

# Xiaodong Sun

## List of Publications by Year in descending order

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71  
papers

1,964  
citations

218381

26  
h-index

264894

42  
g-index

73  
all docs

73  
docs citations

73  
times ranked

2613  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of a Blue Photoluminescent Composite Material from a Combinatorial Library. <i>Science</i> , 1998, 279, 1712-1714.	6.0	290
2	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.	0.3	121
3	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-H1508.	1.5	97
4	SIRT1 agonism modulates cardiac NLRP3 inflammasome through pyruvate dehydrogenase during ischemia and reperfusion. <i>Redox Biology</i> , 2020, 34, 101538.	3.9	82
5	Empagliflozin attenuates ischemia and reperfusion injury through LKB1/AMPK signaling pathway. <i>Molecular and Cellular Endocrinology</i> , 2020, 501, 110642.	1.6	67
6	The relationship between circulating irisin levels and endothelial function in lean and obese subjects. <i>Clinical Endocrinology</i> , 2015, 83, 339-343.	1.2	62
7	AMPK: a therapeutic target of heart failure not only metabolism regulation. <i>Bioscience Reports</i> , 2019, 39, .	1.1	59
8	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.	3.3	52
9	AMPK: a balancer of the renin-angiotensin system. <i>Bioscience Reports</i> , 2019, 39, .	1.1	51
10	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.	3.2	48
11	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, 453-460.	1.1	45
12	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.	0.9	45
13	AMPK is associated with the beneficial effects of antidiabetic agents on cardiovascular diseases. <i>Bioscience Reports</i> , 2019, 39, .	1.1	43
14	Effect of Aspirin on the Expression of Hepatocyte NF- $\kappa$ B and Serum TNF- $\alpha$ in Streptozotocin-Induced Type 2 Diabetic Rats. <i>Journal of Korean Medical Science</i> , 2011, 26, 765.	1.1	40
15	Perirenal fat associated with microalbuminuria in obese rats. <i>International Urology and Nephrology</i> , 2014, 46, 839-845.	0.6	40
16	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, 1589-1595.	0.6	39
17	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.	4.6	38
18	High free fatty acids level related with cardiac dysfunction in obese rats. <i>Diabetes Research and Clinical Practice</i> , 2012, 95, 251-259.	1.1	37

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19	Structural and functional insights into sorting nexin 5/6 interaction with bacterial effector IncE. <i>Signal Transduction and Targeted Therapy</i> , 2017, 2, 17030.	7.1	36
20	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.	1.0	36
21	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.	1.5	36
22	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.	1.1	35
23	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.	1.3	33
24	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, 169-174.	0.9	31
25	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.	2.5	29
26	High FFA levels related to microalbuminuria and uncoupling of VEGF-NO axis in obese rats. <i>International Urology and Nephrology</i> , 2013, 45, 1197-1207.	0.6	27
27	Evodiamine induces ROS-Dependent cytotoxicity in human gastric cancer cells via TRPV1/Ca <sup>2+</sup> pathway. <i>Chemico-Biological Interactions</i> , 2022, 351, 109756.	1.7	24
28	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.	1.1	23
29	C1q-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.	0.9	23
30	Comprehensive overview of human serum albumin glycation in diabetes mellitus. <i>World Journal of Diabetes</i> , 2021, 12, 1057-1069.	1.3	23
31	Induction of Haemeoxygenase-1 Improves FFA-Induced Endothelial Dysfunction in Rat Aorta. <i>Cellular Physiology and Biochemistry</i> , 2015, 35, 1230-1240.	1.1	21
32	Time-Action Profile of an Oral Enteric Insulin Formulation in Healthy Chinese Volunteers. <i>Clinical Therapeutics</i> , 2012, 34, 2333-2338.	1.1	20
33	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, 1480-1490.	1.1	20
34	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.	2.1	20
35	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, 1009-1019.	1.8	20
36	Attaching clinical significance to COVID-19-associated diarrhea. <i>Life Sciences</i> , 2020, 260, 118312.	2.0	20

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37	Glutaredoxin 1 up-regulates deglutathionylation of $\beta$ 4 integrin and thereby restricts neutrophil mobilization from bone marrow. <i>Journal of Biological Chemistry</i> , 2019, 294, 2616-5242.	1.6	18
38	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.	2.9	18
39	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, 1636-1640.	1.1	15
40	Growth differentiation factor 11: a "rejuvenation factor" involved in regulation of age-related diseases?. <i>Aging</i> , 2021, 13, 12258-12272.	1.4	15
41	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, 2045-2051.	0.6	12
42	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.	0.9	12
43	A paradoxical role for sestrin 2 protein in tumor suppression and tumorigenesis. <i>Cancer Cell International</i> , 2021, 21, 606.	1.8	11
44	Empagliflozin Attenuates Obesity-Related Kidney Dysfunction and NLRP3 Inflammasome Activity Through the HO-1-Adiponectin Axis. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	11
45	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, 865-876.	0.9	10
46	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.	0.9	10
47	Transcriptomic Analysis Reveals the Protective Effects of Empagliflozin on Lipid Metabolism in Nonalcoholic Fatty Liver Disease. <i>Frontiers in Pharmacology</i> , 2021, 12, 793586.	1.6	10
48	Post-Translational Modifications of p53 in Ferroptosis: Novel Pharmacological Targets for Cancer Therapy. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	9
49	Correlation of ultrasonographic measurement of intrarenal arterial resistance index with microalbuminuria in nonhypertensive, nondiabetic obese patients. <i>International Urology and Nephrology</i> , 2013, 45, 1039-1045.	0.6	8
50	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.	0.3	8
51	Serum Fetuin-A Levels Related with Microalbuminuria in Diet-Induced Obese Rats. <i>BioMed Research International</i> , 2013, 2013, 1-9.	0.9	7
52	Bioinformatic and biochemical findings disclosed anti-hepatic steatosis mechanism of calycosin. <i>Bioorganic Chemistry</i> , 2020, 100, 103914.	2.0	7
53	Blockers of sulfonyleureas receptor 1 subunits may lead to cardiac protection against isoprenaline-induced injury in obese rats. <i>European Journal of Pharmacology</i> , 2012, 690, 142-148.	1.7	4
54	Decreased shedding dipeptidyl peptidase 4 from membrane in Hashimoto's thyroiditis. <i>International Immunopharmacology</i> , 2020, 81, 106315.	1.7	4

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55	Relationship between serum Dickkopf-1 and albuminuria in patients with type 2 diabetes. <i>World Journal of Diabetes</i> , 2021, 12, 47-55.	1.3	4
56	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.	1.3	4
57	Psoralen Suppresses Lipid Deposition by Alleviating Insulin Resistance and Promoting Autophagy in Oleate-Induced L02 Cells. <i>Cells</i> , 2022, 11, 1067.	1.8	4
58	Thyroid Cancer and COVID-19: Prospects for Therapeutic Approaches and Drug Development. <i>Frontiers in Endocrinology</i> , 2022, 13, .	1.5	4
59	Epidemiology and clinical characteristics of 43 COVID-19 patients in Weifang, China. <i>Annals of Palliative Medicine</i> , 2020, 9, 2993-2999.	0.5	3
60	GEF-independent Ran activation shifts a fraction of the protein to the cytoplasm and promotes cell proliferation. <i>Molecular Biomedicine</i> , 2020, 1, 18.	1.7	3
61	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.	1.7	3
62	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.	1.3	3
63	Comprehensive Analysis of Tumor Immune Microenvironment and Prognosis of m6A-Related lncRNAs in Lung Adenocarcinoma. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2022, 32, 77-91.	0.4	3
64	Utilizing Network Pharmacology and Molecular Docking Integrated Surface Plasmon Resonance Technology to Investigate the Potential Targets and Mechanisms of <i>Tripterygium wilfordii</i> against Pulmonary Artery Hypertension. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-13.	0.5	3
65	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.	1.2	2
66	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.	1.3	2
67	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.	0.3	2
68	DL-β-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.	0.8	1
69	Identification of Potential Indicators for Survival in Patients with Thyroid Cancer Based on mRNA Expression Levels of Family with Sequence Similarity 3 Members. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
70	Editorial: The Impact of Adipose Tissue Dysfunction on Cardiovascular and Renal Disease. <i>Frontiers in Endocrinology</i> , 2021, 12, 815894.	1.5	0
71	Novel <i>HNF1A</i> gene mutation in maturity-onset diabetes of the young: A case report. <i>World Journal of Clinical Cases</i> , 2022, 10, 1909-1913.	0.3	0