

G William Wong

List of Publications by Year in descending order

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83
papers

9,290
citations

94433

37
h-index

56724

83
g-index

88
all docs

88
docs citations

88
times ranked

17806
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Molecular, biochemical and functional characterizations of C1q/TNF family members: adipose-tissue-selective expression patterns, regulation by PPAR- δ agonist, cysteine-mediated oligomerizations, combinatorial associations and metabolic functions. <i>Biochemical Journal</i> , 2008, 416, 161-177.	3.7	323
3	Myonectin (CTRP15), a Novel Myokine That Links Skeletal Muscle to Systemic Lipid Homeostasis. <i>Journal of Biological Chemistry</i> , 2012, 287, 11968-11980.	3.4	294
4	Identification and characterization of CTRP9, a novel secreted glycoprotein, from adipose tissue that reduces serum glucose in mice and forms heterotrimers with adiponectin. <i>FASEB Journal</i> , 2009, 23, 241-258.	0.5	246
5	C1q/TNF-related Protein-3 (CTRP3), a Novel Adipokine That Regulates Hepatic Glucose Output. <i>Journal of Biological Chemistry</i> , 2010, 285, 39691-39701.	3.4	210
6	Metabolic function of the CTRP family of hormones. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2014, 15, 111-123.	5.7	195
7	C1q/TNF-Related Proteins, A Family of Novel Adipokines, Induce Vascular Relaxation Through the Adiponectin Receptor-1/AMPK/eNOS/Nitric Oxide Signaling Pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2616-2623.	2.4	177
8	CTRP1 Protein Enhances Fatty Acid Oxidation via AMP-activated Protein Kinase (AMPK) Activation and Acetyl-CoA Carboxylase (ACC) Inhibition. <i>Journal of Biological Chemistry</i> , 2012, 287, 1576-1587.	3.4	136
9	C1q/TNF-related Protein-12 (CTRP12), a Novel Adipokine That Improves Insulin Sensitivity and Glycemic Control in Mouse Models of Obesity and Diabetes. <i>Journal of Biological Chemistry</i> , 2012, 287, 10301-10315.	3.4	128
10	Metabolic Regulation by C1q/TNF-related Protein-13 (CTRP13). <i>Journal of Biological Chemistry</i> , 2011, 286, 15652-15665.	3.4	113
11	CTRP9 transgenic mice are protected from diet-induced obesity and metabolic dysfunction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 305, R522-R533.	1.8	106
12	Dynamic Visualization of mTORC1 Activity in Living Cells. <i>Cell Reports</i> , 2015, 10, 1767-1777.	6.4	106
13	CTRP3 attenuates diet-induced hepatic steatosis by regulating triglyceride metabolism. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, G214-G224.	3.4	105
14	C1q/Tumor Necrosis Factor-Related Protein-9 Regulates the Fate of Implanted Mesenchymal Stem Cells and Mobilizes Their Protective Effects Against Ischemic Heart Injury via Multiple Novel Signaling Pathways. <i>Circulation</i> , 2017, 136, 2162-2177.	1.6	101
15	Mouse-Human Experimental Epigenetic Analysis Unmasks Dietary Targets and Genetic Liability for Diabetic Phenotypes. <i>Cell Metabolism</i> , 2015, 21, 138-149.	16.2	98
16	Targeted deletion of C1q/TNF-related protein 9 increases food intake, decreases insulin sensitivity, and promotes hepatic steatosis in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E779-E790.	3.5	94
17	Mammalian Otolin: A Multimeric Glycoprotein Specific to the Inner Ear that Interacts with Otoconial Matrix Protein Otoconin-90 and Cerebellin-1. <i>PLoS ONE</i> , 2010, 5, e12765.	2.5	91
18	Skeletal Muscle-derived Myonectin Activates the Mammalian Target of Rapamycin (mTOR) Pathway to Suppress Autophagy in Liver. <i>Journal of Biological Chemistry</i> , 2013, 288, 36073-36082.	3.4	90

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19	Lhx1 Controls Terminal Differentiation and Circadian Function of the Suprachiasmatic Nucleus. <i>Cell Reports</i> , 2014, 7, 609-622.	6.4	88
20	Importance of Mast Cell Prss31/Transmembrane Trypsin/Trypsin- β in Lung Function and Experimental Chronic Obstructive Pulmonary Disease and Colitis. <i>Journal of Biological Chemistry</i> , 2014, 289, 18214-18227.	3.4	78
21	C1q-TNF-Related Protein-9 Promotes Cardiac Hypertrophy and Failure. <i>Circulation Research</i> , 2017, 120, 66-77.	4.5	77
22	Glucose Transporter-4 Facilitates Insulin-Stimulated Glucose Uptake in Osteoblasts. <i>Endocrinology</i> , 2016, 157, 4094-4103.	2.8	67
23	C1q/TNF-related protein 6 (CTRP6) links obesity to adipose tissue inflammation and insulin resistance. <i>Journal of Biological Chemistry</i> , 2017, 292, 14836-14850.	3.4	67
24	Single-molecule, full-length transcript sequencing provides insight into the extreme metabolism of the ruby-throated hummingbird <i>Archilochus colubris</i> . <i>GigaScience</i> , 2018, 7, 1-12.	6.4	67
25	Lower Circulating C1q/TNF-Related Protein-3 (CTRP3) Levels Are Associated with Obesity: A Cross-Sectional Study. <i>PLoS ONE</i> , 2015, 10, e0133955.	2.5	67
26	Obesity is associated with copper elevation in serum and tissues. <i>Metallomics</i> , 2019, 11, 1363-1371.	2.4	65
27	Ancient origin of mast cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 451, 314-318.	2.1	64
28	C1q/Tumor Necrosis Factor-related Protein 11 (CTRP11), a Novel Adipose Stroma-derived Regulator of Adipogenesis. <i>Journal of Biological Chemistry</i> , 2013, 288, 10214-10229.	3.4	61
29	Loss of CTRP1 disrupts glucose and lipid homeostasis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E678-E697.	3.5	59
30	C1q/TNF-related Protein 4 (CTRP4) Is a Unique Secreted Protein with Two Tandem C1q Domains That Functions in the Hypothalamus to Modulate Food Intake and Body Weight. <i>Journal of Biological Chemistry</i> , 2014, 289, 4055-4069.	3.4	56
31	Myonectin deletion promotes adipose fat storage and reduces liver steatosis. <i>FASEB Journal</i> , 2019, 33, 8666-8687.	0.5	54
32	Regulation of tissue crosstalk by skeletal muscle-derived myonectin and other myokines. <i>Adipocyte</i> , 2012, 1, 200-202.	2.8	53
33	CTRP8 and CTRP9B are novel proteins that hetero-oligomerize with C1q/TNF family members. <i>Biochemical and Biophysical Research Communications</i> , 2009, 388, 360-365.	2.1	50
34	Copper-dependent amino oxidase 3 governs selection of metabolic fuels in adipocytes. <i>PLoS Biology</i> , 2018, 16, e2006519.	5.6	48
35	A Central Role for C1q/TNF-Related Protein 13 (CTRP13) in Modulating Food Intake and Body Weight. <i>PLoS ONE</i> , 2013, 8, e62862.	2.5	47
36	CTRP3 deficiency reduces liver size and alters IL-6 and TGF β 2 levels in obese mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E332-E345.	3.5	40

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37	Spatiotemporal regulation of the GPCR activity of BAI3 by C1qL4 and Stabilin-2 controls myoblast fusion. <i>Nature Communications</i> , 2018, 9, 4470.	12.8	40
38	Immunomodulatory roles of CTRP3 in endotoxemia and metabolic stress. <i>Physiological Reports</i> , 2016, 4, e12735.	1.7	38
39	CTRP7 deletion attenuates obesity-linked glucose intolerance, adipose tissue inflammation, and hepatic stress. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 312, E309-E325.	3.5	38
40	Endopeptidase Cleavage Generates a Functionally Distinct Isoform of C1q/Tumor Necrosis Factor-related Protein-12 (CTRP12) with an Altered Oligomeric State and Signaling Specificity. <i>Journal of Biological Chemistry</i> , 2012, 287, 35804-35814.	3.4	37
41	C1q/TNF-Related Protein-9 (CTRP9) Levels Are Associated With Obesity and Decrease Following Weight Loss Surgery. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 2211-2217.	3.6	36
42	CTRP2 Overexpression Improves Insulin and Lipid Tolerance in Diet-Induced Obese Mice. <i>PLoS ONE</i> , 2014, 9, e88535.	2.5	36
43	Identification of hypothalamic neuron-derived neurotrophic factor as a novel factor modulating appetite. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R1085-R1095.	1.8	35
44	Modulation of Glucose Metabolism in Hippocampal Neurons by Adiponectin and Resistin. <i>Molecular Neurobiology</i> , 2019, 56, 3024-3037.	4.0	34
45	C1q-tumor necrosis factor-related protein 8 (<sc>CTRP8</sc>) is a novel interaction partner of relaxin receptor <sc>RXFP1</sc> in human brain cancer cells. <i>Journal of Pathology</i> , 2013, 231, 466-479.	4.5	33
46	Loss of CTRP5 improves insulin action and hepatic steatosis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E1036-E1052.	3.5	33
47	Complement 1q-like-3 protein inhibits insulin secretion from pancreatic Î²-cells via the cell adhesion G protein-coupled receptor BAI3. <i>Journal of Biological Chemistry</i> , 2018, 293, 18086-18098.	3.4	31
48	Obesity alters Ace2 and Tmprss2 expression in lung, trachea, and esophagus in a sex-dependent manner: Implications for COVID-19. <i>Biochemical and Biophysical Research Communications</i> , 2021, 538, 92-96.	2.1	30
49	Estrogen-related receptor Î² deletion modulates whole-body energy balance via estrogen-related receptor Î³ and attenuates neuropeptide Y gene expression. <i>European Journal of Neuroscience</i> , 2013, 37, 1033-1047.	2.6	29
50	Structural commonality of C1q TNF-related proteins and their potential to activate relaxin/insulin-like family peptide receptor 1 signalling pathways in cancer cells. <i>British Journal of Pharmacology</i> , 2017, 174, 1025-1033.	5.4	27
51	Thromboxane synthase deficiency improves insulin action and attenuates adipose tissue fibrosis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E792-E804.	3.5	24
52	Proteomic Analysis of the Human Anterior Pituitary Gland. <i>OMICS A Journal of Integrative Biology</i> , 2018, 22, 759-769.	2.0	23
53	Multiplex Quantification Identifies Novel Exercise-regulated Myokines/Cytokines in Plasma and in Glycolytic and Oxidative Skeletal Muscle. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1546-1563.	3.8	23
54	Cytokine, Chemokine, and Cytokine Receptor Changes Are Associated With Metabolic Improvements After Bariatric Surgery. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 947-956.	3.6	23

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55	Loss of CTRP4 alters adiposity and food intake behaviors in obese mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E1084-E1100.	3.5	22
56	Partial deficiency of CTRP12 alters hepatic lipid metabolism. <i>Physiological Genomics</i> , 2016, 48, 936-949.	2.3	21
57	FAM19A1, a brain-enriched and metabolically responsive neurokinin, regulates food intake patterns and mouse behaviors. <i>FASEB Journal</i> , 2019, 33, 14734-14747.	0.5	20
58	C1q/TNF-related protein 2 (CTRP2) deletion promotes adipose tissue lipolysis and hepatic triglyceride secretion. <i>Journal of Biological Chemistry</i> , 2019, 294, 15638-15649.	3.4	20
59	Muscle regulates mTOR dependent axonal local translation in motor neurons via CTRP3 secretion: implications for a neuromuscular disorder, spinal muscular atrophy. <i>Acta Neuropathologica Communications</i> , 2019, 7, 154.	5.2	18
60	RXFP1 is Targeted by Complement C1q Tumor Necrosis Factor-Related Factor 8 in Brain Cancer. <i>Frontiers in Endocrinology</i> , 2015, 6, 127.	3.5	16
61	Inhibition of phosphodiesterase type 9 reduces obesity and cardiometabolic syndrome in mice. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	16
62	Dynamic and extensive metabolic state-dependent regulation of cytokine expression and circulating levels. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R1458-R1470.	1.8	15
63	CTRP12 ablation differentially affects energy expenditure, body weight, and insulin sensitivity in male and female mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E146-E162.	3.5	15
64	Experimental Arthritis Is Dependent on Mouse Mast Cell Protease-5. <i>Journal of Biological Chemistry</i> , 2017, 292, 5392-5404.	3.4	13
65	FAM19A (TAFA): An Emerging Family of Neurokinins with Diverse Functions in the Central and Peripheral Nervous System. <i>ACS Chemical Neuroscience</i> , 2021, 12, 945-958.	3.5	13
66	Seasonal oscillation of liver-derived hibernation protein complex in the central nervous system of non-hibernating mammals. <i>Journal of Experimental Biology</i> , 2014, 217, 2667-2679.	1.7	10
67	Neurometabolic roles of ApoE and Ldl-R in mouse brain. <i>Journal of Bioenergetics and Biomembranes</i> , 2016, 48, 13-21.	2.3	9
68	CTRP3 Regulates Endochondral Ossification and Bone Remodeling During Fracture Healing. <i>Journal of Orthopaedic Research</i> , 2020, 38, 996-1006.	2.3	9
69	CTRP12 inhibits triglyceride synthesis and export in hepatocytes by suppressing HNF4 α and DGAT2 expression. <i>FEBS Letters</i> , 2020, 594, 3227-3239.	2.8	9
70	CTRP6 rapidly responds to acute nutritional changes, regulating adipose tissue expansion and inflammation in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 321, E702-E713.	3.5	9
71	Protein Modifications Critical for Myonectin/Erythroferrone Secretion and Oligomer Assembly. <i>Biochemistry</i> , 2020, 59, 2684-2697.	2.5	8
72	CTRP4 ablation impairs associative learning and memory. <i>FASEB Journal</i> , 2021, 35, e21910.	0.5	7

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73	Glucose Transporter Expression and Regulation Following a Fast in the Ruby-throated Hummingbird, <i>Archilochus colubris</i> . <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	6
74	Late-onset renal hypertrophy and dysfunction in mice lacking CTRP1. <i>FASEB Journal</i> , 2020, 34, 2657-2676.	0.5	6
75	CTRP14 inactivation alters physical activity and food intake response to fasting and refeeding. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 322, E480-E493.	3.5	6
76	CTRP11 contributes modestly to systemic metabolism and energy balance. <i>FASEB Journal</i> , 2022, 36, e22347.	0.5	6
77	Altered adipokines in obese adolescents: a cross-sectional and longitudinal analysis across the spectrum of glycemia. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E1044-E1052.	3.5	5
78	PRADC1: a novel metabolic-responsive secretory protein that modulates physical activity and adiposity. <i>FASEB Journal</i> , 2019, 33, 14748-14759.	0.5	4
79	Adaptation of fuel selection to acute decrease in voluntary energy expenditure is governed by dietary macronutrient composition in mice. <i>Physiological Reports</i> , 2021, 9, e15044.	1.7	4
80	Aging and chronic high-fat feeding negatively affect kidney size, function, and gene expression in CTRP1-deficient mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R19-R35.	1.8	3
81	Novel Adipokines CTRP1, CTRP9, and FGF21 in Pediatric Type 1 and Type 2 Diabetes: A Cross-Sectional Analysis. <i>Hormone Research in Paediatrics</i> , 2022, 95, 43-50.	1.8	2
82	Renal glucose transporters "sweeten" the pot. <i>Experimental Physiology</i> , 2016, 101, 693-694.	2.0	1
83	N-Linked Glycosylation-Dependent and -Independent Mechanisms Regulating CTRP12 Cleavage, Secretion, and Stability. <i>Biochemistry</i> , 2019, 58, 727-741.	2.5	1