

# Qingchun Tong

## List of Publications by Year in descending order

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Version: 2024-02-01

94  
papers

4,511  
citations

117625

34  
h-index

114465

63  
g-index

119  
all docs

119  
docs citations

119  
times ranked

6458  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synaptic release of GABA by AgRP neurons is required for normal regulation of energy balance. <i>Nature Neuroscience</i> , 2008, 11, 998-1000.	14.8	565
2	Synaptic Glutamate Release by Ventromedial Hypothalamic Neurons Is Part of the Neurocircuitry that Prevents Hypoglycemia. <i>Cell Metabolism</i> , 2007, 5, 383-393.	16.2	358
3	VGLUT2-Dependent Glutamate Release from Nociceptors Is Required to Sense Pain and Suppress Itch. <i>Neuron</i> , 2010, 68, 543-556.	8.1	226
4	GABAergic RIP-Cre Neurons in the Arcuate Nucleus Selectively Regulate Energy Expenditure. <i>Cell</i> , 2012, 151, 645-657.	28.9	193
5	Glucose Stimulation of Hypothalamic MCH Neurons Involves KATP Channels, Is Modulated by UCP2, and Regulates Peripheral Glucose Homeostasis. <i>Cell Metabolism</i> , 2010, 12, 545-552.	16.2	171
6	An Obligate Role of Oxytocin Neurons in Diet Induced Energy Expenditure. <i>PLoS ONE</i> , 2012, 7, e45167.	2.5	145
7	A cholinergic basal forebrain feeding circuit modulates appetite suppression. <i>Nature</i> , 2016, 538, 253-256.	27.8	104
8	Brain expression of Cre recombinase driven by pancreas-specific promoters. <i>Genesis</i> , 2010, 48, 628-634.	1.6	99
9	Estrogens stimulate serotonin neurons to inhibit binge-like eating in mice. <i>Journal of Clinical Investigation</i> , 2014, 124, 4351-4362.	8.2	99
10	Medullary Circuitry Regulating Rapid Eye Movement Sleep and Motor Atonia. <i>Journal of Neuroscience</i> , 2009, 29, 9361-9369.	3.6	96
11	Glutamate Mediates the Function of Melanocortin Receptor 4 on Sim1 Neurons in Body Weight Regulation. <i>Cell Metabolism</i> , 2013, 18, 860-870.	16.2	87
12	Activation of Serotonin 2C Receptors in Dopamine Neurons Inhibits Binge-like Eating in Mice. <i>Biological Psychiatry</i> , 2017, 81, 737-747.	1.3	83
13	Estrogen receptor $\alpha$ in medial amygdala neurons regulates body weight. <i>Journal of Clinical Investigation</i> , 2015, 125, 2861-2876.	8.2	81
14	Central GLP-2 Enhances Hepatic Insulin Sensitivity via Activating PI3K Signaling in POMC Neurons. <i>Cell Metabolism</i> , 2013, 18, 86-98.	16.2	74
15	GABAergic Projections from Lateral Hypothalamus to Paraventricular Hypothalamic Nucleus Promote Feeding. <i>Journal of Neuroscience</i> , 2015, 35, 3312-3318.	3.6	74
16	TAp63 contributes to sexual dimorphism in POMC neuron functions and energy homeostasis. <i>Nature Communications</i> , 2018, 9, 1544.	12.8	64
17	Vesicular glutamate transporter 2 in the brain-gut axis. <i>NeuroReport</i> , 2001, 12, 3929-3934.	1.2	62
18	The Medial Amygdalar Nucleus: A Novel Glucose-Sensing Region That Modulates the Counterregulatory Response to Hypoglycemia. <i>Diabetes</i> , 2010, 59, 2646-2652.	0.6	60

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19	CNC-bZIP Protein Nrf1-Dependent Regulation of Glucose-Stimulated Insulin Secretion. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 819-831.	5.4	59
20	Dietary component isorhamnetin is a PPAR $\beta$ antagonist and ameliorates metabolic disorders induced by diet or leptin deficiency. <i>Scientific Reports</i> , 2016, 6, 19288.	3.3	59
21	Hunger and Satiety Gauge Reward Sensitivity. <i>Frontiers in Endocrinology</i> , 2017, 8, 104.	3.5	59
22	Role of GABA Release From Leptin Receptor-Expressing Neurons in Body Weight Regulation. <i>Endocrinology</i> , 2012, 153, 2223-2233.	2.8	57
23	Localization and function of group III metabotropic glutamate receptors in rat pancreatic islets. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002, 282, E1324-E1333.	3.5	55
24	Profound and redundant functions of arcuate neurons in obesity development. <i>Nature Metabolism</i> , 2020, 2, 763-774.	11.9	55
25	Loss of function of NCOR1 and NCOR2 impairs memory through a novel GABAergic hypothalamus $\rightarrow$ CA3 projection. <i>Nature Neuroscience</i> , 2019, 22, 205-217.	14.8	54
26	Depletion of white adipocyte progenitors induces beige adipocyte differentiation and suppresses obesity development. <i>Cell Death and Differentiation</i> , 2015, 22, 351-363.	11.2	53
27	Localization and function of metabotropic glutamate receptor 8 in the enteric nervous system. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 285, G992-G1003.	3.4	52
28	Bavachinin, as a novel natural pan-PPAR agonist, exhibits unique synergistic effects with synthetic PPAR $\beta$ and PPAR $\delta$ agonists on carbohydrate and lipid metabolism in db/db and diet-induced obese mice. <i>Diabetologia</i> , 2016, 59, 1276-1286.	6.3	51
29	Silymarin Ameliorates Metabolic Dysfunction Associated with Diet-Induced Obesity via Activation of Farnesyl X Receptor. <i>Frontiers in Pharmacology</i> , 2016, 7, 345.	3.5	49
30	Identification of a neurocircuit underlying regulation of feeding by stress-related emotional responses. <i>Nature Communications</i> , 2019, 10, 3446.	12.8	48
31	Estrogen receptor $\alpha$ -expressing neurons in the ventrolateral VMH regulate glucose balance. <i>Nature Communications</i> , 2020, 11, 2165.	12.8	48
32	Steroid receptor coactivator-1 modulates the function of Pomc neurons and energy homeostasis. <i>Nature Communications</i> , 2019, 10, 1718.	12.8	45
33	Prevalence, demographic and clinical features of comorbid depressive symptoms in drug-naïve patients with schizophrenia presenting with first episode psychosis. <i>Schizophrenia Research</i> , 2018, 193, 182-187.	2.0	42
34	Betulinic acid alleviates endoplasmic reticulum stress $\rightarrow$ mediated nonalcoholic fatty liver disease through activation of farnesoid X receptors in mice. <i>British Journal of Pharmacology</i> , 2019, 176, 847-863.	5.4	42
35	Cycloastragenol improves hepatic steatosis by activating farnesoid X receptor signalling. <i>Pharmacological Research</i> , 2017, 121, 22-32.	7.1	41
36	A neural basis for antagonistic control of feeding and compulsive behaviors. <i>Nature Communications</i> , 2018, 9, 52.	12.8	41

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37	The hypothalamus for whole-body physiology: from metabolism to aging. <i>Protein and Cell</i> , 2022, 13, 394-421.	11.0	41
38	Paraventricular hypothalamus mediates diurnal rhythm of metabolism. <i>Nature Communications</i> , 2020, 11, 3794.	12.8	36
39	A lateral hypothalamus to basal forebrain neurocircuit promotes feeding by suppressing responses to anxiogenic environmental cues. <i>Science Advances</i> , 2019, 5, eaav1640.	10.3	35
40	The ER $\alpha$ -PI3K Cascade in Proopiomelanocortin Progenitor Neurons Regulates Feeding and Glucose Balance in Female Mice. <i>Endocrinology</i> , 2015, 156, 4474-4491.	2.8	33
41	PI3K in the ventromedial hypothalamic nucleus mediates estrogenic actions on energy expenditure in female mice. <i>Scientific Reports</i> , 2016, 6, 23459.	3.3	32
42	Hypothalamic Non-AgRP, Non-POMC GABAergic Neurons Are Required for Postweaning Feeding and NPY Hyperphagia. <i>Journal of Neuroscience</i> , 2015, 35, 10440-10450.	3.6	31
43	Estrogens Prevent Metabolic Dysfunctions Induced by Circadian Disruptions in Female Mice. <i>Endocrinology</i> , 2015, 156, 2114-2123.	2.8	31
44	Transient Overexpression of Vascular Endothelial Growth Factor A in Adipose Tissue Promotes Energy Expenditure via Activation of the Sympathetic Nervous System. <i>Molecular and Cellular Biology</i> , 2018, 38, .	2.3	31
45	Glutamate release mediates leptin action on energy expenditure. <i>Molecular Metabolism</i> , 2013, 2, 109-115.	6.5	30
46	Morin, a novel liver X receptor $\alpha/\beta$ dual antagonist, has potent therapeutic efficacy for nonalcoholic fatty liver diseases. <i>British Journal of Pharmacology</i> , 2017, 174, 3032-3044.	5.4	30
47	Effects of Intermittent Fasting on the Circulating Levels and Circadian Rhythms of Hormones. <i>Endocrinology and Metabolism</i> , 2021, 36, 745-756.	3.0	29
48	Sensory perception drives food avoidance through excitatory basal forebrain circuits. <i>ELife</i> , 2019, 8, .	6.0	27
49	Action of Neurotransmitter: A Key to Unlock the AgRP Neuron Feeding Circuit. <i>Frontiers in Neuroscience</i> , 2012, 6, 200.	2.8	25
50	Visualizing estrogen receptor- $\alpha$ -expressing neurons using a new ER $\alpha$ -ZsGreen reporter mouse line. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 522-532.	3.4	25
51	Euglycemia Restoration by Central Leptin in Type 1 Diabetes Requires STAT3 Signaling but Not Fast-Acting Neurotransmitter Release. <i>Diabetes</i> , 2016, 65, 1040-1049.	0.6	25
52	Anatomy and Function of Ventral Tegmental Area Glutamate Neurons. <i>Frontiers in Neural Circuits</i> , 0, 16, .	2.8	24
53	A Small Potassium Current in AgRP/NPY Neurons Regulates Feeding Behavior and Energy Metabolism. <i>Cell Reports</i> , 2016, 17, 1807-1818.	6.4	23
54	Central Leptin Regulation of Obesity and Fertility. <i>Current Obesity Reports</i> , 2012, 1, 236-244.	8.4	22

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55	AgRP neurons trigger long-term potentiation and facilitate food seeking. <i>Translational Psychiatry</i> , 2021, 11, 11.	4.8	22
56	A D2 to D1 shift in dopaminergic inputs to midbrain 5-HT neurons causes anorexia in mice. <i>Nature Neuroscience</i> , 2022, 25, 646-658.	14.8	21
57	Role of Exchange Protein Directly Activated by Cyclic AMP Isoform 1 in Energy Homeostasis: Regulation of Leptin Expression and Secretion in White Adipose Tissue. <i>Molecular and Cellular Biology</i> , 2016, 36, 2440-2450.	2.3	20
58	Apolipoprotein A-IV Inhibits AgRP/NPY Neurons and Activates Pro-Opiomelanocortin Neurons in the Arcuate Nucleus. <i>Neuroendocrinology</i> , 2016, 103, 476-488.	2.5	20
59	Defensive Behaviors Driven by a Hypothalamic-Ventral Midbrain Circuit. <i>ENeuro</i> , 2019, 6, ENEURO.0156-19.2019.	1.9	19
60	The blocking effect of BmP02, one novel short-chain scorpion peptide on transient outward K <sup>+</sup> channel of adult rat ventricular myocyte. <i>Regulatory Peptides</i> , 2000, 90, 85-92.	1.9	18
61	Solution Structure of BmP02, a New Potassium Channel Blocker from the Venom of the Chinese Scorpion <i>Buthus martensii</i> Karsch. <i>Biochemistry</i> , 2000, 39, 13669-13675.	2.5	18
62	Estrogen Receptor- $\alpha$ in the Medial Amygdala Prevents Stress-Induced Elevations in Blood Pressure in Females. <i>Hypertension</i> , 2016, 67, 1321-1330.	2.7	18
63	Exercise-like effects by Estrogen-related receptor-gamma in muscle do not prevent insulin resistance in db/db mice. <i>Scientific Reports</i> , 2016, 6, 26442.	3.3	18
64	Centrally circulating $\beta$ -klotho inversely correlates with human obesity and modulates arcuate cell populations in mice. <i>Molecular Metabolism</i> , 2021, 44, 101136.	6.5	18
65	Expanding neurotransmitters in the hypothalamic neurocircuitry for energy balance regulation. <i>Protein and Cell</i> , 2011, 2, 800-813.	11.0	17
66	5-HT recruits distinct neurocircuits to inhibit hunger-driven and non-hunger-driven feeding. <i>Molecular Psychiatry</i> , 2021, 26, 7211-7224.	7.9	17
67	The ventromedial hypothalamic nucleus: watchdog of whole-body glucose homeostasis. <i>Cell and Bioscience</i> , 2022, 12, .	4.8	17
68	VMAT2-Mediated Neurotransmission from Midbrain Leptin Receptor Neurons in Feeding Regulation. <i>ENeuro</i> , 2017, 4, ENEURO.0083-17.2017.	1.9	15
69	Disrupted hypothalamic $\alpha$ -CRH neuron responsiveness contributes to diet-induced obesity. <i>EMBO Reports</i> , 2020, 21, e49210.	4.5	14
70	Functional Neuronal Differentiation of Injury-Induced Muscle-Derived Stem Cell-Like Cells with Therapeutic Implications. <i>Scientific Reports</i> , 2017, 7, 1177.	3.3	13
71	SRC-1 Regulates Blood Pressure and Aortic Stiffness in Female Mice. <i>PLoS ONE</i> , 2016, 11, e0168644.	2.5	13
72	Meta-chlorophenylpiperazine enhances leptin sensitivity in diet-induced obese mice. <i>British Journal of Pharmacology</i> , 2015, 172, 3510-3521.	5.4	12

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73	Melanocortin 4 receptor is not required for estrogenic regulations on energy homeostasis and reproduction. <i>Metabolism: Clinical and Experimental</i> , 2017, 70, 152-159.	3.4	11
74	Long-term PGC1 $\beta$ overexpression leads to apoptosis, autophagy and muscle wasting. <i>Scientific Reports</i> , 2017, 7, 10237.	3.3	11
75	A neural basis for brain leptin action on reducing type 1 diabetic hyperglycemia. <i>Nature Communications</i> , 2021, 12, 2662.	12.8	11
76	Barbadin potentiates long-term effects of lorcaserin on POMC neurons and weight loss. <i>Journal of Neuroscience</i> , 2021, 41, JN-RM-3210-20.	3.6	11
77	An estrogen-sensitive hypothalamus-midbrain neural circuit controls thermogenesis and physical activity. <i>Science Advances</i> , 2022, 8, eabk0185.	10.3	11
78	An Indirect Action Contributes to C-Fos Induction in Paraventricular Hypothalamic Nucleus by Neuropeptide Y. <i>Scientific Reports</i> , 2016, 6, 19980.	3.3	10
79	Hypothalamic steroid receptor coactivator-2 regulates adaptations to fasting and overnutrition. <i>Cell Reports</i> , 2021, 37, 110075.	6.4	8
80	Synaptotagmin 4: A New Antiobesity Target?. <i>Neuron</i> , 2011, 69, 401-403.	8.1	7
81	Profound and rapid reduction in body temperature induced by the melanocortin receptor agonists. <i>Biochemical and Biophysical Research Communications</i> , 2014, 451, 184-189.	2.1	6
82	Notoginsenoside Fe suppresses diet induced obesity and activates paraventricular hypothalamic neurons. <i>RSC Advances</i> , 2019, 9, 1290-1298.	3.6	6
83	Corticotropin Releasing Hormone Signaling in the Bed Nuclei of the Stria Terminalis as a Link to Maladaptive Behaviors. <i>Frontiers in Neuroscience</i> , 2021, 15, 642379.	2.8	6
84	Central leptin action on euglycemia restoration in type 1 diabetes: Restraining responses normally induced by fasting?. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 88, 198-203.	2.8	5
85	Arginine reverses growth hormone resistance through the inhibition of toll-like receptor 4-mediated inflammatory pathway. <i>Metabolism: Clinical and Experimental</i> , 2018, 79, 10-23.	3.4	5
86	Oxygen Consumption Rate and Energy Expenditure in Mice: Indirect Calorimetry. <i>Methods in Molecular Biology</i> , 2017, 1566, 135-143.	0.9	4
87	Red blood cell $\beta$ -adrenergic receptors contribute to diet-induced energy expenditure by increasing O <sub>2</sub> supply. <i>JCI Insight</i> , 2017, 2, .	5.0	4
88	Current Genetic Techniques in Neural Circuit Control of Feeding and Energy Metabolism. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1090, 211-233.	1.6	2
89	Neurotransmitter Co-transmission in Brain Control of Feeding and Body Weight. , 2021, , 41-66.		1
90	Highlights From the Latest in Diabetes Research. <i>Diabetes</i> , 2013, 62, 2625-2626.	0.6	0

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91	2120. Journal of Clinical and Translational Science, 2017, 1, 1-2.	0.6	0
92	Basal Forebrain Cholinergic Signaling to Projection-Defined Cells within the Basolateral Amygdala Regulates Food Intake. SSRN Electronic Journal, 0, , .	0.4	0
93	Overexpression of Human NPY or AgRP in the Paraventricular Nucleus Increase Bodyweight in Young Rhesus Macaques. SSRN Electronic Journal, 0, , .	0.4	0
94	Overexpression of Human NPY or AgRP in the Paraventricular Nucleus Increases Feeding and Bodyweight in Young Rhesus Macaques. SSRN Electronic Journal, 0, , .	0.4	0