Shigenori Kawabata

List of Publications by Year
in descending order

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46	772	516710 16	552781 26
papers	citations	h-index	g-index

47	47	47	727
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficacy of Transcranial Motor Evoked Potential Monitoring During Intra- and Extramedullary Spinal Cord Tumor Surgery: A Prospective Multicenter Study of the Monitoring Committee of the Japanese Society for Spine Surgery and Related Research. Global Spine Journal, 2023, 13, 961-969.	2.3	4
2	Risk factors for recurrence and regrowth of spinal schwannoma. Journal of Orthopaedic Science, 2023, 28, 554-559.	1.1	5
3	Assessment of thoracic spinal cord electrophysiological activity through magnetoneurography. Clinical Neurophysiology, 2022, 133, 39-47.	1.5	7
4	Magnetoneurography as a novel functional imaging technique for the ulnar nerve at the elbow. Clinical Neurophysiology, 2022, 138, 153-162.	1.5	6
5	Comparison of decompression, decompression plus fusion, and decompression plus stabilization: a long-term follow-up of a prospective, randomized study. Spine Journal, 2022, 22, 747-755.	1.3	11
6	Noninvasive measurement of sensory action currents in the cervical cord by magnetospinography. Clinical Neurophysiology, 2021, 132, 382-391.	1.5	7
7	Clinical Application of SQUID Magnetometers for the Spinal Cord and the Peripheral Nerve. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2021, 56, 82-86.	0.1	0
8	Validity of the Alarm Point in Intraoperative Neurophysiological Monitoring of the Spinal Cord by the Monitoring Working Group of the Japanese Society for Spine Surgery and Related Research. Spine, 2021, 46, E1069-E1076.	2.0	7
9	Characteristics of Tc-MEP Waveforms for Different Locations of Intradural Extramedullary Tumors. Spine, 2021, Publish Ahead of Print, 172-179.	2.0	1
10	Characteristics of Tc-MEP Waveforms in Spine Surgery for Patients with Severe Obesity. Spine, 2021, Publish Ahead of Print, 1738-1747.	2.0	1
11	Understanding the effect of non-surgical factors in a transcranial motor-evoked potential alert: A retrospective cohort study. Journal of Orthopaedic Science, 2021, 26, 739-743.	1.1	6
12	Does surgical body position influence the risk for neurovascular injury in total hip arthroplasty? A magnetic resonance imaging study. Orthopaedics and Traumatology: Surgery and Research, 2021, 107, 102817.	2.0	4
13	Efficacy of Intraoperative Intervention Following Transcranial Motor-evoked Potentials Alert During Posterior Decompression and Fusion Surgery for Thoracic Ossification of the Posterior Longitudinal Ligament. Spine, 2021, 46, 268-276.	2.0	17
14	Anterior Cervical Corpectomy with Fusion versus Anterior Hybrid Fusion Surgery for Patients with Severe Ossification of the Posterior Longitudinal Ligament Involving Three or More Levels: A Retrospective Comparative Study. Journal of Clinical Medicine, 2021, 10, 5315.	2.4	8
15	Characteristics of Cases with Poor Transcranial Motor-evoked Potentials Baseline Waveform Derivation in Spine Surgery. Spine, 2021, 46, E1211-E1219.	2.0	8
16	Preoperative risk factors for delirium in patients aged â‰¥75 years undergoing spinal surgery: a retrospective study. Journal of International Medical Research, 2020, 48, 030006052096121.	1.0	11
17	Evaluation of neural activity by magnetospinography with 3D sensors. Clinical Neurophysiology, 2020, 131, 1252-1266.	1.5	9
18	Preoperative Risk Factors for Adjacent Segment Degeneration after Two-Level Floating Posterior Fusion at L3-L5. Spine Surgery and Related Research, 2020, 4, 43-49.	0.7	4

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19	Increased Height of Fused Segments Contributes to Early-Phase Strut Subsidence after Anterior Cervical Corpectomy with Fusion for Multilevel Ossification of the Posterior Longitudinal Ligament. Spine Surgery and Related Research, 2020, 4, 294-299.	0.7	3
20	Calibration of Room Temperature Magnetic Sensor Array for Biomagnetic Measurement. IEEE Transactions on Magnetics, 2019, 55, 1-6.	2.1	22
21	Visualization of the electrical activity of the cauda equina using a magnetospinography system in healthy subjects. Clinical Neurophysiology, 2019, 130, 1-11.	1.5	22
22	Adverse Events Related to Transcranial Electric Stimulation for Motor-evoked Potential Monitoring in High-risk Spinal Surgery. Spine, 2019, 44, 1435-1440.	2.0	15
23	Alert Timing and Corresponding Intervention With Intraoperative Spinal Cord Monitoring for High-Risk Spinal Surgery. Spine, 2019, 44, E470-E479.	2.0	60
24	Magnetocardiography Using a Magnetoresistive Sensor Array. International Heart Journal, 2019, 60, 50-54.	1.0	17
25	A multi-train electrical stimulation protocol facilitates transcranial electrical motor evoked potentials and increases induction rate and reproducibility even in patients with preoperative neurological deficits. Journal of Clinical Monitoring and Computing, 2018, 32, 549-558.	1.6	6
26	Long-term results of a prospective study of anterior decompression with fusion and posterior decompression with laminoplasty for treatment of cervical spondylotic myelopathy. Journal of Orthopaedic Science, 2018, 23, 32-38.	1.1	24
27	Clinical and radiologic outcomes of bone grafted and non-bone grafted double-door laminoplasty, the modified Kirita-Miyazaki method, for treatment of cervical spondylotic myelopathy: Five-year follow-up. Journal of Orthopaedic Science, 2018, 23, 923-928.	1.1	3
28	Comparison of Decompression, Decompression Plus Fusion, and Decompression Plus Stabilization for Degenerative Spondylolisthesis. Clinical Spine Surgery, 2018, 31, E347-E352.	1.3	59
29	A foreign body granuloma after the usage of polyglycolic acid mesh and fibrin glue for dural repair. A case report. Journal of Orthopaedic Science, 2017, 22, 371-374.	1.1	3
30	Intraoperative evaluation using mobile computed tomography in anterior cervical decompression with floating method for massive ossification of the posterior longitudinal ligament. Journal of Orthopaedic Surgery and Research, 2017, 12, 12.	2.3	26
31	Magnetospinography visualizes electrophysiological activity in the cervical spinal cord. Scientific Reports, 2017, 7, 2192.	3.3	36
32	Multi-Channel SQUID Magnetospinogram System With Closed-Cycle Helium Recondensing. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	12
33	What is the Best Multimodality Combination for Intraoperative Spinal Cord Monitoring of Motor Function? A Multicenter Study by the Monitoring Committee of the Japanese Society for Spine Surgery and Related Research. Global Spine Journal, 2016, 6, 234-241.	2.3	33
34	Anterior decompression with fusion versus posterior decompression with fusion for massive cervical ossification of the posterior longitudinal ligament with a â‰¥50% canal occupying ratio: a multicenter retrospective study. Spine Journal, 2016, 16, 1351-1357.	1.3	58
35	Occipital Condyle Osteoid Osteoma with Severe Occipital Pain that Disappeared after Surgical Resection. NMC Case Report Journal, 2015, 2, 128-131.	0.5	3
36	Lumbosacral pedicle screw placement using a fluoroscopic pedicle axis view and a cannulated tapping device. Journal of Orthopaedic Surgery and Research, 2015, 10, 79.	2.3	13

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37	Occipital Condyle Osteoid Osteoma with Severe Occipital Pain that Disappeared after Surgical Resection. NMC Case Report Journal, 2015, 2, 128-131.	0.5	0
38	A genome-wide association study identifies susceptibility loci for ossification of the posterior longitudinal ligament of the spine. Nature Genetics, 2014, 46, 1012-1016.	21.4	115
39	Calibration for a Multichannel Magnetic Sensor Array of a Magnetospinography System. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	21
40	Magnetospinography: Instruments and Application to Functional Imaging of Spinal Cords. IEICE Transactions on Electronics, 2013, E96.C, 326-333.	0.6	7
41	Improvement of SQUID Magnetometer System for Extending Application of Spinal Cord Evoked Magnetic Field Measurement. IEEE Transactions on Applied Superconductivity, 2011, 21, 485-488.	1.7	21
42	A SQUID System for Measurement of Spinal Cord Evoked Field of Supine Subjects. IEEE Transactions on Applied Superconductivity, 2009, 19, 861-866.	1.7	24
43	Development of Cervical Spinal Cord Evoked Magnetic Field Measurement System Using SQUID Magnetometers. IEEJ Transactions on Sensors and Micromachines, 2009, 129, 181-186.	0.1	0
44	B215 Imaging of neural electric activity from spinal cord evoked magnetic field. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2008, 2008.19, 67-68.	0.0	0
45	A 75-ch SQUID Biomagnetometer System for Human Cervical Spinal Cord Evoked Field. IEEE Transactions on Applied Superconductivity, 2007, 17, 3867-3873.	1.7	22
46	Visualization of Conductive Spinal Cord Activity Using a Biomagnetometer. Spine, 2002, 27, 475-479.	2.0	30