

Takahiro Makino

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,342
citations

331670

21
h-index

414414

32
g-index

65
all docs

65
docs citations

65
times ranked

1538
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of early degeneration of the adjacent segment after posterior lumbar interbody fusion by excessive distraction of lumbar disc space. <i>Journal of Neurosurgery: Spine</i> , 2010, 12, 671-679.	1.7	97
2	Molecular-Based Treatment Strategies for Osteoporosis: A Literature Review. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2557.	4.1	75
3	Effect of Biological Agents on Cervical Spine Lesions in Rheumatoid Arthritis. <i>Spine</i> , 2012, 37, 1742-1746.	2.0	48
4	Hounsfield unit of screw trajectory as a predictor of pedicle screw loosening after single level lumbar interbody fusion. <i>Journal of Orthopaedic Science</i> , 2018, 23, 734-738.	1.1	47
5	Intervertebral disc regeneration with an adipose mesenchymal stem cell-derived tissue-engineered construct in a rat nucleotomy model. <i>Acta Biomaterialia</i> , 2019, 87, 118-129.	8.3	46
6	Perioperative complications of primary posterior lumbar interbody fusion for nonisthmic spondylolisthesis: analysis of risk factors. <i>Journal of Neurosurgery: Spine</i> , 2008, 9, 403-407.	1.7	45
7	The bone morphogenetic protein-2/7 heterodimer is a stronger inducer of bone regeneration than the individual homodimers in a rat spinal fusion model. <i>Spine Journal</i> , 2015, 15, 1379-1390.	1.3	43
8	Predictors for the Progression of Cervical Lesion in Rheumatoid Arthritis Under the Treatment of Biological Agents. <i>Spine</i> , 2013, 38, 2258-2263.	2.0	42
9	Impact of Cervical Sagittal Alignment on Axial Neck Pain and Health-related Quality of Life After Cervical Laminoplasty in Patients With Cervical Spondylotic Myelopathy or Ossification of the Posterior Longitudinal Ligament. <i>Clinical Spine Surgery</i> , 2018, 31, E245-E251.	1.3	40
10	BMP-2/7 heterodimer strongly induces bone regeneration in the absence of increased soft tissue inflammation. <i>Spine Journal</i> , 2018, 18, 139-146.	1.3	40
11	Postoperative displacement of hydroxyapatite spacers implanted during double-door laminoplasty. <i>Journal of Neurosurgery: Spine</i> , 2009, 10, 551-556.	1.7	37
12	Risk Factors for Poor Patient-Reported Quality of Life Outcomes After Posterior Lumbar Interbody Fusion. <i>Spine</i> , 2017, 42, 1502-1510.	2.0	37
13	Does fusion status after posterior lumbar interbody fusion affect patient-based QOL outcomes? An evaluation performed using a patient-based outcome measure. <i>Journal of Orthopaedic Science</i> , 2014, 19, 707-712.	1.1	36
14	Dural tear is associated with an increased rate of other perioperative complications in primary lumbar spine surgery for degenerative diseases. <i>Medicine (United States)</i> , 2019, 98, e13970.	1.0	36
15	The Biological Enhancement of Spinal Fusion for Spinal Degenerative Disease. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2430.	4.1	34
16	Effect of Early vs Delayed Surgical Treatment on Motor Recovery in Incomplete Cervical Spinal Cord Injury With Preexisting Cervical Stenosis. <i>JAMA Network Open</i> , 2021, 4, e2133604.	5.9	34
17	Comparison in the same intervertebral space between titanium-coated and uncoated PEEK cages in lumbar interbody fusion surgery. <i>Journal of Orthopaedic Science</i> , 2020, 25, 565-570.	1.1	33
18	Disc space distraction is a potent risk factor for adjacent disc disease after PLIF. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2011, 131, 1499-1507.	2.4	27

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19	Low back pain and patient-reported QOL outcomes in patients with adolescent idiopathic scoliosis without corrective surgery. SpringerPlus, 2015, 4, 397.	1.2	26
20	Towards prognostic functional brain biomarkers for cervical myelopathy: A resting-state fMRI study. Scientific Reports, 2019, 9, 10456.	3.3	26
21	Neurological manifestations of thoracic myelopathy. Archives of Orthopaedic and Trauma Surgery, 2014, 134, 903-912.	2.4	25
22	Resting-state Amplitude of Low-frequency Fluctuation is a Potentially Useful Prognostic Functional Biomarker in Cervical Myelopathy. Clinical Orthopaedics and Related Research, 2020, 478, 1667-1680.	1.5	23
23	Circulating sclerostin and dickkopf-1 levels in ossification of the posterior longitudinal ligament of the spine. Journal of Bone and Mineral Metabolism, 2016, 34, 315-324.	2.7	22
24	Prognostic impact of intra- and postoperative management of dural tear on postoperative complications in primary degenerative lumbar diseases. Bone and Joint Journal, 2019, 101-B, 1115-1121.	4.4	22
25	Health-related Quality of Life and Postural Changes of Spinal Alignment in Female Adolescents Associated With Back Pain in Adolescent Idiopathic Scoliosis. Spine, 2019, 44, E833-E840.	2.0	22
26	Analysis of lumbar pedicle morphology in degenerative spines using multiplanar reconstruction computed tomography: what can be the reliable index for optimal pedicle screw diameter?. European Spine Journal, 2012, 21, 1516-1521.	2.2	20
27	Lumbar Scoliosis in Rheumatoid Arthritis. Spine, 2013, 38, E339-E343.	2.0	18
28	Incidence and risk factors for cervical lesions in patients with rheumatoid arthritis under the current pharmacologic treatment paradigm. Modern Rheumatology, 2017, 27, 593-597.	1.8	18
29	Low incidence of adjacent segment disease after posterior lumbar interbody fusion with minimum disc distraction. Medicine (United States), 2018, 97, e9631.	1.0	18
30	Myelopathy Hand. Spine, 2010, 35, E273-E277.	2.0	17
31	Effects of single or combination therapy of teriparatide and anti-RANKL monoclonal antibody on bone defect regeneration in mice. Bone, 2018, 106, 1-10.	2.9	16
32	ONO-1301 Enhances in vitro Osteoblast Differentiation and in vivo Bone Formation Induced by Bone Morphogenetic Protein. Spine, 2018, 43, E616-E624.	2.0	16
33	Postoperative 24-Hour Result of 15-Second Grip-and-Release Test Correlates With Surgical Outcome of Cervical Compression Myelopathy. Spine, 2012, 37, 1283-1287.	2.0	15
34	Modeling and remodeling effects of intermittent administration of teriparatide (parathyroid) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 T Reports, 2016, 5, 173-180.	0.4	14
35	Development of scoliosis in young children with osteogenesis imperfecta undergoing intravenous bisphosphonate therapy. Journal of Bone and Mineral Metabolism, 2019, 37, 545-553.	2.7	14
36	Risk factor analysis of surgery-related complications in primary cervical spine surgery for degenerative diseases using a surgeon-maintained database. Bone and Joint Journal, 2021, 103-B, 157-163.	4.4	13

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37	Thoracic spinal epidural angioliipoma: report of two cases and review of the literature. <i>Turkish Neurosurgery</i> , 2011, 23, 271-7.	0.2	13
38	Difference in the fusion rate and bone formation between artificial bone and iliac autograft inside an inter-body fusion cage – A comparison between porous hydroxyapatite/type 1 collagen composite and autologous iliac bone. <i>Journal of Orthopaedic Science</i> , 2018, 23, 622-626.	1.1	12
39	Positional occlusion of the vertebral artery in a case of rheumatoid atlantoaxial subluxation presenting with multiple cerebral and cerebellar infarction. <i>Modern Rheumatology</i> , 2012, 22, 605-609.	1.8	11
40	Computed tomography color mapping for evaluation of bone ongrowth on the surface of a titanium-coated polyetheretherketone cage in vivo. <i>Medicine (United States)</i> , 2018, 97, e12379.	1.0	11
41	A novel and efficient method for culturing mouse nucleus pulposus cells. <i>Spine Journal</i> , 2019, 19, 1573-1583.	1.3	11
42	Risk factors for in-hospital mortality after spine surgery: a matched case-control study using a multicenter database. <i>Spine Journal</i> , 2020, 20, 321-328.	1.3	11
43	Morphometric analysis using multiplanar reconstructed CT of the lumbar pedicle in patients with degenerative lumbar scoliosis characterized by a Cobb angle of 30° or greater. <i>Journal of Neurosurgery: Spine</i> , 2012, 17, 256-262.	1.7	10
44	Late-onset deep surgical-site infection after posterior lumbar interbody fusion in a patient treated with tocilizumab; unusual changes in inflammatory markers. <i>European Spine Journal</i> , 2014, 23, 296-301.	2.2	10
45	Finger-tapping Motion Analysis in Cervical Myelopathy by Magnetic-Sensor Tapping Device. <i>Journal of Spinal Disorders and Techniques</i> , 2013, 26, E204-E208.	1.9	9
46	Administration of ONO-2506 suppresses neuropathic pain after spinal cord injury by inhibition of astrocytic activation. <i>Spine Journal</i> , 2019, 19, 1434-1442.	1.3	9
47	Plasticity of vertebral wedge deformities in skeletally immature patients with adolescent idiopathic scoliosis after posterior corrective surgery. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 424.	1.9	8
48	Complications after spinal fixation surgery for osteoporotic vertebral collapse with neurological deficits: Japan Association of Spine Surgeons with ambition multicenter study. <i>Journal of Orthopaedic Science</i> , 2019, 24, 985-990.	1.1	8
49	Predictors for progression of two different types of cervical lesions in rheumatoid arthritis treated with biologic agents. <i>Journal of Orthopaedic Science</i> , 2019, 24, 214-218.	1.1	8
50	Comparison of Short-Term Radiographical and Clinical Outcomes After Posterior Lumbar Interbody Fusion With a 3D Porous Titanium Alloy Cage and a Titanium-Coated PEEK Cage. <i>Global Spine Journal</i> , 2022, 12, 931-939.	2.3	8
51	Impact of mechanical stability on the progress of bone ongrowth on the frame surfaces of a titanium-coated PEEK cage and a 3D porous titanium alloy cage: in vivo analysis using CT color mapping. <i>European Spine Journal</i> , 2021, 30, 1303-1313.	2.2	8
52	Effects of rhBMP-2-loaded hydroxyapatite granules/beta-tricalcium phosphate hydrogel (HA/β ² -TCP/hydrogel) composite on a rat model of caudal intervertebral fusion. <i>Scientific Reports</i> , 2022, 12, 7906.	3.3	8
53	The combined effects of teriparatide and anti-RANKL monoclonal antibody on bone defect regeneration in ovariectomized mice. <i>Bone</i> , 2020, 130, 115077.	2.9	6
54	Assessment of effects of rhBMP-2 on interbody fusion with a novel rat model. <i>Spine Journal</i> , 2020, 20, 821-829.	1.3	6

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55	Factors related to length of hospital stay after two-stage corrective surgery for adult spinal deformity in elderly Japanese. <i>Journal of Orthopaedic Science</i> , 2021, 26, 123-127.	1.1	6
56	Positional occlusion of the vertebral artery in a case of rheumatoid atlantoaxial subluxation presenting with multiple cerebral and cerebellar infarction. <i>Modern Rheumatology</i> , 2012, 22, 605-609.	1.8	6
57	Differences in vertebral morphology around the apical vertebrae between neuromuscular scoliosis and idiopathic scoliosis in skeletally immature patients: a three-dimensional morphometric analysis. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 459.	1.9	5
58	Efficacy of lumbar orthoses after posterior lumbar interbody fusion—a prospective randomized study. <i>Medicine (United States)</i> , 2019, 98, e15183.	1.0	5
59	Postoperative T1 tilt is a risk factor for postoperative distal adding-on in Lenke type 1 adolescent idiopathic scoliosis. <i>Medicine (United States)</i> , 2020, 99, e19983.	1.0	3
60	Dorsal spinal cord herniation at the thoracolumbar junction presenting with scalloping of ossification of the ligamentum flavum: case report. <i>Journal of Neurosurgery: Spine</i> , 2020, 32, 56-60.	1.7	3
61	Iatrogenic Arteriovenous Fistula and Retroperitoneal Hemorrhage After Tapping of Lumbar Pedicle Screws. <i>JBJS Case Connector</i> , 2019, 9, e0477-e0477.	0.3	2
62	Direct Involvement of Concomitant Foraminotomy for Radiculomyelopathy in Postoperative Upper Limb Palsy in Cervical Laminoplasty. <i>World Neurosurgery</i> , 2021, 146, e14-e21.	1.3	2
63	Prostaglandin EP4 Selective Agonist AKDS001 Enhances New Bone Formation by Minimodeling in a Rat Heterotopic Xenograft Model of Human Bone. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 845716.	4.1	1
64	Spinal Disorders as a Cause of Locomotive Syndrome: The Influence on Functional Mobility and Activities of Daily Living. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , 2016, 14, 105-115.	0.8	0
65	Navigation-guided radiofrequency ablation for osteoid osteoma in the lumbar spine with a continuous cooling system for preventing neural damage: A report of two cases. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2021, 23, 100926.	0.3	0