Ryosei Sakai

List of Publications by Year
in descending order

31	968	471371 17	434063 31
papers	citations	h-index	g-index

32	32	32	1440
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Novel, Objective, Multivariate Biomarkers Composed of Plasma Amino Acid Profiles for the Diagnosis and Assessment of Inflammatory Bowel Disease. PLoS ONE, 2012, 7, e31131.	1.1	150
2	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.	2.2	140
3	Leucine and Protein Metabolism in Obese Zucker Rats. PLoS ONE, 2013, 8, e59443.	1.1	91
4	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, 612-622.	2.1	52
5	Metabolomics and its Potential for Assessment of Adequacy and Safety of Amino Acid Intake. Journal of Nutrition, 2003, 133, 2097S-2100S.	1.3	49
6	Screening of Toxicity Biomarkers for Methionine Excess in Rats. Journal of Nutrition, 2006, 136, 1716S-1721S.	1.3	45
7	Excess Dietary l-Cysteine, but Not l-Cystine, Is Lethal for Chicks but Not for Rats or Pigs. Journal of Nutrition, 2007, 137, 331-338.	1.3	43
8	Invivo 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, 1155-1161.	1.0	41
9	Bolus ingestion of individual branched-chain amino acids alters plasma amino acid profiles in young healthy men. SpringerPlus, 2014, 3, 35.	1.2	40
10	Involvement of activin in the regulation of bone metabolism. Molecular and Cellular Endocrinology, 2001, 180, 183-188.	1.6	39
11	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-E108.	1.8	29
12	The measurement of activin/EDF in mouse serum: Evidence for extragonadal production. Biochemical and Biophysical Research Communications, 1992, 188, 921-926.	1.0	24
13	Transcriptomics and Metabolomics of Dietary Leucine Excess. Journal of Nutrition, 2005, 135, 1571S-1575S.	1.3	24
14	Glutamine cycling in isolated working rat heart. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E1312-E1316.	1.8	22
15	Potential Approaches to the Assessment of Amino Acid Adequacy in Rats: A Progress Report. Journal of Nutrition, 2004, 134, 1651S-1655S.	1.3	21
16	Elemental Diets May Reduce the Risk of Aspiration Pneumonia in Bedridden Gastrostomy-Fed Patients. American Journal of Gastroenterology, 2013, 108, 804-810.	0.2	20
17	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.	0.3	19
18	Effects of oral monosodium glutamate in mouse models of asthma. Food and Chemical Toxicology, 2011, 49, 299-304.	1.8	18

#	Article	IF	Citations
19	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, 273-279.	1.0	17
20	A 4-Week Toxicity Study of Methionine in Male Rats. International Journal of Toxicology, 2015, 34, 233-241.	0.6	17
21	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, 129-135.	0.2	15
22	Thirteen week toxicity study of dietary <scp>l</scp>â€tryptophan in rats with a recovery period of 5Âweeks. Journal of Applied Toxicology, 2018, 38, 552-563.	1.4	9
23	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.	1.3	8
24	A 90-day Feeding Toxicity Study of L-Serine in Male and Female Fischer 344 Rats. Journal of Toxicologic Pathology, 2010, 23, 39-47.	0.3	7
25	Glutamate metabolism in a human intestinal epithelial cell layer model. Amino Acids, 2020, 52, 1505-1519.	1.2	7
26	In vitro and in vivo genotoxicity studies on monosodium L-glutamate monohydrate. Regulatory Toxicology and Pharmacology, 2019, 107, 104399.	1.3	5
27	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.	1.3	5
28	Measurement of 15N enrichment of glutamine and urea cycle amino acids derivatized with 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate using liquid chromatographyâ€“tandem quadrupole mass spectrometry. Analytical Biochemistry, 2015, 476, 67-77.	1.1	4
29	Induction of Superovulation in Acutely Hypophysectomized Rats and Presence of Ovulable Population of Follicles.. Journal of Reproduction and Development, 1993, 39, 123-128.	0.5	3
30	Analysis of branched-chain Î±-keto acid dehydrogenase complex activity in rat tissues using Î±-keto[1-13C]isocaproate as substrate. Analytical Biochemistry, 2010, 399, 1-6.	1.1	2
31	Gastric Emptying of Elemental Liquid Diets Versus Semisolid Diets in Bedridden Gastrostomy-fed Patients. Journal of Clinical Gastroenterology, 2019, 53, 373-378.	1.1	1