

Michiaki Yamakage

List of Publications by Year in descending order

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78
papers

1,155
citations

430874

18
h-index

434195

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78
all docs

78
docs citations

78
times ranked

876
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium channels " basic aspects of their structure, function and gene encoding; anesthetic action on the channels " a review. Canadian Journal of Anaesthesia, 2002, 49, 151-164.	1.6	122
2	Inhibitory Effects of Thiopental, Ketamine, and Propofol on Voltage-dependent Calcium sup 2+ Channels in Porcine Tracheal Smooth Muscle Cells. Anesthesiology, 1995, 83, 1274-1282.	2.5	99
3	Direct Inhibitory Mechanisms of Halothane on Canine Tracheal Smooth Muscle Contraction. Anesthesiology, 1992, 77, 546-553.	2.5	71
4	Colloid solutions: a clinical update. Journal of Anesthesia, 2010, 24, 913-925.	1.7	46
5	Different Inhibitory Effects of Volatile Anesthetics on T- and L-type Voltage-dependent Ca ²⁺ Channels in Porcine Tracheal and Bronchial Smooth Muscles. Anesthesiology, 2001, 94, 683-693.	2.5	40
6	Effects of Halothane and Isoflurane on Cytosolic Calcium Ion Concentrations and Contraction in the Vascular Smooth Muscle of the Rat Aorta. Anesthesiology, 1993, 78, 531-540.	2.5	39
7	Effects of adrenergic stimulus on the activities of Ca ²⁺ and K ⁺ channels of dorsal root ganglion neurons in a neuropathic pain model1Published on the World Wide Web on 26 April 1999.1. Brain Research, 1999, 832, 195-206.	2.2	39
8	The infusion rate of most disposable, non-electric infusion pumps decreases under hypobaric conditions. Canadian Journal of Anaesthesia, 2003, 50, 657-662.	1.6	38
9	Inhibitory Effects of Four Inhaled Anesthetics on Canine Tracheal Smooth Muscle Contraction and Intracellular Ca ²⁺ Concentration. Anesthesia and Analgesia, 1993, 77, 67-72.	2.2	32
10	Sevoflurane inhibits contraction of uterine smooth muscle from pregnant rats similarly to halothane and isoflurane. Canadian Journal of Anaesthesia, 2002, 49, 62-66.	1.6	32
11	Changes in respiratory pattern and arterial blood gases during sedation with propofol or midazolam in spinal anesthesia. Journal of Clinical Anesthesia, 1999, 11, 375-379.	1.6	31
12	Carbon Dioxide Absorbents Containing Potassium Hydroxide Produce Much Larger Concentrations of Compound A from Sevoflurane in Clinical Practice. Anesthesia and Analgesia, 2000, 91, 220-224.	2.2	31
13	Inhibitory Effects of Diazepam and Midazolam on Ca ²⁺ and K ⁺ Channels in Canine Tracheal Smooth Muscle Cells. Anesthesiology, 1999, 90, 197-207.	2.5	30
14	Evaluation of a newly developed monitor of deep body temperature. Journal of Anesthesia, 2002, 16, 354-357.	1.7	27
15	Guideline-oriented perioperative management of patients with bronchial asthma and chronic obstructive pulmonary disease. Journal of Anesthesia, 2008, 22, 412-428.	1.7	27
16	The usefulness of celite-activated thromboelastography for evaluation of fibrinolysis. Canadian Journal of Anaesthesia, 1998, 45, 993-996.	1.6	25
17	The Usefulness of an Earphone-Type Infrared Tympanic Thermometer for Intraoperative Core Temperature Monitoring. Anesthesia and Analgesia, 2007, 105, 1688-1692.	2.2	23
18	Design of oxygen delivery systems influences both effectiveness and comfort in adult volunteers. Canadian Journal of Anaesthesia, 2003, 50, 1052-1055.	1.6	20

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19	Remimazolam anesthesia for cardiac surgery with cardiopulmonary bypass: a case report. <i>JA Clinical Reports</i> , 2021, 7, 21.	0.7	20
20	Differential effects of remimazolam and propofol on heart rate variability during anesthesia induction. <i>Journal of Anesthesia</i> , 2022, 36, 239-245.	1.7	19
21	Different Inhibitory Effects of Sevoflurane on Hyperreactive Airway Smooth Muscle Contractility in Ovalbumin-sensitized and Chronic Cigarette-smoking Guinea Pig Models. <i>Anesthesiology</i> , 2006, 105, 753-763.	2.5	17
22	Role of Intracellular Ca ²⁺ -Stores in the Inhibitory Effect of Halothane on Airway Smooth Muscle Contraction. <i>Anesthesiology</i> , 1998, 89, 165-173.	2.5	16
23	Clinical Utility of Intraoperative Motor-Evoked Potential Monitoring to Prevent Postoperative Spinal Cord Injury in Thoracic and Thoracoabdominal Aneurysm Repair: An Audit of the Japanese Association of Spinal Cord Protection in Aortic Surgery Database. <i>Anesthesia and Analgesia</i> , 2018, 126, 763-768.	2.2	16
24	The Utility of Tracheal Temperature Monitoring. <i>Anesthesia and Analgesia</i> , 1993, 76, 795-799.	2.2	15
25	Inhibitory Effects of Volatile Anesthetics on K ⁺ and Cl ⁻ Channel Currents in Porcine Tracheal and Bronchial Smooth Muscle. <i>Anesthesiology</i> , 2002, 96, 458-466.	2.5	15
26	Inhibitory effects of volatile anesthetics on currents produced on heterologous expression of KvLQT1 and minK in <i>Xenopus</i> oocytes. <i>Vascular Pharmacology</i> , 2002, 39, 33-38.	2.1	14
27	Early induction of direct hemoperfusion with a polymyxin-B immobilized column is associated with amelioration of hemodynamic derangement and mortality in patients with septic shock. <i>Journal of Artificial Organs</i> , 2017, 20, 71-75.	0.9	14
28	Use of the fiberoptic stylet scope (Styletscope [®]) reduces the hemodynamic response to intubation in normotensive and hypertensive patients. <i>Canadian Journal of Anaesthesia</i> , 2001, 48, 919-923.	1.6	13
29	Carbon Dioxide Absorbents Containing Potassium Hydroxide Produce Much Larger Concentrations of Compound A from Sevoflurane in Clinical Practice. <i>Anesthesia and Analgesia</i> , 2000, 91, 220-224.	2.2	12
30	Intermittent pneumatic compression prevents venous stasis in the lower extremities in the lithotomy position. <i>Canadian Journal of Anaesthesia</i> , 2002, 49, 144-147.	1.6	12
31	Cellular mechanisms of airway smooth muscle relaxant effects of anesthetic agents. <i>Journal of Anesthesia</i> , 2003, 17, 251-258.	1.7	12
32	Predictors of hypofibrinogenemia in blunt trauma patients on admission. <i>Journal of Anesthesia</i> , 2015, 29, 242-248.	1.7	12
33	Low-temperature Modification of the Inhibitory Effects of Volatile Anesthetics on Airway Smooth Muscle Contraction in Dogs. <i>Anesthesiology</i> , 2000, 93, 179-188.	2.5	11
34	Usefulness of Endoflex endotracheal tube for oral and nasal tracheal intubations. <i>European Journal of Anaesthesiology</i> , 2009, 26, 661-665.	1.7	11
35	Celite-activated viscometer Sonoclot can measure the suppressive effect of tranexamic acid on hyperfibrinolysis in cardiac surgery. <i>Journal of Anesthesia</i> , 2001, 15, 17-21.	1.7	10
36	Production of compound A under low-flow anesthesia is affected by type of anesthetic machine. <i>Canadian Journal of Anaesthesia</i> , 2001, 48, 435-438.	1.6	9

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37	Using the Bair Hugger [®] , [†] temperature monitoring system in neck and chest regions: a pilot study. <i>JA Clinical Reports</i> , 2019, 5, 32.	0.7	9
38	Effects of anesthetic agents on contractions of the pregnant rat myometrium in vivo and in vitro. <i>Journal of Anesthesia</i> , 2021, 35, 68-80.	1.7	9
39	Inhibition of voltage-dependent Ca ²⁺ channels of porcine tracheal smooth muscle by the novel Ca ²⁺ channel antagonist RWJ-22108. <i>General Pharmacology</i> , 1997, 28, 689-694.	0.7	8
40	The Repolarizing Effects of Volatile Anesthetics on Porcine Tracheal and Bronchial Smooth Muscle Cells. <i>Anesthesia and Analgesia</i> , 2002, 94, 84-88.	2.2	8
41	Predictive Variables of Hypothermia in the Early Phase of General Anesthesia. <i>Anesthesia and Analgesia</i> , 2000, 90, 456.	2.2	7
42	Interaction Between Volatile Anesthetics and Hypoxia in Porcine Tracheal Smooth Muscle. <i>Anesthesia and Analgesia</i> , 2000, 91, 996-1002.	2.2	7
43	Pharmacokinetics and safety of 6% hydroxyethyl starch 130/0.4 in healthy male volunteers of Japanese ethnicity after single infusion of 500 ml solution. <i>Journal of Anesthesia</i> , 2012, 26, 851-857.	1.7	7
44	Heart rate variability during abdominal surgical manipulation under general and epidural anesthesia. <i>Journal of Anesthesia</i> , 2012, 26, 900-904.	1.7	7
45	Superior sealing effect of a three-dimensional printed modified supraglottic airway compared with the i-gel in a three-dimensional printed airway model. <i>Journal of Anesthesia</i> , 2018, 32, 655-662.	1.7	7
46	Association Between Motor-Evoked Potentials and Spinal Cord Damage Diagnosed With Magnetic Resonance Imaging After Thoracoabdominal and Descending Aortic Aneurysm Repair. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 1835-1842.	1.3	7
47	Recombinant human soluble thrombomodulin is associated with attenuation of sepsis-induced renal impairment by inhibition of extracellular histone release. <i>PLoS ONE</i> , 2020, 15, e0228093.	2.5	7
48	Effects of the Chinese Herbal Medicines Bupleuri radix, Ginseng radix, and Zingiberis rhizoma on Lymphatic Vessel Activity in Rats. <i>The American Journal of Chinese Medicine</i> , 2006, 34, 1063-1068.	3.8	6
49	Head Rotation Reduces Oropharyngeal Leak Pressure of the i-gel and LMA [®] Supreme [®] , [†] in Paralyzed, Anesthetized Patients: A Randomized Trial. <i>Anesthesia and Analgesia</i> , 2021, 132, 818-826.	2.2	6
50	The usefulness of an earphone-type infrared tympanic thermometer during cardiac surgery with cardiopulmonary bypass: clinical report. <i>Journal of Anesthesia</i> , 2011, 25, 576-579.	1.7	5
51	Cerebrospinal fluid drainage to prevent postoperative spinal cord injury in thoracic aortic repair. <i>Journal of Anesthesia</i> , 2021, 35, 43-50.	1.7	5
52	Inhibitory Effects of the Anesthetics Propofol and Sevoflurane on Spontaneous Lymphatic Vessel Activity in Rats. <i>Anesthesiology</i> , 2004, 101, 687-694.	2.5	4
53	The Impact of Air Transport for Acute Coronary Syndrome Patients. <i>Air Medical Journal</i> , 2019, 38, 73-77.	0.6	4
54	Effect of remimazolam on intraoperative neuromonitoring during thyroid surgery: a case series. <i>Journal of Anesthesia</i> , 2021, 35, 581-585.	1.7	4

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55	Efficacy and Practicality of Opioid Therapy in Japanese Chronic Noncancer Pain Patients. <i>Pain Management Nursing</i> , 2019, 20, 222-231.	0.9	3
56	The Direct Effects of Heparin and Protamine on Canine Tracheal Smooth Muscle Tone. <i>Anesthesia and Analgesia</i> , 1999, 88, 1232-1238.	2.2	2
57	The Repolarizing Effects of Volatile Anesthetics on Porcine Tracheal and Bronchial Smooth Muscle Cells. <i>Anesthesia and Analgesia</i> , 2002, 94, 84-88.	2.2	2
58	Can age-related mitochondrial dysfunction affect volatile anesthetic potency?. <i>Journal of Anesthesia</i> , 2014, 28, 805-806.	1.7	2
59	Phosphodiesterase 4 Inhibitor Roflumilast Improves the Bronchodilative Effect of Sevoflurane in Sensitized Airways. <i>Anesthesiology</i> , 2014, 120, 1152-1159.	2.5	2
60	Blocking of the saphenous and obturator nerves using a pectineus muscle plane block. <i>Journal of Clinical Anesthesia</i> , 2020, 60, 2-3.	1.6	2
61	Onset of vecuronium neuromuscular blockade at the hand with an arterio-venous shunt. <i>Canadian Journal of Anaesthesia</i> , 1997, 44, 1208-1210.	1.6	1
62	Three cases of implantation of a SureScan® system and MRI for investigating causes of pain. <i>Journal of Anesthesia</i> , 2017, 31, 915-917.	1.7	1
63	Successful awake craniotomy in an aged patient with a severe hearing impairment using a bone conduction voice amplifier: a case report. <i>JA Clinical Reports</i> , 2019, 5, 37.	0.7	1
64	Evaluation of pre- and post-dilution continuous veno-venous hemofiltration on leukocyte and platelet function in patients with sepsis. <i>International Journal of Artificial Organs</i> , 2019, 42, 9-16.	1.4	1
65	A case of fulminant type 1 diabetes associated with pregnancy. <i>Journal of the Japanese Society of Intensive Care Medicine</i> , 2015, 22, 273-274.	0.0	1
66	Cigarette smoking-induced airway hyperreactivity. <i>Journal of Anesthesia</i> , 2011, 25, 145-146.	1.7	0
67	Comparison of the clinical performances of Air-Qsp and i-Gel for airway management under general anesthesia with a muscle relaxant. <i>Journal of Clinical Anesthesia</i> , 2016, 34, 223-226.	1.6	0
68	Regional block: who first thought of such an approach?. <i>Journal of Anesthesia</i> , 2016, 30, 551-552.	1.7	0
69	Several new Japanese guidelines issued. <i>Journal of Anesthesia</i> , 2017, 31, 161-162.	1.7	0
70	Reply to a Letter to the Editor. <i>Journal of Anesthesia</i> , 2021, 35, 465-465.	1.7	0
71	Pulse oximetry: the outstanding achievements of Dr. Takuo Aoyagi. <i>Journal of Anesthesia</i> , 2021, 35, 605-605.	1.7	0
72	Prospective Study of Factors Leading to Fall in Body Temperature During Operation in Extensively Burned Patients.. <i>The Journal of Japan Society for Clinical Anesthesia</i> , 1993, 13, 548-554.	0.0	0

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73	Three Cases of Complications Following Flumazenil Administration. Hyperventilation, Tonic Convulsion and Myoclonus Epilepsy.. The Journal of Japan Society for Clinical Anesthesia, 1993, 13, 589-592.	0.0	0
74	Perianesthetic Airway/Respiratory Complications in Pediatric Cases with Specific Congenital Diseases.. The Journal of Japan Society for Clinical Anesthesia, 1994, 14, 322-328.	0.0	0
75	Two cases of postoperative phrenic nerve palsy diagnosed by nerve conduction study. Journal of the Japanese Society of Intensive Care Medicine, 2015, 22, 49-50.	0.0	0
76	Validity of a new viscosity-adjusted liquid food “ACURE^{®} VF-E” in critically ill patients: report of two cases. Journal of the Japanese Society of Intensive Care Medicine, 2015, 22, 59-60.	0.0	0
77	A successfully treated case of severe Legionella pneumonia with high serum procalcitonin leve. Journal of the Japanese Society of Intensive Care Medicine, 2015, 22, 549-550.	0.0	0
78	A percutaneous dilatational tracheotomy in a patient with brachiocephalic artery tortuous. Journal of the Japanese Society of Intensive Care Medicine, 2016, 23, 179-180.	0.0	0