

Takayoshi Shimizu

List of Publications by Year in descending order

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papers

531
citations

759233

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#	ARTICLE	IF	CITATIONS
1	Bioactivity of sol-gel-derived TiO ₂ coating on polyetheretherketone: In vitro and in vivo studies. <i>Acta Biomaterialia</i> , 2016, 35, 305-317.	8.3	68
2	Strontium and magnesium ions released from bioactive titanium metal promote early bone bonding in a rabbit implant model. <i>Acta Biomaterialia</i> , 2017, 63, 383-392.	8.3	58
3	Indirect decompression via oblique lateral interbody fusion for severe degenerative lumbar spinal stenosis: a comparative study with direct decompression transforaminal/posterior lumbar interbody fusion. <i>Spine Journal</i> , 2021, 21, 963-971.	1.3	46
4	Diffuse idiopathic skeletal hyperostosis (DISH) is a risk factor for further surgery in short-segment lumbar interbody fusion. <i>European Spine Journal</i> , 2015, 24, 2514-2519.	2.2	37
5	In vivo and in vitro bioactivity of a precursor of apatite treatment on polyetheretherketone. <i>Acta Biomaterialia</i> , 2019, 91, 48-59.	8.3	34
6	In vivo experimental study of anterior cervical fusion using bioactive polyetheretherketone in a canine model. <i>PLoS ONE</i> , 2017, 12, e0184495.	2.5	28
7	Analysis of the Factors Affecting Lumbar Segmental Lordosis After Lateral Lumbar Interbody Fusion. <i>Spine</i> , 2020, 45, E839-E846.	2.0	21
8	Preoperative halo-gravity traction for treatment of severe adult kyphosis and scoliosis. <i>Spine Deformity</i> , 2020, 8, 85-95.	1.5	21
9	A multi-center study of reoperations within 30 days of spine surgery. <i>European Spine Journal</i> , 2016, 25, 828-835.	2.2	20
10	Spontaneous anterior arch fracture of the atlas following C1 laminectomy without fusion: A report of three cases and finite element analysis. <i>Journal of Orthopaedic Science</i> , 2016, 21, 306-315.	1.1	16
11	Incidence and Risk Factors of Anterior Arch Fracture of the Atlas Following C1 Laminectomy Without Fusion. <i>Spine</i> , 2018, 43, 667-674.	2.0	16
12	Reciprocal change of sagittal profile in unfused spinal segments and lower extremities after complex adult spinal deformity surgery including spinopelvic fixation: a full-body X-ray analysis. <i>Spine Journal</i> , 2020, 20, 380-390.	1.3	15
13	<i>In vitro</i> study of antibacterial and osteogenic activity of titanium metal releasing strontium and silver ions. <i>Journal of Biomaterials Applications</i> , 2021, 35, 670-680.	2.4	15
14	Number of Levels of Spinal Fusion Associated with the Rate of Joint-Space Narrowing in the Hip. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 953-960.	3.0	14
15	Bioactivity and antibacterial activity of strontium and silver ion releasing titanium. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 238-245.	3.4	13
16	Outcomes of lumbar decompression surgery in patients with diffuse idiopathic skeletal hyperostosis (DISH). <i>Journal of Orthopaedic Science</i> , 2019, 24, 957-962.	1.1	11
17	Reciprocal Change in Sagittal Profiles After Adolescent Idiopathic Scoliosis Surgery With Segmental Pedicle Screw Construct. <i>Spine</i> , 2019, 44, 1705-1714.	2.0	10
18	Indirect Decompression Through Oblique Lateral Interbody Fusion for Revision Surgery After Lumbar Decompression. <i>World Neurosurgery</i> , 2020, 141, e389-e399.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Bioactivity and antibacterial activity of iodine-containing calcium titanate against implant-associated infection. , 2022, 138, 212952.		8
20	Simultaneous occurrence of a severe Morel-Lavall�e lesion and gluteal muscle necrosis as a sequela of transcatheter angiographic embolization following pelvic fracture: a case report. Journal of Medical Case Reports, 2015, 9, 69.	0.8	6
21	Implantable composite devices of unsintered hydroxyapatite and poly-L-lactide with dispersive marbling morphology to enhance in vivo bioactivity and bioresorbability. Materials Science and Engineering C, 2019, 97, 698-706.	7.3	6
22	Combining a Vascular Bundle and 3D Printed Scaffold with BMP-2 Improves Bone Repair and Angiogenesis. Tissue Engineering - Part A, 2021, 27, 1517-1525.	3.1	6
23	Possible Association of Pedicle Screw Diameter on Pseudoarthrosis Rate After Transforaminal Lumbar Interbody Fusion. World Neurosurgery, 2021, 150, e155-e161.	1.3	5
24	Understanding sagittal compensation in adult spinal deformity patients: relationship between pelvic tilt and lower-extremity position. Journal of Neurosurgery: Spine, 2021, 35, 616-623.	1.7	5
25	Salvage Oblique Lateral Interbody Fusion for Pseudarthrosis after Posterior/Transforaminal Lumbar Interbody Fusion: A Technical Note. World Neurosurgery, 2021, 152, 107-112.	1.3	5
26	Optimizing the layer thickness of sol�e�gel-derived TiO2 coating on polyetheretherketone. Scientific Reports, 2021, 11, 15875.	3.3	5
27	Utility of Thoracolumbar Low-Dose CT With Model-Based Iterative Reconstruction for Measuring Pedicle Diameter Using a Radiation Dose Less Than a One-Time Lumbar X-Ray. Spine, 2020, 45, 38-47.	2.0	4
28	An Observational Survey of Nail and Skin of Spine Surgeons-Possible Damage by Occupational Ionizing Radiation Exposure. Spine Surgery and Related Research, 2021, 5, 359-364.	0.7	4
29	Predictive Value of Heterogeneously Enhanced Magnetic Resonance Imaging Findings With Computed Tomography Evidence of Calcification for Severe Motor Deficits in Spinal Meningioma. Neurospine, 2021, 18, 163-169.	2.9	4
30	Long-term Radiographic Outcome of Occipitocervical Fixation. Spine, 2021, 46, 152-159.	2.0	4
31	Prevalence and Predictive Factors of Concurrent Cervical Spinal Cord Compression in Adult Spinal Deformity. Spine, 2019, 44, 1049-1056.	2.0	3
32	Rigid reconstruction with periacetabular multiple screws after the resection of malignant pelvic tumours involving the sacroiliac joint. International Orthopaedics, 2021, 45, 1793-1802.	1.9	3
33	A Radiographic Analysis of Lumbar Fusion Status and Instrumentation Failure After Complex Adult Spinal Deformity Surgery With Spinopelvic Fixation. Clinical Spine Surgery, 2020, 33, E545-E552.	1.3	2
34	Residual anterior cord compression after laminoplasty for cervical spondylotic myelopathy: evaluation of risk factors according to the most severely stenotic vertebral segment. Journal of Neurosurgery: Spine, 2022, 37, 794-801.	1.7	2
35	Cervical spinal computed tomography utilizing model-based iterative reconstruction reduces radiation to an equivalent of three cervical X-rays. European Spine Journal, 2020, 29, 2804-2813.	2.2	1
36	Bone Coverage around Hydroxyapatite/Poly(L-Lactide) Composite Is Determined According to Depth from Cortical Bone Surface in Rabbits. Materials, 2021, 14, 1458.	2.9	1

#	ARTICLE	IF	CITATIONS
37	Surgeons lack of agreement on determining preoperative radiographic and clinical shoulder balance in adolescent and adult idiopathic scoliosis patients. <i>European Spine Journal</i> , 2021, 30, 661-667.	2.2	1
38	Occipital and external acoustic meatus to axis angle: a useful predictor of oropharyngeal space in rheumatoid arthritis patients with atlantoaxial subluxation. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 534-541.	1.7	1
39	Paraplegia Caused by Multifocal Osteosarcoma With Spinal Lesions. <i>International Journal of Spine Surgery</i> , 2021, 15, 1234-1237.	1.5	1
40	Comparative Study of Circumferential Decompression and Posterior Decompression in Palliative Surgery for Metastatic Thoracic Spinal Tumors. <i>Clinical Spine Surgery</i> , 2022, Publish Ahead of Print, .	1.3	1
41	Inter-spinous process distance: a novel parameter predicting segmental lordosis during posterior cervical spine deformity surgery. <i>European Spine Journal</i> , 2019, 28, 1192-1199.	2.2	0
42	Subtotal En Bloc Resection of the Fourth Lumbar Vertebra for Giant Cell Tumor Using Combined Posterior and Lateral Retroperitoneal Approach. <i>Spine Surgery and Related Research</i> , 2021, 5, 442-445.	0.7	0
43	Chondrosarcoma Arising from the Posterior Iliac Crest Extending into the Spinal Canal. <i>Case Reports in Orthopedics</i> , 2021, 2021, 1-5.	0.3	0
44	Cervical Myelopathy Caused by Invagination of Floating Anomalous C2 and C3 Laminae in the Spinal Canal. <i>Spine Surgery and Related Research</i> , 2020, 4, 274-276.	0.7	0
45	Comparative Study Of The Usage Of Closed Suction And Nonsuction Drains In Cervical Laminoplasty. <i>Spine Surgery and Related Research</i> , 2022, , .	0.7	0