of Ayahuasca Components in Ischemia/Reperfusion Injury of the Eye.<br>Biomedicines, 2022, 10, 997.  | 1.4  | 1         |
| 470 | LncR-133a Suppresses Myoblast Differentiation by Sponging miR-133a-3p to Activate the FGFR1/ERK1/2 Signaling Pathway in Goats. Genes, 2022, 13, 818.   | 1.0  | 4         |
| 471 | Identification of distinct non-myogenic skeletal-muscle-resident mesenchymal cell populations. Cell<br>Reports, 2022, 39, 110785.  | 2.9  | 23        |
| 472 | Regulation of A-to-I RNA editing and stop codon recoding to control selenoprotein expression during skeletal myogenesis. Nature Communications, 2022, 13, 2503.  | 5.8  | 5         |
| 473 | Integrative analysis of circRNA, miRNA, and mRNA profiles to reveal ceRNA regulation in chicken muscle development from the embryonic to post-hatching periods. BMC Genomics, 2022, 23, 342.   | 1.2  | 8         |
| 474 | Young CSF restores oligodendrogenesis and memory in aged mice via Fgf17. Nature, 2022, 605, 509-515.   | 13.7 | 98        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 475 | MEF2C Expression Is Regulated by the Post-transcriptional Activation of the METTL3-m6A-YTHDF1 Axis in Myoblast Differentiation. Frontiers in Veterinary Science, 2022, 9, 900924.   | 0.9 | 8         |
| 476 | miR-377 Inhibits Proliferation and Differentiation of Bovine Skeletal Muscle Satellite Cells by<br>Targeting FHL2. Genes, 2022, 13, 947.  | 1.0 | 3         |
| 477 | 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         |
| 478 | Regulation of Non-Coding RNA in the Growth and Development of Skeletal Muscle in Domestic Chickens. Genes, 2022, 13, 1033.  | 1.0 | 8         |
| 479 | Multi-Omics Analysis of the Microbiome and Metabolome Reveals the Relationship Between the Gut<br>Microbiota and Wooden Breast Myopathy in Broilers. Frontiers in Veterinary Science, 0, 9, .   | 0.9 | 2         |
| 480 | Design, synthesis, and anti-cancer evaluation of new pyrido[2,3-d]pyrimidin-4(3H)-one derivatives as potential EGFRWT and EGFRT790M inhibitors and apoptosis inducers. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1053-1076. | 2.5 | 16        |
| 481 | Knockdown of VEGFB/VEGFR1 Signaling Promotes White Adipose Tissue Browning and Skeletal Muscle<br>Development. International Journal of Molecular Sciences, 2022, 23, 7524.   | 1.8 | 3         |
| 482 | CREB1 promotes proliferation and differentiation by mediating the transcription of CCNA2 and MYOG in bovine myoblasts. International Journal of Biological Macromolecules, 2022, 216, 32-41.  | 3.6 | 10        |
| 483 | MicroRNA-29b/graphene oxide–polyethyleneglycol–polyethylenimine complex incorporated within chitosan hydrogel promotes osteogenesis. Frontiers in Chemistry, 0, 10, .   | 1.8 | 6         |
| 484 | Sexual dimorphism through androgen signaling; from external genitalia to muscles. Frontiers in Endocrinology, 0, 13, .  | 1.5 | 3         |
| 485 | Coding and Noncoding Genes Involved in Atrophy and Compensatory Muscle Growth in Nile Tilapia.<br>Cells, 2022, 11, 2504.  | 1.8 | 1         |
| 486 | PPARGC1A Is a Moderator of Skeletal Muscle Development Regulated by miR-193b-3p. International Journal of Molecular Sciences, 2022, 23, 9575.   | 1.8 | 4         |
| 487 | Role of USP13 in physiology and diseases. Frontiers in Molecular Biosciences, 0, 9, .   | 1.6 | 6         |
| 488 | Downregulation of Sparc-like protein 1 during cisplatin-induced inhibition of myogenic differentiation of C2C12 myoblasts. Biochemical Pharmacology, 2022, 204, 115234.   | 2.0 | 2         |
| 489 | The structure and growth of muscle. , 2023, , 51-103.   |     | 2         |
| 490 | CircSUCO promotes proliferation and differentiation of chicken skeletal muscle satellite cells<br><i>via</i> sponging miR-15. British Poultry Science, 0, , .   | 0.8 | 1         |
| 491 | Generation of mega brown adipose tissue in adults by controlling brown adipocyte differentiation in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .   | 3.3 | 1         |
| 492 | Effect of thermal manipulation during embryogenesis on gene expression of myogenic regulatory factors pre and post hatch in broilers. Indian Journal of Animal Sciences, 2022, 92, .  | 0.1 | Ο         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 494 | Molecular Characterization of LKB1 of Triploid Crucian Carp and Its Regulation on Muscle Growth and Quality. Animals, 2022, 12, 2474.   | 1.0 | 4         |
| 496 | Temporal Expression of Myogenic Regulatory Genes in Different Chicken Breeds during Embryonic<br>Development. International Journal of Molecular Sciences, 2022, 23, 10115.                             | 1.8 | 3         |
| 497 | Profiling Analysis of N6-Methyladenosine mRNA Methylation Reveals Differential m6A Patterns during the Embryonic Skeletal Muscle Development of Ducks. Animals, 2022, 12, 2593.                         | 1.0 | 6         |
| 499 | CircTCF4 Suppresses Proliferation and Differentiation of Goat Skeletal Muscle Satellite Cells<br>Independent from AGO2 Binding. International Journal of Molecular Sciences, 2022, 23, 12868.           | 1.8 | 5         |
| 501 | Identification and Characterization of IncRNAs Expression Profile Related to Goat Skeletal Muscle at<br>Different Development Stages. Animals, 2022, 12, 2683.  | 1.0 | 0         |
| 502 | Eldecalcitol prevents muscle loss by suppressing PI3K/AKT/FOXOs pathway in orchiectomized mice.<br>Frontiers in Pharmacology, 0, 13, .  | 1.6 | 2         |
| 503 | The Effect of Heat Shock on Myogenic Differentiation of Human Skeletal-Muscle-Derived Mesenchymal<br>Stem/Stromal Cells. Cells, 2022, 11, 3209.   | 1.8 | 2         |
| 504 | Transcriptome Sequencing Reveals Pathways Related to Proliferation and Differentiation of Shitou<br>Goose Myoblasts. Animals, 2022, 12, 2956.   | 1.0 | 5         |
| 505 | Atrophic skeletal muscle fibreâ€derived small extracellular vesicle miRâ€690 inhibits satellite cell<br>differentiation during ageing. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 3163-3180. | 2.9 | 11        |
| 506 | Recent advances in cellâ€based and cellâ€free therapeutic approaches for sarcopenia. FASEB Journal, 2022,<br>36, .  | 0.2 | 2         |
| 507 | Skeletal Muscle–Extricated Extracellular Vesicles: Facilitators of Repair and Regeneration. , 2022, ,<br>1097-1121.   |     | 1         |
| 508 | Extracellular vesicle-derived miRNAs improve stem cell-based therapeutic approaches in muscle wasting conditions. Frontiers in Immunology, 0, 13, .   | 2.2 | 3         |
| 509 | Postmortem skeletal muscle metabolism of farm animals approached with metabolomics. Animal Bioscience, 0, , .   | 0.8 | 0         |
| 510 | Interactive regulation of DNA demethylase gene TET1 and m6A methyltransferase gene METTL3 in myoblast differentiation. International Journal of Biological Macromolecules, 2022, 223, 916-930.          | 3.6 | 8         |
| 511 | Transcriptome-Wide Study of mRNAs and IncRNAs Modified by m6A RNA Methylation in the Longissimus<br>Dorsi Muscle Development of Cattle-Yak. Cells, 2022, 11, 3654.                                      | 1.8 | 2         |
| 512 | Transcriptome and Methylome Profiling in Rat Skeletal Muscle: Impact of Post-Weaning Protein<br>Restriction. International Journal of Molecular Sciences, 2022, 23, 15771.                              | 1.8 | 0         |
| 513 | FOXO3a-dependent PARKIN negatively regulates cardiac hypertrophy by restoring mitophagy. Cell and Bioscience, 2022, 12, .   | 2.1 | 3         |
| 514 | Nonsense-mediated mRNA decay promote C2C12 cell proliferation by targeting PIK3R5. Journal of Muscle Research and Cell Motility, 2023, 44, 11-23.   | 0.9 | 3         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 515 | Nuclear factor 1 X-type-associated regulation of myogenesis in developing mouse tongue. Journal of Oral Biosciences, 2023, , .   | 0.8 | 0         |
| 516 | LncRNA-TBP mediates TATA-binding protein recruitment to regulate myogenesis and induce slow-twitch myofibers. Cell Communication and Signaling, 2023, 21, .  | 2.7 | 2         |
| 517 | A comprehensive normative reference database of muscleÂmorphology in typically developing children<br>aged 3–18 years—a crossâ€sectional ultrasound study. Journal of Anatomy, 2023, 242, 754-770. | 0.9 | 3         |
| 518 | Transcriptome RNA Sequencing Reveals That Circular RNAs Are Abundantly Expressed in Embryonic<br>Breast Muscle of Duck. Veterinary Sciences, 2023, 10, 75.   | 0.6 | 6         |
| 519 | Uncovering the prominent role of satellite cells in paravertebral muscle developmentÂand aging by single-nucleus RNA sequencing. Genes and Diseases, 2023, 10, 2597-2613.                          | 1.5 | 2         |
| 520 | Single-cell RNA sequencing in skeletal muscle developmental biology. Biomedicine and Pharmacotherapy, 2023, 162, 114631.   | 2.5 | 1         |
| 521 | Effect of <i>Lentinula edodes</i> water extracts and Lentinan on proliferation of myosatellite cell of<br><i>Bos taurus</i> Hanwoo. Journal of Applied Biological Chemistry, 0, 66, .              | 0.2 | 0         |
| 523 | Transcriptome-Wide Study Revealed That N6-Methyladenosine Participates in Regulation Meat<br>Production in Goats. Foods, 2023, 12, 1159.   | 1.9 | 1         |
| 524 | The role of <i>Limch1</i> alternative splicing in skeletal muscle function. Life Science Alliance, 2023, 6, e202201868.  | 1.3 | 0         |
| 525 | Transcriptome Analysis Reveals the Profile of Long Non-Coding RNAs during Myogenic Differentiation in Goats. International Journal of Molecular Sciences, 2023, 24, 6370.                          | 1.8 | 0         |
| 526 | Identification of Key Functional Genes and LncRNAs Influencing Muscle Growth and Development in<br>Leizhou Black Goats. Genes, 2023, 14, 881.  | 1.0 | 1         |
| 553 | Overview of Head Muscles with Special Emphasis on Extraocular Muscle Development. Advances in Anatomy, Embryology and Cell Biology, 2023, , 57-80.   | 1.0 | 0         |