

Shigeru Saito

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71 papers	1,141 citations	19 h-index	32 g-index
73 ext. papers	1,339 ext. citations	2.7 avg, IF	4.41 L-index

#	Paper	IF	Citations
71	Epidural block with mepivacaine before surgery reduces long-term post-thoracotomy pain. <i>Canadian Journal of Anaesthesia</i> , 1999 , 46, 1127-32	3	176
70	The neurotoxicity of local anesthetics on growing neurons: a comparative study of lidocaine, bupivacaine, mepivacaine, and ropivacaine. <i>Anesthesia and Analgesia</i> , 2002 , 94, 319-24, table of contents	3.9	165
69	An increase in spinal cord noradrenaline is a major contributor to the antihyperalgesic effect of antidepressants after peripheral nerve injury in the rat. <i>Pain</i> , 2012 , 153, 990-997	8	61
68	Dexmedetomidine decreases hyperalgesia in neuropathic pain by increasing acetylcholine in the spinal cord. <i>Neuroscience Letters</i> , 2012 , 529, 70-4	3.3	58
67	Direct neurotoxicity of tetracaine on growth cones and neurites of growing neurons in vitro. <i>Anesthesiology</i> , 2001 , 95, 726-33	4.3	58
66	Local anesthetic toxicity: acute and chronic management. <i>Acute Medicine & Surgery</i> , 2017 , 4, 152-160	1.7	54
65	Monoamine-dependent, opioid-independent antihypersensitivity effects of intrathecally administered milnacipran, a serotonin noradrenaline reuptake inhibitor, in a postoperative pain model in rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 334, 1059-65	4.7	33
64	Repeated Administration of Duloxetine Suppresses Neuropathic Pain by Accumulating Effects of Noradrenaline in the Spinal Cord. <i>Anesthesia and Analgesia</i> , 2018 , 126, 298-307	3.9	32
63	Comparison of incidence of anaphylaxis between sugammadex and neostigmine: a retrospective multicentre observational study. <i>British Journal of Anaesthesia</i> , 2020 , 124, 154-163	5.4	30
62	Jugular venous bulb oxygen saturation in patients with preexisting diabetes mellitus or stroke during normothermic cardiopulmonary bypass. <i>Anesthesiology</i> , 2000 , 92, 1324-9	4.3	27
61	Long-term effect of sciatic nerve block with slow-release lidocaine in a rat model of postoperative pain. <i>Anesthesiology</i> , 2010 , 112, 1473-81	4.3	25
60	Antihyperalgesic effect of duloxetine and amitriptyline in rats after peripheral nerve injury: Influence of descending noradrenergic plasticity. <i>Neuroscience Letters</i> , 2015 , 602, 62-7	3.3	23
59	Repeated Administration of Amitriptyline in Neuropathic Pain: Modulation of the Noradrenergic Descending Inhibitory System. <i>Anesthesia and Analgesia</i> , 2017 , 125, 1281-1288	3.9	23
58	The antihyperalgesic effects of intrathecal bupropion, a dopamine and noradrenaline reuptake inhibitor, in a rat model of neuropathic pain. <i>Anesthesia and Analgesia</i> , 2015 , 120, 460-6	3.9	23
57	A Smart Shirt Made with Conductive Ink and Conductive Foam for the Measurement of Electrocardiogram Signals with Unipolar Precordial Leads. <i>Fibers</i> , 2015 , 3, 463-477	3.7	22
56	Hepatosplanchnic oxygenation is better preserved during mild hypothermic than during normothermic cardiopulmonary bypass. <i>Canadian Journal of Anaesthesia</i> , 2001 , 48, 1011-4	3	21
55	Hyperventilation after tourniquet deflation prevents an increase in cerebral blood flow velocity. <i>Canadian Journal of Anaesthesia</i> , 1999 , 46, 259-64	3	21

54	Growth cone collapsing effect of lidocaine on DRG neurons is partially reversed by several neurotrophic factors. <i>Anesthesiology</i> , 2002 , 97, 630-5	4.3	20
53	Effects of cardiopulmonary resuscitation at high altitudes on the physical condition of untrained and unacclimatized rescuers. <i>Wilderness and Environmental Medicine</i> , 2012 , 23, 161-4	1.4	19
52	Electroconvulsive therapy impairs systolic performance of the left ventricle. <i>Canadian Journal of Anaesthesia</i> , 2001 , 48, 405-8	3	19
51	Usefulness of Basophil Activation Tests for Diagnosis of Sugammadex-Induced Anaphylaxis. <i>Anesthesia and Analgesia</i> , 2018 , 126, 1509-1516	3.9	18
50	Spinal dopaminergic involvement in the antihyperalgesic effect of antidepressants in a rat model of neuropathic pain. <i>Neuroscience Letters</i> , 2017 , 649, 116-123	3.3	17
49	Amitriptyline, but Not Pregabalin, Reverses the Attenuation of Noxious Stimulus-Induced Analgesia After Nerve Injury in Rats. <i>Anesthesia and Analgesia</i> , 2016 , 123, 504-10	3.9	17
48	Cholinesterase inhibitors induce growth cone collapse and inhibit neurite extension in primary cultured chick neurons. <i>Neurotoxicology and Teratology</i> , 1998 , 20, 411-9	3.9	16
47	Physical condition among middle altitude trekkers in an aging society. <i>American Journal of Emergency Medicine</i> , 2002 , 20, 291-4	2.9	15
46	Cerebral oxygenation is better during mild hypothermic than normothermic cardiopulmonary bypass. <i>Canadian Journal of Anaesthesia</i> , 2000 , 47, 131-6	3	13
45	Neurotrophic factors can partially reverse morphological changes induced by mepivacaine and bupivacaine in developing sensory neurons. <i>Anesthesia and Analgesia</i> , 2003 , 97, 506-511	3.9	12
44	Being in a Romantic Relationship Is Associated with Reduced Gray Matter Density in Striatum and Increased Subjective Happiness. <i>Frontiers in Psychology</i> , 2016 , 7, 1763	3.4	12
43	Brain morphological alternation in chronic pain patients with neuropathic characteristics. <i>Molecular Pain</i> , 2016 , 12,	3.4	9
42	Intracellular calcium increases in growth cones exposed to tetracaine. <i>Anesthesia and Analgesia</i> , 2004 , 98, 841-5, table of contents	3.9	9
41	Spinal Activation of Tropomyosin Receptor Kinase-B Recovers the Impaired Endogenous Analgesia in Neuropathic Pain Rats. <i>Anesthesia and Analgesia</i> , 2019 , 129, 578-586	3.9	7
40	In vivo and in vitro evaluation of novel μ -opioid receptor agonist compounds. <i>European Journal of Pharmacology</i> , 2015 , 767, 193-200	5.3	7
39	Considerations for resuscitation at high altitude in elderly and untrained populations and rescuers. <i>American Journal of Emergency Medicine</i> , 2014 , 32, 270-6	2.9	7
38	Cardiorespiratory dynamics of rescuers during cardiopulmonary resuscitation in a hypoxic environment. <i>American Journal of Emergency Medicine</i> , 2018 , 36, 1561-1564	2.9	6
37	Required cefazolin concentration to maximize diagnostic accuracy of the basophil activation test for cefazolin-induced anaphylaxis. <i>Journal of Anesthesia</i> , 2018 , 32, 797-805	2.2	6

36	Normalized skin conductance level could differentiate physical pain stimuli from other sympathetic stimuli. <i>Scientific Reports</i> , 2020 , 10, 10950	4.9	5
35	Balance of older trekkers: data on alpine accidents and performance as assessed using a video game machine. <i>American Journal of Emergency Medicine</i> , 2012 , 30, 1125-8	2.9	5
34	Tetracaine at a small concentration delayed nerve growth without destroying neurites and growth cones. <i>Anesthesia and Analgesia</i> , 2006 , 103, 608-14	3.9	5
33	COVID-19 with repeated positive test results for SARS-CoV-2 by PCR and then negative test results twice during intensive care: a case report. <i>Journal of Medical Case Reports</i> , 2020 , 14, 191	1.2	5
32	Tropomyosin Receptor Kinase B Receptor Activation in the Locus Coeruleus Restores Impairment of Endogenous Analgesia at a Late Stage Following Nerve Injury in Rats. <i>Journal of Pain</i> , 2019 , 20, 600-609	5.2	5
31	Loss of endogenous analgesia leads to delayed recovery from incisional pain in a rat model of chronic neuropathic pain. <i>Brain Research</i> , 2020 , 1727, 146568	3.7	4
30	Does a surgical mask improve oxygenation in COVID-19 patients?. <i>JA Clinical Reports</i> , 2021 , 7, 34	0.6	4
29	Differences between nurses' and care workers' estimations of pain prevalence among older residents. <i>Pain Management Nursing</i> , 2015 , 16, 20-32	2.5	3
28	Interpreting the results of early skin tests after perioperative anaphylaxis requires special attention: a case report and review of literature. <i>Journal of Anesthesia</i> , 2020 , 34, 624-629	2.2	2
27	Reduction of Arterial Oxygen Saturation Among Rescuers During Cardiopulmonary Resuscitation in a Hypobaric Hypoxic Environment. <i>Wilderness and Environmental Medicine</i> , 2020 , 31, 97-100	1.4	2
26	Consideration of Stretchable Dry Electrodes for Smart Shirts Aimed for Biological Signal Monitoring. <i>Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi)</i> , 2018 , 203, 63-71	0.4	2
25	Biological Signal Measurement using Stretchable Dry Electrodes Printed on Textile Substrates. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2016 , 136, 18-23	0.2	2
24	Effect of Low Dose Remifentanyl on Postoperative Pain Relief and Heart Rate Variability in Post-Anaesthesia Care Unit. <i>Turkish Journal of Anaesthesiology and Reanimation</i> , 2017 , 45, 297-302	0.7	2
23	History of the development of antagonists for neuromuscular blocking agents. <i>Journal of Anesthesia</i> , 2020 , 34, 723-728	2.2	2
22	In reply: Use of low-molecular weight dextran as an LA adjuvant to extend LA action. <i>Journal of Anesthesia</i> , 2019 , 33, 164	2.2	1
21	History of T-cain: a local anesthetic developed and manufactured in Japan. <i>Journal of Anesthesia</i> , 2015 , 29, 763-8	2.2	1
20	Differences in heart rate variability may be related to the appearance of postoperative pain in patients undergoing breast cancer surgery. <i>JA Clinical Reports</i> , 2017 , 3, 56	0.6	1
19	The History of Japanese Anesthesiology. <i>Journal of Anesthesia History</i> , 2017 , 3, 103-106	0.2	1

18	Keizo UENAKA : The Main Researcher in Adrenaline Purification. <i>The Journal of Japan Society for Clinical Anesthesia</i> , 2012 , 32, 573-581	O	1
17	Neurotoxicity of local anesthetics: effects on growing neurites and growth cones. <i>Journal of Anesthesia</i> , 2007 , 21, 535-7	2.2	1
16	The efficacy of duloxetine depends on spinal cholinergic plasticity in neuropathic pain model rats.. <i>IBRO Neuroscience Reports</i> , 2022 , 12, 188-196		1
15	Consideration of Stretchable Dry Electrodes for Smart Shirts Aimed for Biological Signal Monitoring. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2017 , 137, 426-431	0.2	1
14	Improvement of Severe COVID-19 in an Elderly Man by Sequential Use of Antiviral Drugs. <i>Case Reports in Infectious Diseases</i> , 2020 , 2020, 8814249	0.9	1
13	A Case of Hypopituitarism Complicated by Non-Alcoholic Steatohepatitis and Severe Pulmonary Hypertension. <i>American Journal of Case Reports</i> , 2021 , 22, e928004	1.3	1
12	Physiological and Pharmaceutical Knowledge in "Ninja" Society: Suggestions for Modern Anesthesiologists and Intensivists. <i>Journal of Anesthesia History</i> , 2018 , 4, 209-213	0.2	1
11	Comparison of four documents describing adrenaline purification, and the work of three important scientists, Keizo Uenaka, Nagai Nagayoshi and Jokichi Takamine. <i>Journal of Anesthesia History</i> , 2020 , 6, 42-48	0.2	O
10	A Case of Goodpasture's Syndrome with Recurrent Alveolar Hemorrhage Successfully Treated with Repeated Immunosuppressive Therapy and Plasma Exchange. <i>Kitakanto Medical Journal</i> , 2019 , 69, 37-41 ^O		
9	A Case of Miliary Tuberculosis Successfully Treated by Use of Extracorporeal Membrane Oxygenation. <i>The Journal of Japan Society for Clinical Anesthesia</i> , 2016 , 36, 147-151	O	
8	Hemiparesis following carotid endarterectomy. <i>Journal of Anesthesia</i> , 1995 , 9, 366-9	2.2	
7	Investigation of the Effects of Implementation of SAT/SBT Protocol. <i>Kitakanto Medical Journal</i> , 2016 , 66, 123-127	O	
6	A case in which endovascular aortic repair of a ruptured abdominal aortic aneurysm led to abdominal compartment syndrome. <i>Journal of the Japanese Society of Intensive Care Medicine</i> , 2016 , 23, 389-392	O	
5	History and future of beta-blockers: from adrenaline to ultra-short acting type. <i>Journal of the Japanese Society of Intensive Care Medicine</i> , 2013 , 20, 227-234	O	
4	Rapid Response System, Its Incorporation and Problems - Detect Early Warning Signs of Crisis Situations and Proper Medical Decision Making Is Important -. <i>The Journal of Japan Society for Clinical Anesthesia</i> , 2021 , 41, 242-246	O	
3	Development of a Device That Guides Central Venous Catheterization. <i>The Journal of Japan Society for Clinical Anesthesia</i> , 2021 , 41, 97-101	O	
2	Impact of the First Wave of COVID-19 on the Number of General Anesthesia Cases in 34 Tertiary Hospitals in Japan: A Multicenter Retrospective Study. <i>Anesthesiology Research and Practice</i> , 2021 , 2021, 8144794	1.1	
1	Education program for prevention of outdoor accidents in middle-high aged trekkers: Monitoring of change in blood pressure and heart rate during exercise. <i>Preventive Medicine Reports</i> , 2021 , 23, 101396 ^{2,6}		

