Xiaonan H Wang

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Activation of caspase-3 is an initial step triggering accelerated muscle proteolysis in catabolic conditions. Journal of Clinical Investigation, 2004, 113, 115-123.	3.9	615
2	Insulin Resistance Accelerates Muscle Protein Degradation: Activation of the Ubiquitin-Proteasome Pathway by Defects in Muscle Cell Signaling. Endocrinology, 2006, 147, 4160-4168.	1.4	481
3	Mechanisms of muscle wasting in chronic kidney disease. Nature Reviews Nephrology, 2014, 10, 504-516.	4.1	444
4	Regulation of Muscle Protein Degradation: Coordinated Control of Apoptotic and Ubiquitin-Proteasome Systems by Phosphatidylinositol 3 Kinase. Journal of the American Society of Nephrology: JASN, 2004, 15, 1537-1545.	3.0	301
5	Pharmacological inhibition of myostatin suppresses systemic inflammation and muscle atrophy in mice with chronic kidney disease. FASEB Journal, 2011, 25, 1653-1663.	0.2	255
6	Interleukin-6/Signal Transducer and Activator of Transcription 3 (STAT3) Pathway Is Essential for Macrophage Infiltration and Myoblast Proliferation during Muscle Regeneration. Journal of Biological Chemistry, 2013, 288, 1489-1499.	1.6	224
7	Evaluation of signals activating ubiquitin-proteasome proteolysis in a model of muscle wasting. American Journal of Physiology - Cell Physiology, 1999, 276, C1132-C1138.	2.1	211
8	Transcription factor FoxO1, the dominant mediator of muscle wasting in chronic kidney disease, is inhibited by microRNA-486. Kidney International, 2012, 82, 401-411.	2.6	175
9	Satellite Cell Dysfunction and Impaired IGF-1 Signaling Cause CKD-Induced Muscle Atrophy. Journal of the American Society of Nephrology: JASN, 2010, 21, 419-427.	3.0	170
10	Exosome-Mediated miR-29 Transfer Reduces Muscle Atrophy and Kidney Fibrosis in Mice. Molecular Therapy, 2019, 27, 571-583.	3.7	130
11	MicroRNA in myogenesis and muscle atrophy. Current Opinion in Clinical Nutrition and Metabolic Care, 2013, 16, 258-266.	1.3	125
12	Desiccation Tolerance Mechanism in Resurrection Fern-Ally <i>Selaginella tamariscina</i> Revealed by Physiological and Proteomic Analysis. Journal of Proteome Research, 2010, 9, 6561-6577.	1.8	116
13	PTEN Inhibition Improves Muscle Regeneration in Mice Fed a High-Fat Diet. Diabetes, 2010, 59, 1312-1320.	0.3	113
14	MicroRNA-29 induces cellular senescence in aging muscle through multiple signaling pathways. Aging, 2014, 6, 160-175.	1.4	111
15	<i>miR-26a</i> Limits Muscle Wasting and Cardiac Fibrosis through Exosome-Mediated microRNA Transfer in Chronic Kidney Disease. Theranostics, 2019, 9, 1864-1877.	4.6	108
16	miRNAâ€23a/27a attenuates muscle atrophy and renal fibrosis through muscleâ€kidney crosstalk. Journal of Cachexia, Sarcopenia and Muscle, 2018, 9, 755-770.	2.9	103
17	Exercise ameliorates chronic kidney diseaseâ€“induced defects in muscle protein metabolism and progenitor cell function. Kidney International, 2009, 76, 751-759.	2.6	102
18	CD8 T Cells Are Involved in Skeletal Muscle Regeneration through Facilitating MCP-1 Secretion and Gr1high Macrophage Infiltration. Journal of Immunology, 2014, 193, 5149-5160.	0.4	101

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19	Evidence for Adipose-Muscle Cross Talk: Opposing Regulation of Muscle Proteolysis by Adiponectin and Fatty Acids. Endocrinology, 2007, 148, 5696-5705.	1.4	95
20	Decreased miR-29 Suppresses Myogenesis in CKD. Journal of the American Society of Nephrology: JASN, 2011, 22, 2068-2076.	3.0	94
21	MicroRNA-23a and MicroRNA-27a Mimic Exercise by Ameliorating CKD-Induced Muscle Atrophy. Journal of the American Society of Nephrology: JASN, 2017, 28, 2631-2640.	3.0	85
22	Matrix Gla Protein Metabolism in Vascular Smooth Muscle and Role in Uremic Vascular Calcification. Journal of Biological Chemistry, 2011, 286, 28715-28722.	1.6	73
23	Short-term PM10 and emergency department admissions for selective cardiovascular and respiratory diseases in Beijing, China. Science of the Total Environment, 2019, 657, 213-221.	3.9	69
24	Caspase-3 Cleaves Specific 19 S Proteasome Subunits in Skeletal Muscle Stimulating Proteasome Activity. Journal of Biological Chemistry, 2010, 285, 21249-21257.	1.6	68
25	Low-Frequency Electrical Stimulation Attenuates Muscle Atrophy in CKDâ€"A Potential Treatment Strategy. Journal of the American Society of Nephrology: JASN, 2015, 26, 626-635.	3.0	68
26	Chronic kidney disease induces autophagy leading to dysfunction of mitochondria in skeletal muscle. American Journal of Physiology - Renal Physiology, 2017, 312, F1128-F1140.	1.3	64
27	Muscle wasting from kidney failureâ€"A model for catabolic conditions. International Journal of Biochemistry and Cell Biology, 2013, 45, 2230-2238.	1.2	63
28	Aging increases CCN1 expression leading to muscle senescence. American Journal of Physiology - Cell Physiology, 2014, 306, C28-C36.	2.1	63
29	Pathophysiological mechanisms leading to muscle loss in chronic kidney disease. Nature Reviews Nephrology, 2022, 18, 138-152.	4.1	56
30	PTEN Expression Contributes to the Regulation of Muscle Protein Degradation in Diabetes. Diabetes, 2007, 56, 2449-2456.	0.3	52
31	Macrophage-Derived Exosomal Mir-155ÂRegulating Cardiomyocyte Pyroptosis and Hypertrophy in UremicÂCardiomyopathy. JACC Basic To Translational Science, 2020, 5, 148-166.	1.9	49
32	Exogenous miRâ€26a suppresses muscle wasting and renal fibrosis in obstructive kidney disease. FASEB Journal, 2019, 33, 13590-13601.	0.2	48
33	Overexpression of the wheat trehalose 6-phosphate synthase 11 gene enhances cold tolerance in Arabidopsis thaliana. Gene, 2019, 710, 210-217.	1.0	48
34	Acupuncture plus Low-Frequency Electrical Stimulation (Acu-LFES) Attenuates Diabetic Myopathy by Enhancing Muscle Regeneration. PLoS ONE, 2015, 10, e0134511.	1.1	41
35	Acupuncture plus low-frequency electrical stimulation (Acu-LFES) attenuates denervation-induced muscle atrophy. Journal of Applied Physiology, 2016, 120, 426-436.	1.2	39
36	Phagocytosis mediated by scavenger receptor class BI promotes macrophage transition during skeletal muscle regeneration. Journal of Biological Chemistry, 2019, 294, 15672-15685.	1.6	38

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37	Cardiac Muscle Protein Catabolism in Diabetes Mellitus: Activation of the Ubiquitin-Proteasome System by Insulin Deficiency. Endocrinology, 2008, 149, 5384-5390.	1.4	35
38	Interactions between p-Akt and Smad3 in injured muscles initiate myogenesis or fibrogenesis. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E367-E375.	1.8	35
39	MicroRNA-223-3p promotes skeletal muscle regeneration by regulating inflammation in mice. Journal of Biological Chemistry, 2020, 295, 10212-10223.	1.6	35
40	Changes in Incidence and Epidemiological Characteristics of Pulmonary Tuberculosis in Mainland China, 2005-2016. JAMA Network Open, 2021, 4, e215302.	2.8	33
41	Phosphatidylinositol 3-Kinase Activity Is Required for Epidermal Growth Factor to Suppress Proteolysis. Journal of the American Society of Nephrology: JASN, 2002, 13, 903-909.	3.0	32
42	XIAP Reduces Muscle Proteolysis Induced by CKD. Journal of the American Society of Nephrology: JASN, 2010, 21, 1174-1183.	3.0	31
43	The spatio-temporal analysis of the incidence of tuberculosis and the associated factors in mainland China, 2009-2015. Infection, Genetics and Evolution, 2019, 75, 103949.	1.0	29
44	Wetting Process and Adsorption Mechanism of Surfactant Solutions on Coal Dust Surface. Journal of Chemistry, 2019, 2019, 1-9.	0.9	27
45	Exogenous miR-29a Attenuates Muscle Atrophy and Kidney Fibrosis in Unilateral Ureteral Obstruction Mice. Human Gene Therapy, 2020, 31, 367-375.	1.4	24
46	Claudin-7 indirectly regulates the integrin/FAK signaling pathway in human colon cancer tissue. Journal of Human Genetics, 2016, 61, 711-720.	1.1	23
47	MicroRNA-223-3p inhibits vascular calcification and the osteogenic switch of vascular smooth muscle cells. Journal of Biological Chemistry, 2021, 296, 100483.	1.6	23
48	Spatial-temporal analysis of tuberculosis in the geriatric population of China: An analysis based on the Bayesian conditional autoregressive model. Archives of Gerontology and Geriatrics, 2019, 83, 328-337.	1.4	20
49	Electrically stimulated acupuncture increases renal blood flow through exosome-carried miR-181. American Journal of Physiology - Renal Physiology, 2018, 315, F1542-F1549.	1.3	18
50	The epidemiology of pulmonary tuberculosis in children in Mainland China, 2009â€“2015. Archives of Disease in Childhood, 2020, 105, 319-325.	1.0	14
51	Disability Transitions and Health Expectancies among Elderly People Aged 65 Years and Over in China: A Nationwide Longitudinal Study. , 2019, 10, 1246.		13
52	IgG Glycosylation Profile and the Glycan Score Are Associated with Type 2 Diabetes in Independent Chinese Populations: A Case-Control Study. Journal of Diabetes Research, 2020, 2020, 1-8.	1.0	13
53	Association between temperature and COVID-19 transmission in 153 countries. Environmental Science and Pollution Research, 2022, 29, 16017-16027.	2.7	13
54	Protein abundance of urea transporters and aquaporin 2 change differently in nephrotic pair-fed vs. non-pair-fed rats. American Journal of Physiology - Renal Physiology, 2012, 302, F1545-F1553.	1.3	12

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55	Variation of <scp>IgG N</scp>â€linked glycosylation profile in diabetic retinopathy. Journal of Diabetes, 2021, 13, 672-680.	0.8	12
56	Differential regulation of branched-chain Î±-ketoacid dehydrogenase kinase expression by glucocorticoids and acidification in LLC-PK1-GR101 cells. American Journal of Physiology - Renal Physiology, 2004, 286, F504-F508.	1.3	11
57	Prevalence of somatic-mental multimorbidity and its prospective association with disability among older adults in China. Aging, 2020, 12, 7218-7231.	1.4	11
58	Diaphragmatic dysfunction associates with dyspnoea, fatigue, and hiccup in haemodialysis patients: a cross-sectional study. Scientific Reports, 2019, 9, 19382.	1.6	10
59	Aldosterone modulates thiazide-sensitive sodium chloride cotransporter abundance via DUSP6-mediated ERK1/2 signaling pathway. American Journal of Physiology - Renal Physiology, 2015, 308, F1119-F1127.	1.3	9
60	The Effect of the COVID-19 Vaccine on Daily Cases and Deaths Based on Global Vaccine Data. Vaccines, 2021, 9, 1328.	2.1	9
61	Expression and Clinical Significance of Claudin-7 in Patients With Colorectal Cancer. Technology in Cancer Research and Treatment, 2018, 17, 153303381881777.	0.8	8
62	Prospective Study of Glycated Hemoglobin and Trajectories of Depressive Symptoms: The China Health and Retirement Longitudinal Study. , 2019, 10, 249.		8
63	Inhibition of urea transporter ameliorates uremic cardiomyopathy in chronic kidney disease. FASEB Journal, 2020, 34, 8296-8309.	0.2	8
64	Association of IgG Glycosylation and Esophageal Precancerosis Beyond Inflammation. Cancer Prevention Research, 2021, 14, 347-354.	0.7	6
65	Physicochemical properties, antioxidant activities and <i>in vitro</i> sustained release behaviour of coâ€encapsulated liposomes as vehicle for vitamin <scp>E</scp> and Î²â€carotene. Journal of the Science of Food and Agriculture, 2022, 102, 5759-5767.	1.7	6
66	The performance of three nutritional tools varied in colorectal cancer patients: a retrospective analysis. Journal of Clinical Epidemiology, 2022, 149, 12-22.	2.4	6
67	Urea Transporter B and MicroRNA-200c Differ in Kidney Outer Versus Inner Medulla Following Dehydration. American Journal of the Medical Sciences, 2016, 352, 296-301.	0.4	5
68	Downregulation of let-7 by Electrical Acupuncture Increases Protein Synthesis in Mice. Frontiers in Physiology, 2021, 12, 697139.	1.3	5
69	Acute effect of particulate matter pollution on hospital admissions for cause-specific respiratory diseases among patients with and without type 2 diabetes in Beijing, China, from 2014 to 2020. Ecotoxicology and Environmental Safety, 2021, 226, 112794.	2.9	5
70	Interaction of calf thymus DNA and glucose-based gemini cationic surfactants with different spacer length: A spectroscopy and DLS study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 267, 120606.	2.0	5
71	Evaluation of the Accuracy of Cognitive Screening Tests in Detecting Dementia Associated with Alzheimerâ€™s Disease: A Hierarchical Bayesian Latent Class Meta-Analysis. Journal of Alzheimer's Disease, 2022, 87, 285-304.	1.2	5
72	Spatial-temporal analysis of cause-specific cardiovascular hospital admission in Beijing, China. International Journal of Environmental Health Research, 2019, 31, 1-12.	1.3	4

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73	Acute effect of air pollutantsâ€™ peak-hour concentrations on ischemic stroke hospital admissions among hypertension patients in Beijing, China, from 2014 to 2018. Environmental Science and Pollution Research, 2022, 29, 41617-41627.	2.7	4
74	Associations between ambient air pollution, meteorology, and daily hospital admissions for ischemic stroke: a time-stratified case-crossover study in Beijing. Environmental Science and Pollution Research, 2022, 29, 53704-53717.	2.7	4
75	14-3-3Î³, a novel regulator of the large-conductance Ca²⁺-activated K⁺ channel. American Journal of Physiology - Renal Physiology, 2020, 319, F52-F62.	1.3	3
76	Stimulatory Role of SPAK Signaling in the Regulation of Large Conductance Ca2+-Activated Potassium (BK) Channel Protein Expression in Kidney. Frontiers in Physiology, 2020, 11, 638.	1.3	3
77	Nomograms for Predicting Medical Students' Perceptions of the Learning Environment: Multicenter Evidence From Medical Schools in China. Frontiers in Public Health, 2022, 10, 825279.	1.3	3
78	UT-A1/A3 knockout mice show reduced fibrosis following unilateral ureteral obstruction. American Journal of Physiology - Renal Physiology, 2020, 318, F1160-F1166.	1.3	2
79	Going micro in CKD-related cachexia. Nephrology Dialysis Transplantation, 2020, 35, 1462-1464.	0.4	1
80	Inner Medullary Urea Transporters Contribute to Development of Renal Fibrosis in Mice With Unilateral Ureteral Obstruction. FASEB Journal, 2019, 33, 575.9.	0.2	0
81	Electricallyâ€stimulated acupuncture improves muscle function and increases renal blood flow through exosomesâ€carried miRâ€181. FASEB Journal, 2019, 33, 701.4.	0.2	0