

Wolfgang Langhans

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

3,638
citations

117571

34
h-index

143943

57
g-index

88
all docs

88
docs citations

88
times ranked

4157
citing authors

#	ARTICLE	IF	CITATIONS
1	The physiological control of eating: signals, neurons, and networks. <i>Physiological Reviews</i> , 2022, 102, 689-813.	13.1	60
2	Vagal afferent cholecystokinin receptor activation is required for glucagon-like peptide-1-induced satiation. <i>Diabetes, Obesity and Metabolism</i> , 2022, 24, 268-280.	2.2	11
3	The Medullary Targets of Neurally Conveyed Sensory Information from the Rat Hepatic Portal and Superior Mesenteric Veins. <i>ENeuro</i> , 2021, 8, ENEURO.0419-20.2021.	0.9	12
4	Dysfunctional Eating Behaviour and Leptin in Middle-Aged Women: Role of Menopause and a History of Anorexia Nervosa. <i>International Journal of Behavioral Medicine</i> , 2021, 28, 641-646.	0.8	1
5	Challenges in tackling energy expenditure as obesity therapy: From preclinical models to clinical application. <i>Molecular Metabolism</i> , 2021, 51, 101237.	3.0	27
6	Central and peripheral GLP-1 systems independently suppress eating. <i>Nature Metabolism</i> , 2021, 3, 258-273.	5.1	107
7	Blunted Vagal Cocaine- and Amphetamine-Regulated Transcript Promotes Hyperphagia and Weight Gain. <i>Cell Reports</i> , 2020, 30, 2028-2039.e4.	2.9	23
8	Editors'™ Picks for 2018 demonstrate the diversity of research in regulatory, integrative, and comparative physiology. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R143-R146.	0.9	0
9	Abdominal vagal deafferentation alters affective behaviors in rats. <i>Journal of Affective Disorders</i> , 2019, 252, 404-412.	2.0	13
10	Serendipity and spontaneity – Critical components in 40 years of academia. <i>Physiology and Behavior</i> , 2019, 204, 76-85.	1.0	0
11	Roux-en-Y gastric bypass surgery reprograms enterocyte triglyceride metabolism and postprandial secretion in rats. <i>Molecular Metabolism</i> , 2019, 23, 51-59.	3.0	12
12	A Rat Model of Human Lipid Emulsion Digestion. <i>Frontiers in Nutrition</i> , 2019, 6, 170.	1.6	7
13	Novel role of GLP-1 receptor signaling in energy expenditure during chronic high fat diet feeding in rats. <i>Physiology and Behavior</i> , 2018, 192, 194-199.	1.0	15
14	Oleoylethanolamide-induced anorexia in rats is associated with locomotor impairment. <i>Physiological Reports</i> , 2018, 6, e13517.	0.7	7
15	Abdominal Vagal Afferents Modulate the Brain Transcriptome and Behaviors Relevant to Schizophrenia. <i>Journal of Neuroscience</i> , 2018, 38, 1634-1647.	1.7	28
16	Loss of dorsomedial hypothalamic GLP-1 signaling reduces BAT thermogenesis and increases adiposity. <i>Molecular Metabolism</i> , 2018, 11, 33-46.	3.0	66
17	Food Components in Health Promotion and Disease Prevention. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 2287-2294.	2.4	26
18	Glucagon-like peptide-1 regulates brown adipose tissue thermogenesis via the gut-brain axis in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R708-R720.	0.9	39

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19	Intestinal lymph as a readout of meal-induced GLP-1 release in an unrestrained rat model. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 314, R724-R733.	0.9	10
20	Reciprocal Interactions Between Gut Microbiota and Host Social Behavior. <i>Frontiers in Integrative Neuroscience</i> , 2018, 12, 21.	1.0	59
21	Enhancing enterocyte fatty acid oxidation in mice affects glycemic control depending on dietary fat. <i>Scientific Reports</i> , 2018, 8, 10818.	1.6	16
22	New horizons for future research – Critical issues to consider for maximizing research excellence and impact. <i>Molecular Metabolism</i> , 2018, 14, 53-59.	3.0	3
23	Aldosterone deficiency in mice burdens respiration and accentuates diet-induced hyperinsulinemia and obesity. <i>JCI Insight</i> , 2018, 3, .	2.3	10
24	Metabolic Adaptation of the Small Intestine to Short- and Medium-Term High-Fat Diet Exposure. <i>Journal of Cellular Physiology</i> , 2017, 232, 167-175.	2.0	37
25	Cognitive effects of subdiaphragmatic vagal deafferentation in rats. <i>Neurobiology of Learning and Memory</i> , 2017, 142, 190-199.	1.0	19
26	Iron phosphate nanoparticles for food fortification: Biological effects in rats and human cell lines. <i>Nanotoxicology</i> , 2017, 11, 496-506.	1.6	36
27	Intestinal SIRT3 overexpression in mice improves whole body glucose homeostasis independent of body weight. <i>Molecular Metabolism</i> , 2017, 6, 1264-1273.	3.0	18
28	A case-control field study on the relationships among type 2 diabetes, sleepiness and habitual caffeine intake. <i>Journal of Psychopharmacology</i> , 2017, 31, 233-242.	2.0	11
29	Knockdown of GLP-1 Receptors in Vagal Afferents Affects Normal Food Intake and Glycemia. <i>Diabetes</i> , 2016, 65, 34-43.	0.3	178
30	Dietary thylakoids reduce visceral fat mass and increase expression of genes involved in intestinal fatty acid oxidation in high-fat fed rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R618-R627.	0.9	6
31	Limiting glucocorticoid secretion increases the anorexigenic property of Exendin-4. <i>Molecular Metabolism</i> , 2016, 5, 552-565.	3.0	19
32	Immunity-Based Evolutionary Interpretation of Diet-Induced Thermogenesis. <i>Cell Metabolism</i> , 2016, 23, 971-979.	7.2	14
33	Oleic acid stimulates glucagon-like peptide-1 release from enteroendocrine cells by modulating cell respiration and glycolysis. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 8-17.	1.5	22
34	Nutrient-Induced Metabolism Dictates Intestinal Epithelial Crypt Proliferation. <i>FASEB Journal</i> , 2016, 30, 1b695.	0.2	1
35	Inconsistencies in the hypophagic action of intracerebroventricular insulin in mice. <i>Physiology and Behavior</i> , 2015, 151, 623-628.	1.0	8
36	Vagal mediation of GLP-1's effects on food intake and glycemia. <i>Physiology and Behavior</i> , 2015, 152, 372-380.	1.0	35

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37	Enhancing hepatic mitochondrial fatty acid oxidation stimulates eating in food-deprived mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 308, R131-R137.	0.9	5
38	Long-term pathological consequences of prenatal infection: beyond brain disorders. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R1-R12.	0.9	68
39	A novel fat connection from gut to brain. <i>Journal of Physiology</i> , 2015, 593, 1757-1758.	1.3	0
40	PYY3-36: Beyond food intake. <i>Frontiers in Neuroendocrinology</i> , 2015, 38, 1-11.	2.5	40
41	Vagal afferents are not necessary for the satiety effect of the gut lipid messenger oleoylethanolamide. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R167-R178.	0.9	35
42	Circulating Glucagon-like Peptide-1 (GLP-1) Inhibits Eating in Male Rats by Acting in the Hindbrain and Without Inducing Avoidance. <i>Endocrinology</i> , 2014, 155, 1690-1699.	1.4	47
43	Gut Vagal Afferents Differentially Modulate Innate Anxiety and Learned Fear. <i>Journal of Neuroscience</i> , 2014, 34, 7067-7076.	1.7	118
44	Chronic high fat diet consumption impairs sensorimotor gating in mice. <i>Psychoneuroendocrinology</i> , 2013, 38, 2562-2574.	1.3	38
45	Administration of the Y2 Receptor Agonist PYY3-36 in Mice Induces Multiple Behavioral Changes Relevant to Schizophrenia. <i>Neuropsychopharmacology</i> , 2013, 38, 2446-2455.	2.8	29
46	Priming of Metabolic Dysfunctions by Prenatal Immune Activation in Mice: Relevance to Schizophrenia. <i>Schizophrenia Bulletin</i> , 2013, 39, 319-329.	2.3	50
47	Diacylglycerol acyltransferase-1 inhibition enhances intestinal fatty acid oxidation and reduces energy intake in rats. <i>Journal of Lipid Research</i> , 2013, 54, 1369-1384.	2.0	41
48	Possible Role of Intestinal Fatty Acid Oxidation in the Eating-Inhibitory Effect of the PPAR- α Agonist Wy-14643 in High-Fat Diet Fed Rats. <i>PLoS ONE</i> , 2013, 8, e74869.	1.1	46
49	Inconsistencies in the assessment of food intake. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E1408-E1418.	1.8	37
50	Meal-contingent intestinal lymph sampling from awake, unrestrained rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 302, R1365-R1371.	0.9	15
51	The effect of TNF- α on food intake and central insulin sensitivity in rats. <i>Physiology and Behavior</i> , 2011, 103, 17-20.	1.0	11
52	Intragastric infusion of pea-protein hydrolysate reduces test-meal size in rats more than pea protein. <i>Physiology and Behavior</i> , 2011, 104, 1041-1047.	1.0	7
53	Dietary fat sensing via fatty acid oxidation in enterocytes: possible role in the control of eating. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R554-R565.	0.9	55
54	Serotonin 2C receptor signaling in a diffuse neuronal network is necessary for LPS anorexia. <i>Brain Research</i> , 2010, 1306, 77-84.	1.1	12

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55	Overview of the Physiological Control of Eating. Forum of Nutrition, 2010, 63, 9-53.	3.7	37
56	A new look on brain mechanisms of acute illness anorexia. Physiology and Behavior, 2010, 100, 464-471.	1.0	36
57	Effects of anesthesia and blood sampling techniques on plasma metabolites and corticosterone in the rat. Physiology and Behavior, 2010, 99, 592-598.	1.0	58
58	The Enterocyte as an Energy Flow Sensor in the Control of Eating. Forum of Nutrition, 2010, 63, 75-84.	3.7	11
59	Intrameal Hepatic Portal and Intraperitoneal Infusions of Glucagon-Like Peptide-1 Reduce Spontaneous Meal Size in the Rat via Different Mechanisms. Endocrinology, 2009, 150, 1174-1181.	1.4	231
60	Control of eating by hepatic oxidation of fatty acids. A note of caution. Author's Reply. Appetite, 2009, 53, 274-276.	1.8	2
61	Acute effects of pharmacological modifications of fatty acid metabolism on human satiety. British Journal of Nutrition, 2009, 101, 1867-1877.	1.2	22
62	Dissociation of mercaptoacetate's effects on feeding and fat metabolism by dietary medium- and long-chain triacylglycerols in rats. Nutrition, 2008, 24, 360-365.	1.1	13
63	Fatty acid oxidation in the energostatic control of eating – A new idea. Appetite, 2008, 51, 446-451.	1.8	35
64	Intraperitoneal injections of low doses of C75 elicit a behaviorally specific and vagal afferent-independent inhibition of eating in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R799-R805.	0.9	12
65	Signals generating anorexia during acute illness. Proceedings of the Nutrition Society, 2007, 66, 321-330.	0.4	71
66	Vagal afferents mediate the feeding response to mercaptoacetate but not to the beta (3) adrenergic receptor agonist CL 316,243. Neuroscience Letters, 2007, 411, 104-107.	1.0	25
67	Pharmacological, but not genetic, disruptions in 5-HT _{2C} receptor function attenuate LPS anorexia in mice. Pharmacology Biochemistry and Behavior, 2007, 86, 493-498.	1.3	13
68	Caprylic acid infusion acts in the liver to decrease food intake in rats. Physiology and Behavior, 2006, 87, 388-395.	1.0	18
69	Mercaptoacetate fails to block the feeding-inhibitory effect of the β ₃ -adrenergic receptor agonist CGP 12177A. Physiology and Behavior, 2006, 89, 128-132.	1.0	6
70	Hepatic-portal oleic acid inhibits feeding more potently than hepatic-portal caprylic acid in rats. Physiology and Behavior, 2006, 89, 329-334.	1.0	15
71	Beta-adrenergic-mediated inhibition of feeding by mercaptoacetate in food-deprived rats. Pharmacology Biochemistry and Behavior, 2006, 85, 722-727.	1.3	11
72	Pancreatic signals controlling food intake; insulin, glucagon and amylin. Philosophical Transactions of the Royal Society B: Biological Sciences, 2006, 361, 1219-1235.	1.8	203

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73	Gut Vagal Afferents Are Not Necessary for the Eating-Stimulatory Effect of Intraperitoneally Injected Ghrelin in the Rat. <i>Journal of Neuroscience</i> , 2006, 26, 11052-11060.	1.7	209
74	Estradiol-mediated increases in the anorexia induced by intraperitoneal injection of bacterial lipopolysaccharide in female rats. <i>Physiology and Behavior</i> , 2004, 82, 251-261.	1.0	30
75	Fatty acid oxidation and control of food intake. <i>Physiology and Behavior</i> , 2004, 83, 645-651.	1.0	84
76	Evidence that the anorexia induced by lipopolysaccharide is mediated by the 5-HT _{2C} receptor. <i>Pharmacology Biochemistry and Behavior</i> , 2003, 74, 505-512.	1.3	34
77	Evidence for a role of the 5-HT _{2C} receptor in central lipopolysaccharide-, interleukin-1 β -, and leptin-induced anorexia. <i>Pharmacology Biochemistry and Behavior</i> , 2003, 74, 1025-1031.	1.3	52
78	Pro-inflammatory and anti-inflammatory cytokine mRNA induction in the periphery and brain following intraperitoneal administration of bacterial lipopolysaccharide. <i>Brain Research Bulletin</i> , 2001, 54, 443-453.	1.4	215
79	Cognitive performance and its relationship with postprandial metabolic changes after ingestion of different macronutrients in the morning. <i>British Journal of Nutrition</i> , 2001, 85, 393-405.	1.2	69
80	Anorexia of infection: current prospects. <i>Nutrition</i> , 2000, 16, 996-1005.	1.1	152
81	Role of rumen fluid hypertonicity in the dehydration-induced hypophagia of cows. <i>Physiology and Behavior</i> , 2000, 71, 423-430.	1.0	9
82	Suppression of hepatic fatty acid oxidation and food intake in men. <i>Nutrition</i> , 1999, 15, 819-828.	1.1	86
83	Effect of Water Deprivation on Eating Patterns of Lactating Cows Fed Grass and Corn Pellets Ad Lib. <i>Physiology and Behavior</i> , 1996, 60, 1413-1418.	1.0	26
84	Metabolic and glucostatic control of feeding. <i>Proceedings of the Nutrition Society</i> , 1996, 55, 497-515.	0.4	67
85	Role of the liver in the metabolic control of eating: What we know and what we do not know. <i>Neuroscience and Biobehavioral Reviews</i> , 1996, 20, 145-153.	2.9	66
86	Does a learned taste aversion contribute to the anorectic effect of bacterial lipopolysaccharide?. <i>Physiology and Behavior</i> , 1993, 54, 961-966.	1.0	32
87	Verapamil and indomethacin attenuate endotoxin-induced anorexia. <i>Physiology and Behavior</i> , 1989, 46, 535-539.	1.0	72