

Xiaodong Sun

List of Publications by Citations

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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.

64
papers

1,260
citations

22
h-index

34
g-index

73
ext. papers

1,630
ext. citations

5.1
avg, IF

4.62
L-index

#	Paper	IF	Citations
64	Identification of a blue photoluminescent composite material from a combinatorial library. <i>Science</i> , 1998 , 279, 1712-4	33.3	254
63	Irisin improves endothelial function in obese mice through the AMPK-eNOS pathway. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H1501-8	5.2	72
62	Empagliflozin Ameliorates Obesity-Related Cardiac Dysfunction by Regulating Sestrin2-Mediated AMPK-mTOR Signaling and Redox Homeostasis in High-Fat Diet-Induced Obese Mice. <i>Diabetes</i> , 2020 , 69, 1292-1305	0.9	46
61	The relationship between circulating irisin levels and endothelial function in lean and obese subjects. <i>Clinical Endocrinology</i> , 2015 , 83, 339-43	3.4	44
60	Exendin-4 directly improves endothelial dysfunction in isolated aortas from obese rats through the cAMP or AMPK-eNOS pathways. <i>Diabetes Research and Clinical Practice</i> , 2012 , 97, 453-60	7.4	41
59	SIRT1 agonism modulates cardiac NLRP3 inflammasome through pyruvate dehydrogenase during ischemia and reperfusion. <i>Redox Biology</i> , 2020 , 34, 101538	11.3	38
58	Mechanism of inhibition of retromer transport by the bacterial effector RidL. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E1446-E1454	11.5	37
57	AMPK: a therapeutic target of heart failure-not only metabolism regulation. <i>Bioscience Reports</i> , 2019 , 39,	4.1	36
56	High free fatty acids level related with cardiac dysfunction in obese rats. <i>Diabetes Research and Clinical Practice</i> , 2012 , 95, 251-9	7.4	34
55	Irisin improves perivascular adipose tissue dysfunction via regulation of the heme oxygenase-1/adiponectin axis in diet-induced obese mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 99, 188-196	5.8	33
54	AMPK: a balancer of the renin-angiotensin system. <i>Bioscience Reports</i> , 2019 , 39,	4.1	32
53	Graphene Oxide-Templated Synthesis of Hydroxyapatite Nanowhiskers To Improve the Mechanical and Osteoblastic Performance of Poly(lactic acid) for Bone Tissue Regeneration. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 3862-3869	8.3	31
52	Effect of high free fatty acids on the anti-contractile response of perivascular adipose tissue in rat aorta. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 63, 169-74	5.8	30
51	AMPK is associated with the beneficial effects of antidiabetic agents on cardiovascular diseases. <i>Bioscience Reports</i> , 2019 , 39,	4.1	30
50	Empagliflozin attenuates ischemia and reperfusion injury through LKB1/AMPK signaling pathway. <i>Molecular and Cellular Endocrinology</i> , 2020 , 501, 110642	4.4	30
49	Effect of aspirin on the expression of hepatocyte NF- κ B and serum TNF- α in streptozotocin-induced type 2 diabetic rats. <i>Journal of Korean Medical Science</i> , 2011 , 26, 765-70	4.7	29
48	Perirenal fat associated with microalbuminuria in obese rats. <i>International Urology and Nephrology</i> , 2014 , 46, 839-45	2.3	27

47	Structural and functional insights into sorting nexin 5/6 interaction with bacterial effector IncE. <i>Signal Transduction and Targeted Therapy</i> , 2017 , 2, 17030	21	27
46	Sonographic evaluation of para- and perirenal fat thickness is an independent predictor of early kidney damage in obese patients. <i>International Urology and Nephrology</i> , 2013 , 45, 1589-95	2.3	26
45	Irisin Regulates Heme Oxygenase-1/Adiponectin Axis in Perivascular Adipose Tissue and Improves Endothelial Dysfunction in Diet-Induced Obese Mice. <i>Cellular Physiology and Biochemistry</i> , 2017 , 42, 603-614	3.9	24
44	Powerful anti-colon cancer effect of modified nanoparticle-mediated IL-15 immunogene therapy through activation of the host immune system. <i>Theranostics</i> , 2018 , 8, 3490-3503	12.1	24
43	Liraglutide improves vascular dysfunction by regulating a cAMP-independent PKA-AMPK pathway in perivascular adipose tissue in obese mice. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 120, 109537	7.5	22
42	High FFA levels related to microalbuminuria and uncoupling of VEGF-NO axis in obese rats. <i>International Urology and Nephrology</i> , 2013 , 45, 1197-207	2.3	19
41	Oxyresveratrol prevents murine H22 hepatocellular carcinoma growth and lymph node metastasis via inhibiting tumor angiogenesis and lymphangiogenesis. <i>Journal of Natural Medicines</i> , 2018 , 72, 481-492	3.3	18
40	Induction of Haemeoxygenase-1 Directly Improves Endothelial Function in Isolated Aortas from Obese Rats through the Ampk-Pi3k/Akt-Enos Pathway. <i>Cellular Physiology and Biochemistry</i> , 2015 , 36, 1480-90	3.9	17
39	Induction of haemeoxygenase-1 improves FFA-induced endothelial dysfunction in rat aorta. <i>Cellular Physiology and Biochemistry</i> , 2015 , 35, 1230-40	3.9	17
38	Time-action profile of an oral enteric insulin formulation in healthy Chinese volunteers. <i>Clinical Therapeutics</i> , 2012 , 34, 2333-8	3.5	17
37	Liraglutide ameliorates obesity-related nonalcoholic fatty liver disease by regulating Sestrin2-mediated Nrf2/HO-1 pathway. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 525, 895-901	3.4	16
36	C1q/TNF-related protein 9 improves the anti-contractile effects of perivascular adipose tissue via the AMPK-eNOS pathway in diet-induced obese mice. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2018 , 45, 50-57	3	16
35	Novel insight into perirenal adipose tissue: A neglected adipose depot linking cardiovascular and chronic kidney disease. <i>World Journal of Diabetes</i> , 2020 , 11, 115-125	4.7	16
34	The effect of telomerase activity on vascular smooth muscle cell proliferation in type 2 diabetes in vivo and in vitro. <i>Molecular Medicine Reports</i> , 2013 , 7, 1636-40	2.9	14
33	A Meta-Analysis of Pregnancy Outcomes With Levothyroxine Treatment in Euthyroid Women With Thyroid Autoimmunity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	14
32	Calycosin directly improves perivascular adipose tissue dysfunction by upregulating the adiponectin/AMPK/eNOS pathway in obese mice. <i>Food and Function</i> , 2018 , 9, 2409-2415	6.1	13
31	Glutaredoxin 1 up-regulates deglutathionylation of β integrin and thereby restricts neutrophil mobilization from bone marrow. <i>Journal of Biological Chemistry</i> , 2019 , 294, 2616-2627	5.4	13
30	Protective effects of adiponectin on uncoupling of glomerular VEGF-NO axis in early streptozotocin-induced type 2 diabetic rats. <i>International Urology and Nephrology</i> , 2014 , 46, 2045-51	2.3	11

29	Attaching clinical significance to COVID-19-associated diarrhea. <i>Life Sciences</i> , 2020 , 260, 118312	6.8	11
28	Mortality Risk of Antidiabetic Agents for Type 2 Diabetes With COVID-19: A Systematic Review and Meta-Analysis. <i>Frontiers in Endocrinology</i> , 2021 , 12, 708494	5.7	9
27	Multifunctional composite hydrogel bolus with combined self-healing, antibacterial and adhesive functions for radiotherapy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 2627-2635	7.3	8
26	Renal protective effects of induction of haem oxygenase-1 combined with increased adiponectin on the glomerular vascular endothelial growth factor-nitric oxide axis in obese rats. <i>Experimental Physiology</i> , 2015 , 100, 865-76	2.4	8
25	Subtenon Vs Intravitreal Triamcinolone injection in Diabetic Macular Edema, A prospective study in Chinese population. <i>Pakistan Journal of Medical Sciences</i> , 2014 , 30, 749-54	2	8
24	Screening of differentially expressed proteins from syncytiotrophoblast for severe early-onset preeclampsia in women with gestational diabetes mellitus using tandem mass tag quantitative proteomics. <i>BMC Pregnancy and Childbirth</i> , 2018 , 18, 437	3.2	8
23	Correlation of ultrasonographic measurement of intrarenal arterial resistance index with microalbuminuria in nonhypertensive, nondiabetic obese patients. <i>International Urology and Nephrology</i> , 2013 , 45, 1039-45	2.3	7
22	Serum fetuin-A levels related with microalbuminuria in diet-induced obese rats. <i>BioMed Research International</i> , 2013 , 2013, 795103	3	6
21	Blockers of sulfonylureas receptor 1 subunits may lead to cardiac protection against isoprenaline-induced injury in obese rats. <i>European Journal of Pharmacology</i> , 2012 , 690, 142-8	5.3	4
20	Bioinformatic and biochemical findings disclosed anti-hepatic steatosis mechanism of calycosin. <i>Bioorganic Chemistry</i> , 2020 , 100, 103914	5.1	3
19	Growth differentiation factor 11: a "rejuvenation factor" involved in regulation of age-related diseases?. <i>Aging</i> , 2021 , 13, 12258-12272	5.6	3
18	Constructing an on-demand drug release system composed of thermosensitive PPP hydrogel and drug-laden alginate/graphene microspheres to treat tumorous defect. <i>Journal of Materials Science</i> , 2022 , 57, 4754-4770	4.3	2
17	Evodiamine induces ROS-Dependent cytotoxicity in human gastric cancer cells via TRPV1/Ca pathway. <i>Chemico-Biological Interactions</i> , 2021 , 351, 109756	5	2
16	Liraglutide improves obesity-induced renal injury by alleviating uncoupling of the glomerular VEGF-NO axis in obese mice. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020 , 47, 1978-1984		2
15	Epidemiology and clinical characteristics of 43 COVID-19 patients in Weifang, China. <i>Annals of Palliative Medicine</i> , 2020 , 9, 2993-2999	1.7	2
14	Comprehensive overview of human serum albumin glycation in diabetes mellitus. <i>World Journal of Diabetes</i> , 2021 , 12, 1057-1069	4.7	2
13	Decreased shedding dipeptidyl peptidase 4 from membrane in Hashimoto's thyroiditis. <i>International Immunopharmacology</i> , 2020 , 81, 106315	5.8	1
12	Online Education Plight and Countermeasures for MBBS in Chinese Regional Medical Schools Based on the OBE Concept During COVID-19 Pandemic.. <i>Frontiers in Public Health</i> , 2021 , 9, 806809	6	1

11	A paradoxical role for sestrin 2 protein in tumor suppression and tumorigenesis. <i>Cancer Cell International</i> , 2021 , 21, 606	6.4	1
10	How to recognize and respond to viral re-positivity and disease relapse in patients with COVID-19. <i>Journal of Global Health</i> , 2021 , 11, 03043	4.3	1
9	Relationship between serum Dickkopf-1 and albuminuria in patients with type 2 diabetes. <i>World Journal of Diabetes</i> , 2021 , 12, 47-55	4.7	1
8	DL-3-n-butylphthalide protects H9c2 cardiomyoblasts from ischemia/reperfusion injury by regulating HSP70 expression via PI3K/AKT pathway activation. <i>Experimental and Therapeutic Medicine</i> , 2021 , 22, 1008	2.1	1
7	Transcriptomic Analysis Reveals the Protective Effects of Empagliflozin on Lipid Metabolism in Nonalcoholic Fatty Liver Disease.. <i>Frontiers in Pharmacology</i> , 2021 , 12, 793586	5.6	1
6	Doctor of Public Health-Crisis Management and COVID-19 Prevention and Control: A Case Study in China.. <i>Frontiers in Public Health</i> , 2022 , 10, 814632	6	0
5	GEF-independent Ran activation shifts a fraction of the protein to the cytoplasm and promotes cell proliferation.. <i>Molecular Biomedicine</i> , 2020 , 1, 18	3.1	0
4	Association between serum Sestrin2 level and diabetic peripheral neuropathy in type 2 diabetic patients.. <i>World Journal of Clinical Cases</i> , 2021 , 9, 11156-11164	1.6	0
3	The analgesic efficacy of extracorporeal shock wave combined with percutaneous vertebroplasty in the treatment of osteoporotic thoracolumbar compression fractures in postmenopausal women. <i>BioMedical Engineering OnLine</i> , 2021 , 20, 58	4.1	
2	Novel gene mutation in maturity-onset diabetes of the young: A case report.. <i>World Journal of Clinical Cases</i> , 2022 , 10, 1909-1913	1.6	
1	Utilizing Network Pharmacology and Molecular Docking Integrated Surface Plasmon Resonance Technology to Investigate the Potential Targets and Mechanisms of against Pulmonary Artery Hypertension.. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022 , 2022, 9862733	2.3	