Yong Xu

List of Publications by Year in descending order

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114 papers	5,608 citations	76326 40 h-index	91884 69 g-index
120 all docs	120 docs citations	120 times ranked	7469 citing authors

#	Article	IF	Citations
1	The hypothalamus for whole-body physiology: from metabolism to aging. Protein and Cell, 2022, 13, 394-421.	11.0	41
2	Bdh1 overexpression ameliorates hepatic injury by activation of Nrf2 in a MAFLD mouse model. Cell Death Discovery, 2022, 8, 49.	4.7	13
3	Nontraditional Therapy of Diabetes and Its Complications. Journal of Diabetes Research, 2021, 2021, 1-5.	2.3	1
4	Single-cell sequencing reveals the potential oncogenic expression atlas of human iPSC-derived cardiomyocytes. Biology Open, 2021, 10, .	1.2	5
5	Function and Mechanism of Novel Histone Posttranslational Modifications in Health and Disease. BioMed Research International, 2021, 2021, 1-13.	1.9	21
6	Gut Microbiota-Derived Trimethylamine N-Oxide and Kidney Function: A Systematic Review and Meta-Analysis. Advances in Nutrition, 2021, 12, 1286-1304.	6.4	36
7	Reciprocal control of obesity and anxietyâ€“depressive disorder via a GABA and serotonin neural circuit. Molecular Psychiatry, 2021, 26, 2837-2853.	7.9	49
8	Metformin and Fibrosis: A Review of Existing Evidence and Mechanisms. Journal of Diabetes Research, 2021, 2021, 1-11.	2.3	26
9	PCB118 Induces Inflammation of Islet Beta Cells via Activating ROS-NLRP3 Inflammasome Signaling. BioMed Research International, 2021, 2021, 1-8.	1.9	5
10	A neural basis for brain leptin action on reducing type 1 diabetic hyperglycemia. Nature Communications, 2021, 12, 2662.	12.8	11
11	A hindbrain dopaminergic neural circuit prevents weight gain by reinforcing food satiation. Science Advances, 2021, 7, .	10.3	13
12	Rap1 in the VMH regulates glucose homeostasis. JCI Insight, 2021, 6, .	5.0	10
13	G-quadruplex DNA: a novel target for drug design. Cellular and Molecular Life Sciences, 2021, 78, 6557-6583.	5.4	57
14	Low serum Maresin-1 levels are associated with non-alcoholic fatty liver disease: a cross-sectional study. Lipids in Health and Disease, 2021, 20, 96.	3.0	9
15	A POMC-originated circuit regulates stress-induced hypophagia, depression, and anhedonia. Molecular Psychiatry, 2020, 25, 1006-1021.	7.9	64
16	Paraventricular hypothalamus mediates diurnal rhythm of metabolism. Nature Communications, 2020, 11, 3794.	12.8	36
17	17Î²-estradiol promotes acute refeeding in hungry mice via membrane-initiated ERÎ± signaling. Molecular Metabolism, 2020, 42, 101053.	6.5	21
18	Profound and redundant functions of arcuate neurons in obesity development. Nature Metabolism, 2020, 2, 763-774.	11.9	55

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19	Association between Circulating B-Type Natriuretic Peptide and Diabetic Peripheral Neuropathy: A Cross-Sectional Study of a Chinese Type 2 Diabetic Population. Journal of Diabetes Research, 2020, 2020, 1-10.	2.3	6
20	Association of Circulating Omentin-1 with Osteoporosis in a Chinese Type 2 Diabetic Population. Mediators of Inflammation, 2020, 2020, 1-16.	3.0	6
21	Nuclear Receptor Coactivators (NCOAs) and Corepressors (NCORs) in the Brain. Endocrinology, 2020, 161, .	2.8	30
22	Gut Hormone GIP Induces Inflammation and Insulin Resistance in the Hypothalamus. Endocrinology, 2020, 161, .	2.8	20
23	Decreased Plasma Maresin 1 Concentration Is Associated with Diabetic Foot Ulcer. Mediators of Inflammation, 2020, 2020, 1-7.	3.0	16
24	HBV integrated genomic characterization revealed hepatocyte genomic alterations in HBV-related hepatocellular carcinomas. Molecular and Clinical Oncology, 2020, 13, 79.	1.0	0
25	HBV integrated genomic characterization revealed hepatocyte genomic alterations in HBVâ€'related hepatocellular carcinomas. Molecular and Clinical Oncology, 2020, 13, 1-1.	1.0	1
26	Genotyping, generation and proteomic profiling of the first human autosomal dominant osteopetrosis type II-specific induced pluripotent stem cells. Stem Cell Research and Therapy, 2019, 10, 251.	5.5	6
27	Identification of a neurocircuit underlying regulation of feeding by stress-related emotional responses. Nature Communications, 2019, 10, 3446.	12.8	48
28	A High Level of Circulating Valine Is a Biomarker for Type 2 Diabetes and Associated with the Hypoglycemic Effect of Sitagliptin. Mediators of Inflammation, 2019, 2019, 1-7.	3.0	16
29	Effect of Inulin-Type Carbohydrates on Insulin Resistance in Patients with Type 2 Diabetes and Obesity: A Systematic Review and Meta-Analysis. Journal of Diabetes Research, 2019, 2019, 1-13.	2.3	47
30	Sodium butyrate alleviates high-glucose-induced renal glomerular endothelial cells damage via inhibiting pyroptosis. International Immunopharmacology, 2019, 75, 105832.	3.8	64
31	RIPK2-Mediated Autophagy and Negatively Regulated ROS-NLRP3 Inflammasome Signaling in GMCs Stimulated with High Glucose. Mediators of Inflammation, 2019, 2019, 1-13.	3.0	19
32	Loss of function of NCOR1 and NCOR2 impairs memory through a novel GABAergic hypothalamusâ€"CA3 projection. Nature Neuroscience, 2019, 22, 205-217.	14.8	54
33	FBW7 Regulates the Autophagy Signal in Mesangial Cells Induced by High Glucose. BioMed Research International, 2019, 2019, 1-9.	1.9	12
34	A lateral hypothalamus to basal forebrain neurocircuit promotes feeding by suppressing responses to anxiogenic environmental cues. Science Advances, 2019, 5, eaav1640.	10.3	35
35	Steroid receptor coactivator-1 modulates the function of Pomc neurons and energy homeostasis. Nature Communications, 2019, 10, 1718.	12.8	45
36	Resistant starch ameliorated insulin resistant in patients of type 2 diabetes with obesity: a systematic review and meta-analysis. Lipids in Health and Disease, 2019, 18, 205.	3.0	29

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37	Estrogen Improves Insulin Sensitivity and Suppresses Gluconeogenesis via the Transcription Factor Foxo1. Diabetes, 2019, 68, 291-304.	0.6	160
38	Gut-derived GIP activates central Rap1 to impair neural leptin sensitivity during overnutrition. Journal of Clinical Investigation, 2019, 129, 3786-3791.	8.2	62
39	Defensive Behaviors Driven by a Hypothalamic-Ventral Midbrain Circuit. ENeuro, 2019, 6, ENEURO.0156-19.2019.	1.9	19
40	Mechanisms for sex differences in energy homeostasis. Journal of Molecular Endocrinology, 2019, 62, R129-R143.	2.5	53
41	TAp63 contributes to sexual dimorphism in POMC neuron functions and energy homeostasis. Nature Communications, 2018, 9, 1544.	12.8	64
42	A neural basis for antagonistic control of feeding and compulsive behaviors. Nature Communications, 2018, 9, 52.	12.8	41
43	Arginine reverses growth hormone resistance through the inhibition of toll-like receptor 4-mediated inflammatory pathway. Metabolism: Clinical and Experimental, 2018, 79, 10-23.	3.4	5
44	Central regulation of energy metabolism by estrogens. Molecular Metabolism, 2018, 15, 104-115.	6.5	80
45	Maresins: Specialized Proresolving Lipid Mediators and Their Potential Role in Inflammatory-Related Diseases. Mediators of Inflammation, 2018, 2018, 1-8.	3.0	61
46	Plasma Neuregulin 4 Levels Are Associated with Metabolic Syndrome in Patients Newly Diagnosed with Type 2 Diabetes Mellitus. Disease Markers, 2018, 2018, 1-11.	1.3	36
47	NRG1-Fc improves metabolic health via dual hepatic and central action. JCI Insight, 2018, 3, .	5.0	37
48	Activation of Serotonin 2C Receptors in Dopamine Neurons Inhibits Binge-like Eating in Mice. Biological Psychiatry, 2017, 81, 737-747.	1.3	83
49	Melanocortin 4 receptor is not required for estrogenic regulations on energy homeostasis and reproduction. Metabolism: Clinical and Experimental, 2017, 70, 152-159.	3.4	11
50	DsbA-L prevents obesity-induced inflammation and insulin resistance by suppressing the mtDNA release-activated cGAS-cGAMP-STING pathway. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12196-12201.	7.1	185
51	Heparin Increases Food Intake through AgRP Neurons. Cell Reports, 2017, 20, 2455-2467.	6.4	17
52	Brain Estrogens and Feeding Behavior. Advances in Experimental Medicine and Biology, 2017, 1043, 337-357.	1.6	1
53	Asprosin is a centrally acting orexigenic hormone. Nature Medicine, 2017, 23, 1444-1453.	30.7	216
54	Tissue factor pathway inhibitor-2 induced hepatocellular carcinoma cell differentiation. Saudi Journal of Biological Sciences, 2017, 24, 95-102.	3.8	14

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55	Suppression of GHS-R in AgRP Neurons Mitigates Diet-Induced Obesity by Activating Thermogenesis. International Journal of Molecular Sciences, 2017, 18, 832.	4.1	42
56	Maresin 1 Mitigates High Glucose-Induced Mouse Glomerular Mesangial Cell Injury by Inhibiting Inflammation and Fibrosis. Mediators of Inflammation, 2017, 2017, 1-11.	3.0	41
57	SUMO E3 Ligase PIASy Mediates High Glucose-Induced Activation of NF-ÎB Inflammatory Signaling in Rat Mesangial Cells. Mediators of Inflammation, 2017, 2017, 1-9.	3.0	9
58	CYLD Deubiquitinase Negatively Regulates High Glucose-Induced NF-ÎB Inflammatory Signaling in Mesangial Cells. BioMed Research International, 2017, 2017, 1-9.	1.9	7
59	Red blood cell Î²-adrenergic receptors contribute to diet-induced energy expenditure by increasing O2 supply. JCI Insight, 2017, 2, .	5.0	4
60	Brain nuclear receptors and body weight regulation. Journal of Clinical Investigation, 2017, 127, 1172-1180.	8.2	20
61	VMAT2-Mediated Neurotransmission from Midbrain Leptin Receptor Neurons in Feeding Regulation. ENeuro, 2017, 4, ENEURO.0083-17.2017.	1.9	15
62	An Indirect Action Contributes to C-Fos Induction in Paraventricular Hypothalamic Nucleus by Neuropeptide Y. Scientific Reports, 2016, 6, 19980.	3.3	10
63	Hypothalamic Vitamin D Improves Glucose Homeostasis and Reduces Weight. Diabetes, 2016, 65, 2732-2741.	0.6	45
64	Estrogen Receptor-Î± in the Medial Amygdala Prevents Stress-Induced Elevations in Blood Pressure in Females. Hypertension, 2016, 67, 1321-1330.	2.7	18
65	Neuronal Deletion of Ghrelin Receptor Almost Completely Prevents Diet-Induced Obesity. Diabetes, 2016, 65, 2169-2178.	0.6	63
66	Neuronal Rap1 Regulates Energy Balance, Glucose Homeostasis, and Leptin Actions. Cell Reports, 2016, 16, 3003-3015.	6.4	37
67	A Small Potassium Current in AgRP/NPY Neurons Regulates Feeding Behavior and Energy Metabolism. Cell Reports, 2016, 17, 1807-1818.	6.4	23
68	PI3K in the ventromedial hypothalamic nucleus mediates estrogenic actions on energy expenditure in female mice. Scientific Reports, 2016, 6, 23459.	3.3	32
69	Molecular dysfunctions in acute myeloid leukemia revealed by integrated analysis of microRNA and transcription factor. International Journal of Oncology, 2016, 48, 2367-2380.	3.3	5
70	Hypothalamic roles of mTOR complex I: integration of nutrient and hormone signals to regulate energy homeostasis. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E994-E1002.	3.5	54
71	Visualizing estrogen receptor-Î±-expressing neurons using a new ERÎ±-ZsGreen reporter mouse line. Metabolism: Clinical and Experimental, 2016, 65, 522-532.	3.4	25
72	New inducible genetic method reveals critical roles of GABA in the control of feeding and metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3645-3650.	7.1	53

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73	Euglycemia Restoration by Central Leptin in Type 1 Diabetes Requires STAT3 Signaling but Not Fast-Acting Neurotransmitter Release. Diabetes, 2016, 65, 1040-1049.	0.6	25
74	Apolipoprotein A-IV Inhibits AgRP/NPY Neurons and Activates Pro-Opiomelanocortin Neurons in the Arcuate Nucleus. Neuroendocrinology, 2016, 103, 476-488.	2.5	20
75	SRC-1 Regulates Blood Pressure and Aortic Stiffness in Female Mice. PLoS ONE, 2016, 11, e0168644.	2.5	13
76	Metaâ€chlorophenylpiperazine enhances leptin sensitivity in dietâ€induced obese mice. British Journal of Pharmacology, 2015, 172, 3510-3521.	5.4	12
77	GABAergic Projections from Lateral Hypothalamus to Paraventricular Hypothalamic Nucleus Promote Feeding. Journal of Neuroscience, 2015, 35, 3312-3318.	3.6	74
78	Hypothalamic Non-AgRP, Non-POMC GABAergic Neurons Are Required for Postweaning Feeding and NPY Hyperphagia. Journal of Neuroscience, 2015, 35, 10440-10450.	3.6	31
79	Estrogens Prevent Metabolic Dysfunctions Induced by Circadian Disruptions in Female Mice. Endocrinology, 2015, 156, 2114-2123.	2.8	31
80	Progress in the molecular understanding of central regulation of body weight by estrogens. Obesity, 2015, 23, 919-926.	3.0	27
81	The ERÎ±-PI3K Cascade in Proopiomelanocortin Progenitor Neurons Regulates Feeding and Glucose Balance in Female Mice. Endocrinology, 2015, 156, 4474-4491.	2.8	33
82	Estrogen receptorâ€“Î± in medial amygdala neurons regulates body weight. Journal of Clinical Investigation, 2015, 125, 2861-2876.	8.2	81
83	Targeting brain estrogen receptor for binge eating. Oncotarget, 2015, 6, 23044-23045.	1.8	1
84	Central regulation of food intake, body weight, energy expenditure, and glucose homeostasis. Frontiers in Neuroscience, 2014, 8, 384.	2.8	11
85	Phloretin promotes adipocyte differentiation in vitro and improves glucose homeostasis in vivo. Journal of Nutritional Biochemistry, 2014, 25, 1296-1308.	4.2	43
86	Profound and rapid reduction in body temperature induced by the melanocortin receptor agonists. Biochemical and Biophysical Research Communications, 2014, 451, 184-189.	2.1	6
87	Estrogens stimulate serotonin neurons to inhibit binge-like eating in mice. Journal of Clinical Investigation, 2014, 124, 4351-4362.	8.2	99
88	Serotonin 2C receptors in pro-opiomelanocortin neurons regulate energy and glucose homeostasis. Journal of Clinical Investigation, 2014, 124, 1868-1868.	8.2	2
89	Glutamate Mediates the Function of Melanocortin Receptor 4 on Sim1 Neurons in Body Weight Regulation. Cell Metabolism, 2013, 18, 860-870.	16.2	87
90	Central GLP-2 Enhances Hepatic Insulin Sensitivity via Activating PI3K Signaling in POMC Neurons. Cell Metabolism, 2013, 18, 86-98.	16.2	74

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91	The sexually dimorphic role of adipose and adipocyte estrogen receptors in modulating adipose tissue expansion, inflammation, and fibrosis. Molecular Metabolism, 2013, 2, 227-242.	6.5	202
92	Identification of dysregulated microRNAs in lymphocytes from children with Down syndrome. Gene, 2013, 530, 278-286.	2.2	27
93	Steroid Receptor Coactivator-1 Mediates Estrogenic Actions to Prevent Body Weight Gain in Female Mice. Endocrinology, 2013, 154, 150-158.	2.8	34
94	Bmal1 and Î²-Cell Clock Are Required for Adaptation to Circadian Disruption, and Their Loss of Function Leads to Oxidative Stress-Induced Î²-Cell Failure in Mice. Molecular and Cellular Biology, 2013, 33, 2327-2338.	2.3	175
95	Analysis of microRNA expression profile by small RNA sequencing in Down syndrome fetuses. International Journal of Molecular Medicine, 2013, 32, 1115-1125.	4.0	32
96	Serotonin 2C receptors in pro-opiomelanocortin neurons regulate energy and glucose homeostasis. Journal of Clinical Investigation, 2013, 123, 5061-5070.	8.2	184
97	Cross-talk between metabolism and reproduction: the role of POMC and SF1 neurons. Frontiers in Endocrinology, 2012, 2, 98.	3.5	32
98	SF-1 in the ventral medial hypothalamic nucleus: A key regulator of homeostasis. Molecular and Cellular Endocrinology, 2011, 336, 219-223.	3.2	54
99	Central insulin and leptin-mediated autonomic control of glucose homeostasis. Trends in Endocrinology and Metabolism, 2011, 22, 275-85.	7.1	104
100	Serotonin 2C Receptor Activates a Distinct Population of Arcuate Pro-opiomelanocortin Neurons via TRPC Channels. Neuron, 2011, 71, 488-497.	8.1	165
101	Tissue factor pathway inhibitor-2 inhibits the growth and invasion of hepatocellular carcinoma cells and is inactivated in human hepatocellular carcinoma. Oncology Letters, 2011, 2, 779-783.	1.8	16
102	Central nervous control of energy and glucose balance: focus on the central melanocortin system. Annals of the New York Academy of Sciences, 2011, 1243, 1-14.	3.8	118
103	Steroidogenic factor 1 directs programs regulating diet-induced thermogenesis and leptin action in the ventral medial hypothalamic nucleus. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10673-10678.	7.1	152
104	5-HT2CRs expressed by pro-opiomelanocortin neurons regulate insulin sensitivity in liver. Nature Neuroscience, 2010, 13, 1457-1459.	14.8	87
105	A Serotonin and Melanocortin Circuit Mediates d-Fenfluramine Anorexia. Journal of Neuroscience, 2010, 30, 14630-14634.	3.6	72
106	Direct Insulin and Leptin Action on Pro-opiomelanocortin Neurons Is Required for Normal Glucose Homeostasis and Fertility. Cell Metabolism, 2010, 11, 286-297.	16.2	321
107	PI3K Signaling in the Ventromedial Hypothalamic Nucleus Is Required for Normal Energy Homeostasis. Cell Metabolism, 2010, 12, 88-95.	16.2	96
108	Phosphatidyl Inositol 3-Kinase Signaling in Hypothalamic Proopiomelanocortin Neurons Contributes to the Regulation of Glucose Homeostasis. Endocrinology, 2009, 150, 4874-4882.	2.8	82

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109	5-HT2CRs Expressed by Pro-Opiomelanocortin Neurons Regulate Energy Homeostasis. Neuron, 2008, 60, 582-589.	8.1	284
110	Adrenomedullin Stimulates Nitric Oxide Production from Primary Rat Hypothalamic Neurons: Roles of Calcium and Phosphatases. Molecular Pharmacology, 2007, 72, 112-120.	2.3	26
111	Adrenomedullin in the rostral ventrolateral medulla inhibits baroreflex control of heart rate: a role for protein kinase A. British Journal of Pharmacology, 2006, 148, 70-77.	5.4	15
112	Adrenomedullin Stimulates Nitric Oxide Release from SK-N-SH Human Neuroblastoma Cells by Modulating Intracellular Calcium Mobilization. Endocrinology, 2005, 146, 2295-2305.	2.8	24
113	Adrenomedullin in the rostral ventrolateral medulla increases arterial pressure and heart rate: roles of glutamate and nitric oxide. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 287, R729-R734.	1.8	22
114	Decrease in arterial pressure induced by adrenomedullin in the hypothalamic paraventricular nucleus is mediated by nitric oxide and GABA. Regulatory Peptides, 2004, 119, 21-30.	1.9	25