Ryosei Sakai

List of Publications by Citations

32 papers	789 citations	15 h-index	28 g-index
32 ext. papers	880 ext. citations	3.5 avg, IF	3.31 L-index

#	Paper	IF	Citations
32	Novel, objective, multivariate biomarkers composed of plasma amino acid profiles for the diagnosis and assessment of inflammatory bowel disease. *PLoS ONE*, **2012**, 7, e31131	3.7	122
31	Network analysis of plasma and tissue amino acids and the generation of an amino index for potential diagnostic use. *American Journal of Clinical Nutrition*, **2006**, 83, 513S-519S	7	119
30	Leucine and protein metabolism in obese Zucker rats. *PLoS ONE*, **2013**, 8, e59443	3.7	68
29	Metabolomics and its potential for assessment of adequacy and safety of amino acid intake. *Journal of Nutrition*, **2003**, 133, 2097S-2100S	4.1	45
28	Leucine-nitrogen metabolism in the brain of conscious rats: its role as a nitrogen carrier in glutamate synthesis in glial and neuronal metabolic compartments. *Journal of Neurochemistry*, **2004**, 88, 612-22	6	42
27	Excess dietary L-cysteine, but not L-cystine, is lethal for chicks but not for rats or pigs. *Journal of Nutrition*, **2007**, 137, 331-8	4.1	38
26	Screening of toxicity biomarkers for methionine excess in rats. *Journal of Nutrition*, **2006**, 136, 1716S-1721S	4.1	36
25	In vivo treatment with erythroid differentiation factor (EDF/activin A) increases erythroid precursors (CFU-E and BFU-E) in mice. *Biochemical and Biophysical Research Communications*, **1989**, 165, 1155-61	3.4	36
24	Involvement of activin in the regulation of bone metabolism. *Molecular and Cellular Endocrinology*, **2001**, 180, 183-8	4.4	34
23	Bolus ingestion of individual branched-chain amino acids alters plasma amino acid profiles in young healthy men. *SpringerPlus*, **2014**, 3, 35		32
22	Nitrogen in dietary glutamate is utilized exclusively for the synthesis of amino acids in the rat intestine. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 304, E100-8	6	27
21	Transcriptomics and metabolomics of dietary leucine excess. *Journal of Nutrition*, **2005**, 135, 1571S-5S	4.1	22
20	Glutamine cycling in isolated working rat heart. *American Journal of Physiology - Endocrinology and Metabolism*, **2003**, 285, E1312-6	6	19
19	Potential approaches to the assessment of amino acid adequacy in rats: a progress report. *Journal of Nutrition*, **2004**, 134, 1651S-1655S; discussion 1664S-1666S, 1667S-1672S	4.1	19
18	The measurement of activin/EDF in mouse serum: evidence for extragonadal production. *Biochemical and Biophysical Research Communications*, **1992**, 188, 921-6	3.4	19
17	Elemental diets may reduce the risk of aspiration pneumonia in bedridden gastrostomy-fed patients. *American Journal of Gastroenterology*, **2013**, 108, 804-10	0.7	14
16	Effects of oral monosodium glutamate in mouse models of asthma. *Food and Chemical Toxicology*, **2011**, 49, 299-304	4.7	14

15	A 4-week toxicity study of methionine in male rats. *International Journal of Toxicology*, **2015**, 34, 233-41	2.4	13
14	Comparisons of l-cysteine and d-cysteine toxicity in 4-week repeated-dose toxicity studies of rats receiving daily oral administration. *Journal of Toxicologic Pathology*, **2017**, 30, 217-229	1.4	13
13	The existence of activin A/erythroid differentiation factor and its inhibitor in human serum: comparison of normal and chronic renal failure sera. *Biochemical and Biophysical Research Communications*, **1992**, 183, 273-9	3.4	12
12	Long-term ingestion of monosodium L-glutamate did not induce obesity, dyslipidemia or insulin resistance: a two-generation study in mice. *Journal of Nutritional Science and Vitaminology*, **2013**, 59, 129-35	1.1	9
11	A 90-day Feeding Toxicity Study of l-Serine in Male and Female Fischer 344 Rats. *Journal of Toxicologic Pathology*, **2010**, 23, 39-47	1.4	7
10	The Nitrogen Moieties of Dietary Nonessential Amino Acids Are Distinctively Metabolized in the Gut and Distributed to the Circulation in Rats. *Journal of Nutrition*, **2017**, 147, 1537-1545	4.1	5
9	Thirteen week toxicity study of dietary l-tryptophan in rats with a recovery period of 5 weeks. *Journal of Applied Toxicology*, **2018**, 38, 552-563	4.1	5
8	Measurement of (15)N enrichment of glutamine and urea cycle amino acids derivatized with 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate using liquid chromatography-tandem quadrupole mass spectrometry. *Analytical Biochemistry*, **2015**, 476, 67-77	3.1	4
7	Dispensable Amino Acids, except Glutamine and Proline, Are Ideal Nitrogen Sources for Protein Synthesis in the Presence of Adequate Indispensable Amino Acids in Adult Men. *Journal of Nutrition* , **2020**, 150, 2398-2404	4.1	4
6	In vitro and in vivo genotoxicity studies on monosodium L-glutamate monohydrate. *Regulatory Toxicology and Pharmacology*, **2019**, 107, 104399	3.4	3
5	Induction of Superovulation in Acutely Hypophysectomized Rats and Presence of Ovulable Population of Follicles.. *Journal of Reproduction and Development*, **1993**, 39, 123-128	2.1	3
4	Analysis of branched-chain alpha-keto acid dehydrogenase complex activity in rat tissues using alpha-keto[1-13C]isocaproate as substrate. *Analytical Biochemistry*, **2010**, 399, 1-6	3.1	2
3	Glutamate metabolism in a human intestinal epithelial cell layer model. *Amino Acids*, **2020**, 52, 1505-1519	3.5	2
2	Elucidation of the antiviral mechanism of cystine and theanine through transcriptome analysis of mice and comparison with COVID-19 gene set data		1
1	Gastric Emptying of Elemental Liquid Diets Versus Semisolid Diets in Bedridden Gastrostomy-fed Patients. *Journal of Clinical Gastroenterology*, **2019**, 53, 373-378	3	0