Hideki Shigematsu

List of Publications by Year
in descending order

78	636	687363 13	752698 20
papers	citations	h-index	g-index

84	84	84	697
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of a Retro-Odontoid pseudotumor in the absence of atlantoaxial instability or rheumatoid arthritis Post-Laminoplasty: case report. British Journal of Neurosurgery, 2023, 37, 750-754.	0.8	3
2	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
3	Alternate In-Brace and Out-of-Brace Radiographs Are Recommended to Assess Brace Fitting and Curve Progression With Adolescent Idiopathic Scoliosis Follow-Up. Global Spine Journal, 2023, 13, 1332-1341.	2.3	4
4	Surgery Can Improve Locomotive Syndrome Due to Lumbar Spinal Canal Stenosis and Loco-Check Can Predict Best Timing of Surgery to Avoid Progress of Locomotive Syndrome. Spine Surgery and Related Research, 2022, 6, 58-62.	0.7	1
5	Tetanic stimulation of the peripheral nerve augments motor evoked potentials by re-exciting spinal anterior horn cells. Journal of Clinical Monitoring and Computing, 2022, 36, 259-270.	1.6	5
6	Temporal Evolution of White Blood Cell Count and Differential: Reliable and Early Detection Markers for Surgical Site Infection Following Spinal Posterior Decompression Surgery. Spine Surgery and Related Research, 2022, 6, 271-278.	0.7	1
7	The Utility of a Novel Proximal Femur Maturity Index for Staging Skeletal Growth in Patients with Idiopathic Scoliosis. Journal of Bone and Joint Surgery - Series A, 2022, 104, 630-640.	3.0	10
8	Efficacy of D-Wave Monitoring Combined With the Transcranial Motor-Evoked Potentials in High-Risk Spinal Surgery: A Retrospective Multicenter Study of the Monitoring Committee of the Japanese Society for Spine Surgery and Related Research. Global Spine Journal, 2022, , 219256822210846.	2.3	4
9	Transcranial electrical stimulation motor-evoked potentials rescue from postoperative neurological deficit due to inadequate neck position for the case of lumbar surgery with asymptomatic cervical stenosis. European Spine Journal, 2022, , 1.	2.2	0
10	Preliminary Screening Method for Low Bone Mineral Density Using a Self-Reported Questionnaire among Peri- and Postmenopausal Women. Asian Spine Journal, 2022, , .	2.0	1
11	BACILLUS CALMETTEâ€“GUÃ‰RIN SPONDYLODISCITIS AFTER INTRAVESICAL BCG THERAPY: A CASE REPORT. Spine Surgery and Related Research, 2022, , .	0.7	0
12	Radiological Evaluation of Pelvic Morphology for S2 Alar-iliac Screw Insertion in the Japanese Samples: A Retrospective Cohort Study. Spine Surgery and Related Research, 2022, , .	0.7	1
13	The critical cutoff point of the Zurich Claudication Questionnaire and the Japanese Orthopaedic Association score indicating locomotive syndrome in patients with lumbar spinal canal stenosis. Journal of Orthopaedic Science, 2021, 26, 290-294.	1.1	3
14	Esophageal incarceration associated with cervical vertebral fracture in a patient with diffuse idiopathic skeletal hyperostosis. Journal of Orthopaedic Science, 2021, 26, 182-185.	1.1	0
15	Clinical questions on rehabilitation in cancer patients with skeletal metastasis: a content analysis of the multidisciplinary tumor board records. Supportive Care in Cancer, 2021, 29, 2015-2020.	2.2	3
16	An infected aneurysm of the vertebral artery following cervical pyogenic spondylitis: a case report and literature review. BMC Musculoskeletal Disorders, 2021, 22, 22.	1.9	1
17	What determines immediate postoperative coronal balance and delayed global coronal balance after anterior spinal fusion for Lenke 5C curves?. European Spine Journal, 2021, 30, 2007-2019.	2.2	5
18	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

#	Article	IF	Citations
19	Comparison of Modified Marmot Surgery and Lumbar Spinous Process Splitting Laminectomy in Lumbar Spinal Stenosis: Two-Year Outcomes. Spine Surgery and Related Research, 2021, 5, 165-170.	0.7	0
20	Characteristics of Tc-MEP Waveforms for Different Locations of Intradural Extramedullary Tumors. Spine, 2021, Publish Ahead of Print, 172-179.	2.0	1
21	Characteristics of Tc-MEP Waveforms in Spine Surgery for Patients with Severe Obesity. Spine, 2021, Publish Ahead of Print, 1738-1747.	2.0	1
22	Intercostal artery rupture associated with thoracic spinal hyperextension injury caused by a minor trauma: A case report. Trauma Case Reports, 2021, 33, 100487.	0.4	5
23	Refractory Pyogenic Spondylitis Subsequent to Vascular Graft Infection: A Case Report. Spine Surgery and Related Research, 2021, 5, 302-306.	0.7	0
24	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
25	Can the loco-check be used as a self-check tool for evaluating fall risk among older subjects? A prospective study. Journal of Orthopaedic Science, 2021, 26, 891-895.	1.1	2
26	Minimally invasive 360-degree pelvic ring fixation using a combination of crab-shaped fixation and pelvic internal fixator for unstable pelvic ring fracture: A case report. Trauma Case Reports, 2021, 36, 100540.	0.4	1
27	Sex differences in reference values of hip acetabular measurements using computed tomography in Japanese adults and the effect of aging on the measurement parameters. Journal of Orthopaedic Science, 2021, 26, 1029-1035.	1.1	4
28	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
29	Characteristics of Cases with Poor Transcranial Motor-evoked Potentials Baseline Waveform Derivation in Spine Surgery. Spine, 2021, 46, E1211-E1219.	2.0	8
30	Affirmative answers on loco-check as a predictor of health-related quality of life and locomotive syndrome progression in the elderly: A cross-sectional study. Modern Rheumatology, 2020, 30, 580-585.	1.8	4
31	Predictability of Coronal Curve Flexibility in Postoperative Curve Correction in Adolescent Idiopathic Scoliosis: The Effect of the Sagittal Profile. Global Spine Journal, 2020, 10, 303-311.	2.3	6
32	Differential diagnosis between metastatic and osteoporotic vertebral fractures using sagittal T1-weighted magnetic resonance imaging. Journal of Orthopaedic Science, 2020, 25, 763-769.	1.1	2
33	In vitro osteogenesis of rat bone marrow mesenchymal cells on PEEK disks with heat-fixed apatite by CO2 laser bonding. BMC Musculoskeletal Disorders, 2020, 21, 692.	1.9	5
34	Impairment-driven cancer rehabilitation in patients with neoplastic spinal cord compression using minimally invasive spine stabilization. World Journal of Surgical Oncology, 2020, 18, 187.	1.9	3
35	Expert consensus on surgical treatment for adolescent idiopathic scoliosis in Japan. Journal of Orthopaedic Science, 2020, 26, 765-773.	1.1	1
36	Hypoalbuminemia Increased the Length of Stay in the Treatment of Postoperative Acute Surgical Site Infection in Spinal Surgery. Spine, 2020, 45, E1564-E1571.	2.0	14

#	Article	IF	Citations
37	How do we follow-up patients with adolescent idiopathic scoliosis? Recommendations based on a multicenter study on the distal radius and ulna classification. European Spine Journal, 2020, 29, 2064-2074.	2.2	5
38	Controversies with nonoperative management for adolescent idiopathic scoliosis: Study from the APSS Scoliosis Focus Group. Journal of Orthopaedic Surgery, 2020, 28, 230949902093029.	1.0	2
39	Is brace treatment unnecessary for cases of adolescent idiopathic scoliosis above Risser sign 3?. Journal of Orthopaedic Science, 2020, 25, 975-979.	1.1	6
40	Polygenic Risk Score of Adolescent Idiopathic Scoliosis for Potential Clinical Use. Journal of Bone and Mineral Research, 2020, 36, 1481-1491.	2.8	5
41	Reliability Comparison between â€œDistal Radius and Ulnaâ€•and â€œSimplified Tannerâ€“Whitehouse IIIâ€• Assessments for Patients with Adolescent Idiopathic Scoliosis. Asian Spine Journal, 2020, 14, 280-286.	2.0	5
42	Genome-wide association study identifies 14 previously unreported susceptibility loci for adolescent idiopathic scoliosis in Japanese. Nature Communications, 2019, 10, 3685.	12.8	47
43	Bi-allelic loss of function variants ofTBX6causes a spectrum of malformation of spine and rib including congenital scoliosis and spondylocostal dysostosis. Journal of Medical Genetics, 2019, 56, 622-628.	3.2	13
44	Monophasic transcranial constant-current versus constant-voltage stimulation of motor-evoked potentials during spinal surgery. Scientific Reports, 2019, 9, 3773.	3.3	5
45	An aneurysmal bone cyst at T1 treated with bone grafts containing calcitonin and methylprednisolone. Journal of Orthopaedic Surgery, 2019, 27, 230949901983962.	1.0	1
46	Minimally invasive spinopelvic â€œcrab-shaped fixationâ€•for unstable pelvic ring fractures: technical note and 16 case series. Journal of Orthopaedic Surgery and Research, 2019, 14, 51.	2.3	16
47	Muscle-evoked Potentials After Electrical Stimulation to the Brain in Patients Undergoing Spinal Surgery are Less Affected by Anesthetic Fade With Constant-voltage Stimulation Than With Constant-current Stimulation. Spine, 2019, 44, 1492-1498.	2.0	5
48	Loco-check presents a useful tool to determine health-related quality of life in elderly people with lumbar spinal stenosis. Journal of Orthopaedic Science, 2019, 24, 715-719.	1.1	6
49	Evaluating Cervical Sagittal Alignment in Cervical Myelopathy: Are Sitting Cervical Radiographs and Standing Whole-Spine Radiographs Equally Useful?. Global Spine Journal, 2019, 9, 591-597.	2.3	4
50	Lymphocyte Count at 4 Days Postoperatively. Spine, 2018, 43, E1096-E1101.	2.0	13
51	Preliminary algorithm for differential diagnosis between spinal meningioma and schwannoma using plain magnetic resonance imaging. Journal of Orthopaedic Science, 2018, 23, 408-413.	1.1	14
52	Ureteral injury as a possible complication of vertebral fracture in a patient with ankylosing spinal hyperostosis. Journal of Orthopaedic Science, 2018, 23, 194-196.	1.1	3
53	Post-tetanic transcranial motor evoked potentials augment the amplitude of compound muscle action potentials recorded from innervated and non-innervated muscles. Spine Journal, 2018, 18, 740-746.	1.3	8
54	A Replication Study for the Association of rs11190870 With Curve Severity in Adolescent Idiopathic Scoliosis in Japanese. Spine, 2018, 43, 688-692.	2.0	7

#	Article	IF	Citations
55	Bite injuries caused by transcranial electrical stimulation motor-evoked potentialsâ€™ monitoring: incidence, associated factors, and clinical course. Journal of Anesthesia, 2018, 32, 844-849.	1.7	16
56	Comparison of neutrophil and lymphocyte at 1 and 4 days postoperatively: reliable and early detection markers for surgical site infection following instrumented spinal fusion. Spine Surgery and Related Research, 2018, 2, 127-134.	0.7	6
57	Screening of known disease genes in congenital scoliosis. Molecular Genetics & Genomic Medicine, 2018, 6, 966-974.	1.2	20
58	Biceps-Related Physical Findings Are Useful to Prevent Misdiagnosis of Cervical Spondylotic Amyotrophy as a Rotator Cuff Tear. Asian Spine Journal, 2018, 12, 69-73.	2.0	5
59	Preventing Fusion Mass Shift Avoids Postoperative Distal Curve Adding-on in Adolescent Idiopathic Scoliosis. Clinical Orthopaedics and Related Research, 2017, 475, 1448-1460.	1.5	24
60	Higher success rate with transcranial electrical stimulation of motor-evoked potentials using constant-voltage stimulation compared with constant-current stimulation in patients undergoing spinal surgery. Spine Journal, 2017, 17, 1472-1479.	1.3	7
61	Increased Segmental Range of Motion Is Correlated With Spondylolisthesis in the Cervical Spine After Laminoplasty. Spine, 2017, 42, E385-E391.	2.0	6
62	Characterization and Predictive Value of Segmental Curve Flexibility in Adolescent Idiopathic Scoliosis Patients. Spine, 2017, 42, 1622-1628.	2.0	27
63	Cervical spinal canal stenosis first presenting after spinal cord injury due to minor trauma: An insight into the value of preventive decompression. Journal of Orthopaedic Science, 2017, 22, 22-26.	1.1	9
64	Bone marrow stromal cell sheets may promote axonal regeneration and functional recovery with suppression of glial scar formation after spinal cord transection injury in rats. Journal of Neurosurgery: Spine, 2017, 26, 388-395.	1.7	53
65	Muscle Weakness in the Empty and Full Can Tests Cannot Differentiate Rotator Cuff Tear from Cervical Spondylotic Amyotrophy: Pain Provocation is a Useful Finding. The Open Orthopaedics Journal, 2017, 11, 1081-1086.	0.2	3
66	Lymphopenia and Elevated Blood C-Reactive Protein Levels at Four Days Postoperatively Are Useful Markers for Early Detection of Surgical Site Infection Following Posterior Lumbar Instrumentation Surgery. Asian Spine Journal, 2016, 10, 220.	2.0	11
67	Lymphocyte Count at 4 Days Postoperatively and CRP Level at 7 Days Postoperatively. Spine, 2016, 41, 1173-1178.	2.0	30
68	Lymphopenia at 4 Days Postoperatively Is the Most Significant Laboratory Marker for Early Detection of Surgical Site Infection Following Posterior Lumbar Instrumentation Surgery. Asian Spine Journal, 2016, 10, 1042.	2.0	10
69	Revision surgery after cervical laminoplasty: report of five cases and literature review. Spine Journal, 2015, 15, e7-e13.	1.3	17
70	Adolescent Scoliosis Screening in Nara City Schools: A 23-Year Retrospective Cross-Sectional Study. Asian Spine Journal, 2015, 9, 407.	2.0	12
71	Verification of measurements of lumbar spinal dimensions in T1- and T2-weighted magnetic resonance imaging sequences. Spine Journal, 2014, 14, 1476-1483.	1.3	17
72	Floating spine after pedicle subtraction osteotomy for post-traumatic kyphosis. European Spine Journal, 2014, 23, 278-284.	2.2	6

#	Article	IF	Citations
73	Degenerative spondylolisthesis does not influence surgical results of laminoplasty in elderly cervical spondylotic myelopathy patients. European Spine Journal, 2010, 19, 720-725.	2.2	38
74	Does developmental canal stenosis influence surgical results of bilateral open-door laminoplasty for cervical spondylotic myelopathy?. Journal of Neurosurgery: Spine, 2008, 9, 358-362.	1.7	20
75	Cool Storage of Human Tissue Engineered Bone for Bone Regeneration Therapy. Key Engineering Materials, 2006, 309-311, 1005-1008.	0.4	0
76	Posterolateral Lumbar Fusion by Tissue Engineered Bone. Key Engineering Materials, 2006, 309-311, 1013-1016.	0.4	1
77	Osteogenic Potential of Tissue Engineered Bone by Combination of Marrow Mesenchymal Cells and Cultured Bone/Ceramic Constructs. Key Engineering Materials, 2006, 309-311, 1001-1004.	0.4	0
78	Bone Regeneration from Frozen Marrow Mesenchymal Cells/Recombinant Human Bone Morphogenetic Protein/Hydroxyapatite Transplantation. Key Engineering Materials, 2006, 309-311, 1009-1012.	0.4	0