

Rie Tsutsumi

List of Publications by Year in descending order

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74
papers

1,471
citations

331670

21
h-index

345221

36
g-index

74
all docs

74
docs citations

74
times ranked

2386
citing authors

#	ARTICLE	IF	CITATIONS
1	GnRH Pulsatility, the Pituitary Response and Reproductive Dysfunction. <i>Endocrine Journal</i> , 2009, 56, 729-737.	1.6	200
2	Pulse Sensitivity of the Luteinizing Hormone \hat{I}^2 Promoter Is Determined by a Negative Feedback Loop Involving Early Growth Response-1 and Ngfi-A Binding Protein 1 and 2. <i>Molecular Endocrinology</i> , 2007, 21, 1175-1191.	3.7	81
3	tRFs: miRNAs in disguise. <i>Gene</i> , 2016, 579, 133-138.	2.2	76
4	Sudachitin, a polymethoxylated flavone, improves glucose and lipid metabolism by increasing mitochondrial biogenesis in skeletal muscle. <i>Nutrition and Metabolism</i> , 2014, 11, 32.	3.0	66
5	YBX1 at the crossroads of non-coding transcriptome, exosomal, and cytoplasmic granular signaling. <i>European Journal of Cell Biology</i> , 2018, 97, 163-167.	3.6	64
6	Monitoring of muscle mass in critically ill patients: comparison of ultrasound and two bioelectrical impedance analysis devices. <i>Journal of Intensive Care</i> , 2019, 7, 61.	2.9	58
7	<i>Lactobacillus plantarum</i> OLL2712 Regulates Glucose Metabolism in C57BL/6 Mice Fed a High-Fat Diet. <i>Journal of Nutritional Science and Vitaminology</i> , 2013, 59, 144-147.	0.6	51
8	Compound K, a metabolite of ginsenosides, induces cardiac protection mediated nitric oxide via Akt/PI3K pathway. <i>Life Sciences</i> , 2011, 88, 725-729.	4.3	49
9	Signaling Responses to Pulsatile Gonadotropin-releasing Hormone in $L\hat{I}^2T2$ Gonadotrope Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 20262-20272.	3.4	47
10	UCP1-dependent and UCP1-independent metabolic changes induced by acute cold exposure in brown adipose tissue of mice. <i>Metabolism: Clinical and Experimental</i> , 2020, 113, 154396.	3.4	43
11	Activin Modulates the Transcriptional Response of $L\hat{I}^2T2$ Cells to Gonadotropin-Releasing Hormone and Alters Cellular Proliferation. <i>Molecular Endocrinology</i> , 2006, 20, 2909-2930.	3.7	40
12	Gonadotropin-Releasing Hormone Pulse Sensitivity of Follicle-Stimulating Hormone- \hat{I}^2 Gene Is Mediated by Differential Expression of Positive Regulatory Activator Protein 1 Factors and Corepressors SKIL and TGIF1. <i>Molecular Endocrinology</i> , 2011, 25, 1387-1403.	3.7	39
13	Effects of chemotherapy on gene expression of lingual taste receptors in patients with head and neck cancer. <i>Laryngoscope</i> , 2016, 126, E103-9.	2.0	35
14	Upper and lower limb muscle atrophy in critically ill patients: an observational ultrasonography study. <i>Intensive Care Medicine</i> , 2018, 44, 263-264.	8.2	33
15	Non-coding RNAs: Functions and applications in endocrine-related cancer. <i>Molecular and Cellular Endocrinology</i> , 2015, 416, 88-96.	3.2	32
16	Role of the O-linked \hat{I}^2 -N \hat{A} -acetylglucosamine in the Cardioprotection Induced by Isoflurane. <i>Anesthesiology</i> , 2011, 115, 955-962.	2.5	32
17	Effect of Electrical Muscle Stimulation on Upper and Lower Limb Muscles in Critically Ill Patients: A Two-Center Randomized Controlled Trial. <i>Critical Care Medicine</i> , 2020, 48, e997-e1003.	0.9	28
18	New insights into the genetic basis of infertility. <i>The Application of Clinical Genetics</i> , 2014, 7, 235.	3.0	27

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19	The Effects of Intravenous Fosaprepitant and Ondansetron for the Prevention of Postoperative Nausea and Vomiting in Neurosurgery Patients: A Prospective, Randomized, Double-Blinded Study. <i>BioMed Research International</i> , 2014, 2014, 1-6.	1.9	25
20	Exendin-4 ameliorates cardiac ischemia/reperfusion injury via caveolae and caveolins-3. <i>Cardiovascular Diabetology</i> , 2014, 13, 132.	6.8	25
21	Upper limb muscle atrophy associated with in-hospital mortality and physical function impairments in mechanically ventilated critically ill adults: a two-center prospective observational study. <i>Journal of Intensive Care</i> , 2020, 8, 87.	2.9	25
22	Urinary Titin Is a Novel Biomarker for Muscle Atrophy in Nonsurgical Critically Ill Patients: A Two-Center, Prospective Observational Study. <i>Critical Care Medicine</i> , 2020, 48, 1327-1333.	0.9	22
23	Fosaprepitant versus ondansetron for the prevention of postoperative nausea and vomiting in patients who undergo gynecologic abdominal surgery with patient-controlled epidural analgesia: a prospective, randomized, double-blind study. <i>Journal of Anesthesia</i> , 2015, 29, 696-701.	1.7	20
24	The effects of intravenous fosaprepitant and ondansetron in the prevention of postoperative nausea and vomiting in patients who underwent lower limb surgery: a prospective, randomized, double-blind study. <i>Journal of Anesthesia</i> , 2015, 29, 836-841.	1.7	18
25	Effects of oral carbohydrate with amino acid solution on the metabolic status of patients in the preoperative period: a randomized, prospective clinical trial. <i>Journal of Anesthesia</i> , 2016, 30, 842-849.	1.7	18
26	New targets for old hormones: inhibins clinical role revisited [Review]. <i>Endocrine Journal</i> , 2011, 58, 223-235.	1.6	16
27	DNA Methylation Suppresses Leptin Gene in 3T3-L1 Adipocytes. <i>PLoS ONE</i> , 2016, 11, e0160532.	2.5	16
28	Extracts of Common Buckwheat Bran Prevent Sucrose Digestion. <i>Journal of Nutritional Science and Vitaminology</i> , 2011, 57, 441-445.	0.6	15
29	Branched-chain amino acids-induced cardiac protection against ischemia/reperfusion injury. <i>Life Sciences</i> , 2020, 245, 117368.	4.3	15
30	Treatment with buckwheat bran extract prevents the elevation of serum triglyceride levels and fatty liver in KK-A ^y mice. <i>Journal of Medical Investigation</i> , 2014, 61, 345-352.	0.5	14
31	Albumin-normalized serum zinc: a clinically useful parameter for detecting taste impairment in patients undergoing dialysis. <i>Nutrition Research</i> , 2014, 34, 11-16.	2.9	13
32	Whey Peptide-Based Formulas With ω -3 Fatty Acids Are Protective in Lipopolysaccharide-Mediated Sepsis. <i>Journal of Parenteral and Enteral Nutrition</i> , 2015, 39, 552-561.	2.6	13
33	Interferon regulatory factor 7 mediates obesity-associated MCP-1 transcription. <i>PLoS ONE</i> , 2020, 15, e0233390.	2.5	13
34	Effect of Janus kinase inhibition by tofacitinib on body composition and glucose metabolism. <i>Journal of Medical Investigation</i> , 2018, 65, 166-170.	0.5	12
35	Geranylgeranylacetone protects the heart via caveolae and caveolin-3. <i>Life Sciences</i> , 2014, 101, 43-48.	4.3	11
36	Vitamin A Deficiency Impairs Induction of Oral Tolerance in Mice. <i>Journal of Nutritional Science and Vitaminology</i> , 2015, 61, 147-153.	0.6	11

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37	Intracerebroventricular injection of adiponectin regulates locomotor activity in rats. <i>Journal of Medical Investigation</i> , 2015, 62, 199-203.	0.5	11
38	Geranylgeranylacetone and volatile anesthetic-induced cardiac protection synergism is dependent on caveolae and caveolin-3. <i>Journal of Anesthesia</i> , 2014, 28, 733-739.	1.7	9
39	Human airway trypsin-like protease enhances interleukin-8 synthesis in bronchial epithelial cells by activating protease-activated receptor 2. <i>Archives of Biochemistry and Biophysics</i> , 2019, 664, 167-173.	3.0	9
40	Urinary Titin N-Fragment as a Biomarker of Muscle Atrophy, Intensive Care Unit-Acquired Weakness, and Possible Application for Post-Intensive Care Syndrome. <i>Journal of Clinical Medicine</i> , 2021, 10, 614.	2.4	9
41	Leucine induces cardioprotection in vitro by promoting mitochondrial function via mTOR and Opa-1 signaling. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021, 31, 2979-2986.	2.6	9
42	Leucine imparts cardioprotective effects by enhancing mTOR activity and mitochondrial fusion in a myocardial ischemia/reperfusion injury murine model. <i>Diabetology and Metabolic Syndrome</i> , 2021, 13, 139.	2.7	9
43	Dietary supplementation with monosodium glutamate with dietary balance such as protein, salt and sugar intake with increasing T1R3 taste receptor gene expression in healthy females. <i>Journal of Medical Investigation</i> , 2021, 68, 315-320.	0.5	9
44	Differential regulation of Actn2 and Actn3 expression during unfolded protein response in C2C12 myotubes. <i>Journal of Muscle Research and Cell Motility</i> , 2020, 41, 199-209.	2.0	8
45	Exploration of acute genotoxic effects and antigenotoxic potential of gambogic acid using <i>Allium cepa</i> assay. <i>Plant Physiology and Biochemistry</i> , 2017, 118, 643-652.	5.8	7
46	Readthrough of ACTN3 577X nonsense mutation produces full-length β -actinin-3 protein. <i>Biochemical and Biophysical Research Communications</i> , 2018, 502, 422-428.	2.1	7
47	Dietary Supplementation with Monosodium Glutamate Suppresses Chemotherapy-Induced Downregulation of the T1R3 Taste Receptor Subunit in Head and Neck Cancer Patients. <i>Nutrients</i> , 2021, 13, 2921.	4.1	7
48	Dietary Ribonucleic Acid Suppresses Inflammation of Adipose Tissue and Improves Glucose Intolerance That Is Mediated by Immune Cells in C57BL/6 Mice Fed a High-Fat Diet. <i>Journal of Nutritional Science and Vitaminology</i> , 2015, 61, 73-78.	0.6	6
49	The synergistic effects of omega-3 fatty acids against 5-fluorouracil-induced mucosal impairment in mice. <i>BMC Nutrition</i> , 2016, 2, .	1.6	6
50	Next-generation sequencing for endocrine cancers: Recent advances and challenges. <i>Tumor Biology</i> , 2017, 39, 101042831769837.	1.8	6
51	Gene expression changes and promoter methylation with the combined effects of estradiol and leptin in uterine tissue of the ovariectomized mice model of menopause. <i>Molecular Biology Reports</i> , 2020, 47, 151-168.	2.3	6
52	Sudachi peel extract powder including the polymethoxylated flavone sudachitin improves visceral fat content in individuals at risk for developing diabetes. <i>Food Science and Nutrition</i> , 2021, 9, 4076-4084.	3.4	6
53	Rectus Femoris Mimicking Ultrasound Phantom for Muscle Mass Assessment: Design, Research, and Training Application. <i>Journal of Clinical Medicine</i> , 2021, 10, 2721.	2.4	5
54	Endoplasmic Reticulum Stress in Mice Increases Hepatic Expression of Genes Carrying a Premature Termination Codon via a Nutritional Status-Independent GRP78-Dependent Mechanism. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 3810-3824.	2.6	4

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55	Effect of olive oil consumption on aging in a senescence-accelerated mice-prone 8 (SAMP8) model. <i>Journal of Medical Investigation</i> , 2019, 66, 241-247.	0.5	4
56	Elevated Urinary Titin and its Associated Clinical Outcomes after Acute Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 105561.	1.6	4
57	In silico analysis of polymorphisms in microRNAs that target genes affecting aerobic glycolysis. <i>Annals of Translational Medicine</i> , 2016, 4, 69.	1.7	4
58	Decline in anthropometric evaluation predicts a poor prognosis in geriatric patients. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2012, 21, 44-51.	0.4	4
59	Intracerebroventricular injection of ghrelin decreases wheel running activity in rats. <i>Peptides</i> , 2017, 87, 12-19.	2.4	3
60	Gene therapy in endocrine tumors: A comprehensive overview [Review]. <i>Endocrine Journal</i> , 2014, 61, 655-665.	1.6	2
61	Plasma substance P concentrations in patients undergoing general anesthesia: an objective marker associated with postoperative nausea and vomiting. <i>JA Clinical Reports</i> , 2016, 2, 9.	0.7	2
62	Effect of oral carbohydrate with amino acid solution on serum oxidative/anti-oxidative status in healthy volunteers. <i>Journal of Anesthesia</i> , 2017, 31, 472-475.	1.7	2
63	Mining of single nucleotide polymorphisms in the 3' untranslated region of liver cancer-implicated miR-122 target genes. <i>Annals of Translational Medicine</i> , 2016, 4, 102-102.	1.7	2
64	Assessment of postoperative nutritional status and physical function between open surgical aortic valve replacement and transcatheter aortic valve implantation in elderly patients. <i>Journal of Medical Investigation</i> , 2020, 67, 139-144.	0.5	2
65	Human airway trypsin-like protease (HAT) is released into saliva. <i>Journal of Medical Investigation</i> , 2018, 65, 258-267.	0.5	1
66	Regulated expression of Gemin5, Xrn1, Cpeb and Stau1 in the uterus and ovaries after superovulation and the effect of exogenous estradiol and leptin in rodents. <i>Molecular Biology Reports</i> , 2019, 46, 2533-2540.	2.3	1
67	Assessment of insulin resistance in the skeletal muscle of mice using positron emission tomography/computed tomography imaging. <i>Biochemical and Biophysical Research Communications</i> , 2020, 528, 499-505.	2.1	1
68	Assessment of catabolic state in infants with the use of urinary titin N-fragment. <i>Pediatric Research</i> , 2021, , .	2.3	1
69	Development of a screening system for agents that modulate taste receptor expression with the CRISPR-Cas9 system in medaka. <i>Biochemical and Biophysical Research Communications</i> , 2022, 601, 65-72.	2.1	1
70	Taste receptor gene expression is associated with decreased eGFR in patients with diabetes. <i>Journal of Medical Investigation</i> , 2022, 69, 120-126.	0.5	1
71	DNA methylation status influences insulin-induced glucose transport in 3T3-L1 adipocytes by mediating p53 expression. <i>Biochemical and Biophysical Research Communications</i> , 2020, 525, 39-45.	2.1	0
72	Role of O-linked N-acetylglucosamine in isoflurane induced cardiac protection. <i>FASEB Journal</i> , 2010, 24, 573.9.	0.5	0

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73	MicroRNAs as Biomarkers for Prediction of Environmental Health and Toxicity: A Systematic Overview. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 151-172.	0.5	0
74	Chemotherapy-Induced Taste Impairment in Patients with Head and Neck Cancer: Molecular Mechanisms and Dietary Prevention. <i>Practica Otologica, Supplement</i> , 2022, 158, 138-141.	0.0	0