

# Yasuo M Tsutsumi

## List of Publications by Year in descending order

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Version: 2024-02-01

86  
papers

1,792  
citations

279487

23  
h-index

288905

40  
g-index

91  
all docs

91  
docs citations

91  
times ranked

1764  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive oxygen species trigger ischemic and pharmacological postconditioning: In vivo and in vitro characterization. <i>Life Sciences</i> , 2007, 81, 1223-1227.	2.0	126
2	Mechanisms of cardiac protection from ischemia/reperfusion injury: a role for caveolae and caveolin-1. <i>FASEB Journal</i> , 2007, 21, 1565-1574.	0.2	126
3	Cardiac-Specific Overexpression of Caveolin-3 Induces Endogenous Cardiac Protection by Mimicking Ischemic Preconditioning. <i>Circulation</i> , 2008, 118, 1979-1988.	1.6	126
4	Caveolin-3 expression and caveolae are required for isoflurane-induced cardiac protection from hypoxia and ischemia/reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 123-130.	0.9	101
5	Caveolin-1 expression is essential for N-methyl-D-aspartate receptor-mediated Src and extracellular signal-regulated kinase 1/2 activation and protection of primary neurons from ischemic cell death. <i>FASEB Journal</i> , 2008, 22, 828-840.	0.2	101
6	Cardiac-Specific Overexpression of Caveolin-3 Attenuates Cardiac Hypertrophy and Increases Natriuretic Peptide Expression and Signaling. <i>Journal of the American College of Cardiology</i> , 2011, 57, 2273-2283.	1.2	86
7	Perineural but not systemic low-dose dexamethasone prolongs the duration of interscalene block with ropivacaine: a prospective randomized trial. <i>Local and Regional Anesthesia</i> , 2014, 7, 5.	2.8	77
8	Molecular Mechanisms Underlying Ketamine-mediated Inhibition of Sarcolemmal Adenosine Triphosphate-sensitive Potassium Channels. <i>Anesthesiology</i> , 2005, 102, 93-101.	1.3	59
9	Isoflurane Produces Sustained Cardiac Protection after Ischemia-Reperfusion Injury in Mice. <i>Anesthesiology</i> , 2006, 104, 495-502.	1.3	58
10	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.	1.3	58
11	Role of Caveolin-3 and Glucose Transporter-4 in Isoflurane-induced Delayed Cardiac Protection. <i>Anesthesiology</i> , 2010, 112, 1136-1145.	1.3	52
12	Dark chocolate receptors: epicatechin-induced cardiac protection is dependent on $\mu$ -opioid receptor stimulation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H1604-H1609.	1.5	51
13	Compound K, a metabolite of ginsenosides, induces cardiac protection mediated nitric oxide via Akt/PI3K pathway. <i>Life Sciences</i> , 2011, 88, 725-729.	2.0	49
14	Neurokinin-1 receptor antagonism, aprepitant, effectively diminishes post-operative nausea and vomiting while increasing analgesic tolerance in laparoscopic gynecological procedures. <i>Journal of Medical Investigation</i> , 2011, 58, 246-251.	0.2	46
15	Molecular Mechanisms of the Inhibitory Effects of Propofol and Thiamylal on Sarcolemmal Adenosine Triphosphate-sensitive Potassium Channels. <i>Anesthesiology</i> , 2004, 100, 338-346.	1.3	45
16	Caveolins: targeting pro-survival signaling in the heart and brain. <i>Frontiers in Physiology</i> , 2012, 3, 393.	1.3	40
17	Clinically Relevant Concentrations of Propofol Have No Effect on Adenosine Triphosphate-sensitive Potassium Channels in Rat Ventricular Myocytes. <i>Anesthesiology</i> , 2002, 96, 1472-1477.	1.3	38
18	Role of 12-lipoxygenase in volatile anesthetic-induced delayed preconditioning in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H979-H983.	1.5	35

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19	Opioid-Induced Preconditioning Is Dependent on Caveolin-3 Expression. <i>Anesthesia and Analgesia</i> , 2010, 111, 1117-1121.	1.1	35
20	Role of the O-linked Î²-NÂ-acetylglucosamine in the Cardioprotection Induced by Isoflurane. <i>Anesthesiology</i> , 2011, 115, 955-962.	1.3	32
21	Long-chain monounsaturated fatty acids improve endothelial function with altering microbial flora. <i>Translational Research</i> , 2021, 237, 16-30.	2.2	27
22	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.	0.9	25
23	Exendin-4 ameliorates cardiac ischemia/reperfusion injury via caveolae and caveolins-3. <i>Cardiovascular Diabetology</i> , 2014, 13, 132.	2.7	25
24	Remimazolam decreased the incidence of early postoperative nausea and vomiting compared to desflurane after laparoscopic gynecological surgery. <i>Journal of Anesthesia</i> , 2022, 36, 265-269.	0.7	22
25	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.	0.7	20
26	Blockade of Adenosine Triphosphate-sensitive Potassium Channels by Thiamylal in Rat Ventricular Myocytes. <i>Anesthesiology</i> , 2000, 92, 1154-1159.	1.3	19
27	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.	0.7	18
28	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.	0.7	18
29	Lidocaine and Mexiletine Inhibit Mitochondrial Oxidation in Rat Ventricular Myocytes. <i>Anesthesiology</i> , 2001, 95, 766-770.	1.3	17
30	Intraoperative responses of motor evoked potentials to the novel intravenous anesthetic remimazolam during spine surgery: a report of two cases. <i>JA Clinical Reports</i> , 2020, 6, 97.	0.2	16
31	Branched-chain amino acids-induced cardiac protection against ischemia/reperfusion injury. <i>Life Sciences</i> , 2020, 245, 117368.	2.0	15
32	Albumin-normalized serum zinc: a clinically useful parameter for detecting taste impairment in patients undergoing dialysis. <i>Nutrition Research</i> , 2014, 34, 11-16.	1.3	13
33	Whey Peptide-Based Formulas With Î³-3 Fatty Acids Are Protective in Lipopolysaccharide-Mediated Sepsis. <i>Journal of Parenteral and Enteral Nutrition</i> , 2015, 39, 552-561.	1.3	13
34	Geranylgeranylacetone protects the heart via caveolae and caveolin-3. <i>Life Sciences</i> , 2014, 101, 43-48.	2.0	11
35	General anesthesia for electroconvulsive therapy with Brugada electrocardiograph pattern. <i>Journal of Medical Investigation</i> , 2011, 58, 273-276.	0.2	10
36	Anesthetic Management of a Patient With Charcot-Marie-Tooth Disease. <i>Anesthesia Progress</i> , 2016, 63, 80-83.	0.2	10

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37	Effects of Remimazolam and Propofol on Ca <sup>2+</sup> Regulation by Ryanodine Receptor 1 with Malignant Hyperthermia Mutation. <i>BioMed Research International</i> , 2021, 2021, 1-11.	0.9	10
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.	0.7	9
39	A Comparison of Fosaprepitant and Ondansetron for Preventing Postoperative Nausea and Vomiting in Moderate to High Risk Patients: A Retrospective Database Analysis. <i>BioMed Research International</i> , 2017, 2017, 1-5.	0.9	9
40	The Efficacy of Programmed Intermittent Epidural Bolus for Postoperative Analgesia after Open Gynecological Surgery: A Randomized Double-Blinded Study. <i>BioMed Research International</i> , 2018, 2018, 1-7.	0.9	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.	1.1	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.	1.2	9
43	The synergistic effects of omega-3 fatty acids against 5-fluorouracil-induced mucosal impairment in mice. <i>BMC Nutrition</i> , 2016, 2, .	0.6	6
44	Malignant hyperthermia in a 16-day-old infant with congenital diaphragmatic hernia: a case report. <i>Journal of Anesthesia</i> , 2021, 35, 311-314.	0.7	6
45	Prediction of blood pressure change during surgical incision under opioid analgesia using sympathetic response evoking threshold. <i>Scientific Reports</i> , 2021, 11, 9558.	1.6	6
46	Signaling Epicenters: The Role of Caveolae and Caveolins in Volatile Anesthetic Induced Cardiac Protection. <i>Current Pharmaceutical Design</i> , 2014, 20, 5681-5689.	0.9	6
47	Real-time assessment of swallowing sound using an electronic stethoscope and an artificial intelligence system. <i>Clinical and Experimental Dental Research</i> , 2022, 8, 225-230.	0.8	6
48	Anesthetic Management of a Patient With Multiple Sclerosis. <i>Anesthesia Progress</i> , 2017, 64, 97-101.	0.2	5
49	Propofol induces the elevation of intracellular calcium via morphological changes in intracellular organelles, including the endoplasmic reticulum and mitochondria. <i>European Journal of Pharmacology</i> , 2020, 884, 173303.	1.7	5
50	Postoperative around-the-clock administration of intravenous acetaminophen for pain control following robot-assisted radical prostatectomy. <i>Scientific Reports</i> , 2021, 11, 5174.	1.6	5
51	Characterization of intracellular calcium mobilization induced by remimazolam, a newly approved intravenous anesthetic. <i>PLoS ONE</i> , 2022, 17, e0263395.	1.1	5
52	Anesthetic Management of a Patient With Ehlers-Danlos Syndrome. <i>Anesthesia Progress</i> , 2016, 63, 204-207.	0.2	4
53	An outcome study of adult in-hospital cardiac arrests in non-monitored areas with resuscitation attempted using AED. <i>American Journal of Emergency Medicine</i> , 2020, 38, 2524-2530.	0.7	4
54	Rocuronium-induced respiratory paralysis refractory to sugammadex in Charcot-Marie-Tooth disease. <i>Canadian Journal of Anaesthesia</i> , 2022, 69, 364-368.	0.7	4

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55	Age-Specific Clinical Features of Pediatric Malignant Hyperthermia: A Review of 187 Cases Over 60 Years in Japan. <i>Anesthesia and Analgesia</i> , 2021, Publish Ahead of Print, .	1.1	4
56	The effects of dantrolene in the presence or absence of ryanodine receptor type 1 variants in individuals predisposed to malignant hyperthermia. <i>Anaesthesia and Intensive Care</i> , 2022, 50, 312-319.	0.2	4
57	Postoperative nausea and vomiting following lower limb surgeryâ€¦:a comparison between single-injection intraarticular anesthesia and continuous epidural anesthesia. <i>Journal of Medical Investigation</i> , 2019, 66, 303-307.	0.2	3
58	Neurokinin-1 receptor antagonists for postoperative nausea and vomiting: a systematic review and meta-analysis. <i>Brazilian Journal of Anesthesiology (Elsevier)</i> , 2020, 70, 508-519.	0.2	3
59	Early Diagnosis of the Cardiopulmonary Collapse Type of Amniotic Fluid Embolism with Obstetrical Disseminated Intravascular Coagulation during Elective Cesarean Sectionâ€¦: A Case Report. <i>Journal of Medical Investigation</i> , 2020, 67, 207-210.	0.2	3
60	Intravenous patient-controlled analgesia does not increase the risk of postoperative delirium compared to patient-controlled epidural analgesia: a propensity score-matched retrospective cohort study. <i>Annals of Palliative Medicine</i> , 2021, 10, 0-0.	0.5	3
61	Anesthetic Management of a Patient With Restless Legs Syndrome: A Case Report. <i>Anesthesia Progress</i> , 2020, 67, 226-229.	0.2	3
62	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.	0.2	2
63	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.	0.7	2
64	Management of infusion reactions associated with cetuximab treatment: A case report. <i>Molecular and Clinical Oncology</i> , 2017, 6, 853-855.	0.4	2
65	Effectiveness of using nonâ€invasive continuous arterial pressure monitoring with ClearSight in hemodynamic monitoring during living renal transplantation in a recipient:a case report. <i>Journal of Medical Investigation</i> , 2018, 65, 139-141.	0.2	2
66	Anesthetic management of a patient with methylmalonic acidemia: a case report. <i>JA Clinical Reports</i> , 2018, 4, 71.	0.2	2
67	Concurrent positive skin tests to prophylactic antibiotics and rocuronium in two patients with life-threatening anaphylaxis after induction of anesthesia. <i>JA Clinical Reports</i> , 2021, 7, 37.	0.2	2
68	Impact of fentanyl on acute and chronic pain and its side effects when used with epidural analgesia after thoracic surgery in multimodal analgesia: a retrospective cohort study. <i>Annals of Palliative Medicine</i> , 2021, 10, 52-52.	0.5	2
69	Anesthetic Management of Patient With Dravet Syndrome: A Case Report. <i>Anesthesia Progress</i> , 2019, 66, 156-158.	0.2	2
70	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.	0.2	2
71	The effect of 1% glucose loading on metabolism in the elderly patients during remifentanil-induced anesthesia: a randomized controlled trial. <i>BMC Anesthesiology</i> , 2020, 20, 143.	0.7	1
72	Pharmacokinetics of intraperitoneal and subcutaneous levobupivacaine in anesthetized rats. <i>Journal of Anesthesia</i> , 2021, 35, 168-174.	0.7	1

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73	Paradoxical increase in the photoplethysmography amplitude in response to nociceptive stimulation induced by tracheal intubation. A case report. <i>Journal of Medical Investigation</i> , 2021, 68, 383-385.	0.2	1
74	Venous cannula occlusion during cardiopulmonary bypass recognized by ultrasonography of the internal jugular vein. <i>JA Clinical Reports</i> , 2022, 8, 29.	0.2	1
75	Jelly-type carbohydrate supplement in healthy subjects suppresses the catabolism of adipose tissue and muscle protein and improves their satisfactions. <i>Clinical Nutrition Experimental</i> , 2018, 19, 1-11.	2.0	0
76	Evaluation of a new face mask concept for oxygen administration: a crossover study in healthy volunteers. <i>Journal of Anesthesia</i> , 2020, 34, 950-952.	0.7	0
77	Ultrasound-guided Thoracic Paravertebral Block after Surgery for Biliary Atresia in a Neonate. <i>The Journal of Japan Society for Clinical Anesthesia</i> , 2021, 41, 47-53.	0.0	0
78	Acute-onset paraplegia as an unexpected complication under general anesthesia in supine position during abdominal endovascular aneurysm repair: a case report. <i>JA Clinical Reports</i> , 2021, 7, 44.	0.2	0
79	Postoperative Tracheal Compression Requiring Transposition of the Brachiocephalic Artery After Bentall Surgery Combined With Total Arch Replacement in a Patient With Loeys-Dietz Syndrome. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, , .	0.6	0
80	Postoperative Respiratory Failure Due to Pulmonary Embolism and Phrenic Nerve Hemiparalysis during Continuous Interscalene Brachial Plexus Block after Shoulder Surgery. A Case Report. <i>The Journal of Japan Society for Clinical Anesthesia</i> , 2021, 41, 322-326.	0.0	0
81	A case of placenta percreta with massive hemorrhage during cesarean section. <i>Journal of Medical Investigation</i> , 2000, 40, 208-212.	0.2	0
82	Dynamin and caveolae in cardiac ischemic preconditioning. <i>FASEB Journal</i> , 2009, 23, LB381.	0.2	0
83	Role of mTOR/p70S6K in amino acid induced cardiac protection. <i>FASEB Journal</i> , 2010, 24, 927.6.	0.2	0
84	Compound K produces cardiac protection by activating Akt phosphorylation. <i>FASEB Journal</i> , 2010, 24, 540.16.	0.2	0
85	Protective effects of amino acids on the ischemic myocardium via mTOR/S6 kinase pathway. <i>FASEB Journal</i> , 2012, 26, 852.3.	0.2	0
86	Reply to the letter titled "Difficult to evaluate the effect of remimazolam". <i>Journal of Anesthesia</i> , 2022, , 1.	0.7	0