

Haruo Kanno

List of Publications by Year in descending order

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73
papers

9,923
citations

236925

25
h-index

95266

68
g-index

73
all docs

73
docs citations

73
times ranked

21488
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
3	Rapamycin Promotes Autophagy and Reduces Neural Tissue Damage and Locomotor Impairment after Spinal Cord Injury in Mice. <i>Journal of Neurotrauma</i> , 2012, 29, 946-956.	3.4	170
4	Adjacent segment degeneration after fusion spinal surgery—a systematic review. <i>International Orthopaedics</i> , 2019, 43, 987-993.	1.9	152
5	Combination of Engineered Schwann Cell Grafts to Secrete Neurotrophin and Chondroitinase Promotes Axonal Regeneration and Locomotion after Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2014, 34, 1838-1855.	3.6	139
6	Spinal cord injury induces upregulation of Beclin 1 and promotes autophagic cell death. <i>Neurobiology of Disease</i> , 2009, 33, 143-148.	4.4	130
7	Induction of Autophagy and Autophagic Cell Death in Damaged Neural Tissue After Acute Spinal Cord Injury in Mice. <i>Spine</i> , 2011, 36, E1427-E1434.	2.0	116
8	Schwann cell transplantation for spinal cord injury repair: its significant therapeutic potential and prospectus. <i>Reviews in the Neurosciences</i> , 2015, 26, 121-8.	2.9	95
9	The role of mTOR signaling pathway in spinal cord injury. <i>Cell Cycle</i> , 2012, 11, 3175-3179.	2.6	92
10	The role of autophagy in spinal cord injury. <i>Autophagy</i> , 2009, 5, 390-392.	9.1	77
11	Prevalence and Distribution of Ossified Lesions in the Whole Spine of Patients with Cervical Ossification of the Posterior Longitudinal Ligament A Multicenter Study (JOSL CT study). <i>PLoS ONE</i> , 2016, 11, e0160117.	2.5	73
12	Rapamycin suppresses microglial activation and reduces the development of neuropathic pain after spinal cord injury. <i>Journal of Orthopaedic Research</i> , 2017, 35, 93-103.	2.3	61
13	Dynamic Change of Dural Sac Cross-Sectional Area in Axial Loaded Magnetic Resonance Imaging Correlates With the Severity of Clinical Symptoms in Patients With Lumbar Spinal Canal Stenosis. <i>Spine</i> , 2012, 37, 207-213.	2.0	59
14	Low-energy extracorporeal shock wave therapy promotes vascular endothelial growth factor expression and improves locomotor recovery after spinal cord injury. <i>Journal of Neurosurgery</i> , 2014, 121, 1514-1525.	1.6	58
15	Minimally invasive discectomy for lumbar disc herniation: current concepts, surgical techniques, and outcomes. <i>International Orthopaedics</i> , 2019, 43, 917-922.	1.9	58
16	Diagram specific to sacroiliac joint pain site indicated by one-finger test. <i>Journal of Orthopaedic Science</i> , 2008, 13, 492-497.	1.1	57
17	Low-energy extracorporeal shock wave therapy for promotion of vascular endothelial growth factor expression and angiogenesis and improvement of locomotor and sensory functions after spinal cord injury. <i>Journal of Neurosurgery: Spine</i> , 2016, 25, 745-755.	1.7	51
18	Axial Loading During Magnetic Resonance Imaging in Patients With Lumbar Spinal Canal Stenosis. <i>Spine</i> , 2012, 37, E985-E992.	2.0	43

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19	Genetic Ablation of Transcription Repressor Bach1 Reduces Neural Tissue Damage and Improves Locomotor Function after Spinal Cord Injury in Mice. <i>Journal of Neurotrauma</i> , 2009, 26, 31-39.	3.4	42
20	Prevalence and Distribution of Diffuse Idiopathic Skeletal Hyperostosis on Whole-spine Computed Tomography in Patients With Cervical Ossification of the Posterior Longitudinal Ligament. <i>Clinical Spine Surgery</i> , 2018, 31, E460-E465.	1.3	37
21	Prevalence and distribution of ossification of the supra/interspinous ligaments in symptomatic patients with cervical ossification of the posterior longitudinal ligament of the spine: a CT-based multicenter cross-sectional study. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 492.	1.9	36
22	Increasing Incidence of Degenerative Spinal Diseases in Japan during 25 Years: The Registration System of Spinal Surgery in Tohoku University Spine Society. <i>Tohoku Journal of Experimental Medicine</i> , 2016, 238, 153-163.	1.2	36
23	Changes in lumbar spondylolisthesis on axial-loaded MRI: do they reproduce the positional changes in the degree of olisthesis observed on X-ray images in the standing position?. <i>Spine Journal</i> , 2015, 15, 1255-1262.	1.3	33
24	Reoperation rates after fenestration for lumbar spinal canal stenosis: a 20-year period survival function method analysis. <i>European Spine Journal</i> , 2015, 24, 381-387.	2.2	29
25	Distribution of ossified spinal lesions in patients with severe ossification of the posterior longitudinal ligament and prediction of ossification at each segment based on the cervical OP index classification: a multicenter study (JOSL CT study). <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 107.	1.9	26
26	Spine-shortening vertebral osteotomy in a patient with tethered cord syndrome and a vertebral fracture. <i>Journal of Neurosurgery: Spine</i> , 2008, 9, 62-66.	1.7	25
27	Upregulation of the receptor-interacting protein 3 expression and involvement in neural tissue damage after spinal cord injury in mice. <i>BMC Neuroscience</i> , 2015, 16, 62.	1.9	24
28	Dynamic Changes in the Dural Sac Cross-Sectional Area on Axial Loaded MR Imaging: Is There a Difference between Degenerative Spondylolisthesis and Spinal Stenosis?. <i>American Journal of Neuroradiology</i> , 2012, 33, 1191-1197.	2.4	23
29	Randomized trial of granulocyte colony-stimulating factor for spinal cord injury. <i>Brain</i> , 2021, 144, 789-799.	7.6	23
30	Co-existence of ossification of the nuchal ligament is associated with severity of ossification in the whole spine in patients with cervical ossification of the posterior longitudinal ligament -A multi-center CT study-. <i>Journal of Orthopaedic Science</i> , 2019, 24, 35-41.	1.1	21
31	Successful Management of Gorham-Stout Disease in the Cervical Spine by Combined Conservative and Surgical Treatments: A Case Report. <i>Tohoku Journal of Experimental Medicine</i> , 2017, 241, 249-254.	1.2	20
32	Chaperone-Mediated Autophagy in Neurodegenerative Diseases and Acute Neurological Insults in the Central Nervous System. <i>Cells</i> , 2022, 11, 1205.	4.1	20
33	Recurrence of ossification of ligamentum flavum at the same intervertebral level in the thoracic spine: a report of two cases and review of the literature. <i>European Spine Journal</i> , 2018, 27, 359-367.	2.2	18
34	Low-energy extracorporeal shock wave therapy promotes BDNF expression and improves functional recovery after spinal cord injury in rats. <i>Experimental Neurology</i> , 2020, 328, 113251.	4.1	18
35	Study protocol for the G-SPIRIT trial: a randomised, placebo-controlled, double-blinded phase III trial of granulocyte colony-stimulating factor-mediated neuroprotection for acute spinal cord injury. <i>BMJ Open</i> , 2018, 8, e019083.	1.9	17
36	Novel augmentation technique of percutaneous pedicle screw fixation using hydroxyapatite granules in the osteoporotic lumbar spine: a cadaveric biomechanical analysis. <i>European Spine Journal</i> , 2021, 30, 71-78.	2.2	14

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37	Surgical Management of Giant Sacral Schwannoma: A Case Series and Literature Review. <i>World Neurosurgery</i> , 2019, 129, e216-e223.	1.3	13
38	B-RAFV600E Inhibitor Dabrafenib Attenuates RIPK3-Mediated Necroptosis and Promotes Functional Recovery after Spinal Cord Injury. <i>Cells</i> , 2019, 8, 1582.	4.1	13
39	Enhancing percutaneous pedicle screw fixation with hydroxyapatite granules: A biomechanical study using an osteoporotic bone model. <i>PLoS ONE</i> , 2019, 14, e0223106.	2.5	12
40	Diagnosis of benign notochordal cell tumor of the spine: is a biopsy necessary?. <i>Clinical Case Reports (discontinued)</i> , 2018, 6, 63-67.	0.5	11
41	An increase in the degree ofolisthesis during axial loading reduces the dural sac size and worsens clinical symptoms in patients with degenerative spondylolisthesis. <i>Spine Journal</i> , 2018, 18, 726-733.	1.3	11
42	Chaperone-Mediated Autophagy after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 1687-1695.	3.4	11
43	Machine Learning Approach in Predicting Clinically Significant Improvements After Surgery in Patients with Cervical Ossification of the Posterior Longitudinal Ligament. <i>Spine</i> , 2021, 46, 1683-1689.	2.0	11
44	Innovation of Surgical Techniques for Screw Fixation in Patients with Osteoporotic Spine. <i>Journal of Clinical Medicine</i> , 2022, 11, 2577.	2.4	11
45	Epidemiology of Surgically Treated Primary Spinal Cord Tumors in Miyagi, Japan. <i>Neuroepidemiology</i> , 2013, 41, 156-160.	2.3	10
46	Comparison of Surgical Outcomes After Open- and Double-Door Laminoplasties for Patients with Cervical Ossification of the Posterior Longitudinal Ligament. <i>Spine</i> , 2021, 46, E1238-E1245.	2.0	10
47	Comparison of low back pain sites identified by patient's finger versus hand: prospective randomized controlled clinical trial. <i>Journal of Orthopaedic Science</i> , 2007, 12, 254-259.	1.1	8
48	Reoperation Rates after Laminoplasty for Cervical Disorders: A 26-Year Period Survival Function Method Analysis. <i>Spine Surgery and Related Research</i> , 2019, 3, 304-311.	0.7	7
49	Anterior decompression through a posterior approach for thoracic myelopathy caused by ossification of the posterior longitudinal ligament: a novel concept in anterior decompression and technical notes with the preliminary outcomes. <i>Journal of Neurosurgery: Spine</i> , 2021, , 1-11.	1.7	7
50	Increased Facet Fluid Predicts Dynamic Changes in the Dural Sac Size on Axial-Loaded MRI in Patients with Lumbar Spinal Canal Stenosis. <i>American Journal of Neuroradiology</i> , 2016, 37, 730-735.	2.4	6
51	Comparison of laminoplasty and posterior fusion surgery for cervical ossification of posterior longitudinal ligament. <i>Scientific Reports</i> , 2022, 12, 748.	3.3	6
52	Changes in Expression of Receptor-Interacting Protein Kinase 1 in Secondary Neural Tissue Damage Following Spinal Cord Injury. <i>Neuroscience Insights</i> , 2020, 15, 263310552090640.	1.6	5
53	Mid- to Long-Term Outcomes After Resection of Thoracic Dumbbell Tumors Managed by Laminectomy and Unilateral Total Facetectomy Without Instrumented Fusion. <i>Global Spine Journal</i> , 2023, 13, 771-780.	2.3	5
54	Impact of Diabetes Mellitus on Cervical Spine Surgery for Ossification of the Posterior Longitudinal Ligament. <i>Journal of Clinical Medicine</i> , 2021, 10, 3375.	2.4	5

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55	T1 radiculopathy caused by intervertebral disc herniation: symptomatic and neurological features. <i>Journal of Orthopaedic Science</i> , 2009, 14, 103-106.	1.1	4
56	Atypical Findings on Magnetic Resonance Imaging in the Patients with Active Pyogenic Spondylitis in Japanese University Hospitals. <i>Tohoku Journal of Experimental Medicine</i> , 2013, 231, 13-19.	1.2	4
57	Spinal Cord Swelling After Surgery in Cervical Spondylotic Myelopathy. <i>Clinical Spine Surgery</i> , 2018, 31, E363-E367.	1.3	4
58	The characteristics of the patients with radiologically severe cervical ossification of the posterior longitudinal ligament of the spine: A CT-based multicenter cross-sectional study. <i>Journal of Orthopaedic Science</i> , 2020, 25, 746-750.	1.1	4
59	Perioperative Complications in Posterior Surgeries for Cervical Ossification of the Posterior Longitudinal Ligament. <i>Clinical Spine Surgery</i> , 2021, Publish Ahead of Print, E594-E600.	1.3	4
60	Severity of Myelopathy is Closely Associated With Advanced Age and Signal Intensity Change in Cervical Ossification of the Posterior Longitudinal Ligament. <i>Clinical Spine Surgery</i> , 2022, 35, E155-E161.	1.3	3
61	Prevalence of pre-existing factors causing spinal cord compression: Is there a difference between patients suffering from cervical spinal cord injury with and without bone injury?. <i>Journal of Orthopaedic Science</i> , 2021, , .	1.1	3
62	Association of occupational direct radiation exposure to the hands with longitudinal melanonychia and hand eczema in spine surgeons: a survey by the society for minimally invasive spinal treatment (MIST). <i>European Spine Journal</i> , 2021, 30, 3702-3708.	2.2	3
63	Factors Significantly Associated with Postoperative Neck Pain Deterioration after Surgery for Cervical Ossification of the Posterior Longitudinal Ligament: Study of a Cohort Using a Prospective Registry. <i>Journal of Clinical Medicine</i> , 2021, 10, 5026.	2.4	3
64	Reinforcement of Percutaneous Pedicle Screw Fixation with Hydroxyapatite Granules in Patients with Osteoporotic Spine: Biomechanical Performance and Clinical Outcomes. <i>Medicina (Lithuania)</i> , 2022, 58, 579.	2.0	3
65	Recurrent primary osseous hemangiopericytoma in the thoracic spine: a case report and literature review. <i>European Spine Journal</i> , 2018, 27, 386-392.	2.2	2
66	Several pathologies cause delayed postoperative paralysis following posterior decompression and spinal fusion for thoracic myelopathy caused by ossification of the posterior longitudinal ligament. <i>Journal of Orthopaedic Science</i> , 2022, 27, 725-733.	1.1	2
67	Surgical results of nonambulatory patients caused by ossification of the posterior longitudinal ligaments in the thoracic spine: retrospective comparative study between posterior decompression and instrumented spinal fusion versus anterior decompression through a posterior approach. <i>Journal of Neurosurgery: Spine</i> , 2021, 34, 492-497.	1.7	2
68	Answer to the Letter to the Editor of T. Morimoto et al. concerning "Novel augmentation technique of percutaneous pedicle screw fixation using hydroxyapatite granules in the osteoporotic lumbar spine: A cadaveric biomechanical analysis" by Kanno, et al. [<i>Eur Spine J.</i> 2021 Jan;30(1):71-78]. <i>European Spine Journal</i> , 2021, 31, 212.	2.2	2
69	Retrospective comparison of the surgical results for patients with thoracic myelopathy caused by ossification of the posterior longitudinal ligament: Posterior decompression with instrumented spinal fusion versus modified anterior decompression through a posterior approach. <i>Journal of Orthopaedic Science</i> , 2022, 27, 323-329.	1.1	1
70	Impact of obesity on cervical ossification of the posterior longitudinal ligament: a nationwide prospective study. <i>Scientific Reports</i> , 2022, 12, .	3.3	1
71	Rate of spinal surgery in a rapidly aging society: the 27-year changes in Miyagi prefecture, Japan. <i>Journal of Neurosurgical Sciences</i> , 2021, 64, 525-530.	0.6	0
72	Neurological improvement is associated with neck pain attenuation after surgery for cervical ossification of the posterior longitudinal ligament. <i>Scientific Reports</i> , 2021, 11, 11910.	3.3	0

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73	Autophagy in Spinal Cord Injury: Pathogenic Roles and Therapeutic Implications. , 2014, , 19-30.		0