

Hualin Sun

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

952
citations

394421
19
h-index

501196
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41
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41
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41
times ranked

763
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanistic Role of Reactive Oxygen Species and Therapeutic Potential of Antioxidants in Denervation- or Fasting-Induced Skeletal Muscle Atrophy. <i>Frontiers in Physiology</i> , 2018, 9, 215.	2.8	74
2	Microarray Analysis of Gene Expression Provides New Insights Into Denervation-Induced Skeletal Muscle Atrophy. <i>Frontiers in Physiology</i> , 2019, 10, 1298.	2.8	61
3	Inhibition of IL-6/JAK/STAT3 pathway rescues denervation-induced skeletal muscle atrophy. <i>Annals of Translational Medicine</i> , 2020, 8, 1681-1681.	1.7	54
4	TRAF6 Inhibition Rescues Dexamethasone-Induced Muscle Atrophy. <i>International Journal of Molecular Sciences</i> , 2014, 15, 11126-11141.	4.1	45
5	PQQ ameliorates skeletal muscle atrophy, mitophagy and fiber type transition induced by denervation via inhibition of the inflammatory signaling pathways. <i>Annals of Translational Medicine</i> , 2019, 7, 440-440.	1.7	43
6	Isoquercitrin Delays Denervated Soleus Muscle Atrophy by Inhibiting Oxidative Stress and Inflammation. <i>Frontiers in Physiology</i> , 2020, 11, 988.	2.8	42
7	Investigation of differentially expressed proteins in rat gastrocnemius muscle during denervationâ€reinnervation. <i>Journal of Muscle Research and Cell Motility</i> , 2006, 27, 241-250.	2.0	41
8	Skeletal Muscle Atrophy Was Alleviated by Salidroside Through Suppressing Oxidative Stress and Inflammation During Denervation. <i>Frontiers in Pharmacology</i> , 2019, 10, 997.	3.5	40
9	Biogenesis and function of extracellular vesicles in pathophysiological processes of skeletal muscle atrophy. <i>Biochemical Pharmacology</i> , 2022, 198, 114954.	4.4	38
10	Salidroside Attenuates Denervation-Induced Skeletal Muscle Atrophy Through Negative Regulation of Pro-inflammatory Cytokine. <i>Frontiers in Physiology</i> , 2019, 10, 665.	2.8	37
11	Isoquercitrin promotes peripheral nerve regeneration through inhibiting oxidative stress following sciatic crush injury in mice. <i>Annals of Translational Medicine</i> , 2019, 7, 680-680.	1.7	37
12	miR-125b-5p targeting TRAF6 relieves skeletal muscle atrophy induced by fasting or denervation. <i>Annals of Translational Medicine</i> , 2019, 7, 456-456.	1.7	35
13	Amyotrophic Lateral Sclerosis: Molecular Mechanisms, Biomarkers, and Therapeutic Strategies. <i>Antioxidants</i> , 2021, 10, 1012.	5.1	34
14	MicroRNA-351 inhibits denervation-induced muscle atrophy by targeting TRAF6. <i>Experimental and Therapeutic Medicine</i> , 2016, 12, 4029-4034.	1.8	31
15	iTRAQ-coupled 2D LCâ€MS/MS analysis on differentially expressed proteins in denervated tibialis anterior muscle of <i>Rattus norvegicus</i> . <i>Molecular and Cellular Biochemistry</i> , 2012, 364, 193-207.	3.1	30
16	Proteomic and bioinformatic analysis of differentially expressed proteins in denervated skeletal muscle. <i>International Journal of Molecular Medicine</i> , 2014, 33, 1586-1596.	4.0	29
17	Diabetic Muscular Atrophy: Molecular Mechanisms and Promising Therapies. <i>Frontiers in Endocrinology</i> , 0, 13, .	3.5	26
18	Pyrrroloquinoline quinone attenuates cachexia-induced muscle atrophy via suppression of reactive oxygen species. <i>Journal of Thoracic Disease</i> , 2018, 10, 2752-2759.	1.4	23

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19	Aspirin alleviates denervation-induced muscle atrophy via regulating the Sirt1/PGC-1 α axis and STAT3 signaling. <i>Annals of Translational Medicine</i> , 2020, 8, 1524-1524.	1.7	23
20	Proteomic studies of rat tibialis anterior muscle during postnatal growth and development. <i>Molecular and Cellular Biochemistry</i> , 2009, 332, 161-171.	3.1	21
21	The role of inflammatory factors in skeletal muscle injury. <i>Biotarget</i> , 0, 2, 7-7.	0.5	20
22	Basic Fibroblast Growth Factor (bFGF) Facilitates Differentiation of Adult Dorsal Root Ganglia-Derived Neural Stem Cells Toward Schwann Cells by Binding to FGFR-1 Through MAPK/ERK Activation. <i>Journal of Molecular Neuroscience</i> , 2014, 52, 538-551.	2.3	19
23	HDAC4 Knockdown Alleviates Denervation-Induced Muscle Atrophy by Inhibiting Myogenin-Dependent Atrogene Activation. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 663384.	3.7	18
24	SKP-SC-EVs Mitigate Denervated Muscle Atrophy by Inhibiting Oxidative Stress and Inflammation and Improving Microcirculation. <i>Antioxidants</i> , 2022, 11, 66.	5.1	18
25	RNA sequencing (RNA-seq) analysis of gene expression provides new insights into hindlimb unloading-induced skeletal muscle atrophy. <i>Annals of Translational Medicine</i> , 2020, 8, 1595-1595.	1.7	16
26	Achyranthes bidentata polypeptide k suppresses neuroinflammation in BV2 microglia through Nrf2-dependent mechanism. <i>Annals of Translational Medicine</i> , 2019, 7, 575-575.	1.7	15
27	Alternative splicing transitions associate with emerging atrophy phenotype during denervation-induced skeletal muscle atrophy. <i>Journal of Cellular Physiology</i> , 2021, 236, 4496-4514.	4.1	11
28	Transcriptome Analysis of Immune Receptor Activation and Energy Metabolism Reduction as the Underlying Mechanisms in Interleukin-6-Induced Skeletal Muscle Atrophy. <i>Frontiers in Immunology</i> , 2021, 12, 730070.	4.8	11
29	MicroRNA351 targeting TRAF6 alleviates dexamethasone-induced myotube atrophy. <i>Journal of Thoracic Disease</i> , 2018, 10, 6238-6246.	1.4	10
30	Identification of Regulatory Factors and Prognostic Markers in Amyotrophic Lateral Sclerosis. <i>Antioxidants</i> , 2022, 11, 303.	5.1	10
31	Changes of Gene Expression Patterns of Muscle Pathophysiology-Related Transcription Factors During Denervated Muscle Atrophy. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	9
32	Strategies and potential therapeutic agents to counter skeletal muscle atrophy. <i>Biotarget</i> , 0, 2, 8-8.	0.5	8
33	Global alternative splicing landscape of skeletal muscle atrophy induced by hindlimb unloading. <i>Annals of Translational Medicine</i> , 2021, 9, 643-643.	1.7	6
34	Genetic changes in rat proximal nerve stumps after sciatic nerve transection. <i>Annals of Translational Medicine</i> , 2019, 7, 763-763.	1.7	5
35	Effect of mammalian target of rapamycin signaling pathway on nerve regeneration. <i>Biotarget</i> , 0, 2, 18-18.	0.5	3
36	An analysis of lncRNA-miRNA-mRNA networks to investigate the effects of HDAC4 inhibition on skeletal muscle atrophy caused by peripheral nerve injury. <i>Annals of Translational Medicine</i> , 2022, 10, 516-516.	1.7	3

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37	Protein expression profile in the differentiation of rat bone marrow stromal cells into Schwann cell-like cells. Science in China Series C: Life Sciences, 2009, 52, 267-277.	1.3	2
38	Transcriptome sequencing and analysis reveals the molecular mechanism of skeletal muscle atrophy induced by denervation. Annals of Translational Medicine, 2021, 9, 697-697.	1.7	2
39	The application of genome editing technology. Biotarget, 0, 3, 15-15.	0.5	1