

# Shihuan Kuang

## List of Publications by Citations

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136  
papers

7,753  
citations

44  
h-index

86  
g-index

144  
ext. papers

9,254  
ext. citations

6.4  
avg, IF

6.06  
L-index

#	Paper	IF	Citations
136	PRDM16 controls a brown fat/skeletal muscle switch. <i>Nature</i> , <b>2008</b> , 454, 961-7	50.4	1645
135	Asymmetric self-renewal and commitment of satellite stem cells in muscle. <i>Cell</i> , <b>2007</b> , 129, 999-1010	56.2	941
134	Niche regulation of muscle satellite cell self-renewal and differentiation. <i>Cell Stem Cell</i> , <b>2008</b> , 2, 22-31	18	368
133	Distinct roles for Pax7 and Pax3 in adult regenerative myogenesis. <i>Journal of Cell Biology</i> , <b>2006</b> , 172, 103-13	7.3	356
132	The emerging biology of satellite cells and their therapeutic potential. <i>Trends in Molecular Medicine</i> , <b>2008</b> , 14, 82-91	11.5	253
131	Myostatin knockout drives browning of white adipose tissue through activating the AMPK-PGC1 $\beta$ -Fndc5 pathway in muscle. <i>FASEB Journal</i> , <b>2013</b> , 27, 1981-9	0.9	208
130	Constitutive Notch activation upregulates Pax7 and promotes the self-renewal of skeletal muscle satellite cells. <i>Molecular and Cellular Biology</i> , <b>2012</b> , 32, 2300-11	4.8	178
129	The molecular regulation of muscle stem cell function. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>2008</b> , 73, 323-31	3.9	177
128	Inhibition of Notch signaling promotes browning of white adipose tissue and ameliorates obesity. <i>Nature Medicine</i> , <b>2014</b> , 20, 911-8	50.5	170
127	Hypoxia promotes satellite cell self-renewal and enhances the efficiency of myoblast transplantation. <i>Development (Cambridge)</i> , <b>2012</b> , 139, 2857-65	6.6	127
126	Fatty acid binding protein 4 expression marks a population of adipocyte progenitors in white and brown adipose tissues. <i>FASEB Journal</i> , <b>2013</b> , 27, 277-87	0.9	123
125	Notch signaling as a novel regulator of metabolism. <i>Trends in Endocrinology and Metabolism</i> , <b>2015</b> , 26, 248-55	8.8	97
124	miR-133a regulates adipocyte browning in vivo. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003626	6	97
123	Dlk1 is necessary for proper skeletal muscle development and regeneration. <i>PLoS ONE</i> , <b>2010</b> , 5, e15055	3.7	93
122	p38- $\gamma$ -dependent gene silencing restricts entry into the myogenic differentiation program. <i>Journal of Cell Biology</i> , <b>2009</b> , 187, 991-1005	7.3	83
121	Early detection and monitoring of chronic wounds using low-cost, omniphobic paper-based smart bandages. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 117, 696-705	11.8	71
120	Ryanodine receptors in human pancreatic beta cells: localization and effects on insulin secretion. <i>FASEB Journal</i> , <b>2004</b> , 18, 878-80	0.9	70

119	Plk1 inhibition enhances the efficacy of androgen signaling blockade in castration-resistant prostate cancer. <i>Cancer Research</i> , <b>2014</b> , 74, 6635-47	10.1	67
118	Pten is necessary for the quiescence and maintenance of adult muscle stem cells. <i>Nature Communications</i> , <b>2017</b> , 8, 14328	17.4	66
117	Myricitrin Alleviates Oxidative Stress-induced Inflammation and Apoptosis and Protects Mice against Diabetic Cardiomyopathy. <i>Scientific Reports</i> , <b>2017</b> , 7, 44239	4.9	66
116	Megf10 regulates the progression of the satellite cell myogenic program. <i>Journal of Cell Biology</i> , <b>2007</b> , 179, 911-22	7.3	65
115	Distinct populations of adipogenic and myogenic Myf5-lineage progenitors in white adipose tissues. <i>Journal of Lipid Research</i> , <b>2013</b> , 54, 2214-2224	6.3	63
114	Stimulated Raman scattering flow cytometry for label-free single-particle analysis. <i>Optica</i> , <b>2017</b> , 4, 103	8.6	62
113	Notch signaling deficiency underlies age-dependent depletion of satellite cells in muscular dystrophy. <i>DMM Disease Models and Mechanisms</i> , <b>2014</b> , 7, 997-1004	4.1	62
112	Stilbenoids remodel the DNA methylation patterns in breast cancer cells and inhibit oncogenic NOTCH signaling through epigenetic regulation of MAML2 transcriptional activity. <i>Carcinogenesis</i> , <b>2016</b> , 37, 656-68	4.6	60
111	Plk1 phosphorylation of PTEN causes a tumor-promoting metabolic state. <i>Molecular and Cellular Biology</i> , <b>2014</b> , 34, 3642-61	4.8	58
110	Lkb1 controls brown adipose tissue growth and thermogenesis by regulating the intracellular localization of CRTC3. <i>Nature Communications</i> , <b>2016</b> , 7, 12205	17.4	56
109	TRIM32 regulates skeletal muscle stem cell differentiation and is necessary for normal adult muscle regeneration. <i>PLoS ONE</i> , <b>2012</b> , 7, e30445	3.7	54
108	Adipocyte-specific deletion of mTOR inhibits adipose tissue development and causes insulin resistance in mice. <i>Diabetologia</i> , <b>2016</b> , 59, 1995-2004	10.3	53
107	mTOR is necessary for proper satellite cell activity and skeletal muscle regeneration. <i>Biochemical and Biophysical Research Communications</i> , <b>2015</b> , 463, 102-8	3.4	52
106	Elevated levels of active matrix metalloproteinase-9 cause hypertrophy in skeletal muscle of normal and dystrophin-deficient mdx mice. <i>Human Molecular Genetics</i> , <b>2011</b> , 20, 4345-59	5.6	51
105	AMP-Activated Protein Kinase Directly Phosphorylates and Destabilizes Hedgehog Pathway Transcription Factor GLI1 in Medulloblastoma. <i>Cell Reports</i> , <b>2015</b> , 12, 599-609	10.6	50
104	Plk1 phosphorylation of orc2 and hbo1 contributes to gemcitabine resistance in pancreatic cancer. <i>Molecular Cancer Therapeutics</i> , <b>2013</b> , 12, 58-68	6.1	50
103	Temporal Dynamics and Heterogeneity of Cell Populations during Skeletal Muscle Regeneration. <i>IScience</i> , <b>2020</b> , 23, 100993	6.1	48
102	Inhibition of cholesterol biosynthesis overcomes enzalutamide resistance in castration-resistant prostate cancer (CRPC). <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 14328-14341	5.4	48

101	Intramuscular adipose is derived from a non-Pax3 lineage and required for efficient regeneration of skeletal muscles. <i>Developmental Biology</i> , <b>2012</b> , 361, 27-38	3.1	48
100	Serotonergic sensory-motor neurons mediate a behavioral response to hypoxia in pond snail embryos. <i>Journal of Neurobiology</i> , <b>2002</b> , 52, 73-83		48
99	Conditional Loss of Pten in Myogenic Progenitors Leads to Postnatal Skeletal Muscle Hypertrophy but Age-Dependent Exhaustion of Satellite Cells. <i>Cell Reports</i> , <b>2016</b> , 17, 2340-2353	10.6	47
98	Notch activation drives adipocyte dedifferentiation and tumorigenic transformation in mice. <i>Journal of Experimental Medicine</i> , <b>2016</b> , 213, 2019-37	16.6	46
97	Impaired exercise tolerance, mitochondrial biogenesis, and muscle fiber maintenance in miR-133a-deficient mice. <i>FASEB Journal</i> , <b>2016</b> , 30, 3745-3758	0.9	46
96	Genetic ablation of TWEAK augments regeneration and post-injury growth of skeletal muscle in mice. <i>American Journal of Pathology</i> , <b>2010</b> , 177, 1732-42	5.8	45
95	Lkb1 is indispensable for skeletal muscle development, regeneration, and satellite cell homeostasis. <i>Stem Cells</i> , <b>2014</b> , 32, 2893-907	5.8	44
94	Myostatin facilitates slow and inhibits fast myosin heavy chain expression during myogenic differentiation. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 426, 83-8	3.4	44
93	Stage-specific effects of Notch activation during skeletal myogenesis. <i>ELife</i> , <b>2016</b> , 5,	8.9	44
92	Loss of MyoD Promotes Fate Transdifferentiation of Myoblasts Into Brown Adipocytes. <i>EBioMedicine</i> , <b>2017</b> , 16, 212-223	8.8	42
91	Evaluation of Muscle Performance in Mice by Treadmill Exhaustion Test and Whole-limb Grip Strength Assay. <i>Bio-protocol</i> , <b>2017</b> , 7,	0.9	40
90	A heterogeneous lineage origin underlies the phenotypic and molecular differences of white and beige adipocytes. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 3527-32	5.3	39
89	Laser ablation reveals regulation of ciliary activity by serotonergic neurons in molluscan embryos. <i>Journal of Neurobiology</i> , <b>2001</b> , 47, 1-15		37
88	A novel brown adipocyte-enriched long non-coding RNA that is required for brown adipocyte differentiation and sufficient to drive thermogenic gene program in white adipocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2018</b> , 1863, 409-419	5	36
87	Wearable and Implantable Epidermal Paper-Based Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 31061-31068	9.5	36
86	PPAR $\gamma$ regulates satellite cell proliferation and skeletal muscle regeneration. <i>Skeletal Muscle</i> , <b>2011</b> , 1, 33	5.1	36
85	Heat therapy promotes the expression of angiogenic regulators in human skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2016</b> , 311, R377-91	3.2	34
84	Muscle Histology Characterization Using H&E Staining and Muscle Fiber Type Classification Using Immunofluorescence Staining. <i>Bio-protocol</i> , <b>2017</b> , 7,	0.9	33

83	Canonical Wnt signaling induces BMP-4 to specify slow myofibrogenesis of fetal myoblasts. <i>Skeletal Muscle</i> , <b>2013</b> , 3, 5	5.1	33
82	Notoginsenoside R1 Protects Against Diabetic Cardiomyopathy Through Activating Estrogen Receptor and Its Downstream Signaling. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 1227	5.6	33
81	Harnessing Fiber Diameter-Dependent Effects of Myoblasts Toward Biomimetic Scaffold-Based Skeletal Muscle Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 203	5.8	32
80	Proinflammatory cytokine tumor necrosis factor (TNF)-like weak inducer of apoptosis (TWEAK) suppresses satellite cell self-renewal through inversely modulating Notch and NF- $\kappa$ B signaling pathways. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 35159-69	5.4	32
79	The hypoxia-inducible factors HIF1 $\alpha$ and HIF2 $\alpha$ are dispensable for embryonic muscle development but essential for postnatal muscle regeneration. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 5981-5991	5.4	30
78	Skeletal muscle-derived exosomes regulate endothelial cell functions via reactive oxygen species-activated nuclear factor- $\kappa$ B signalling. <i>Experimental Physiology</i> , <b>2019</b> , 104, 1262-1273	2.4	30
77	Dibenzazepine-Loaded Nanoparticles Induce Local Browning of White Adipose Tissue to Counteract Obesity. <i>Molecular Therapy</i> , <b>2017</b> , 25, 1718-1729	11.7	27
76	Inhibition of polo-like kinase 1 (Plk1) enhances the antineoplastic activity of metformin in prostate cancer. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 2024-33	5.4	27
75	Hypoxia Inhibits Myogenic Differentiation through p53 Protein-dependent Induction of Bhlhe40 Protein. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 29707-16	5.4	26
74	Plk1 phosphorylates Sgt1 at the kinetochores to promote timely kinetochore-microtubule attachment. <i>Molecular and Cellular Biology</i> , <b>2012</b> , 32, 4053-67	4.8	25
73	Reciprocal interaction between TRAF6 and notch signaling regulates adult myofiber regeneration upon injury. <i>Molecular and Cellular Biology</i> , <b>2012</b> , 32, 4833-45	4.8	25
72	Lkb1 deletion promotes ectopic lipid accumulation in muscle progenitor cells and mature muscles. <i>Journal of Cellular Physiology</i> , <b>2015</b> , 230, 1033-41	7	24
71	Integrative biology of an embryonic respiratory behaviour in pond snails: the 'embryo stir-bar hypothesis'. <i>Journal of Experimental Biology</i> , <b>2008</b> , 211, 1729-36	3	24
70	Effects of repeated local heat therapy on skeletal muscle structure and function in humans. <i>Journal of Applied Physiology</i> , <b>2020</b> , 128, 483-492	3.7	23
69	Plk1-dependent microtubule dynamics promotes androgen receptor signaling in prostate cancer. <i>Prostate</i> , <b>2013</b> , 73, 1352-63	4.2	23
68	Mammalian target of rapamycin is essential for cardiomyocyte survival and heart development in mice. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 452, 53-9	3.4	20
67	Coordinated development of identified serotonergic neurons and their target ciliary cells in <i>Helisoma trivolvis</i> embryos. <i>Journal of Comparative Neurology</i> , <b>2003</b> , 457, 313-25	3.4	18
66	Adipocyte dedifferentiation in health and diseases. <i>Clinical Science</i> , <b>2019</b> , 133, 2107-2119	6.5	18

65	Fndc5 loss-of-function attenuates exercise-induced browning of white adipose tissue in mice. <i>FASEB Journal</i> , <b>2019</b> , 33, 5876-5886	0.9	17
64	Imaging of Triglycerides in Tissues Using Nanospray Desorption Electrospray Ionization (Nano-DESI) Mass Spectrometry. <i>International Journal of Mass Spectrometry</i> , <b>2020</b> , 448,	1.9	16
63	Advanced Glycation End-Products Suppress Mitochondrial Function and Proliferative Capacity of Achilles Tendon-Derived Fibroblasts. <i>Scientific Reports</i> , <b>2019</b> , 9, 12614	4.9	15
62	Mouse transgenic lines that selectively label Type I, Type IIA, and Types IIX+B skeletal muscle fibers. <i>Genesis</i> , <b>2012</b> , 50, 50-8	1.9	15
61	Measurement of Resting Energy Metabolism in Mice Using Oxymax Open Circuit Indirect Calorimeter. <i>Bio-protocol</i> , <b>2015</b> , 5,	0.9	15
60	Ascl2 inhibits myogenesis by antagonizing the transcriptional activity of myogenic regulatory factors. <i>Development (Cambridge)</i> , <b>2017</b> , 144, 235-247	6.6	15
59	Imaging and Analysis of Isomeric Unsaturated Lipids through Online Photochemical Derivatization of Carbon-Carbon Double Bonds*. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 7559-7563	16.4	15
58	Polymeric Carriers for Controlled Drug Delivery in Obesity Treatment. <i>Trends in Endocrinology and Metabolism</i> , <b>2019</b> , 30, 974-989	8.8	14
57	Multivesicular body and exosome pathway responses to acute exercise. <i>Experimental Physiology</i> , <b>2020</b> , 105, 511-521	2.4	14
56	Heterogeneous activation of a slow myosin gene in proliferating myoblasts and differentiated single myofibers. <i>Developmental Biology</i> , <b>2015</b> , 402, 72-80	3.1	13
55	High Incomplete Skeletal Muscle Fatty Acid Oxidation Explains Low Muscle Insulin Sensitivity in Poorly Controlled T2D. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2018</b> , 103, 882-889	5.6	13
54	Impact of heat therapy on recovery after eccentric exercise in humans. <i>Journal of Applied Physiology</i> , <b>2019</b> , 126, 965-976	3.7	13
53	Fighting obesity: When muscle meets fat. <i>Adipocyte</i> , <b>2014</b> , 3, 280-9	3.2	12
52	Heat therapy improves soleus muscle force in a model of ischemia-induced muscle damage. <i>Journal of Applied Physiology</i> , <b>2019</b> , 127, 215-228	3.7	11
51	Enhanced Mechanical and Biological Performance of an Extremely Fine Nanograined 316L Stainless Steel Cell-Substrate Interface Fabricated by Ultrasonic Shot Peening. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 1609-1621	5.5	11
50	miR-133 links to energy balance through targeting Prdm16. <i>Journal of Molecular Cell Biology</i> , <b>2013</b> , 5, 432-4	6.3	11
49	Nanosecond pulsed electric field induced proliferation and differentiation of osteoblasts and myoblasts. <i>Journal of the Royal Society Interface</i> , <b>2019</b> , 16, 20190079	4.1	10
48	Adipocyte-specific DKO of Lkb1 and mTOR protects mice against HFD-induced obesity, but results in insulin resistance. <i>Journal of Lipid Research</i> , <b>2018</b> , 59, 974-981	6.3	10

47	Methyltransferase-like 21c methylates and stabilizes the heat shock protein Hspa8 in type I myofibers in mice. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 13718-13728	5.4	10
46	Biomimetic glycosaminoglycan-based scaffolds improve skeletal muscle regeneration in a Murine volumetric muscle loss model. <i>Bioactive Materials</i> , <b>2021</b> , 6, 1201-1213	16.7	10
45	Deletion of Lkb1 in adult mice results in body weight reduction and lethality. <i>Scientific Reports</i> , <b>2016</b> , 6, 36561	4.9	9
44	Identification of genes directly responding to DLK1 signaling in Callipyge sheep. <i>BMC Genomics</i> , <b>2018</b> , 19, 283	4.5	9
43	Peripheral Neuropathy and Hindlimb Paralysis in a Mouse Model of Adipocyte-Specific Knockout of Lkb1. <i>EBioMedicine</i> , <b>2017</b> , 24, 127-136	8.8	8
42	Factors secreted from high glucose treated endothelial cells impair expansion and differentiation of human skeletal muscle satellite cells. <i>Journal of Physiology</i> , <b>2019</b> , 597, 5109-5124	3.9	8
41	The brain expressed x-linked gene 1 (Bex1) regulates myoblast fusion. <i>Developmental Biology</i> , <b>2016</b> , 409, 16-25	3.1	8
40	Enhanced human osteoblast cell functions by Bet-like nanostructured cell-substrate interface in orthopedic applications. <i>Materials Letters</i> , <b>2017</b> , 189, 275-278	3.3	8
39	Biodegradable Polymeric Microsphere-Based Drug Delivery for Inductive Browning of Fat. <i>Frontiers in Endocrinology</i> , <b>2015</b> , 6, 169	5.7	8
38	Park7 expression influences myotube size and myosin expression in muscle. <i>PLoS ONE</i> , <b>2014</b> , 9, e92030	3.7	8
37	A requirement of Polo-like kinase 1 in murine embryonic myogenesis and adult muscle regeneration. <i>ELife</i> , <b>2019</b> , 8,	8.9	8
36	Nanoparticle-Mediated Inhibition of Notch Signaling Promotes Mitochondrial Biogenesis and Reduces Subcutaneous Adipose Tissue Expansion in Pigs. <i>IScience</i> , <b>2020</b> , 23, 101167	6.1	8
35	Identification and evolutionary implications of neurotransmitter-ciliary interactions underlying the behavioral response to hypoxia in <i>Lymnaea stagnalis</i> embryos. <i>Journal of Experimental Biology</i> , <b>2011</b> , 214, 2660-70	3	7
34	Lkb1 deletion upregulates Pax7 expression through activating Notch signaling pathway in myoblasts. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2016</b> , 76, 31-8	5.6	7
33	The development of the serotonergic and dopaminergic systems during chicken mid-late embryogenesis. <i>Molecular and Cellular Endocrinology</i> , <b>2019</b> , 493, 110472	4.4	6
32	Maternal high-fat diet exposure during gestation, lactation, or gestation and lactation differentially affects intestinal morphology and proteome of neonatal mice. <i>Nutrition Research</i> , <b>2019</b> , 66, 48-60	4	6
31	Shisa2 regulates the fusion of muscle progenitors. <i>Stem Cell Research</i> , <b>2018</b> , 31, 31-41	1.6	6
30	Exosomal Secretion of Adipose Tissue during Various Physiological States. <i>Pharmaceutical Research</i> , <b>2020</b> , 37, 221	4.5	6

29	Protein Arginine Methyltransferase PRMT5 Regulates Fatty Acid Metabolism and Lipid Droplet Biogenesis in White Adipose Tissues. <i>Advanced Science</i> , <b>2020</b> , 7, 2002602	13.6	6
28	Methyltransferase-like 21e inhibits 26S proteasome activity to facilitate hypertrophy of type IIb myofibers. <i>FASEB Journal</i> , <b>2019</b> , 33, 9672-9684	0.9	5
27	Peripheral endocannabinoids regulate skeletal muscle development and maintenance. <i>European Journal of Translational Myology</i> , <b>2010</b> , 20, 167	2.1	5
26	Polymeric nanoparticles functionalized with muscle-homing peptides for targeted delivery of phosphatase and tensin homolog inhibitor to skeletal muscle. <i>Acta Biomaterialia</i> , <b>2020</b> , 118, 196-206	10.8	5
25	PTEN Inhibition Ameliorates Muscle Degeneration and Improves Muscle Function in a Mouse Model of Duchenne Muscular Dystrophy. <i>Molecular Therapy</i> , <b>2021</b> , 29, 132-148	11.7	5
24	Long-term culture of decapsulated gastropod embryos: a transplantation study. <i>Biological Bulletin</i> , <b>2002</b> , 203, 278-88	1.5	4
23	Isolation, Culture, and Differentiation of Primary Myoblasts Derived from Muscle Satellite Cells. <i>Bio-protocol</i> , <b>2020</b> , 10, e3686	0.9	4
22	Skeletal muscle IGF-1 is lower at rest and after resistance exercise in humans with obesity. <i>European Journal of Applied Physiology</i> , <b>2020</b> , 120, 2835-2846	3.4	4
21	Transdifferentiation of Muscle Satellite Cells to Adipose Cells Using CRISPR/Cas9-Mediated Targeting of MyoD. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1889, 25-41	1.4	4
20	Harnessing nerve-muscle cell interactions for biomaterials-based skeletal muscle regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2021</b> , 109, 289-299	5.4	4
19	Depot-specific differences in fat mass expansion in WT and ob/ob mice. <i>Oncotarget</i> , <b>2017</b> , 8, 46326-46336	3.5	3
18	Sustained activation of notch signaling maintains tumor-initiating cells in a murine model of liposarcoma. <i>Cancer Letters</i> , <b>2020</b> , 494, 27-39	9.9	3
17	Prenatal Serotonin Fluctuation Affects Serotonergic Development and Related Neural Circuits in Chicken Embryos. <i>Neuroscience</i> , <b>2021</b> , 473, 66-80	3.9	3
16	LETMD1 is required for mitochondrial structure and thermogenic function of brown adipocytes. <i>FASEB Journal</i> , <b>2021</b> , 35, e21965	0.9	2
15	Extracellular vesicles released from stress-induced prematurely senescent myoblasts impair endothelial function and proliferation. <i>Experimental Physiology</i> , <b>2021</b> , 106, 2083-2095	2.4	2
14	Effects of acute aerobic and concurrent exercise on skeletal muscle metabolic enzymes in untrained men. <i>Sport Sciences for Health</i> , <b>2019</b> , 15, 417-426	1.3	1
13	Lipid droplet dynamics regulate adult muscle stem cell fate.. <i>Cell Reports</i> , <b>2022</b> , 38, 110267	10.6	1
12	Microarray, IPA and GSEA Analysis in Mice Models. <i>Bio-protocol</i> , <b>2018</b> , 8,	0.9	1



11	In Vitro Evaluation of Clinical Candidates of $\beta$ -Secretase Inhibitors: Effects on Notch Inhibition and Promoting Beige Adipogenesis and Mitochondrial Biogenesis. <i>Pharmaceutical Research</i> , <b>2020</b> , 37, 185	4.5	1
10	Reduced electron transport chain complex I protein abundance and function in Mfn2-deficient myogenic progenitors lead to oxidative stress and mitochondria swelling. <i>FASEB Journal</i> , <b>2021</b> , 35, e21426	6.9	1
9	Imaging and Analysis of Isomeric Unsaturated Lipids through Online Photochemical Derivatization of Carbon-Carbon Double Bonds**. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 7637-7641	3.6	1
8	ACSS3 in brown fat drives propionate catabolism and its deficiency leads to autophagy and systemic metabolic dysfunction.. <i>Clinical and Translational Medicine</i> , <b>2022</b> , 12, e665	5.7	1
7	Chchd10 is dispensable for myogenesis but critical for adipose browning.. <i>Cell Regeneration</i> , <b>2022</b> , 11, 14	2.5	1
6	Chemically-defined generation of human hemogenic endothelium and definitive hematopoietic progenitor cells.. <i>Biomaterials</i> , <b>2022</b> , 285, 121569	15.6	1
5	One-to-one relationships between milk miRNA content and protein abundance in neonate duodenum support the potential for milk miRNAs regulating neonate development. <i>Functional and Integrative Genomics</i> , <b>2020</b> , 20, 645-656	3.8	0
4	Phosphatase orphan 1 inhibits myoblast proliferation and promotes myogenic differentiation. <i>FASEB Journal</i> , <b>2021</b> , 35, e21154	0.9	0
3	Muscle Stem Cells <b>2010</b> , 105-120		
2	A heterogeneous lineage origin underlies the phenotypic and molecular differences of white and beige adipocytes. <i>Development (Cambridge)</i> , <b>2013</b> , 140, e1807-e1807	6.6	
1	Innentitelbild: Imaging and Analysis of Isomeric Unsaturated Lipids through Online Photochemical Derivatization of Carbon-Carbon Double Bonds (Angew. Chem. 14/2021). <i>Angewandte Chemie</i> , <b>2021</b> , 133, 7526-7526	3.6	