

Xiaonan H Wang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

4,133
citations

30
h-index

64
g-index

83
ext. papers

4,884
ext. citations

5.8
avg. IF

5.55
L-index

#	Paper	IF	Citations
76	Activation of caspase-3 is an initial step triggering accelerated muscle proteolysis in catabolic conditions. <i>Journal of Clinical Investigation</i> , 2004 , 113, 115-23	15.9	516
75	Insulin resistance accelerates muscle protein degradation: Activation of the ubiquitin-proteasome pathway by defects in muscle cell signaling. <i>Endocrinology</i> , 2006 , 147, 4160-8	4.8	411
74	Mechanisms of muscle wasting in chronic kidney disease. <i>Nature Reviews Nephrology</i> , 2014 , 10, 504-16	14.9	312
73	Regulation of muscle protein degradation: coordinated control of apoptotic and ubiquitin-proteasome systems by phosphatidylinositol 3 kinase. <i>Journal of the American Society of Nephrology: JASN</i> , 2004 , 15, 1537-45	12.7	272
72	Pharmacological inhibition of myostatin suppresses systemic inflammation and muscle atrophy in mice with chronic kidney disease. <i>FASEB Journal</i> , 2011 , 25, 1653-63	0.9	200
71	Evaluation of signals activating ubiquitin-proteasome proteolysis in a model of muscle wasting. <i>American Journal of Physiology - Cell Physiology</i> , 1999 , 276, C1132-8	5.4	189
70	Interleukin-6/signal transducer and activator of transcription 3 (STAT3) pathway is essential for macrophage infiltration and myoblast proliferation during muscle regeneration. <i>Journal of Biological Chemistry</i> , 2013 , 288, 1489-99	5.4	182
69	Transcription factor FoxO1, the dominant mediator of muscle wasting in chronic kidney disease, is inhibited by microRNA-486. <i>Kidney International</i> , 2012 , 82, 401-11	9.9	135
68	Satellite cell dysfunction and impaired IGF-1 signaling cause CKD-induced muscle atrophy. <i>Journal of the American Society of Nephrology: JASN</i> , 2010 , 21, 419-27	12.7	127
67	MicroRNA in myogenesis and muscle atrophy. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2013 , 16, 258-66	3.8	97
66	Desiccation tolerance mechanism in resurrection fern-ally <i>Selaginella tamariscina</i> revealed by physiological and proteomic analysis. <i>Journal of Proteome Research</i> , 2010 , 9, 6561-77	5.6	91
65	PTEN inhibition improves muscle regeneration in mice fed a high-fat diet. <i>Diabetes</i> , 2010 , 59, 1312-20	0.9	90
64	MicroRNA-29 induces cellular senescence in aging muscle through multiple signaling pathways. <i>Aging</i> , 2014 , 6, 160-75	5.6	86
63	Exercise ameliorates chronic kidney disease-induced defects in muscle protein metabolism and progenitor cell function. <i>Kidney International</i> , 2009 , 76, 751-9	9.9	80
62	Evidence for adipose-muscle cross talk: opposing regulation of muscle proteolysis by adiponectin and Fatty acids. <i>Endocrinology</i> , 2007 , 148, 5696-705	4.8	80
61	Decreased miR-29 suppresses myogenesis in CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2011 , 22, 2068-76	12.7	76
60	CD8 T cells are involved in skeletal muscle regeneration through facilitating MCP-1 secretion and Gr1(high) macrophage infiltration. <i>Journal of Immunology</i> , 2014 , 193, 5149-60	5.3	69

59	Exosome-Mediated miR-29 Transfer Reduces Muscle Atrophy and Kidney Fibrosis in Mice. <i>Molecular Therapy</i> , 2019 , 27, 571-583	11.7	68
58	miRNA-23a/27a attenuates muscle atrophy and renal fibrosis through muscle-kidney crosstalk. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2018 , 9, 755-770	10.3	66
57	Matrix Gla protein metabolism in vascular smooth muscle and role in uremic vascular calcification. <i>Journal of Biological Chemistry</i> , 2011 , 286, 28715-28722	5.4	63
56	Limits Muscle Wasting and Cardiac Fibrosis through Exosome-Mediated microRNA Transfer in Chronic Kidney Disease. <i>Theranostics</i> , 2019 , 9, 1864-1877	12.1	60
55	Caspase-3 cleaves specific 19 S proteasome subunits in skeletal muscle stimulating proteasome activity. <i>Journal of Biological Chemistry</i> , 2010 , 285, 21249-57	5.4	60
54	MicroRNA-23a and MicroRNA-27a Mimic Exercise by Ameliorating CKD-Induced Muscle Atrophy. <i>Journal of the American Society of Nephrology: JASN</i> , 2017 , 28, 2631-2640	12.7	59
53	Chronic kidney disease induces autophagy leading to dysfunction of mitochondria in skeletal muscle. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 312, F1128-F1140	4.3	54
52	Aging increases CCN1 expression leading to muscle senescence. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 306, C28-36	5.4	54
51	Muscle wasting from kidney failure-a model for catabolic conditions. <i>International Journal of Biochemistry and Cell Biology</i> , 2013 , 45, 2230-8	5.6	53
50	Short-term PM and emergency department admissions for selective cardiovascular and respiratory diseases in Beijing, China. <i>Science of the Total Environment</i> , 2019 , 657, 213-221	10.2	53
49	Low-frequency electrical stimulation attenuates muscle atrophy in CKD--a potential treatment strategy. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 626-35	12.7	49
48	PTEN expression contributes to the regulation of muscle protein degradation in diabetes. <i>Diabetes</i> , 2007 , 56, 2449-56	0.9	45
47	Cardiac muscle protein catabolism in diabetes mellitus: activation of the ubiquitin-proteasome system by insulin deficiency. <i>Endocrinology</i> , 2008 , 149, 5384-90	4.8	31
46	Acupuncture plus low-frequency electrical stimulation (Acu-LFES) attenuates denervation-induced muscle atrophy. <i>Journal of Applied Physiology</i> , 2016 , 120, 426-36	3.7	30
45	Acupuncture plus Low-Frequency Electrical Stimulation (Acu-LFES) Attenuates Diabetic Myopathy by Enhancing Muscle Regeneration. <i>PLoS ONE</i> , 2015 , 10, e0134511	3.7	30
44	Phosphatidylinositol 3-kinase activity is required for epidermal growth factor to suppress proteolysis. <i>Journal of the American Society of Nephrology: JASN</i> , 2002 , 13, 903-909	12.7	30
43	Interactions between p-Akt and Smad3 in injured muscles initiate myogenesis or fibrogenesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 305, E367-75	6	29
42	Overexpression of the wheat trehalose 6-phosphate synthase 11 gene enhances cold tolerance in <i>Arabidopsis thaliana</i> . <i>Gene</i> , 2019 , 710, 210-217	3.8	26

41	Exogenous miR-26a suppresses muscle wasting and renal fibrosis in obstructive kidney disease. <i>FASEB Journal</i> , 2019 , 33, 13590-13601	0.9	23
40	XIAP reduces muscle proteolysis induced by CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2010 , 21, 1174-83	12.7	22
39	Claudin-7 indirectly regulates the integrin/FAK signaling pathway in human colon cancer tissue. <i>Journal of Human Genetics</i> , 2016 , 61, 711-20	4.3	19
38	Macrophage-Derived Exosomal Mir-155 Regulating Cardiomyocyte Pyroptosis and Hypertrophy in Uremic Cardiomyopathy. <i>JACC Basic To Translational Science</i> , 2020 , 5, 148-166	8.7	18
37	MicroRNA-223-3p promotes skeletal muscle regeneration by regulating inflammation in mice. <i>Journal of Biological Chemistry</i> , 2020 , 295, 10212-10223	5.4	17
36	Phagocytosis mediated by scavenger receptor class BI promotes macrophage transition during skeletal muscle regeneration. <i>Journal of Biological Chemistry</i> , 2019 , 294, 15672-15685	5.4	16
35	The spatio-temporal analysis of the incidence of tuberculosis and the associated factors in mainland China, 2009-2015. <i>Infection, Genetics and Evolution</i> , 2019 , 75, 103949	4.5	11
34	Wetting Process and Adsorption Mechanism of Surfactant Solutions on Coal Dust Surface. <i>Journal of Chemistry</i> , 2019 , 2019, 1-9	2.3	11
33	Changes in Incidence and Epidemiological Characteristics of Pulmonary Tuberculosis in Mainland China, 2005-2016. <i>JAMA Network Open</i> , 2021 , 4, e215302	10.4	11
32	Protein abundance of urea transporters and aquaporin 2 change differently in nephrotic pair-fed vs. non-pair-fed rats. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 302, F1545-53	4.3	10
31	Exogenous miR-29a Attenuates Muscle Atrophy and Kidney Fibrosis in Unilateral Ureteral Obstruction Mice. <i>Human Gene Therapy</i> , 2020 , 31, 367-375	4.8	9
30	Electrically stimulated acupuncture increases renal blood flow through exosome-carried miR-181. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, F1542-F1549	4.3	9
29	Aldosterone modulates thiazide-sensitive sodium chloride cotransporter abundance via DUSP6-mediated ERK1/2 signaling pathway. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 308, F1119-27	4.3	8
28	Spatial-temporal analysis of tuberculosis in the geriatric population of China: An analysis based on the Bayesian conditional autoregressive model. <i>Archives of Gerontology and Geriatrics</i> , 2019 , 83, 328-337 ⁴		7
27	The epidemiology of pulmonary tuberculosis in children in Mainland China, 2009-2015. <i>Archives of Disease in Childhood</i> , 2020 , 105, 319-325	2.2	7
26	Differential regulation of branched-chain alpha-ketoacid dehydrogenase kinase expression by glucocorticoids and acidification in LLC-PK1-GR101 cells. <i>American Journal of Physiology - Renal Physiology</i> , 2004 , 286, F504-8	4.3	6
25	MicroRNA-223-3p inhibits vascular calcification and the osteogenic switch of vascular smooth muscle cells. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100483	5.4	6
24	Prospective Study of Glycated Hemoglobin and Trajectories of Depressive Symptoms: The China Health and Retirement Longitudinal Study 2019 , 10, 249-257		5

23	IgG Glycosylation Profile and the Glycan Score Are Associated with Type 2 Diabetes in Independent Chinese Populations: A Case-Control Study. <i>Journal of Diabetes Research</i> , 2020 , 2020, 5041346	3.9	5
22	Pathophysiological mechanisms leading to muscle loss in chronic kidney disease. <i>Nature Reviews Nephrology</i> , 2021 ,	14.9	5
21	Urea Transporter B and MicroRNA-200c Differ in Kidney Outer Versus Inner Medulla Following Dehydration. <i>American Journal of the Medical Sciences</i> , 2016 , 352, 296-301	2.2	5
20	Disability Transitions and Health Expectancies among Elderly People Aged 65 Years and Over in China: A Nationwide Longitudinal Study 2019 , 10, 1246-1257		5
19	Expression and Clinical Significance of Claudin-7 in Patients With Colorectal Cancer. <i>Technology in Cancer Research and Treatment</i> , 2018 , 17, 153303381881777	2.7	4
18	Spatial-temporal analysis of cause-specific cardiovascular hospital admission in Beijing, China. <i>International Journal of Environmental Health Research</i> , 2021 , 31, 595-606	3.6	3
17	Variation of IgG N-linked glycosylation profile in diabetic retinopathy. <i>Journal of Diabetes</i> , 2021 , 13, 672-680	5.80	3
16	Inhibition of urea transporter ameliorates uremic cardiomyopathy in chronic kidney disease. <i>FASEB Journal</i> , 2020 , 34, 8296-8309	0.9	2
15	Prevalence of somatic-mental multimorbidity and its prospective association with disability among older adults in China. <i>Aging</i> , 2020 , 12, 7218-7231	5.6	2
14	Diaphragmatic dysfunction associates with dyspnoea, fatigue, and hiccup in haemodialysis patients: a cross-sectional study. <i>Scientific Reports</i> , 2019 , 9, 19382	4.9	2
13	14-3-3 α novel regulator of the large-conductance Ca-activated K channel. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 319, F52-F62	4.3	1
12	Stimulatory Role of SPAK Signaling in the Regulation of Large Conductance Ca-Activated Potassium (BK) Channel Protein Expression in Kidney. <i>Frontiers in Physiology</i> , 2020 , 11, 638	4.6	1
11	Acute effect of air pollutants\peak-hour concentrations on ischemic stroke hospital admissions among hypertension patients in Beijing, China, from 2014 to 2018.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
10	Association of IgG Glycosylation and Esophageal Precancerosis Beyond Inflammation. <i>Cancer Prevention Research</i> , 2021 , 14, 347-354	3.2	1
9	Downregulation of let-7 by Electrical Acupuncture Increases Protein Synthesis in Mice. <i>Frontiers in Physiology</i> , 2021 , 12, 697139	4.6	1
8	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. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 226, 112794	7	1
7	UT-A1/A3 knockout mice show reduced fibrosis following unilateral ureteral obstruction. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 318, F1160-F1166	4.3	0
6	Interaction of calf thymus DNA and glucose-based gemini cationic surfactants with different spacer length: A spectroscopy and DLS study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 267, 120606	4.4	0

5	Association between temperature and COVID-19 transmission in 153 countries. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
4	Associations between ambient air pollution, meteorology, and daily hospital admissions for ischemic stroke: a time-stratified case-crossover study in Beijing.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
3	Inner Medullary Urea Transporters Contribute to Development of Renal Fibrosis in Mice With Unilateral Ureteral Obstruction. <i>FASEB Journal</i> , 2019 , 33, 575.9	0.9	
2	Electrically-stimulated acupuncture improves muscle function and increases renal blood flow through exosomes-carried miR-181. <i>FASEB Journal</i> , 2019 , 33, 701.4	0.9	
1	Nomograms for Predicting Medical Students' Perceptions of the Learning Environment: Multicenter Evidence From Medical Schools in China.. <i>Frontiers in Public Health</i> , 2022 , 10, 825279	6	