

Dorothy W Gietzen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

1,723

citations

24

h-index

39

g-index

62

ext. papers

1,815

ext. citations

4.9

avg, IF

4.31

L-index

#	Paper	IF	Citations
62	Brain Signaling of Indispensable Amino Acid Deficiency.. <i>Journal of Clinical Medicine</i> , 2021 , 11,	5.1	1
61	Indispensable Amino Acid-Deficient Diets Induce Seizures in Ketogenic Diet-Fed Rodents, Demonstrating a Role for Amino Acid Balance in Dietary Treatments for Epilepsy. <i>Journal of Nutrition</i> , 2018 , 148, 480-489	4.1	9
60	Measuring the Ability of Mice to Sense Dietary Essential Amino Acid Deficiency: The Importance of Amino Acid Status and Timing. <i>Cell Reports</i> , 2016 , 16, 2049-2050	10.6	8
59	Effects of essential amino acid deficiency: down-regulation of KCC2 and the GABAA receptor; disinhibition in the anterior piriform cortex. <i>Journal of Neurochemistry</i> , 2013 , 127, 520-30	6	4
58	Detection of amino acid deprivation in the central nervous system. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2013 , 16, 96-101	3.8	36
57	The brain's response to an essential amino acid-deficient diet and the circuitous route to a better meal. <i>Molecular Neurobiology</i> , 2012 , 46, 332-48	6.2	27
56	The anterior piriform cortex is sufficient for detecting depletion of an indispensable amino acid, showing independent cortical sensory function. <i>Journal of Neuroscience</i> , 2011 , 31, 1583-90	6.6	34
55	Mechanisms of food intake repression in indispensable amino acid deficiency. <i>Annual Review of Nutrition</i> , 2007 , 27, 63-78	9.9	102
54	Co-localization of phosphorylated extracellular signal-regulated protein kinases 1/2 (ERK1/2) and phosphorylated eukaryotic initiation factor 2alpha (eIF2alpha) in response to a threonine-devoid diet. <i>Journal of Comparative Neurology</i> , 2006 , 494, 485-94	3.4	13
53	Nutritional homeostasis and indispensable amino acid sensing: a new solution to an old puzzle. <i>Trends in Neurosciences</i> , 2006 , 29, 91-9	13.3	50
52	Nutrients, Stress, and Medical Disorders. <i>American Journal of Clinical Nutrition</i> , 2006 , 84, 951-951	7	
51	Autonomic efferents affect intake of imbalanced amino acid diets by rats. <i>Pharmacology Biochemistry and Behavior</i> , 2005 , 81, 24-31	3.9	7
50	Fos-positive neurons are increased in the nucleus of the solitary tract and decreased in the ventromedial hypothalamus and amygdala by a high-protein diet in rats. <i>Journal of Nutrition</i> , 2005 , 135, 1486-90	4.1	25
49	Uncharged tRNA and sensing of amino acid deficiency in mammalian piriform cortex. <i>Science</i> , 2005 , 307, 1776-8	33.3	257
48	Diets deficient in indispensable amino acids rapidly decrease the concentration of the limiting amino acid in the anterior piriform cortex of rats. <i>Journal of Nutrition</i> , 2004 , 134, 2365-71	4.1	27
47	NMDA receptor function within the anterior piriform cortex and lateral hypothalamus in rats on the control of intake of amino acid-deficient diets. <i>Brain Research</i> , 2004 , 1019, 124-33	3.7	19
46	Threonine-imbalanced diet alters first-meal microstructure in rats. <i>Physiology and Behavior</i> , 2004 , 81, 15-21	3.5	10

45	Phosphorylation of eIF2alpha is involved in the signaling of indispensable amino acid deficiency in the anterior piriform cortex of the brain in rats. <i>Journal of Nutrition</i> , 2004 , 134, 717-23	4.1	48
44	The rapid anorectic response to a threonine imbalanced diet is decreased by injection of threonine into the anterior piriform cortex of rats. <i>Nutritional Neuroscience</i> , 2003 , 6, 247-51	3.6	24
43	Effects of amino acid deficiency on monoamines in the lateral hypothalamus (LH) in rats. <i>Nutritional Neuroscience</i> , 2003 , 6, 291-9	3.6	18
42	Threonine deprivation rapidly activates the system A amino acid transporter in primary cultures of rat neurons from the essential amino acid sensor in the anterior piriform cortex. <i>Journal of Nutrition</i> , 2003 , 133, 2156-64	4.1	16
41	Rats rapidly reject diets deficient in essential amino acids. <i>Journal of Nutrition</i> , 2003 , 133, 2331-5	4.1	61
40	GABA(A) and GABA(B) receptors in the anterior piriform cortex modulate feeding in rats. <i>Brain Research</i> , 2002 , 924, 1-9	3.7	19
39	Transfer ribonucleic acid charging in rat brain after consumption of amino acid-imbalanced diets. <i>Nutritional Neuroscience</i> , 2002 , 5, 125-30	3.6	10
38	Role of MAP kinase in signaling indispensable amino acid deficiency in the brain. <i>Molecular Brain Research</i> , 2002 , 105, 11-8		21
37	Molecular mechanisms in the brain involved in the anorexia of branched-chain amino acid deficiency. <i>Journal of Nutrition</i> , 2001 , 131, 851S-855S	4.1	46
36	Effects of threonine injections in the lateral hypothalamus on intake of amino acid imbalanced diets in rats. <i>Brain Research</i> , 2000 , 879, 65-72	3.7	16
35	Differential effects of selective vagotomy and tropisetron in aminoprivic feeding. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000 , 279, R997-R1009	3.2	12
34	Effects of dorsomedial hypothalamic nuclei lesions on intake of an imbalanced amino acid diet. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999 , 277, R250-62	3.2	3
33	Increased intracellular calcium in rat anterior piriform cortex in response to threonine after threonine deprivation. <i>Journal of Neurophysiology</i> , 1999 , 81, 1147-9	3.2	9
32	Essential amino acids affect interstitial dopamine metabolites in the anterior piriform cortex of rats. <i>Journal of Nutrition</i> , 1999 , 129, 1742-5	4.1	8
31	Essential amino acid deficiency enhances long-term intake but not short-term licking of the required nutrient. <i>Journal of Nutrition</i> , 1999 , 129, 1604-12	4.1	32
30	Serotonergic blockade in the treatment of the cancer anorexia-cachexia syndrome. <i>Cancer</i> , 1999 , 86, 684-688	6.4	33
29	Inhibition of norepinephrine release in the rat ventromedial hypothalamic nucleus in essential amino acid deficiency. <i>Neuroscience Letters</i> , 1999 , 259, 53-5	3.3	9
28	Lysine deficiency alters diet selection without depressing food intake in rats. <i>Journal of Nutrition</i> , 1999 , 129, 424-30	4.1	21

27	Leptin in the Anterior Piriform Cortex Affects Food Intake in Rats. <i>Nutritional Neuroscience</i> , 1999 , 2, 357-368		5
26	Dorsomedial hypothalamic lesions alter intake of an imbalanced amino acid diet in rats. <i>Journal of Nutrition</i> , 1998 , 128, 1213-7	4.1	13
25	Dietary excess of vitamin B-6 affects the concentrations of amino acids in the caudate nucleus and serum and the binding properties of serotonin receptors in the brain cortex of rats. <i>Journal of Nutrition</i> , 1998 , 128, 1829-35	4.1	4
24	Lean (Fa/Fa) but not obese (fa/fa) Zucker rats release cholecystokinin at PVN after a gavaged meal. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998 , 275, E1-5	6	5
23	Neurochemical changes after imbalanced diets suggest a brain circuit mediating anorectic responses to amino acid deficiency in rats. <i>Journal of Nutrition</i> , 1998 , 128, 771-81	4.1	61
22	Aversion-preference patterns in amino acid- or protein-deficient rats: a comparison with previously reported responses to thiamin-deficient diets. <i>British Journal of Nutrition</i> , 1997 , 77, 299-314	3.6	22
21	Small changes in essential amino acid concentrations alter diet selection in amino acid-deficient rats. <i>Journal of Nutrition</i> , 1997 , 127, 777-84	4.1	31
20	Alpha 2 noradrenoceptors in the anterior piriform cortex decline with acute amino acid deficiency. <i>Molecular Brain Research</i> , 1996 , 35, 41-6		7
19	Temporal-spatial pattern of c-fos expression in the rat brain in response to indispensable amino acid deficiency. I. The initial recognition phase. <i>Molecular Brain Research</i> , 1996 , 40, 27-34		34
18	Temporal-spatial pattern of c-Fos expression in the rat brain in response to indispensable amino acid deficiency. II. The learned taste aversion. <i>Molecular Brain Research</i> , 1996 , 40, 35-41		18
17	Meal patterns reveal differential effects of vagotomy and tropisetron on responses to indispensable amino acid deficiency in rats. <i>Journal of Nutrition</i> , 1996 , 126, 1722-31	4.1	11
16	Behavioral and neurochemical changes in folate-deficient mice. <i>Physiology and Behavior</i> , 1995 , 58, 935-41	3.5	41
15	Anorectic response to amino acid imbalance: a selective serotonin ₃ effect?. <i>Pharmacology Biochemistry and Behavior</i> , 1994 , 47, 59-63	3.9	21
14	Neural mechanisms in the responses to amino acid deficiency. <i>Journal of Nutrition</i> , 1993 , 123, 610-25	4.1	117
13	Learned preference and aversion for complete and isoleucine-devoid diets in rats. <i>Physiology and Behavior</i> , 1993 , 53, 485-94	3.5	26
12	Timing and dose of amino acids injected into prepyriform cortex influence food intake. <i>Physiology and Behavior</i> , 1993 , 53, 899-903	3.5	19
11	Amino acids and serotonin in <i>Limax maximum</i> after a tryptophan devoid diet. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1992 , 101, 143-9		6
10	Learned preference for the limiting amino acid in rats fed a threonine-deficient diet. <i>Physiology and Behavior</i> , 1992 , 51, 909-14	3.5	30

9	ICS 205-930 and feeding responses to amino acid imbalance: a peripheral effect?. <i>Pharmacology Biochemistry and Behavior</i> , 1991 , 40, 83-7	3.9	14
8	Amino acid imbalance, a nutritional model: serotonin ₃ mediation of aversive responses. <i>Physiology and Behavior</i> , 1991 , 49, 981-5	3.5	13
7	Threonine concentration in the prepyriform cortex has separate effects on dietary selection and intake of a threonine-imbalanced diet by rats. <i>Journal of Nutrition</i> , 1991 , 121, 1287-92	4.1	8
6	Protein synthesis in the prepyriform cortex: effects on intake of an amino acid-imbalanced diet by Sprague-Dawley rats. <i>Journal of Nutrition</i> , 1991 , 121, 754-61	4.1	32
5	Adrenal hormones and the anorectic response and adaptation of rats to amino acid imbalance. <i>Journal of Nutrition</i> , 1990 , 120, 1617-23	4.1	14
4	Evaluation of vitamin B-6 status and function of rats fed excess pyridoxine. <i>Journal of Nutrition</i> , 1989 , 119, 1392-8	4.1	17
3	Norepinephrine and amino acids in prepyriform cortex of rats fed imbalanced amino acid diets. <i>Physiology and Behavior</i> , 1986 , 36, 1071-80	3.5	48
2	Sex differences in [3H]-estradiol binding in brain and pituitary after acute dopaminergic treatment. In vivo studies in the rat. <i>Neuroendocrinology</i> , 1986 , 42, 334-43	5.6	15
1	Catecholamine synthesis inhibitors acutely modulate [3H]estradiol binding by specific brain areas and pituitary in ovariectomized rats. <i>Endocrinology</i> , 1983 , 113, 855-65	4.8	56