

Gary J Schwartz

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

3,215
citations

257450

24
h-index

302126

39
g-index

55
all docs

55
docs citations

55
times ranked

5349
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypothalamic KATP channels control hepatic glucose production. <i>Nature</i> , 2005, 434, 1026-1031.	27.8	569
2	A brain-liver circuit regulates glucose homeostasis. <i>Cell Metabolism</i> , 2005, 1, 53-61.	16.2	341
3	The Lipid Messenger OEA Links Dietary Fat Intake to Satiety. <i>Cell Metabolism</i> , 2008, 8, 281-288.	16.2	321
4	The role of gastrointestinal vagal afferents in the control of food intake: current prospects. <i>Nutrition</i> , 2000, 16, 866-873.	2.4	240
5	Autophagy in the CNS and Periphery Coordinate Lipophagy and Lipolysis in the Brown Adipose Tissue and Liver. <i>Cell Metabolism</i> , 2016, 23, 113-127.	16.2	230
6	Central action of FGF19 reduces hypothalamic AGRP/NPY neuron activity and improves glucose metabolism. <i>Molecular Metabolism</i> , 2014, 3, 19-28.	6.5	128
7	Autophagy Regulates the Liver Clock and Glucose Metabolism by Degrading CRY1. <i>Cell Metabolism</i> , 2018, 28, 268-281.e4.	16.2	124
8	System-wide Benefits of Intermeal Fasting by Autophagy. <i>Cell Metabolism</i> , 2017, 26, 856-871.e5.	16.2	104
9	A peripheral endocannabinoid mechanism contributes to glucocorticoid-mediated metabolic syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 285-290.	7.1	99
10	A neural circuit mechanism for mechanosensory feedback control of ingestion. <i>Nature</i> , 2020, 580, 376-380.	27.8	87
11	Integrative capacity of the caudal brainstem in the control of food intake. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006, 361, 1275-1280.	4.0	76
12	Prenatal Polycyclic Aromatic Hydrocarbon, Adiposity, Peroxisome Proliferator-Activated Receptor (PPAR) β Methylation in Offspring, Grand-Offspring Mice. <i>PLoS ONE</i> , 2014, 9, e110706.	2.5	75
13	Striatal Dopamine Links Gastrointestinal Rerouting to Altered Sweet Appetite. <i>Cell Metabolism</i> , 2016, 23, 103-112.	16.2	72
14	Cholinergic Signals from the CNS Regulate G-CSF-Mediated HSC Mobilization from Bone Marrow via a Glucocorticoid Signaling Relay. <i>Cell Stem Cell</i> , 2017, 20, 648-658.e4.	11.1	68
15	Activation of temperature-sensitive TRPV1-like receptors in ARC POMC neurons reduces food intake. <i>PLoS Biology</i> , 2018, 16, e2004399.	5.6	66
16	Lipolysis sensation by white fat afferent nerves triggers brown fat thermogenesis. <i>Molecular Metabolism</i> , 2016, 5, 626-634.	6.5	64
17	A gut-brain axis regulating glucose metabolism mediated by bile acids and competitive fibroblast growth factor actions at the hypothalamus. <i>Molecular Metabolism</i> , 2018, 8, 37-50.	6.5	61
18	New roles for dopamine D2 and D3 receptors in pancreatic beta cell insulin secretion. <i>Molecular Psychiatry</i> , 2020, 25, 2070-2085.	7.9	55

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19	Functional Organization of Neuronal and Humoral Signals Regulating Feeding Behavior. Annual Review of Nutrition, 2013, 33, 1-21.	10.1	53
20	Cholinergic neurons in the dorsomedial hypothalamus regulate mouse brown adipose tissue metabolism. Molecular Metabolism, 2015, 4, 483-492.	6.5	50
21	Intracerebroventricular Leptin Infusion Improves Glucose Homeostasis in Lean Type 2 Diabetic MKR Mice via Hepatic Vagal and Non-Vagal Mechanisms. PLoS ONE, 2011, 6, e17058.	2.5	35
22	Gut fat sensing in the negative feedback control of energy balance – Recent advances. Physiology and Behavior, 2011, 104, 621-623.	2.1	35
23	Re-patterning of Skeletal Muscle Energy Metabolism by Fat Storage-inducing Transmembrane Protein 2. Journal of Biological Chemistry, 2011, 286, 42188-42199.	3.4	28
24	Gut-brain nutrient sensing in food reward. Appetite, 2018, 122, 32-35.	3.7	28
25	Adipose tissue-derived neurotrophic factor 3 regulates sympathetic innervation and thermogenesis in adipose tissue. Nature Communications, 2021, 12, 5362.	12.8	27
26	Optogenetic stimulation of the liver-projecting melanocortineric pathway promotes hepatic glucose production. Nature Communications, 2020, 11, 6295.	12.8	26
27	A direct tissue-grafting approach to increasing endogenous brown fat. Scientific Reports, 2018, 8, 7957.	3.3	22
28	Roles for gut vagal sensory signals in determining energy availability and energy expenditure. Brain Research, 2018, 1693, 151-153.	2.2	21
29	Cyclin-dependent kinase 4 is a preclinical target for diet-induced obesity. JCI Insight, 2018, 3, .	5.0	18
30	New melanocortin-like peptide of E. coli can suppress inflammation via the mammalian melanocortin-1 receptor (MCR1): possible endocrine-like function for microbes of the gut. Npj Biofilms and Microbiomes, 2017, 3, 31.	6.4	17
31	Beneficial metabolic role of β -arrestin-1 expressed by AgRP neurons. Science Advances, 2020, 6, eaaz1341.	10.3	17
32	Genetic control of ATGL-mediated lipolysis modulates adipose triglyceride stores in leptin-deficient mice. Journal of Lipid Research, 2012, 53, 964-972.	4.2	12
33	Oleylethanolamide differentially regulates glycerolipid synthesis and lipoprotein secretion in intestine and liver. Journal of Lipid Research, 2018, 59, 2349-2359.	4.2	11
34	Mapping and targeted viral activation of pancreatic nerves in mice reveal their roles in the regulation of glucose metabolism. Nature Biomedical Engineering, 2022, 6, 1298-1316.	22.5	10
35	The response to prolonged fasting in hypothalamic serotonin transporter availability is blunted in obesity. Metabolism: Clinical and Experimental, 2021, 123, 154839.	3.4	8
36	Roles for central leptin receptors in the control of meal size. Appetite, 2013, 71, 466-469.	3.7	7

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37	A satiating signal. <i>Science</i> , 2016, 351, 1268-1269.	12.6	4
38	Cyclin-dependent kinase 4/6 inhibitors require an arcuate-to-paraventricular hypothalamus melanocortin circuit to treat diet-induced obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E467-E474.	3.5	2
39	Sex-specific differences in metabolic outcomes after sleeve gastrectomy and intermittent fasting in obese middle-aged mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 323, E107-E121.	3.5	2
40	Dirty dealing: Hepatic vagal afferents reshuffle fat distribution. <i>Cell Metabolism</i> , 2006, 4, 103-105.	16.2	1
41	Randall Sakai, chronic social stress, and the research tradition of Curt Richter. <i>Physiology and Behavior</i> , 2017, 178, 2-6.	2.1	0
42	Muscarinic Receptor Type-1 Regulates Centrally Hematopoietic Stem Cell Mobilization By Granulocyte-Colony Stimulating Factor Via the Hypothalamic-Pituitary Axis. <i>Blood</i> , 2015, 126, 898-898.	1.4	0
43	Mapping and specific viral targeting of peripheral pancreatic innervation. <i>FASEB Journal</i> , 2022, 36, .	0.5	0