

Hideki Murakami

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

142
papers

2,882
citations

25
h-index

51
g-index

149
ext. papers

3,449
ext. citations

2.4
avg, IF

4.69
L-index

#	Paper	IF	Citations
142	Surgical strategy for spinal metastases. <i>Spine</i> , 2001 , 26, 298-306	3.3	916
141	Total en bloc spondylectomy for spinal tumors: improvement of the technique and its associated basic background. <i>Journal of Orthopaedic Science</i> , 2006 , 11, 3-12	1.6	196
140	Innovative antimicrobial coating of titanium implants with iodine. <i>Journal of Orthopaedic Science</i> , 2012 , 17, 595-604	1.6	129
139	Influence of acute shortening on the spinal cord: an experimental study. <i>Spine</i> , 2005 , 30, 613-20	3.3	102
138	Total en bloc spondylectomy for spinal tumors: surgical techniques and related basic background. <i>Orthopedic Clinics of North America</i> , 2009 , 40, 47-63, vi	3.5	101
137	Distinguishing benign notochordal cell tumors from vertebral chordoma. <i>Skeletal Radiology</i> , 2008 , 37, 291-9	2.7	87
136	Potential harms of interventions for spinal metastatic disease. <i>The Cochrane Library</i> , 2017 ,	5.2	78
135	Total en bloc spondylectomy for spinal metastases in thyroid carcinoma. <i>Journal of Neurosurgery: Spine</i> , 2011 , 14, 172-6	2.8	66
134	Effects on spinal cord blood flow and neurologic function secondary to interruption of bilateral segmental arteries which supply the artery of Adamkiewicz: an experimental study using a dog model. <i>Spine</i> , 2008 , 33, 1533-41	3.3	66
133	More than 10-year follow-up after total en bloc spondylectomy for spinal tumors. <i>Annals of Surgical Oncology</i> , 2014 , 21, 1330-6	3.1	54
132	Does interruption of the artery of Adamkiewicz during total en bloc spondylectomy affect neurologic function?. <i>Spine</i> , 2010 , 35, E1187-92	3.3	50
131	Recapping T-saw laminoplasty for spinal cord tumors. <i>Spine</i> , 1999 , 24, 1363-70	3.3	46
130	Total en bloc spondylectomy for lung cancer metastasis to the spine. <i>Journal of Neurosurgery: Spine</i> , 2010 , 13, 414-7	2.8	43
129	How many ligations of bilateral segmental arteries cause ischemic spinal cord dysfunction? An experimental study using a dog model. <i>Spine</i> , 2006 , 31, E781-9	3.3	42
128	Influence on spinal cord blood flow and function by interruption of bilateral segmental arteries at up to three levels: experimental study in dogs. <i>Spine</i> , 2005 , 30, 2239-43	3.3	41
127	Healing of autologous bone in a titanium mesh cage used in anterior column reconstruction after total spondylectomy. <i>Spine</i> , 2002 , 27, E329-33	3.3	41
126	Perioperative Complications After Surgery for Thoracic Ossification of Posterior Longitudinal Ligament: A Nationwide Multicenter Prospective Study. <i>Spine</i> , 2018 , 43, E1389-E1397	3.3	40

125	Perioperative complications of total en bloc spondylectomy: adverse effects of preoperative irradiation. <i>PLoS ONE</i> , 2014 , 9, e98797	3.7	36
124	Interruption of the bilateral segmental arteries at several levels: influence on vertebral blood flow. <i>Spine</i> , 2004 , 29, 1530-4	3.3	35
123	Clinical outcome of spinal reconstruction after total en bloc spondylectomy at 3 or more levels. <i>Spine</i> , 2013 , 38, E1511-6	3.3	32
122	Biomechanical evaluation of reconstructed lumbosacral spine after total sacrectomy. <i>Journal of Orthopaedic Science</i> , 2002 , 7, 658-64	1.6	31
121	Neurological function after total en bloc spondylectomy for thoracic spinal tumors. <i>Journal of Neurosurgery: Spine</i> , 2010 , 12, 253-6	2.8	30
120	Abdominal trunk muscle weakness and its association with chronic low back pain and risk of falling in older women. <i>BMC Musculoskeletal Disorders</i> , 2019 , 20, 273	2.8	27
119	Complete segmental resection of the spine, including the spinal cord, for telangiectatic osteosarcoma: a report of 2 cases. <i>Spine</i> , 2006 , 31, E117-22	3.3	27
118	Spinal metastasectomy of renal cell carcinoma: A 16-year single center experience with a minimum 3-year follow-up. <i>Journal of Surgical Oncology</i> , 2016 , 113, 587-92	2.8	25
117	The impact of complete surgical resection of spinal metastases on the survival of patients with thyroid cancer. <i>Cancer Medicine</i> , 2016 , 5, 2343-9	4.8	24
116	Novel surgical technique for ossification of posterior longitudinal ligament in the thoracic spine. <i>Journal of Neurosurgery: Spine</i> , 2012 , 17, 525-9	2.8	23
115	Giant cell tumor of the thoracic spine completely removed by total spondylectomy after neoadjuvant denosumab therapy. <i>European Spine Journal</i> , 2017 , 26, 236-242	2.7	16
114	The effect of kyphotic deformity because of vertebral fracture: a finite element analysis of a 10° and 20° wedge-shaped vertebral fracture model. <i>Spine Journal</i> , 2015 , 15, 713-20	4	16
113	Surgical site infection after total en bloc spondylectomy: risk factors and the preventive new technology. <i>Spine Journal</i> , 2015 , 15, 132-7	4	16
112	A two-cage reconstruction versus a single mega-cage reconstruction for lumbar interbody fusion: an experimental comparison. <i>European Spine Journal</i> , 2004 , 13, 432-40	2.7	15
111	Systemic antitumor immune response following reconstruction using frozen autografts for total en bloc spondylectomy. <i>Spine Journal</i> , 2014 , 14, 1567-71	4	14
110	Total spondylectomy for Enneking stage III giant cell tumor of the mobile spine. <i>European Spine Journal</i> , 2018 , 27, 3084-3091	2.7	14
109	A novel method to apply osteogenic potential of adipose derived stem cells in orthopaedic surgery. <i>PLoS ONE</i> , 2014 , 9, e88874	3.7	13
108	Increase of IL-12 following reconstruction for total en bloc spondylectomy using frozen autografts treated with liquid nitrogen. <i>PLoS ONE</i> , 2013 , 8, e64818	3.7	13

107	Surgical Treatment of Osteoporotic Vertebral Fracture with Neurological Deficit-A Nationwide Multicenter Study in Japan. <i>Spine Surgery and Related Research</i> , 2019 , 3, 361-367	1.7	12
106	The effect of spinal shortening after total en bloc spondylectomy: a biomechanical study in the thoracic spine. <i>Journal of Spinal Disorders and Techniques</i> , 2012 , 25, E183-90		12
105	Vertebral body osteonecrosis without vertebral collapse. <i>Spine</i> , 2003 , 28, E323-8	3.3	12
104	Surgical outcomes of spinal fusion for osteoporotic thoracolumbar vertebral fractures in patients with Parkinson's disease: what is the impact of Parkinson's disease on surgical outcome?. <i>BMC Musculoskeletal Disorders</i> , 2019 , 20, 103	2.8	11
103	Recapping T-saw laminocostotransversoplasty for ventral meningiomas in the thoracic region. <i>Journal of Orthopaedic Science</i> , 2009 , 14, 548-55	1.6	11
102	Outcomes of Surgery for Thoracic Myelopathy Owing to Thoracic Ossification of The Ligamentum Flavum in a Nationwide Multicenter Prospectively Collected Study in 223 Patients: Is Instrumented Fusion Necessary?. <i>Spine</i> , 2020 , 45, E170-E178	3.3	11
101	Surgical Treatment for Cervical Diffuse Idiopathic Skeletal Hyperostosis as a Cause of Dysphagia. <i>Spine Surgery and Related Research</i> , 2018 , 2, 197-201	1.7	11
100	Indication for anterior spinal cord decompression via a posterolateral approach for the treatment of ossification of the posterior longitudinal ligament in the thoracic spine: a prospective cohort study. <i>European Spine Journal</i> , 2020 , 29, 113-121	2.7	10
99	Anterolateral ligament reconstruction as an augmented procedure for double-bundle anterior cruciate ligament reconstruction restores rotational stability: Quantitative evaluation of the pivot shift test using an inertial sensor. <i>Knee</i> , 2020 , 27, 397-405	2.6	9
98	Risk factors of instrumentation failure after multilevel total en bloc spondylectomy. <i>Spine Surgery and Related Research</i> , 2017 , 1, 31-39	1.7	9
97	Effects of Radiation on Spinal Dura Mater and Surrounding Tissue in Mice. <i>PLoS ONE</i> , 2015 , 10, e0133806	3.7	9
96	Surgical outcomes of spinal fusion for osteoporotic vertebral fracture in the thoracolumbar spine: Comprehensive evaluations of 5 typical surgical fusion techniques. <i>Journal of Orthopaedic Science</i> , 2019 , 24, 1020-1026	1.6	8
95	Utility of bone SPECT/CT to identify the primary cause of pain in elderly patients with degenerative lumbar spine disease. <i>Journal of Orthopaedic Surgery and Research</i> , 2019 , 14, 185	2.8	8
94	Differences in Gait Characteristics of Patients with Lumbar Spinal Canal Stenosis (L4 Radiculopathy) and Those with Osteoarthritis of the Hip. <i>PLoS ONE</i> , 2015 , 10, e0124745	3.7	8
93	Innovative exercise device for the abdominal trunk muscles: An early validation study. <i>PLoS ONE</i> , 2017 , 12, e0172934	3.7	8
92	Patient and family satisfaction with en bloc total resection as a treatment for solitary spinal metastasis. <i>Orthopedics</i> , 2013 , 36, e1424-30	1.5	8
91	Kidney and Thyroid Cancer-Specific Treatment Algorithm for Spinal Metastases: A Validation Study. <i>World Neurosurgery</i> , 2019 , 122, e1305-e1311	2.1	8
90	Incidental durotomy during total en bloc spondylectomy. <i>Spine Journal</i> , 2018 , 18, 381-386	4	8

89	Risk Factors for Proximal Junctional Fracture Following Fusion Surgery for Osteoporotic Vertebral Collapse with Delayed Neurological Deficits: A Retrospective Cohort Study of 403 Patients. <i>Spine Surgery and Related Research</i> , 2019 , 3, 171-177	1.7	7
88	Repeated total en bloc spondylectomy for spinal metastases at different sites in one patient. <i>European Spine Journal</i> , 2015 , 24, 2196-200	2.7	7
87	Perioperative Complications and Prognosis of Curative Surgical Resection for Spinal Metastases in Elderly Patients. <i>World Neurosurgery</i> , 2020 , 137, e144-e151	2.1	7
86	Motor function of the upper-extremity after transection of the second thoracic nerve root during total en bloc spondylectomy. <i>PLoS ONE</i> , 2014 , 9, e109838	3.7	7
85	Vertebral Osteomyelitis Caused by Mycobacterium abscessus Surgically Treated Using Antibacterial Iodine-Supported Instrumentation. <i>Case Reports in Orthopedics</i> , 2014 , 2014, 197061	0.4	7
84	Novel reconstruction technique using a frozen tumor-bearing vertebra from a total en bloc spondylectomy for spinal tumors. <i>Orthopedics</i> , 2013 , 36, 605-7	1.5	7
83	Postoperative Cerebrospinal Fluid Leakage Associated With Total En Bloc Spondylectomy. <i>Orthopedics</i> , 2015 , 38, e561-6	1.5	7
82	Invasiveness Reduction of Recent Total En Bloc Spondylectomy: Assessment of the Learning Curve. <i>Asian Spine Journal</i> , 2016 , 10, 522-7	2.8	7
81	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	1.6	6
80	Outcome of posterior lumbar interbody fusion for L4-L5 degenerative spondylolisthesis. <i>Indian Journal of Orthopaedics</i> , 2015 , 49, 284-8	1.3	6
79	Effect of bisphosphonates or teriparatide on mechanical complications after posterior instrumented fusion for osteoporotic vertebral fracture: a multi-center retrospective study. <i>BMC Musculoskeletal Disorders</i> , 2020 , 21, 420	2.8	6
78	Risk factors for local recurrence after total en bloc spondylectomy for metastatic spinal tumors: A retrospective study. <i>Journal of Orthopaedic Science</i> , 2018 , 23, 459-463	1.6	6
77	Mechanical Therapeutic Effects in Osteoporotic L1-Vertebrae Evaluated by Nonlinear Patient-specific Finite Element Analysis. <i>Journal of Biomechanical Science and Engineering</i> , 2010 , 5, 499-514	0.8	6
76	Perioperative complications and prognosis for elderly patients with spinal metastases treated by surgical strategy. <i>Orthopedics</i> , 2010 , 33,	1.5	6
75	Disappearance of lung adenocarcinoma after total en bloc spondylectomy using frozen tumor-bearing vertebra for reconstruction. <i>European Spine Journal</i> , 2016 , 25 Suppl 1, 53-7	2.7	5
74	Cost-effectiveness analysis of the pharmacological management of chronic low back pain with four leading drugs. <i>Journal of Orthopaedic Science</i> , 2019 , 24, 805-811	1.6	5
73	Successful Total En Bloc Spondylectomy of T7 Vertebra for Hepatocellular Carcinoma Metastasis After Living Donor Liver Transplantation. <i>Spine</i> , 2015 , 40, E944-7	3.3	5
72	Revision surgery for instrumentation failure after total en bloc spondylectomy: a retrospective case series. <i>BMC Musculoskeletal Disorders</i> , 2020 , 21, 591	2.8	5

71	En Bloc Resection and Reconstruction Using a Frozen Tumor-Bearing Bone for Metastases of the Spine and Cranium from Retroperitoneal Paraganglioma. <i>World Neurosurgery</i> , 2016 , 90, 698.e1-698.e5	2.1	4
70	Successful treatment of a diffuse type tenosynovial giant cell tumor in the thoracic spine mimicking spinal metastasis by frozen recapping laminoplasty in a patient with thyroid cancer. <i>European Spine Journal</i> , 2018 , 27, 526-532	2.7	4
69	Reliability of the muscle strength measurement and effects of the strengthening by an innovative exercise device for the abdominal trunk muscles. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2020 , 33, 677-684	1.4	4
68	Reconstruction using a frozen tumor-bearing vertebra in total en bloc spondylectomy can enhance antitumor immunity. <i>European Spine Journal</i> , 2014 , 23 Suppl 2, 222-7	2.7	4
67	Patient-Specific Finite Element Analyses Detect Significant Mechanical Therapeutic Effects on Osteoporotic Vertebrae During a Three-Year Treatment. <i>Journal of Biomechanical Science and Engineering</i> , 2011 , 6, 248-261	0.8	4
66	Invasive features of spinal osteosarcoma obtained from whole-mount sections of total en bloc spondylectomy. <i>Journal of Orthopaedic Science</i> , 2007 , 12, 311-5	1.6	4
65	The Surgical Outcomes of Spinal Fusion for Osteoporotic Vertebral Fractures in the Lower Lumbar Spine with a Neurological Deficit. <i>Spine Surgery and Related Research</i> , 2020 , 4, 199-207	1.7	4
64	Four-Year Survival of a Patient With Spinal Metastatic Acinic Cell Carcinoma After a Total En Bloc Spondylectomy and Reconstruction With a Frozen Tumor-Bearing Bone Graft. <i>Orthopedics</i> , 2018 , 41, e727-e730	1.5	4
63	Delayed-Onset Paraplegia Due to Spinal Cord Infarction After Repeated Tumor Excision Surgeries of the Thoracic Spine. <i>Orthopedics</i> , 2019 , 42, e131-e134	1.5	4
62	Perioperative complications of total en bloc spondylectomy for spinal tumours. <i>Bone and Joint Journal</i> , 2021 , 103-B, 976-983	5.6	4
61	En bloc corpectomy for late gastrointestinal stromal tumor metastasis: a case report and review of the literature. <i>Journal of Medical Case Reports</i> , 2018 , 12, 300	1.2	4
60	Clinical outcomes and survivals after total en bloc spondylectomy for metastatic leiomyosarcoma in the spine. <i>European Spine Journal</i> , 2020 , 29, 3237-3244	2.7	3
59	A Biomechanical Study on Laminectomy and Dekyphosis for Thoracic Ossification of the Posterior Longitudinal Ligament. <i>Advances in Mechanical Engineering</i> , 2013 , 5, 928071	1.2	3
58	A histological examination of spinal reconstruction using a frozen bone autograft. <i>PLoS ONE</i> , 2018 , 13, e0191679	3.7	3
57	Microendoscopic Excision of Osteoid Osteoma in the Pedicle of the Third Lumbar Vertebra. <i>Asian Spine Journal</i> , 2015 , 9, 958-61	2.8	3
56	Surgical Metastasectomy in the Spine: A Review Article. <i>Oncologist</i> , 2021 , 26, e1833-e1843	5.7	3
55	Lung metastases regression with increased CD8+ T lymphocyte infiltration following preoperative spinal embolization and total en bloc spondylectomy using tumor-bearing frozen autograft in a patient with spinal metastatic leiomyosarcoma. <i>European Spine Journal</i> , 2019 , 28, 41-50	2.7	3
54	Morphologic Changes After Denosumab Therapy in Patients with Giant Cell Tumor of the Spine: Report of Four Cases and a Review of the Literature. <i>World Neurosurgery</i> , 2019 , 127, 38-46	2.1	2

53	More Than 10-year Follow-up After Laminoplasty and Pedicle Screw Fixation for Cervical Myelopathy Associated With Athetoid Cerebral Palsy. <i>Spine</i> , 2020 , 45, 727-734	3.3	2
52	Impact of Consultation Length on Satisfaction in Patients with Chronic Low Back Pain: A Nationwide Multicenter Study in Japan. <i>Spine Surgery and Related Research</i> , 2020 , 4, 208-215	1.7	2
51	Risk factors for poor outcomes of early rehabilitation after total en bloc spondylectomy: a retrospective chart review of 140 patients. <i>Spinal Cord</i> , 2020 , 58, 900-907	2.7	2
50	Risk factors of cervical surgery related complications in patients older than 80 years. <i>Spine Surgery and Related Research</i> , 2017 , 1, 179-184	1.7	2
49	Iatrogenic Lumbar Vertebral Fracture during Osteosynthesis for a Trochanteric Fracture of the Femur in Diffuse Idiopathic Skeletal Hyperostosis. <i>Asian Spine Journal</i> , 2015 , 9, 803-6	2.8	2
48	Short- versus long-segment posterior spinal fusion with vertebroplasty for osteoporotic vertebral collapse with neurological impairment in thoracolumbar spine: a multicenter study. <i>BMC Musculoskeletal Disorders</i> , 2020 , 21, 513	2.8	2
47	The efficacy of surgical treatment on locomotive syndrome and physical function in patients with lumbar spinal canal stenosis. <i>Journal of Orthopaedic Science</i> , 2021 , 26, 327-331	1.6	2
46	Reconstruction using frozen tumour-bearing vertebra en bloc after total spondylectomy. <i>Journal of Orthopaedic Science</i> , 2017 , 22, 156-159	1.6	1
45	Fluoroscopy-assisted posterior percutaneous reduction for the management of unilateral cervical facet dislocations after unsuccessful closed reduction: A case report. <i>International Journal of Surgery Case Reports</i> , 2019 , 58, 212-215	0.8	1
44	Efficacy of vertebral cryoablation and immunotherapy in a patient with metastatic renal cell carcinoma: a case report. <i>Journal of Medical Case Reports</i> , 2019 , 13, 96	1.2	1
43	Spontaneous derotation of compensatory lumbar curve after thoracic fusion in adolescent idiopathic scoliosis. <i>Spine Surgery and Related Research</i> , 2017 , 1, 27-30	1.7	1
42	Nonlinear mechanical analysis of posterior spinal instrumentation for osteoporotic vertebra: Effects of mechanical properties of the rod on the failure risks around the screw. <i>Journal of Biomechanical Science and Engineering</i> , 2014 , 9, 13-00163-13-00163	0.8	1
41	Spinal Metastasis from Subcutaneous Sacrococcygeal Ependymoma: A Case Report with Long-Term Follow-Up. <i>The Surgery Journal</i> , 2015 , 1, e50-e53	0.9	1
40	Reply to the Editor: Surgical Treatment of Osteoporotic Vertebral Fracture with Neurological Deficit-A Nationwide Multicenter Study in Japan. <i>Spine Surgery and Related Research</i> , 2020 , 4, 292-293	1.7	1
39	Implantation of Liquid Nitrogen Frozen Tumor Tissue after Posterior Decompression and Stabilization for Metastatic Spinal Tumors. <i>Asian Spine Journal</i> , 2015 , 9, 869-75	2.8	1
38	Radiation Disrupts the Protective Function of the Spinal Meninges in a Mouse Model of Tumor-induced Spinal Cord Compression. <i>Clinical Orthopaedics and Related Research</i> , 2021 , 479, 163-176 ^{2.2}	2.2	1
37	Radical surgery consisting of en bloc corpectomy in recurrence after palliative surgery for spinal metastasis. <i>Spine Surgery and Related Research</i> , 2017 , 1, 96-99	1.7	1
36	Long-Term Outcomes of Excision Surgery for Aggressive Vertebral Hemangiomas. <i>World Neurosurgery</i> , 2020 , 142, e474-e480	2.1	1

35	Segmental Arteries and Veins at Higher Lumbar Levels Can Intersect the Adjacent Caudal Intervertebral Disc in the Anterior Part of the Spinal Column: A Cadaveric Analysis. <i>Asian Spine Journal</i> , 2021 ,	2.8	1
34	Motor and Sensory Impairments of the Lower Extremities After L2 Nerve Root Transection During Total en Bloc Spondylectomy. <i>Spine</i> , 2019 , 44, 1129-1136	3.3	1
33	Surgical Technique of Vertebral Body Removal and Anterior Reconstruction in L5 Spondylectomy. <i>Spine Surgery and Related Research</i> , 2018 , 2, 236-242	1.7	1
32	The Large Individual Differences in the Range of Hip Joint Motion Rather Than Lumbar Spine Motion Affect Dynamic Spinopelvic Rhythm. <i>Spine Surgery and Related Research</i> , 2019 , 3, 255-260	1.7	0
31	Risk Factor for Poor Patient Satisfaction After Lumbar Spine Surgery in Elderly Patients Aged Over 80 years. <i>Clinical Spine Surgery</i> , 2021 , 34, E223-E228	1.8	0
30	Volar RIM Plate Rarely Causes Flexor Tendon Complications in a Short Period Despite Its Plate Prominence over the Watershed Line: A Descriptive Study. <i>Journal of Hand Surgery Asian-Pacific Volume, The</i> , 2021 , 26, 194-206	0.5	0
29	Myelolipoma mimicking osteosarcoma in the distal femur. <i>International Journal of Surgery Case Reports</i> , 2021 , 83, 105997	0.8	0
28	Comparison of the Effectiveness of Pharmacological Treatments for Patients with Chronic Low Back Pain: A Nationwide, Multicenter Study in Japan. <i>Spine Surgery and Related Research</i> , 2021 , 5, 252-263 ¹⁷	1.7	0
27	Posterior curve correction using convex posterior hemi-interbody arthrodesis in skeletally immature patients with scoliosis. <i>Spine Journal</i> , 2016 , 16, 1152-6	4	0
26	Different patterns of pneumothorax in patients with soft tissue tumors treated with pazopanib: A case series analysis. <i>PLoS ONE</i> , 2021 , 16, e0254866	3.7	0
25	Total en bloc spondylectomy is worth doing in complete paralysis spinal giant cell tumor, a minimum 1-year follow-up. <i>Journal of Orthopaedic Surgery</i> , 2021 , 29, 23094990211005900	1.4	0
24	Total En Bloc Spondylectomy for Spinal Metastases 2006 , 215-223		
23	Mechanical Evaluation of Reconstructed Structures after Total Sacrectomy and Their Improvement. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , 2001 , 44, 1051-1058		
22	Contribution of Material Mechanics for Medical Treatment of Cancer. <i>Proceedings of the 1992 Annual Meeting of JSME/MMD</i> , 2003 , 2003, 11-12		
21	B15 A Study of Osteoporosis Therapeutic Effect on Vertebral Bone by Compressive Fracture Analysis. <i>The Proceedings of Joint Symposium Symposium on Sports Engineering Symposium on Human Dynamics</i> , 2006 , 2006, 251-256		
20	B16 Computation of Lumbar Vertebral Load By Using Thoracolumbar Musculoskeletal Model. <i>The Proceedings of Joint Symposium Symposium on Sports Engineering Symposium on Human Dynamics</i> , 2006 , 2006, 257-262		
19	916 A Study of Osteoporosis Therapeutic Effect on Vertebral Bone by Compressive Fracture Analysis. <i>The Proceedings of Conference of Hokuriku-Shinetsu Branch</i> , 2007 , 2007.44, 359-360	0	
18	Establishment of Experimental Method to Evaluate Mechanical Properties of Rod to Suppress Looseness Spinal Fusion. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , 2018 , 2018.30, 1B04	0	

17	Evaluation of loosening risks of the screws in spinal fusion based on large-scale finite element analyses of T1-S2 multi-segmental spine model. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2018, 2018.30, 1B01</i>	0
16	Evaluation of Microfracture of Bone Under Flexion and Rotation Load on Spine Using Finite Element Analysis. <i>The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2018, 2018.29, 2B25</i>	0
15	Modeling of the Dynamic Stabilization Rod with Allowance of a Small Displacement and Rotation for Spinal Fusion to Assess the Loosening Risks of the Screw. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2018, 2018.30, 2C16</i>	0
14	Total en bloc spondylectomy enhancing antitumor immunity for spine tumors.. <i>Journal of Clinical Oncology, 2014, 32, e13036-e13036</i>	2.2
13	Survival and prognostic factors of patients who underwent total en bloc resection of spinal metastasis from renal cell carcinoma.. <i>Journal of Clinical Oncology, 2014, 32, e15548-e15548</i>	2.2
12	More than 10-year follow-up after total en bloc spondylectomy for spinal tumors.. <i>Journal of Clinical Oncology, 2014, 32, e21503-e21503</i>	2.2
11	Invasiveness reduction of recent total en bloc spondylectomy.. <i>Journal of Clinical Oncology, 2014, 32, e13037-e13037</i>	2.2
10	Bone remodeling simulation around the screw in spinal posterior instrumentation using a dynamic stabilization rod. <i>The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2016, 2016.27, C107</i>	0
9	Relationship between changes in mechanical properties of cancellous bone by adaptive remodeling and loosening of a screw for spine. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2017, 2017.29, 1F22</i>	0
8	Experimental evaluation of mechanical properties of a new type rod to suppress loosening of screw in spinal fusion. <i>The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2017, 2017.28, 1C12</i>	0
7	Assessment of the Relationship Between the Number of Screws and Loosening Risks in Spinal Fusion Based on Multi-segment Spine Model. <i>The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2017, 2017.28, 1C13</i>	0
6	1911 A Study on Mechanical Influence of Posture Change due to Vertebral Compression Fracture on Adjacent Vertebrae by Using Musculoskeletal Model. <i>The Proceedings of the Computational Mechanics Conference, 2009, 2009.22, 784-785</i>	0
5	0325 The mechanical effect that kyphotic deformity with prior vertebral fracture gives to other vertebra. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2010, 2009.22, 230</i>	0
4	B220 Change in Stress Distribution in Vertebrae due to Change in Stiffness of the Screw and Rods for Spinal Fusion of Spine. <i>The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2012, 2012.23, 163-164</i>	0
3	B213 Nonlinear Fracture Analysis of Posterior Spinal Instrumentation for Osteoporotic Vertebra : (Effects of the Change in Stiffness of the Rod on Distribution of Microfracture around the Screw). <i>The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2013, 2013.24, 129-130</i>	0
2	The most appropriate titanium mesh cage size for anterior spinal reconstruction after single-level lumbar total en bloc spondylectomy: a finite element analysis and cadaveric validation study. <i>Journal of Orthopaedic Surgery and Research, 2021, 16, 178</i>	2.8
1	Safety and Neurologic Recovery of L2 Nerve Root Sacrificed in Total En Bloc Spondylectomy Involving the L2 Vertebra.. <i>International Journal of Spine Surgery, 2021, 15, 1205-1210</i>	1.4