

Ryosei Sakai

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.

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	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. <i>Journal of Nutrition</i> , 2020 , 150, 2398-2404	4.1	4
31	Glutamate metabolism in a human intestinal epithelial cell layer model. <i>Amino Acids</i> , 2020 , 52, 1505-1519	3.5	2
30	In vitro and in vivo genotoxicity studies on monosodium L-glutamate monohydrate. <i>Regulatory Toxicology and Pharmacology</i> , 2019 , 107, 104399	3.4	3
29	Gastric Emptying of Elemental Liquid Diets Versus Semisolid Diets in Bedridden Gastrostomy-fed Patients. <i>Journal of Clinical Gastroenterology</i> , 2019 , 53, 373-378	3	0
28	Thirteen week toxicity study of dietary l-tryptophan in rats with a recovery period of 5 weeks. <i>Journal of Applied Toxicology</i> , 2018 , 38, 552-563	4.1	5
27	Comparisons of l-cysteine and d-cysteine toxicity in 4-week repeated-dose toxicity studies of rats receiving daily oral administration. <i>Journal of Toxicologic Pathology</i> , 2017 , 30, 217-229	1.4	13
26	The Nitrogen Moieties of Dietary Nonessential Amino Acids Are Distinctively Metabolized in the Gut and Distributed to the Circulation in Rats. <i>Journal of Nutrition</i> , 2017 , 147, 1537-1545	4.1	5
25	A 4-week toxicity study of methionine in male rats. <i>International Journal of Toxicology</i> , 2015 , 34, 233-41	2.4	13
24	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. <i>Analytical Biochemistry</i> , 2015 , 476, 67-77	3.1	4
23	Bolus ingestion of individual branched-chain amino acids alters plasma amino acid profiles in young healthy men. <i>SpringerPlus</i> , 2014 , 3, 35		32
22	Elemental diets may reduce the risk of aspiration pneumonia in bedridden gastrostomy-fed patients. <i>American Journal of Gastroenterology</i> , 2013 , 108, 804-10	0.7	14
21	Nitrogen in dietary glutamate is utilized exclusively for the synthesis of amino acids in the rat intestine. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 304, E100-8	6	27
20	Long-term ingestion of monosodium L-glutamate did not induce obesity, dyslipidemia or insulin resistance: a two-generation study in mice. <i>Journal of Nutritional Science and Vitaminology</i> , 2013 , 59, 129-35	1.1	9
19	Leucine and protein metabolism in obese Zucker rats. <i>PLoS ONE</i> , 2013 , 8, e59443	3.7	68
18	Novel, objective, multivariate biomarkers composed of plasma amino acid profiles for the diagnosis and assessment of inflammatory bowel disease. <i>PLoS ONE</i> , 2012 , 7, e31131	3.7	122
17	Effects of oral monosodium glutamate in mouse models of asthma. <i>Food and Chemical Toxicology</i> , 2011 , 49, 299-304	4.7	14
16	A 90-day Feeding Toxicity Study of l-Serine in Male and Female Fischer 344 Rats. <i>Journal of Toxicologic Pathology</i> , 2010 , 23, 39-47	1.4	7

15	Analysis of branched-chain alpha-keto acid dehydrogenase complex activity in rat tissues using alpha-keto[1-13C]isocaproate as substrate. <i>Analytical Biochemistry</i> , 2010 , 399, 1-6	3.1	2
14	Excess dietary L-cysteine, but not L-cystine, is lethal for chicks but not for rats or pigs. <i>Journal of Nutrition</i> , 2007 , 137, 331-8	4.1	38
13	Screening of toxicity biomarkers for methionine excess in rats. <i>Journal of Nutrition</i> , 2006 , 136, 1716S-1721S	4.1	36
12	Network analysis of plasma and tissue amino acids and the generation of an amino index for potential diagnostic use. <i>American Journal of Clinical Nutrition</i> , 2006 , 83, 513S-519S	7	119
11	Transcriptomics and metabolomics of dietary leucine excess. <i>Journal of Nutrition</i> , 2005 , 135, 1571S-5S	4.1	22
10	Potential approaches to the assessment of amino acid adequacy in rats: a progress report. <i>Journal of Nutrition</i> , 2004 , 134, 1651S-1655S; discussion 1664S-1666S, 1667S-1672S	4.1	19
9	Leucine-nitrogen metabolism in the brain of conscious rats: its role as a nitrogen carrier in glutamate synthesis in glial and neuronal metabolic compartments. <i>Journal of Neurochemistry</i> , 2004 , 88, 612-22	6	42
8	Glutamine cycling in isolated working rat heart. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003 , 285, E1312-6	6	19
7	Metabolomics and its potential for assessment of adequacy and safety of amino acid intake. <i>Journal of Nutrition</i> , 2003 , 133, 2097S-2100S	4.1	45
6	Involvement of activin in the regulation of bone metabolism. <i>Molecular and Cellular Endocrinology</i> , 2001 , 180, 183-8	4.4	34
5	Induction of Superovulation in Acutely Hypophysectomized Rats and Presence of Ovulable Population of Follicles.. <i>Journal of Reproduction and Development</i> , 1993 , 39, 123-128	2.1	3
4	The measurement of activin/EDF in mouse serum: evidence for extragonadal production. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 188, 921-6	3.4	19
3	The existence of activin A/erythroid differentiation factor and its inhibitor in human serum: comparison of normal and chronic renal failure sera. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 183, 273-9	3.4	12
2	In vivo treatment with erythroid differentiation factor (EDF/activin A) increases erythroid precursors (CFU-E and BFU-E) in mice. <i>Biochemical and Biophysical Research Communications</i> , 1989 , 165, 1155-61	3.4	36
1	Elucidation of the antiviral mechanism of cystine and theanine through transcriptome analysis of mice and comparison with COVID-19 gene set data		1