

# Yuxiang Sun

## List of Publications by Year in descending order

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92  
papers

5,048  
citations

136950

32  
h-index

91884

69  
g-index

94  
all docs

94  
docs citations

94  
times ranked

5113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ghrelin stimulation of growth hormone release and appetite is mediated through the growth hormone secretagogue receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 4679-4684.	7.1	638
2	Deletion of Ghrelin Impairs neither Growth nor Appetite. <i>Molecular and Cellular Biology</i> , 2003, 23, 7973-7981.	2.3	579
3	Ablation of ghrelin improves the diabetic but not obese phenotype of ob/ob mice. <i>Cell Metabolism</i> , 2006, 3, 379-386.	16.2	316
4	Beclin-1-Dependent Autophagy Protects the Heart During Sepsis. <i>Circulation</i> , 2018, 138, 2247-2262.	1.6	255
5	Characterization of Adult Ghrelin and Ghrelin Receptor Knockout Mice under Positive and Negative Energy Balance. <i>Endocrinology</i> , 2008, 149, 843-850.	2.8	235
6	Ghrelin. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2013, 16, 619-624.	2.5	221
7	Ghrelin promotes thymopoiesis during aging. <i>Journal of Clinical Investigation</i> , 2007, 117, 2778-2790.	8.2	174
8	Ablation of ghrelin receptor reduces adiposity and improves insulin sensitivity during aging by regulating fat metabolism in white and brown adipose tissues. <i>Aging Cell</i> , 2011, 10, 996-1010.	6.7	161
9	Estrogen Improves Insulin Sensitivity and Suppresses Gluconeogenesis via the Transcription Factor Foxo1. <i>Diabetes</i> , 2019, 68, 291-304.	0.6	160
10	Acylated and unacylated ghrelin impair skeletal muscle atrophy in mice. <i>Journal of Clinical Investigation</i> , 2013, 123, 611-22.	8.2	140
11	Nobiletin fortifies mitochondrial respiration in skeletal muscle to promote healthy aging against metabolic challenge. <i>Nature Communications</i> , 2019, 10, 3923.	12.8	123
12	Developments in ghrelin biology and potential clinical relevance. <i>Trends in Endocrinology and Metabolism</i> , 2005, 16, 436-442.	7.1	113
13	Ghrelin and Growth Hormone Secretagogue Receptor Expression in Mice during Aging. <i>Endocrinology</i> , 2007, 148, 1323-1329.	2.8	110
14	Unacylated Ghrelin Rapidly Modulates Lipogenic and Insulin Signaling Pathway Gene Expression in Metabolically Active Tissues of GHSR Deleted Mice. <i>PLoS ONE</i> , 2010, 5, e11749.	2.5	102
15	Ghrelin Is Produced in Taste Cells and Ghrelin Receptor Null Mice Show Reduced Taste Responsivity to Salty (NaCl) and Sour (Citric Acid) Tastants. <i>PLoS ONE</i> , 2010, 5, e12729.	2.5	93
16	Central and Peripheral Roles of Ghrelin on Glucose Homeostasis. <i>Neuroendocrinology</i> , 2007, 86, 215-228.	2.5	91
17	Postprandial inhibition of gastric ghrelin secretion by long-chain fatty acid through GPR120 in isolated gastric ghrelin cells and mice. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, G367-G376.	3.4	85
18	The preproghrelin gene is required for the normal integration of thermoregulation and sleep in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14069-14074.	7.1	71

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19	Ghrelin receptors mediate ghrelin-induced excitation of agouti-related protein/neuropeptide Y but not pro-opiomelanocortin neurons. <i>Journal of Neurochemistry</i> , 2017, 142, 512-520.	3.9	68
20	Neuronal Deletion of Ghrelin Receptor Almost Completely Prevents Diet-Induced Obesity. <i>Diabetes</i> , 2016, 65, 2169-2178.	0.6	63
21	Novel Mechanism of Foxo1 Phosphorylation in Glucagon Signaling in Control of Glucose Homeostasis. <i>Diabetes</i> , 2018, 67, 2167-2182.	0.6	61
22	Ablations of Ghrelin and Ghrelin Receptor Exhibit Differential Metabolic Phenotypes and Thermogenic Capacity during Aging. <i>PLoS ONE</i> , 2011, 6, e16391.	2.5	60
23	Ghrelin receptor regulates adipose tissue inflammation in aging. <i>Aging</i> , 2016, 8, 178-191.	3.1	57
24	Protective Effects of Ghrelin on Fasting-Induced Muscle Atrophy in Aging Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 621-630.	3.6	56
25	Shift work cycle-induced alterations of circadian rhythms potentiate the effects of high-fat diet on inflammation and metabolism. <i>FASEB Journal</i> , 2018, 32, 3085-3095.	0.5	51
26	The suppression of ghrelin signaling mitigates age-associated thermogenic impairment. <i>Aging</i> , 2014, 6, 1019-1032.	3.1	51
27	Physiological roles revealed by ghrelin and ghrelin receptor deficient mice. <i>Peptides</i> , 2011, 32, 2229-2235.	2.4	49
28	1,3,6,7-tetrahydroxy-8-prenylxanthone ameliorates inflammatory responses resulting from the paracrine interaction of adipocytes and macrophages. <i>British Journal of Pharmacology</i> , 2018, 175, 1590-1606.	5.4	44
29	Adipocyte expression of PU.1 transcription factor causes insulin resistance through upregulation of inflammatory cytokine gene expression and ROS production. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E1550-E1559.	3.5	43
30	Suppression of GHS-R in AgRP Neurons Mitigates Diet-Induced Obesity by Activating Thermogenesis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 832.	4.1	42
31	Gallotannin derivatives from mango ( <i>Mangifera indica</i> L.) suppress adipogenesis and increase thermogenesis in 3T3-L1 adipocytes in part through the AMPK pathway. <i>Journal of Functional Foods</i> , 2018, 46, 101-109.	3.4	40
32	Adiponectin is required for maintaining normal body temperature in a cold environment. <i>BMC Physiology</i> , 2017, 17, 8.	3.6	38
33	Age-dependent remodeling of gut microbiome and host serum metabolome in mice. <i>Aging</i> , 2021, 13, 6330-6345.	3.1	35
34	Macrophage Polarization in Atherosclerosis. <i>Genes</i> , 2022, 13, 756.	2.4	35
35	Obestatin stimulates glucose-induced insulin secretion through ghrelin receptor GHS-R. <i>Scientific Reports</i> , 2017, 7, 979.	3.3	26
36	Phosphorylation of Forkhead Protein FoxO1 at S253 Regulates Glucose Homeostasis in Mice. <i>Endocrinology</i> , 2019, 160, 1333-1347.	2.8	26

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37	Cucurbitane-type compounds from <i>Momordica charantia</i> : Isolation, in vitro antidiabetic, anti-inflammatory activities and in silico modeling approaches. <i>Bioorganic Chemistry</i> , 2019, 87, 31-42.	4.1	26
38	Hippocampal overexpression of TREM2 ameliorates high fat diet induced cognitive impairment and modulates phenotypic polarization of the microglia. <i>Genes and Diseases</i> , 2022, 9, 401-414.	3.4	26
39	Anti-Inflammatory, Antidiabetic Properties and In Silico Modeling of Cucurbitane-Type Triterpene Glycosides from Fruits of an Indian Cultivar of <i>Momordica charantia</i> L. <i>Molecules</i> , 2021, 26, 1038.	3.8	25
40	Ghrelin Receptor Regulates Appetite and Satiety during Aging in Mice by Regulating Meal Frequency and Portion Size but Not Total Food Intake. <i>Journal of Nutrition</i> , 2014, 144, 1349-1355.	2.9	24
41	Megalyn mediates plasma membrane to mitochondria cross-talk and regulates mitochondrial metabolism. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 4021-4040.	5.4	24
42	Glucagon regulates hepatic mitochondrial function and biogenesis through FOXO1. <i>Journal of Endocrinology</i> , 2019, 241, 265-278.	2.6	24
43	Suppression of Ghrelin Exacerbates HFCS-Induced Adiposity and Insulin Resistance. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1302.	4.1	23
44	GHS-R1a Deficiency Alleviates Depression-Related Behaviors After Chronic Social Defeat Stress. <i>Frontiers in Neuroscience</i> , 2019, 13, 364.	2.8	23
45	In vitro and in silico elucidation of antidiabetic and anti-inflammatory activities of bioactive compounds from <i>Momordica charantia</i> L.. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 3097-3109.	3.0	22
46	Mean platelet volume, platelet distribution width and carcinoembryonic antigen to discriminate gastric cancer from gastric ulcer. <i>Oncotarget</i> , 2017, 8, 62600-62605.	1.8	18
47	Bis-Indoleâ€Derived NR4A1 Ligands and Metformin Exhibit NR4A1-Dependent Glucose Metabolism and Uptake in C2C12 Cells. <i>Endocrinology</i> , 2018, 159, 1950-1963.	2.8	17
48	Ghrelin Signaling in Immunometabolism and Inflamm-Aging. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1090, 165-182.	1.6	15
49	Heme Oxygenase-1 Regulates Ferrous Iron and Foxo1 in Control of Hepatic Gluconeogenesis. <i>Diabetes</i> , 2021, 70, 696-709.	0.6	15
50	Acute But Not Chronic Calorie Restriction Defends against Stress-Related Anxiety and Despair in a GHS-R1a-Dependent Manner. <i>Neuroscience</i> , 2019, 412, 94-104.	2.3	14
51	Calorie restriction activates new adult born olfactoryâ€bulb neurones in a ghrelinâ€dependent manner but acylâ€ghrelin does not enhance subventricular zone neurogenesis. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12755.	2.6	14
52	Histone Carbonylation Is a Redox-Regulated Epigenomic Mark That Accumulates with Obesity and Aging. <i>Antioxidants</i> , 2020, 9, 1210.	5.1	14
53	A Simple High Efficiency Protocol for Pancreatic Islet Isolation from Mice. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	13
54	Microbiota-Mediated Immune Regulation in Atherosclerosis. <i>Molecules</i> , 2021, 26, 179.	3.8	13

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55	L-Arginine Nutrition and Metabolism in Ruminants. <i>Advances in Experimental Medicine and Biology</i> , 2022, 1354, 177-206.	1.6	13
56	Diverse and Complementary Effects of Ghrelin and Obestatin. <i>Biomolecules</i> , 2022, 12, 517.	4.0	13
57	Ghrelin receptor in agouti-related peptide neurones regulates metabolic adaptation to calorie restriction. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12763.	2.6	11
58	β Cell GHS-R Regulates Insulin Secretion and Sensitivity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3950.	4.1	11
59	Novel Role of Ghrelin Receptor in Gut Dysbiosis and Experimental Colitis in Aging. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2219.	4.1	11
60	Ghrelin signaling in dCA1 suppresses neuronal excitability and impairs memory acquisition via PI3K/Akt/GSK-3β cascades. <i>Neuropharmacology</i> , 2022, 203, 108871.	4.1	10
61	Ghrelin and Cancer: Examining the Roles of the Ghrelin Axis in Tumor Growth and Progression. <i>Biomolecules</i> , 2022, 12, 483.	4.0	10
62	Thermogenic Characterization of Ghrelin Receptor Null Mice. <i>Methods in Enzymology</i> , 2012, 514, 355-370.	1.0	8
63	Bone mineral density is associated with left ventricular diastolic function in women. <i>Clinical Cardiology</i> , 2016, 39, 709-714.	1.8	8
64	αP2-Cre Mediated Ablation of GHS-R Attenuates Adiposity and Improves Insulin Sensitivity during Aging. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3002.	4.1	8
65	Metformin Targets Foxo1 to Control Glucose Homeostasis. <i>Biomolecules</i> , 2021, 11, 873.	4.0	8
66	Ghrelin receptor controls obesity by fat burning. <i>Oncotarget</i> , 2015, 6, 6470-6471.	1.8	8
67	Ghrelin Receptors Enhance Fat Taste Responsiveness in Female Mice. <i>Nutrients</i> , 2021, 13, 1045.	4.1	7
68	GHS-R suppression in adipose tissues protects against obesity and insulin resistance by regulating adipose angiogenesis and fibrosis. <i>International Journal of Obesity</i> , 2021, 45, 1565-1575.	3.4	7
69	Estrogen Protects Cardiac Function and Energy Metabolism in Dilated Cardiomyopathy Induced by Loss of Cardiac IRS1 and IRS2. <i>Circulation: Heart Failure</i> , 2022, 15, 101161CIRCHEARTFAILURE121008758.	3.9	7
70	Reduced prealbumin is associated with bone mineral density in women with osteoporosis. <i>Nutrition</i> , 2017, 33, 338-342.	2.4	6
71	A Murine Pancreatic Islet Cell-based Screening for Diabetogenic Environmental Chemicals. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	5
72	A Novel Automated System Yields Reproducible Temporal Feeding Patterns in Laboratory Rodents. <i>Journal of Nutrition</i> , 2019, 149, 1674-1684.	2.9	5

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73	A Comprehensive High-Efficiency Protocol for Isolation, Culture, Polarization, and Glycolytic Characterization of Bone Marrow-Derived Macrophages. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	5
74	Bitter melon extracts and cucurbitane-type triterpenoid glycosides antagonize lipopolysaccharide-induced inflammation via suppression of NLRP3 inflammasome. <i>Journal of Functional Foods</i> , 2021, 86, 104720.	3.4	4
75	Severe Nephrotoxic Nephritis following Conditional and Kidney-Specific Knockdown of Stanniocalcin-1. <i>PLoS ONE</i> , 2015, 10, e0138440.	2.5	4
76	New Insights on Neuronal Functions of Ghrelin Receptor GHS-R in Obesity. <i>Journal of Neurology and Neuromedicine</i> , 2018, 3, 69-74.	0.9	4
77	Deletion of ghrelin alters tryptophan metabolism and exacerbates experimental ulcerative colitis in aged mice. <i>Experimental Biology and Medicine</i> , 2022, 247, 1558-1569.	2.4	4
78	Mechanistic Investigation of GHS-R Mediated Glucose-Stimulated Insulin Secretion in Pancreatic Islets. <i>Biomolecules</i> , 2022, 12, 407.	4.0	3
79	GHS-R in brown fat potentiates differential thermogenic responses under metabolic and thermal stresses. <i>PLoS ONE</i> , 2021, 16, e0249420.	2.5	2
80	Metabolic and inflammatory functions of cannabinoid receptor type 1 are differentially modulated by adiponectin. <i>World Journal of Diabetes</i> , 2021, 12, 1750-1764.	3.5	1
81	A Novel Mechanism by Foxo1 Phosphorylation Mediates Glucagon Signaling in Control of Glucose Homeostasis. <i>Diabetes</i> , 2018, 67, 1880-P.	0.6	1
82	1853-P: Transforming Growth Factor Beta 1 Acts as a Hepatokine in Control of Glucose and Energy Metabolism. <i>Diabetes</i> , 2019, 68, .	0.6	1
83	Neuronal GHS-R Differentially Modulates Feeding Patterns under Normal and Obesogenic Conditions. <i>Biomolecules</i> , 2022, 12, 293.	4.0	1
84	SUPPRESSION OF GHRELIN SIGNALING EXACERBATES ULCERATIVE COLITIS IN OLDER MICE. <i>Innovation in Aging</i> , 2019, 3, S87-S87.	0.1	0
85	Foxo1-Ser253 Phosphorylation Regulates Glucose Homeostasis in Mice. <i>Diabetes</i> , 2018, 67, .	0.6	0
86	Glucagon Regulates Hepatic Mitochondrial Biogenesis and Function through Foxo1. <i>Diabetes</i> , 2018, 67, .	0.6	0
87	Aging gut microbiome profile and ghrelin signaling in microbiome homeostasis. <i>FASEB Journal</i> , 2019, 33, .	0.5	0
88	1864-P: p38 $\beta$ MAPK Mediates Glucagon-Induced Hepatic Glucose Production through Phosphorylation of Foxo1 at Ser273. <i>Diabetes</i> , 2019, 68, 1864-P.	0.6	0
89	1989-P: Ablation of Ghrelin Receptor in Myeloid Cells Attenuates Diet-Induced NAFLD in Mice. <i>Diabetes</i> , 2019, 68, .	0.6	0
90	Neuronal Deletion of Ghrelin Receptor Attenuates Aging-Associated Insulin Resistance and Cognitive Decline. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0

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91	Thrifty Hormone Ghrelin: The Secret of Aging Muscularly. <i>Journal of Aging Science</i> , 2020, 8, .	0.5	0
92	GHSR1a deficiency suppresses inhibitory drive on dCA1 pyramidal neurons and contributes to memory reinforcement. <i>Cerebral Cortex</i> , 0, , .	2.9	0