Hiromitsu Toyoda

List of Publications by Year
in descending order

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44	746	516710	552781
papers	citations	16 h-index	26 g-index

44	44	44	742
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimized use of a biodegradable polymer as a carrier material for the local delivery of recombinant human bone morphogenetic protein-2 (rhBMP-2). Biomaterials, 2006, 27, 2035-2041.	11.4	78
2	Clinical Outcome of Microsurgical Bilateral Decompression via Unilateral Approach for Lumbar Canal Stenosis. Spine, 2011, 36, 410-415.	2.0	66
3	Experimental Spinal Fusion With Recombinant Human Bone Morphogenetic Protein-2 Delivered by a Synthetic Polymer and Î²-Tricalcium Phosphate in a Rabbit Model. Spine, 2005, 30, 1717-1722.	2.0	53
4	The influence of preoperative spinal sagittal balance on clinical outcomes after microendoscopic laminotomy in patients with lumbar spinal canal stenosis. Journal of Neurosurgery: Spine, 2015, 23, 49-54.	1.7	51
5	Prognostic Factors for Reduction of Activities of Daily Living Following Osteoporotic Vertebral Fractures. Spine, 2012, 37, 1115-1121.	2.0	38
6	Radiographic evaluation of postoperative bone regrowth after microscopic bilateral decompression via a unilateral approach for degenerative lumbar spondylolisthesis. Journal of Neurosurgery: Spine, 2013, 18, 472-478.	1.7	37
7	Factors associated with improvement in sagittal spinal alignment after microendoscopic laminotomy in patients with lumbar spinal canal stenosis. Journal of Neurosurgery: Spine, 2016, 25, 39-45.	1.7	33
8	Prevalence of Diffuse Idiopathic Skeletal Hyperostosis in Patients with Spinal Disorders. Asian Spine Journal, 2017, 11, 63-70.	2.0	31
9	Diffuse idiopathic skeletal hyperostosis is associated with lumbar spinal stenosis requiring surgery. Journal of Bone and Mineral Metabolism, 2019, 37, 118-124.	2.7	29
10	The association of back muscle strength and sarcopenia-related parameters in the patients with spinal disorders. European Spine Journal, 2019, 28, 241-249.	2.2	28
11	Development of a scoring system for predicting adjacent vertebral fracture after balloon kyphoplasty. Spine Journal, 2019, 19, 1194-1201.	1.3	27
12	Using artificial intelligence to diagnose fresh osteoporotic vertebral fractures on magnetic resonance images. Spine Journal, 2021, 21, 1652-1658.	1.3	25
13	Intradural Extramedullary Hemangioblastoma Differentiated by MR Images in the Cervical Spine. Journal of Spinal Disorders and Techniques, 2004, 17, 343-347.	1.9	22
14	Balloon Kyphoplasty Versus Conservative Treatment for Acute Osteoporotic Vertebral Fractures With Poor Prognostic Factors. Spine, 2019, 44, 110-117.	2.0	22
15	Differences in short-term clinical and radiological outcomes depending on timing of balloon kyphoplasty for painful osteoporotic vertebral fracture. Journal of Orthopaedic Science, 2018, 23, 51-56.	1.1	18
16	Efficacy of interspinous process lumbar fusion with recombinant human bone morphogenetic protein-2 delivered with a synthetic polymer and Î²-tricalcium phosphate in a rabbit model. European Spine Journal, 2012, 21, 1338-1345.	2.2	16
17	Spinopelvic alignment of diffuse idiopathic skeletal hyperostosis in lumbar spinal stenosis. European Spine Journal, 2014, 23, 1302-1308.	2.2	15
18	Characterizing the course of back pain after osteoporotic vertebral fracture: a hierarchical cluster analysis of a prospective cohort study. Archives of Osteoporosis, 2017, 12, 82.	2.4	15

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19	Association between MRI findings and back pain after osteoporotic vertebral fractures: a multicenter prospective cohort study. Spine Journal, 2019, 19, 1186-1193.	1.3	15
20	Anatomical analysis of human ligamentum flavum in the cervical spine: Special consideration to the attachments, coverage, and lateral extent. Journal of Orthopaedic Science, 2017, 22, 994-1000.	1.1	14
21	Increased advanced glycation end products in hypertrophied ligamentum flavum of diabetes mellitus patients. Spine Journal, 2019, 19, 1739-1745.	1.3	14
22	Characteristic radiological findings for revision surgery after balloon kyphoplasty. Scientific Reports, 2019, 9, 18513.	3.3	13
23	Classification and prognostic factors of residual symptoms after minimally invasive lumbar decompression surgery using a cluster analysis: a 5-year follow-up cohort study. European Spine Journal, 2021, 30, 918-927.	2.2	11
24	Comparison of minimally invasive decompression and combined minimally invasive decompression and fusion in patients with degenerative spondylolisthesis with instability. Journal of Clinical Neuroscience, 2018, 57, 79-85.	1.5	10
25	Impact of Sarcopenia on Clinical Outcomes of Minimally Invasive Lumbar Decompression Surgery. Scientific Reports, 2019, 9, 16619.	3.3	10
26	In vivo study on the healing of bone defect treated with non-thermal atmospheric pressure gas discharge plasma. PLoS ONE, 2021, 16, e0255861.	2.5	8
27	A bone replacement-type calcium phosphate cement that becomes more porous in vivo by incorporating a degradable polymer. Journal of Materials Science: Materials in Medicine, 2021, 32, 77.	3.6	7
28	Associations between physical function, falls, and the fear of falling among older adults participating in a community-based physical exercise program: A longitudinal multilevel modeling study. Archives of Gerontology and Geriatrics, 2022, 102, 104752.	3.0	7
29	Restrictions of cervical flexion after laminoplasty increase in the mechanical stress at the occipitocervical junction in non-rheumatoid arthritis patients. Journal of Clinical Neuroscience, 2017, 45, 187-192.	1.5	5
30	Addison's Disease Caused by Tuberculosis with Atypical Hyperpigmentation and Active Pulmonary Tuberculosis. Internal Medicine, 2017, 56, 1843-1847.	0.7	4
31	Incidence of and risk factors for spondylolisthesis, scoliosis, and vertebral fracture in rheumatoid arthritis. Journal of Bone and Mineral Metabolism, 2022, 40, 120-131.	2.7	4
32	A Case of Imported <i>Taenia asiatica</i> Infection in Japan. Japanese Journal of Infectious Diseases, 2018, 71, 170-171.	1.2	3
33	Can Conventional Magnetic Resonance Imaging Substitute Three-Dimensional Magnetic Resonance Imaging in the Diagnosis of Lumbar Foraminal Stenosis?. Asian Spine Journal, 2021, 15, 472-480.	2.0	3
34	Facet Joint Opening on Computed Tomography is a Predictor of Poor Clinical Outcomes After Minimally Invasive Decompression Surgery for Lumbar Spinal Stenosis. Spine, 2021, Publish Ahead of Print, .	2.0	3
35	Mid-term changes in spinopelvic sagittal alignment in lumbar spinal stenosis with coexisting degenerative spondylolisthesis or scoliosis after minimally invasive lumbar decompression surgery: minimum five-year follow-up. Spine Journal, 2022, 22, 819-826.	1.3	3
36	Differences in surgical outcome after anterior corpectomy and reconstruction with an expandable cage with rectangular footplates between thoracolumbar and lumbar osteoporotic vertebral fracture. North American Spine Society Journal (NASSJ), 2021, 6, 100071.	0.5	2

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37	Direct Lateral Corpectomy and Reconstruction Using an Expandable Cage Improves Local Kyphosis but Not Global Sagittal Alignment. Journal of Clinical Medicine, 2021, 10, 4012.	2.4	2
38	Relationship between facet joint opening on CT and facet joint effusion on MRI in patients with lumbar spinal stenosis: analysis of a less invasive decompression procedure. Journal of Neurosurgery: Spine, 2022, 36, 376-384.	1.7	2
39	Relationship between number of radiological risk factors for delayed union after osteoporotic vertebral fracture and clinical outcomes. Archives of Osteoporosis, 2021, 16, 20.	2.4	1
40	Risk factors for low back pain increase in rheumatoid arthritis: Analysis of a 7-year follow-up study. Modern Rheumatology, 2022, 32, 1027-1034.	1.8	1
41	Answer to the Letter to the Editor concerning â€œThe association of back muscle strength and sarcopenia-related parameters in the patients with spinal disordersâ€•by Toyoda H, et al. (Eur Spine J;) Tj ETQq1 1 0.784314 rgBT /Overlo	2.4	0
42	Risk factors of the poor long-term prognosis of osteoporotic vertebral fractures: A multicenter cohort study. Journal of Orthopaedic Surgery, 2021, 29, 230949902199496.	1.0	0
43	Prevalence of Restless Legs Syndrome and its Symptoms among Patients with Spinal Disorders. Journal of Clinical Medicine, 2021, 10, 5001.	2.4	0
44	Liver Abscesses due to Foreign Body Penetration in Meckel's Diverticulum. The Journal of the Japanese Society of Internal Medicine, 2021, 110, 996-1001.	0.0	0