

Shigenori Kawabata

List of Publications by Year in descending order

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papers

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516710

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47
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docs citations

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#	ARTICLE	IF	CITATIONS
1	A genome-wide association study identifies susceptibility loci for ossification of the posterior longitudinal ligament of the spine. <i>Nature Genetics</i> , 2014, 46, 1012-1016.	21.4	115
2	Alert Timing and Corresponding Intervention With Intraoperative Spinal Cord Monitoring for High-Risk Spinal Surgery. <i>Spine</i> , 2019, 44, E470-E479.	2.0	60
3	Comparison of Decompression, Decompression Plus Fusion, and Decompression Plus Stabilization for Degenerative Spondylolisthesis. <i>Clinical Spine Surgery</i> , 2018, 31, E347-E352.	1.3	59
4	Anterior decompression with fusion versus posterior decompression with fusion for massive cervical ossification of the posterior longitudinal ligament with a $\geq 50\%$ canal occupying ratio: a multicenter retrospective study. <i>Spine Journal</i> , 2016, 16, 1351-1357.	1.3	58
5	Magnetospinography visualizes electrophysiological activity in the cervical spinal cord. <i>Scientific Reports</i> , 2017, 7, 2192.	3.3	36
6	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. <i>Global Spine Journal</i> , 2016, 6, 234-241.	2.3	33
7	Visualization of Conductive Spinal Cord Activity Using a Biomagnetometer. <i>Spine</i> , 2002, 27, 475-479.	2.0	30
8	Intraoperative evaluation using mobile computed tomography in anterior cervical decompression with floating method for massive ossification of the posterior longitudinal ligament. <i>Journal of Orthopaedic Surgery and Research</i> , 2017, 12, 12.	2.3	26
9	A SQUID System for Measurement of Spinal Cord Evoked Field of Supine Subjects. <i>IEEE Transactions on Applied Superconductivity</i> , 2009, 19, 861-866.	1.7	24
10	Long-term results of a prospective study of anterior decompression with fusion and posterior decompression with laminoplasty for treatment of cervical spondylotic myelopathy. <i>Journal of Orthopaedic Science</i> , 2018, 23, 32-38.	1.1	24
11	A 75-ch SQUID Biomagnetometer System for Human Cervical Spinal Cord Evoked Field. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 3867-3873.	1.7	22
12	Calibration of Room Temperature Magnetic Sensor Array for Biomagnetic Measurement. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-6.	2.1	22
13	Visualization of the electrical activity of the cauda equina using a magnetospinography system in healthy subjects. <i>Clinical Neurophysiology</i> , 2019, 130, 1-11.	1.5	22
14	Improvement of SQUID Magnetometer System for Extending Application of Spinal Cord Evoked Magnetic Field Measurement. <i>IEEE Transactions on Applied Superconductivity</i> , 2011, 21, 485-488.	1.7	21
15	Calibration for a Multichannel Magnetic Sensor Array of a Magnetospinography System. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	21
16	Magnetocardiography Using a Magnetoresistive Sensor Array. <i>International Heart Journal</i> , 2019, 60, 50-54.	1.0	17
17	Efficacy of Intraoperative Intervention Following Transcranial Motor-evoked Potentials Alert During Posterior Decompression and Fusion Surgery for Thoracic Ossification of the Posterior Longitudinal Ligament. <i>Spine</i> , 2021, 46, 268-276.	2.0	17
18	Adverse Events Related to Transcranial Electric Stimulation for Motor-evoked Potential Monitoring in High-risk Spinal Surgery. <i>Spine</i> , 2019, 44, 1435-1440.	2.0	15

#	ARTICLE	IF	CITATIONS
19	Lumbosacral pedicle screw placement using a fluoroscopic pedicle axis view and a cannulated tapping device. <i>Journal of Orthopaedic Surgery and Research</i> , 2015, 10, 79.	2.3	13
20	Multi-Channel SQUID Magnetospinogram System With Closed-Cycle Helium Recondensing. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-4.	1.7	12
21	Preoperative risk factors for delirium in patients aged ≥75 years undergoing spinal surgery: a retrospective study. <i>Journal of International Medical Research</i> , 2020, 48, 030006052096121.	1.0	11
22	Comparison of decompression, decompression plus fusion, and decompression plus stabilization: a long-term follow-up of a prospective, randomized study. <i>Spine Journal</i> , 2022, 22, 747-755.	1.3	11
23	Evaluation of neural activity by magnetospinography with 3D sensors. <i>Clinical Neurophysiology</i> , 2020, 131, 1252-1266.	1.5	9
24	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. <i>Journal of Clinical Medicine</i> , 2021, 10, 5315.	2.4	8
25	Characteristics of Cases with Poor Transcranial Motor-evoked Potentials Baseline Waveform Derivation in Spine Surgery. <i>Spine</i> , 2021, 46, E1211-E1219.	2.0	8
26	Magnetospinography: Instruments and Application to Functional Imaging of Spinal Cords. <i>IEICE Transactions on Electronics</i> , 2013, E96.C, 326-333.	0.6	7
27	Noninvasive measurement of sensory action currents in the cervical cord by magnetospinography. <i>Clinical Neurophysiology</i> , 2021, 132, 382-391.	1.5	7
28	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. <i>Spine</i> , 2021, 46, E1069-E1076.	2.0	7
29	Assessment of thoracic spinal cord electrophysiological activity through magnetoneurography. <i>Clinical Neurophysiology</i> , 2022, 133, 39-47.	1.5	7
30	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. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 549-558.	1.6	6
31	Understanding the effect of non-surgical factors in a transcranial motor-evoked potential alert: A retrospective cohort study. <i>Journal of Orthopaedic Science</i> , 2021, 26, 739-743.	1.1	6
32	Magnetoneurography as a novel functional imaging technique for the ulnar nerve at the elbow. <i>Clinical Neurophysiology</i> , 2022, 133, 153-162.	1.5	6
33	Risk factors for recurrence and regrowth of spinal schwannoma. <i>Journal of Orthopaedic Science</i> , 2023, 28, 554-559.	1.1	5
34	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. <i>Global Spine Journal</i> , 2023, 13, 961-969.	2.3	4
35	Does surgical body position influence the risk for neurovascular injury in total hip arthroplasty? A magnetic resonance imaging study. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2021, 107, 102817.	2.0	4
36	Preoperative Risk Factors for Adjacent Segment Degeneration after Two-Level Floating Posterior Fusion at L3-L5. <i>Spine Surgery and Related Research</i> , 2020, 4, 43-49.	0.7	4

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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	3
38	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
39	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
40	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
41	Characteristics of Tc-MEP Waveforms for Different Locations of Intradural Extramedullary Tumors. Spine, 2021, Publish Ahead of Print, 172-179.	2.0	1
42	Characteristics of Tc-MEP Waveforms in Spine Surgery for Patients with Severe Obesity. Spine, 2021, Publish Ahead of Print, 1738-1747.	2.0	1
43	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
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	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
46	Occipital Condyle Osteoid Osteoma with Severe Occipital Pain that Disappeared after Surgical Resection. NMC Case Report Journal, 2015, 2, 128-131.	0.5	0