

Atsuhiro Sakamoto

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

1,393
citations

516710

16
h-index

361022

35
g-index

85
all docs

85
docs citations

85
times ranked

1454
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficacy and safety of remimazolam versus propofol for general anesthesia: a multicenter, single-blind, randomized, parallel-group, phase IIb/III trial. <i>Journal of Anesthesia</i> , 2020, 34, 543-553.	1.7	219
2	Inflammation Triggered by SARS-CoV-2 and ACE2 Augment Drives Multiple Organ Failure of Severe COVID-19: Molecular Mechanisms and Implications. <i>Inflammation</i> , 2021, 44, 13-34.	3.8	162
3	Safety and efficacy of remimazolam in induction and maintenance of general anesthesia in high-risk surgical patients (ASA Class III): results of a multicenter, randomized, double-blind, parallel-group comparative trial. <i>Journal of Anesthesia</i> , 2020, 34, 491-501.	1.7	120
4	Volatile anaesthetics enhance the metastasis related cellular signalling including CXCR2 of ovarian cancer cells. <i>Oncotarget</i> , 2016, 7, 26042-26056.	1.8	100
5	Influence of inhalation anesthesia assessed by comprehensive gene expression profiling. <i>Gene</i> , 2005, 356, 39-48.	2.2	75
6	Anesthesia, surgical stress, and long-term outcomes. <i>Acta Anaesthesiologica Taiwanica</i> , 2015, 53, 99-104.	1.0	65
7	Landiolol, an Ultra-Short-Acting β_1 -Blocker, More Effectively Terminates Atrial Fibrillation Than Diltiazem After Open Heart Surgery. <i>Circulation Journal</i> , 2012, 76, 1097-1101.	1.6	60
8	Effect of Nasal Continuous Positive Airway Pressure on Pulmonary Edema Complicating Acute Myocardial Infarction. <i>Japanese Circulation Journal</i> , 1998, 62, 553-558.	1.0	59
9	Volatile anesthetic sevoflurane ameliorates endotoxin-induced acute lung injury via microRNA modulation in rats. <i>Biomedical Reports</i> , 2015, 3, 408-412.	2.0	42
10	miR-15b mediates oxaliplatin-induced chronic neuropathic pain through BACE1 downregulation. <i>British Journal of Pharmacology</i> , 2017, 174, 386-395.	5.4	39
11	Changes in the gene expression levels of microRNAs in the rat hippocampus by sevoflurane and propofol anesthesia. <i>Molecular Medicine Reports</i> , 2014, 9, 1715-1722.	2.4	38
12	A PROSTAGLANDIN E2 RECEPTOR SUBTYPE EP4 AGONIST ATTENUATES CARDIOVASCULAR DEPRESSION IN ENDOTOXIN SHOCK BY INHIBITING INFLAMMATORY CYTOKINES AND NITRIC OXIDE PRODUCTION. <i>Shock</i> , 2004, 22, 76-81.	2.1	36
13	Perioperative Landiolol Administration reduces Atrial Fibrillation after Cardiac Surgery: A Meta-analysis of Randomized Controlled Trials. <i>Advances in Therapy</i> , 2014, 31, 440-450.	2.9	31
14	Epigenetic Suppression of Mouse Per2 Expression in the Suprachiasmatic Nucleus by the Inhalational Anesthetic, Sevoflurane. <i>PLoS ONE</i> , 2014, 9, e87319.	2.5	29
15	Sevoflurane anesthesia persistently downregulates muscle-specific microRNAs in rat plasma. <i>International Journal of Molecular Medicine</i> , 2014, 34, 291-298.	4.0	18
16	Characterization of sevoflurane effects on Per2 expression using ex vivo bioluminescence imaging of the suprachiasmatic nucleus in transgenic rats. <i>Neuroscience Research</i> , 2016, 107, 30-37.	1.9	18
17	Efficacy and Safety of the Ultra-Short-Acting β_1 -Selective Blocker Landiolol in Patients With Recurrent Hemodynamically Unstable Ventricular Tachyarrhythmias: Outcomes of J-Land II Study. <i>Circulation Journal</i> , 2019, 83, 1456-1462.	1.6	17
18	Landiolol attenuates acute hemodynamic responses but does not reduce seizure duration during maintenance electroconvulsive therapy. <i>Psychiatry and Clinical Neurosciences</i> , 2004, 58, 630-635.	1.8	16

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19	Increased H19 Long Non-coding RNA Expression in Schwann Cells in Peripheral Neuropathic Pain. Journal of Nippon Medical School, 2019, 86, 215-221.	0.9	16
20	Postoperative desaturation and bradypnea after general anesthesia in non-ICU patients: a retrospective evaluation. Journal of Clinical Monitoring and Computing, 2020, 34, 81-87.	1.6	15
21	What is the manner of gastric emptying after ingestion of liquids with differences in the volume under uniform glucose-based energy content?. Clinical Nutrition, 2017, 36, 1283-1287.	5.0	14
22	Idiopathic pulmonary fibrosis patient supported with extracorporeal membrane oxygenation for 403 days while waiting for a lung transplant: A case report. Respiratory Medicine Case Reports, 2018, 24, 86-88.	0.4	14
23	Sevoflurane and Desflurane Exposure Enhanced Cell Proliferation and Migration in Ovarian Cancer Cells via miR-210 and miR-138 Downregulation. International Journal of Molecular Sciences, 2021, 22, 1826.	4.1	13
24	Anesthetics may modulate cancer surgical outcome: a possible role of miRNAs regulation. BMC Anesthesiology, 2021, 21, 71.	1.8	13
25	Gastric tube insertion under direct vision using the King Vision [®] video laryngoscope: a randomized, prospective, clinical trial. BMC Anesthesiology, 2014, 14, 82.	1.8	12
26	Inhalational Anesthetics Inhibit Neuroglioma Cell Proliferation and Migration via miR-138, -210 and -335. International Journal of Molecular Sciences, 2021, 22, 4355.	4.1	10
27	Identical MicroRNAs Regulate Liver Protection during Anaesthetic and Ischemic Preconditioning in Rats: An animal study. PLoS ONE, 2015, 10, e0125866.	2.5	10
28	Specific microRNAs are involved in the renoprotective effects of sevoflurane preconditioning and ischemic preconditioning against ischemia reperfusion injury in rats. International Journal of Molecular Medicine, 2020, 45, 1141-1149.	4.0	9
29	Repeated propofol anesthesia for a patient with a history of neuroleptic malignant syndrome.. Nippon Medical School Journal, 1999, 66, 262-265.	0.0	8
30	Activation of the Adenosine Triphosphate Sensitive Mitochondrial Potassium Channel is Involved in the Cardioprotective Effect of Isoflurane.. Journal of Nippon Medical School, 2001, 68, 238-245.	0.9	8
31	Remifentanyl-induced alterations in neutrophil numbers after surgery. JA Clinical Reports, 2016, 2, 5.	0.7	7
32	Does Carboxy-hemoglobin Serve as a Stress-induced Inflammatory Marker Reflecting Surgical Insults?. Journal of Nippon Medical School, 2005, 72, 19-28.	0.9	7
33	Surgery cancellations after entering the operating room. JA Clinical Reports, 2016, 2, 40.	0.7	6
34	Worse ECOG-PS Is Associated with Increased 30-Day Mortality among Adults Older than 90 Years Undergoing Non-Cardiac Surgery: A Single-Center Retrospective Study. Journal of Nippon Medical School, 2022, 89, 295-300.	0.9	6
35	Anesthetic Considerations of Intraoperative Neuromonitoring in Thyroidectomy. Journal of Nippon Medical School, 2019, 86, 263-268.	0.9	5
36	The value of acoustic respiratory rate monitoring in a patient with postoperative hemorrhage after thyroidectomy: a case report. Journal of Clinical Monitoring and Computing, 2020, 34, 147-150.	1.6	5

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37	Factors Associated with Postoperative Nausea and Vomiting after Breast Cancer Surgery with Inhalation Anesthesia. <i>Journal of Nippon Medical School</i> , 2021, 88, 418-422.	0.9	5
38	Establishment of an in vitro cell line experimental system for the study of inhalational anesthetic mechanisms. <i>Neuroscience Letters</i> , 2016, 620, 163-168.	2.1	4
39	Skin burn related to pulse oximetry during photodynamic therapy using talaporfin sodium. <i>JA Clinical Reports</i> , 2018, 4, 69.	0.7	4
40	Effect of Robot-assisted Surgery on Anesthetic and Perioperative Management for Minimally Invasive Radical Prostatectomy under Combined General and Epidural Anesthesia. <i>Journal of Nippon Medical School</i> , 2021, 88, 121-127.	0.9	4
41	Establishment and evaluation of a rat model of extracorporeal membrane oxygenation (ECMO) thrombosis using a 3D-printed mock-oxygenator. <i>Journal of Translational Medicine</i> , 2021, 19, 179.	4.4	4
42	Effects of temperature and preservation time on the pharmacological response of isolated vascular endothelial and smooth muscle function.. <i>Nippon Medical School Journal</i> , 1999, 66, 15-20.	0.0	4
43	Inhibition of lipid peroxidation by some dihydropyridine derivatives. <i>Journal of Anesthesia</i> , 1993, 7, 193-197.	1.7	3
44	A case of unexpectedly difficult intubation caused by a large asymptomatic choanal polyp. <i>JA Clinical Reports</i> , 2016, 2, 2.	0.7	3
45	Subarachnoid Block-Induced Deafferentation Pain Successfully Treated with Pentazocine. <i>Journal of Nippon Medical School</i> , 2017, 84, 183-185.	0.9	3
46	Successful Intensive Care Treatment of Severe Lactic Acidosis and Tumor Lysis Syndrome Related to Intravascular Lymphoma. <i>Journal of Nippon Medical School</i> , 2020, 87, 32-36.	0.9	3
47	Recurrence of breast cancer after anaesthesia. <i>Lancet, The</i> , 2020, 396, 375-376.	13.7	3
48	Therapeutic Effects of High Molecular Weight Hyaluronic Acid in Severe Pseudomonas Aeruginosa Pneumonia in Ex Vivo Perfused Human Lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L827-L836.	2.9	3
49	The Efficacy and Safety of Dexmedetomidine for Sedation During Surgery Under Epidural or Spinal Anesthesia: A Randomized, Double-Blind, Placebo-Controlled Study. <i>Yonago Acta Medica</i> , 2022, 65, 14-25.	0.7	3
50	Identification of Brain Regions Activated by Sevoflurane and Propofol and Regional Changes in Gene Expression. <i>Acta Histochemica Et Cytochemica</i> , 2022, 55, 37-46.	1.6	3
51	Local cardiac wall stabilization influences the reproducibility of regional wall motion during off-pump coronary artery pass surgery. <i>Journal of Clinical Monitoring and Computing</i> , 2000, 16, 25-31.	1.6	2
52	Anatomical and physiological variables influencing measurement of regional cerebral oxygen saturation by near infrared spectroscopy using the Sensmart Model X-100TM. <i>Journal of Clinical Monitoring and Computing</i> , 2020, 35, 1063-1068.	1.6	2
53	Patient SafetyNet for the Evaluation of Postoperative Respiratory Status by Nurses: A Presurvey and Postsurvey Study. <i>Journal of Perianesthesia Nursing</i> , 2021, 36, 14-17.	0.7	2
54	Relationship between nitric oxide and carbon monoxide during endotoxin shock. <i>Journal of the Japanese Society of Intensive Care Medicine</i> , 2001, 8, 15-19.	0.0	2

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55	Effects of general anesthesia on behavioral circadian rhythms and clock-gene expression in the suprachiasmatic nucleus in rats. <i>Histochemistry and Cell Biology</i> , 2022, 158, 149-158.	1.7	2
56	Statistical analysis of visual prognosis following stellate ganglion block treatment on patients with retinal vessel obstruction. <i>Journal of Anesthesia</i> , 1994, 8, 40-43.	1.7	1
57	Effect of electroconvulsive stimulation on messenger RNA expression in the prefrontal cortex in a rat pain model. <i>Biomedical Reports</i> , 2015, 3, 802-806.	2.0	1
58	Feasibility and Safety of Negative-Balance Isolated Pelvic Perfusion in Patients with Pretreated Recurrent or Persistent Uterine Cervical Cancer. <i>Annals of Surgical Oncology</i> , 2015, 22, 3981-3989.	1.5	1
59	Severe respiratory depression and bradycardia before induction of anesthesia and onset of Takotsubo cardiomyopathy after cardiopulmonary resuscitation. <i>Journal of Clinical Anesthesia</i> , 2016, 35, 275-277.	1.6	1
60	The Effect of Continuous Field Block through Intercostal Muscles after Atrial Septal Defect Closure via a Mini-Right Thoracotomy in Pediatric Patients. <i>Journal of Nippon Medical School</i> , 2021, 88, 347-353.	0.9	1
61	Different Effects of Inhalation Anesthetics on Calcium Homeostasis in the Cardiac Muscle of Isolated Working Rat Hearts. <i>Biomedical Research</i> , 2003, 24, 141-146.	0.9	1
62	Relationship between nitric oxide and carbon monoxide during inflammatory cytokine-induced cardiac depression. <i>Biomedical Research</i> , 2004, 25, 53-60.	0.9	1
63	Transition of treatment with noninvasive positive pressure ventilation in the intensive care unit. <i>Journal of the Japanese Society of Intensive Care Medicine</i> , 2006, 13, 41-47.	0.0	1
64	Comparison of Gastric Emptying Time after the Ingestion of Whisky with Isocalorically Adjusted Glucose Solution. <i>Journal of Nutrition and Metabolism</i> , 2022, 2022, 1-6.	1.8	1
65	Anaphylactoid reaction associated with blood transfusion during anesthesia. <i>Journal of Anesthesia</i> , 1993, 7, 248-252.	1.7	0
66	Efficient Preoperative Examinations. <i>The Journal of Japan Society for Clinical Anesthesia</i> , 2016, 36, 590-592.	0.0	0
67	Anesthetic management of a patient with esophageal penetration of a tracheal stent: a case report. <i>JA Clinical Reports</i> , 2016, 2, 42.	0.7	0
68	A Monitoring System for Medical Accidents and Informed Consent. <i>The Journal of Japan Society for Clinical Anesthesia</i> , 2018, 38, 63-66.	0.0	0
69	Cerebral regional oxygen saturation: a useful monitor during a surgical procedure involving the right-sided aortic arch in an infant. <i>Journal of Anesthesia</i> , 2019, 33, 701-703.	1.7	0
70	Response to the letter: Research protocol and complementary results. <i>Journal of Clinical Monitoring and Computing</i> , 2020, 34, 193-195.	1.6	0
71	Hospital survival outcomes in acute respiratory distress syndrome patients receiving veno-venous extracorporeal membrane oxygenation for longer than 28 days: A retrospective study. <i>Artificial Organs</i> , 2021, 45, 1533-1542.	1.9	0
72	Open Cardiac Surgery in a Patient With Chronic Budd-Chiari Syndrome. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 3042-3044.	1.3	0

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73	Ambulatory Anesthesia for Maintenance Electroconvulsive Therapy.. The Journal of Japan Society for Clinical Anesthesia, 2001, 21, 495-501.	0.0	0
74	Transcriptional Down-regulation of Tumor Necrosis Factor- α Gene by Early Given Pentoxifylline: A Quantitative Demonstration in Rats with Peritoneal Sepsis. Biomedical Research, 2003, 24, 187-194.	0.9	0
75	External high-frequency oscillation for hypercapnia after upper abdominal surgery.. Nippon Medical School Journal, 1997, 64, 440-445.	0.0	0
76	Does Intraoperative Sedation by Dexmedetomidine Prevent Postoperative Sleep Disorder? Retrospective Study. The Journal of Japan Society for Clinical Anesthesia, 2019, 39, 278-281.	0.0	0
77	Opioid-free anesthesia for a child with trisomy 13 with obstructive sleep apnea: a case report. JA Clinical Reports, 2020, 6, 45.	0.7	0
78	A case of successful respiratory management with veno venous ECMO and double lumen endobronchial tube for residual lung acute respiratory distress syndrome after hemi-pneumonectomy. Journal of the Japanese Society of Intensive Care Medicine, 2020, 27, 497-498.	0.0	0
79	The need for an adult intensive care unit boot camp for residents and fellows: a cross-sectional survey among intensive care unit directors. Journal of Nippon Medical School, 2022, , .	0.9	0