

# Rie Tsutsumi

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | 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         |
| 2  | 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         |
| 3  | 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         |
| 4  | 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         |
| 5  | 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         |
| 6  | 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         |
| 7  | 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         |
| 8  | Assessment of catabolic state in infants with the use of urinary titin N-fragment. <i>Pediatric Research</i> , 2021, , .   | 2.3 | 1         |
| 9  | 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         |
| 10 | 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         |
| 11 | 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         |
| 12 | 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         |
| 13 | 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         |
| 14 | 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        |
| 15 | 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        |
| 16 | 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        |
| 17 | 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        |
| 18 | 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         |

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|----|---|-----|-----------|
| 19 | 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         |
| 20 | 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         |
| 21 | Branched-chain amino acids-induced cardiac protection against ischemia/reperfusion injury. <i>Life Sciences</i> , 2020, 245, 117368.  | 4.3 | 15        |
| 22 | Interferon regulatory factor 7 mediates obesity-associated MCP-1 transcription. <i>PLoS ONE</i> , 2020, 15, e0233390.   | 2.5 | 13        |
| 23 | 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         |
| 24 | 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         |
| 25 | 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         |
| 26 | 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         |
| 27 | 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         |
| 28 | 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        |
| 29 | 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        |
| 30 | 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        |
| 31 | 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        |
| 32 | Human airway trypsin-like protease (HAT) is released into saliva. <i>Journal of Medical Investigation</i> , 2018, 65, 258-267.  | 0.5 | 1         |
| 33 | Readthrough of ACTN3 577X nonsense mutation produces full-length $\beta$ -actinin-3 protein. <i>Biochemical and Biophysical Research Communications</i> , 2018, 502, 422-428.   | 2.1 | 7         |
| 34 | 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         |
| 35 | Next-generation sequencing for endocrine cancers: Recent advances and challenges. <i>Tumor Biology</i> , 2017, 39, 101042831769837.   | 1.8 | 6         |
| 36 | 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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|----|---|-----|-----------|
| 37 | 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         |
| 38 | Intracerebroventricular injection of ghrelin decreases wheel running activity in rats. <i>Peptides</i> , 2017, 87, 12-19.   | 2.4 | 3         |
| 39 | DNA Methylation Suppresses Leptin Gene in 3T3-L1 Adipocytes. <i>PLoS ONE</i> , 2016, 11, e0160532.  | 2.5 | 16        |
| 40 | 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        |
| 41 | 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         |
| 42 | 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        |
| 43 | 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         |
| 44 | tRFs: miRNAs in disguise. <i>Gene</i> , 2016, 579, 133-138.   | 2.2 | 76        |
| 45 | 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         |
| 46 | 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         |
| 47 | 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        |
| 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 | Intracerebroventricular injection of adiponectin regulates locomotor activity in rats. <i>Journal of Medical Investigation</i> , 2015, 62, 199-203.   | 0.5 | 11        |
| 50 | Whey Peptide-Based Formulas With $\omega$ -3 Fatty Acids Are Protective in Lipopolysaccharide-Mediated Sepsis. <i>Journal of Parenteral and Enteral Nutrition</i> , 2015, 39, 552-561.  | 2.6 | 13        |
| 51 | 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        |
| 52 | 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        |
| 53 | Non-coding RNAs: Functions and applications in endocrine-related cancer. <i>Molecular and Cellular Endocrinology</i> , 2015, 416, 88-96.  | 3.2 | 32        |
| 54 | Treatment with buckwheat bran extract prevents the elevation of serum triglyceride levels and fatty liver in KK-A <sup>yy</sup> mice. <i>Journal of Medical Investigation</i> , 2014, 61, 345-352.  | 0.5 | 14        |

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|----|---|-----|-----------|
| 55 | New insights into the genetic basis of infertility. <i>The Application of Clinical Genetics</i> , 2014, 7, 235.   | 3.0 | 27        |
| 56 | 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        |
| 57 | 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        |
| 58 | Exendin-4 ameliorates cardiac ischemia/reperfusion injury via caveolae and caveolins-3. <i>Cardiovascular Diabetology</i> , 2014, 13, 132.  | 6.8 | 25        |
| 59 | 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         |
| 60 | 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        |
| 61 | Geranylgeranylacetone protects the heart via caveolae and caveolin-3. <i>Life Sciences</i> , 2014, 101, 43-48.  | 4.3 | 11        |
| 62 | Gene therapy in endocrine tumors: A comprehensive overview [Review]. <i>Endocrine Journal</i> , 2014, 61, 655-665.  | 1.6 | 2         |
| 63 | <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        |
| 64 | 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         |
| 65 | 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        |
| 66 | New targets for old hormones: inhibins clinical role revisited [Review]. <i>Endocrine Journal</i> , 2011, 58, 223-235.  | 1.6 | 16        |
| 67 | Extracts of Common Buckwheat Bran Prevent Sucrose Digestion. <i>Journal of Nutritional Science and Vitaminology</i> , 2011, 57, 441-445.  | 0.6 | 15        |
| 68 | Gonadotropin-Releasing Hormone Pulse Sensitivity of Follicle-Stimulating Hormone- $\beta$ 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        |
| 69 | Role of the O-linked $\beta$ -N-acetylglucosamine in the Cardioprotection Induced by Isoflurane. <i>Anesthesiology</i> , 2011, 115, 955-962.  | 2.5 | 32        |
| 70 | Signaling Responses to Pulsatile Gonadotropin-releasing Hormone in $\beta$ T2 Gonadotrope Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 20262-20272.   | 3.4 | 47        |
| 71 | Role of O-linked $\beta$ -N-acetylglucosamine in isoflurane induced cardiac protection. <i>FASEB Journal</i> , 2010, 24, 573.9.   | 0.5 | 0         |
| 72 | GnRH Pulsatility, the Pituitary Response and Reproductive Dysfunction. <i>Endocrine Journal</i> , 2009, 56, 729-737.  | 1.6 | 200       |

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|----|---|-----|-----------|
| 73 | Pulse Sensitivity of the Luteinizing Hormone $\beta$ 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        |
| 74 | Activin Modulates the Transcriptional Response of L $\beta$ T2 Cells to Gonadotropin-Releasing Hormone and Alters Cellular Proliferation. <i>Molecular Endocrinology</i> , 2006, 20, 2909-2930.                                     | 3.7 | 40        |