

Bong-Soon Chang

List of Publications by Year in descending order

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135
papers

3,599
citations

159585

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136
docs citations

136
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3854
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Handgrip Strength and Paraspinal Musclesâ€™ Volume on Clinical Outcomes in the Patients With Each Sagittal Imbalance and Lumbar Spinal Stenosis. <i>Global Spine Journal</i> , 2023, 13, 609-616.	2.3	4
2	Pearls and Pitfalls of Oblique Lateral Interbody Fusion: A Comprehensive Narrative Review. <i>Neurospine</i> , 2022, 19, 163-176.	2.9	26
3	Risk factors for postoperative ileus after oblique lateral interbody fusion: a multivariate analysis. <i>Spine Journal</i> , 2021, 21, 438-445.	1.3	17
4	Treatment for Gorham-Stout Disease Involving the Spinal Column: A Narrative Review. <i>Journal of Korean Society of Spine Surgery</i> , 2021, 28, 55.	0.0	0
5	The Effect of Adding Biological Factors to the Decision-Making Process for Spinal Metastasis of Non-Small Cell Lung Cancer. <i>Journal of Clinical Medicine</i> , 2021, 10, 1119.	2.4	5
6	Clinical outcomes of selective fusion for the thoracolumbar-lumbar curve in patients with Lenke type 6C adolescent idiopathic scoliosis: a preliminary study. <i>Journal of Pediatric Orthopaedics Part B</i> , 2021, 30, 211-217.	0.6	1
7	Can Indirect Decompression Reduce Adjacent Segment Degeneration and the Associated Reoperation Rate After Lumbar Interbody Fusion? A Systemic Review and Meta-analysis. <i>World Neurosurgery</i> , 2021, 153, e435-e445.	1.3	5
8	The Fate of Lumbar Facet Cyst After Indirect Decompression Using Oblique Lateral Interbody Fusion in Degenerative Spondylolisthesis. <i>Orthopedics</i> , 2021, 44, 306-312.	1.1	3
9	Sagittal Alignment in Patients with Thoracic Myelopathy Caused by the Ossification of the Ligamentum Flavum. <i>Spine</i> , 2021, 46, 300-306.	2.0	8
10	Surgical Causes of Significant Intraoperative Neuromonitoring Signal Changes in Three-Column Spinal Surgery. <i>Asian Spine Journal</i> , 2021, 15, 831-839.	2.0	2
11	Sleep Disturbance in Patients With Lumbar Spinal Stenosis. <i>Clinical Spine Surgery</i> , 2020, 33, E185-E190.	1.3	8
12	A Long-Term Follow-up, Multicenter, Comparative Study of the Radiologic, and Clinical Results Between a CaO-SiO ₂ -P ₂ O ₅ -B ₂ O ₃ Bioactive Glass Ceramics (BGS-7) Intervertebral Spacer and Titanium Cage in 1-Level Posterior Lumbar Interbody Fusion. <i>Clinical Spine Surgery</i> , 2020, 33, E322-E329.	1.3	9
13	Definitions of unfavorable surgical outcomes and their risk factors based on disability score after spine surgery for lumbar spinal stenosis. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 288.	1.9	7
14	Clinical Significance of Improved Intraoperative Neurophysiological Monitoring Signal during Spine Surgery: A Retrospective Study of a Single-Institution Prospective Cohort. <i>Asian Spine Journal</i> , 2020, 14, 79-87.	2.0	13
15	Treatment Strategy for Metastatic Spinal Tumors: A Narrative Review. <i>Asian Spine Journal</i> , 2020, 14, 513-525.	2.0	25
16	Clinical Significance of Radiologic Improvement Following Single-Level Oblique Lateral Interbody Fusion With Percutaneous Pedicle Screw Fixation. <i>Orthopedics</i> , 2020, 43, e283-e290.	1.1	8
17	Treatment Strategy for Impending Instability in Spinal Metastases. <i>Clinics in Orthopedic Surgery</i> , 2020, 12, 337.	2.2	8
18	Volumetric Assessment of Fusion Mass and Its Clinical Correlations in Posterior Lumbar Interbody Fusion Depending on the Type of Bone Graft. <i>Journal of Korean Society of Spine Surgery</i> , 2020, 27, 39.	0.0	0

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19	Medical Care Utilization Behavior for the Diagnosis and Treatment of Spine Disease: A Questionnaire-based Study of Orthopaedic Spine Center Outpatients at a Tertiary Educational Hospital. <i>Journal of Korean Society of Spine Surgery</i> , 2020, 27, 19.	0.0	0
20	Remaining Systemic Treatment Options: A Valuable Predictor of Survival and Functional Outcomes after Surgical Treatment for Spinal Metastasis. <i>Orthopaedic Surgery</i> , 2019, 11, 552-559.	1.8	8
21	Rod fracture and related factors after total en bloc spondylectomy. <i>Spine Journal</i> , 2019, 19, 1613-1619.	1.3	35
22	Restoration of the Spinous Process Following Muscle-Preserving Posterior Lumbar Decompression via Sagittal Splitting of the Spinous Process. <i>Clinics in Orthopedic Surgery</i> , 2019, 11, 95.	2.2	5
23	Impact of Preoperative Diagnosis on Clinical Outcomes of Oblique Lateral Interbody Fusion for Lumbar Degenerative Disease in a Single Institution Prospective Cohort. <i>Orthopaedic Surgery</i> , 2019, 11, 66-74.	1.8	15
24	The prevalence and impact of frailty in patients with symptomatic lumbar spinal stenosis. <i>European Spine Journal</i> , 2019, 28, 46-54.	2.2	18
25	Clinical Significance of Resection Type and Margin following Surgical Treatment for Primary Sarcoma of the Spine: A Multi-Center Retrospective Study. <i>Journal of Korean Society of Spine Surgery</i> , 2019, 26, 117.	0.0	0
26	Is Redo Vertebroplasty an Effective Treatment on the Same Vertebra?. <i>CardioVascular and Interventional Radiology</i> , 2018, 41, 1058-1066.	2.0	1
27	The influence of hand grip strength on surgical outcomes after surgery for degenerative lumbar spinal stenosis: a preliminary result. <i>Spine Journal</i> , 2018, 18, 2018-2024.	1.3	19
28	Morphological changes of vertebral compression fracture with intra-vertebral cleft treated with percutaneous vertebroplasty. <i>Journal of Orthopaedic Science</i> , 2018, 23, 237-247.	1.1	5
29	Change in pain catastrophizing in patients with lumbar spinal surgery. <i>Spine Journal</i> , 2018, 18, 115-121.	1.3	26
30	Validation and cross-cultural adaptation of the Korean version of the Core Outcome Measures Index in patients with degenerative lumbar disease. <i>European Spine Journal</i> , 2018, 27, 2804-2813.	2.2	10
31	Prevalence of Frailty in Patients with Osteoporotic Vertebral Compression Fracture and Its Association with Numbers of Fractures. <i>Yonsei Medical Journal</i> , 2018, 59, 317.	2.2	32
32	How Many Screws Are Necessary to Be Considered an Experienced Surgeon for Freehand Placement of Thoracolumbar Pedicle Screws?: Analysis Using the Cumulative Summation Test for Learning Curve. <i>World Neurosurgery</i> , 2018, 118, e550-e556.	1.3	18
33	Radiographic and Clinical Outcomes of Robot-Assisted Posterior Pedicle Screw Fixation: Two-Year Results from a Randomized Controlled Trial. <i>Yonsei Medical Journal</i> , 2018, 59, 438.	2.2	40
34	The Spinal Instability Neoplastic Score (SINS) as a Surgical Decision-Making Tool for the Treatment of Spine Metastasis. <i>Journal of Korean Society of Spine Surgery</i> , 2018, 25, 60.	0.0	1
35	Prognosis of Single Spinal Metastatic Tumors: Predictive Value of the Spinal Instability Neoplastic Score System for Spinal Adverse Events. <i>Asian Spine Journal</i> , 2018, 12, 919-926.	2.0	15
36	Geriatric risk in the surgical management of infectious spondylitis. <i>Geriatrics and Gerontology International</i> , 2017, 17, 984-990.	1.5	3

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37	Biomechanical analysis of lumbar decompression surgery in relation to degenerative changes in the lumbar spine – Validated finite element analysis. <i>Computers in Biology and Medicine</i> , 2017, 89, 512-519.	7.0	19
38	Comparative study of the efficacy of transdermal buprenorphine patches and prolonged-release tramadol tablets for postoperative pain control after spinal fusion surgery: a prospective, randomized controlled non-inferiority trial. <i>European Spine Journal</i> , 2017, 26, 2961-2968.	2.2	21
39	The significance of frailty in the relationship between socioeconomic status and health-related quality of life in the Korean community-dwelling elderly population: mediation analysis with bootstrapping. <i>Quality of Life Research</i> , 2017, 26, 3323-3330.	3.1	27
40	Efficacy of Escherichia coli -derived recombinant human bone morphogenetic protein-2 in posterolateral lumbar fusion: an open, active-controlled, randomized, multicenter trial. <i>Spine Journal</i> , 2017, 17, 1866-1874.	1.3	35
41	A prospective, randomized, controlled trial of robot-assisted vs freehand pedicle screw fixation in spine surgery. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2017, 13, e1779.	2.3	168
42	Biomechanical advantages of robot-assisted pedicle screw fixation in posterior lumbar interbody fusion compared with freehand technique in a prospective randomized controlled trial – perspective for patient-specific finite element analysis. <i>Spine Journal</i> , 2017, 17, 671-680.	1.3	31
43	Prevalence of Neuropathic Pain and Patient-Reported Outcomes in Korean Adults with Chronic Low Back Pain Resulting from Neuropathic Low Back Pain. <i>Asian Spine Journal</i> , 2017, 11, 917-927.	2.0	5
44	Validation of the Korean Version of the DN4 Diagnostic Questionnaire for Neuropathic Pain in Patients with Lumbar or Lumbar-Radicular Pain. <i>Yonsei Medical Journal</i> , 2016, 57, 449.	2.2	22
45	Comparison of fusion rate and clinical results between CaO-SiO ₂ -P ₂ O ₅ -B ₂ O ₃ bioactive glass ceramics spacer with titanium cages in posterior lumbar interbody fusion. <i>Spine Journal</i> , 2016, 16, 1367-1376.	1.3	32
46	Contribution of catastrophizing to disability and pain intensity after osteoporotic vertebral compression fracture. <i>Journal of Orthopaedic Science</i> , 2016, 21, 299-305.	1.1	5
47	Considerations for Surgical Treatment of Osteoporotic Spinal Fracture: Surgical Indication, Approach, Fixation, and Graft Material. <i>Journal of Korean Society of Spine Surgery</i> , 2016, 23, 41.	0.0	4
48	Determination of the Optimal Cutoff Values for Pain Sensitivity Questionnaire Scores and the Oswestry Disability Index for Favorable Surgical Outcomes in Subjects With Lumbar Spinal Stenosis. <i>Spine</i> , 2015, 40, E1110-E1116.	2.0	13
49	Distraction Arthrodesis of the C1–C2 Facet Joint with Preservation of the C2 Root for the Management of Intractable Occipital Neuralgia Caused by C2 Root Compression. <i>Spine</i> , 2015, 40, E1093-E1102.	2.0	11
50	The influence of facet joint orientation and tropism on the stress at the adjacent segment after lumbar fusion surgery: a biomechanical analysis. <i>Spine Journal</i> , 2015, 15, 1841-1847.	1.3	50
51	The significance of pain catastrophizing in clinical manifestations of patients with lumbar spinal stenosis: mediation analysis with bootstrapping. <i>Spine Journal</i> , 2015, 15, 238-246.	1.3	29
52	The influence of intrinsic disc degeneration of the adjacent segments on its stress distribution after one-level lumbar fusion. <i>European Spine Journal</i> , 2015, 24, 827-837.	2.2	53
53	Monitoring the Quality of Robot-Assisted Pedicle Screw Fixation in the Lumbar Spine by Using a Cumulative Summation Test. <i>Spine</i> , 2015, 40, 87-94.	2.0	84
54	Influence of Pain Sensitivity on Surgical Outcomes After Lumbar Spine Surgery in Patients With Lumbar Spinal Stenosis. <i>Spine</i> , 2015, 40, 193-200.	2.0	38

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55	Indirect effects of decompression surgery on glycemic homeostasis in patients with Type 2 diabetes mellitus and lumbar spinal stenosis. <i>Spine Journal</i> , 2015, 15, 25-33.	1.3	12
56	Finite Element Analysis for Comparison of Spinous Process Osteotomies Technique with Conventional Laminectomy as Lumbar Decompression Procedure. <i>Yonsei Medical Journal</i> , 2015, 56, 146.	2.2	13
57	Biomechanical Analysis of Fusion Segment Rigidity Upon Stress at Both the Fusion and Adjacent Segments: A Comparison between Unilateral and Bilateral Pedicle Screw Fixation. <i>Yonsei Medical Journal</i> , 2014, 55, 1386.	2.2	43
58	Clinical and Radiological Predictive Factors to be Related with the Degree of Lumbar Back Muscle Degeneration: Difference by Gender. <i>Clinics in Orthopedic Surgery</i> , 2014, 6, 318.	2.2	15
59	Negative Effect of Rapidly Resorbing Properties of Bioactive Glass-Ceramics as Bone Graft Substitute in a Rabbit Lumbar Fusion Model. <i>Clinics in Orthopedic Surgery</i> , 2014, 6, 87.	2.2	18
60	The Effect of Poloxamer 407-Based Hydrogel on the Osteoinductivity of Demineralized Bone Matrix. <i>Clinics in Orthopedic Surgery</i> , 2014, 6, 455.	2.2	15
61	Infectious Spondylitis Mimicking Osteoporotic Vertebral Compression Fractures: Report of Two Cases. <i>Journal of Korean Society of Spine Surgery</i> , 2014, 21, 123.	0.0	0
62	Indirect decompression for a prior severe C1–2 dislocation causing progressive quadriplegia. <i>Journal of Neurosurgery: Spine</i> , 2014, 20, 709-713.	1.7	1
63	Posterolateral lumbar fusion using <i>Escherichia coli</i> -derived rhBMP-2/hydroxyapatite in the mini pig. <i>Spine Journal</i> , 2014, 14, 2959-2967.	1.3	17
64	Prediction of Postoperative Pain Intensity after Lumbar Spinal Surgery Using Pain Sensitivity and Preoperative Back Pain Severity. <i>Pain Medicine</i> , 2014, 15, 2037-2045.	1.9	34
65	Translation, Cross-Cultural Adaptation, and Validity of the Korean Version of the Pain Sensitivity Questionnaire in Chronic Pain Patients. <i>Pain Practice</i> , 2014, 14, 745-751.	1.9	30
66	Influence of Educational Attainment on Pain Intensity and Disability in Patients With Lumbar Spinal Stenosis. <i>Spine</i> , 2014, 39, E637-E644.	2.0	27
67	Acute Intravenous Injection Toxicity Study of <i>Escherichia coli</i> -Derived Recombinant Human Bone Morphogenetic Protein-2 in Rat. <i>Asian Spine Journal</i> , 2014, 8, 113.	2.0	9
68	Total Uncinectomy Revisited: Revision Surgery for Persistent Radiculopathy Following Anterior Cervical Discectomy and Fusion (ACDF). <i>The Journal of the Korean Orthopaedic Association</i> , 2014, 49, 394.	0.1	0
69	Asymmetry of the cross-sectional area of paravertebral and psoas muscle in patients with degenerative scoliosis. <i>European Spine Journal</i> , 2013, 22, 1332-1338.	2.2	74
70	Fluoroscopically guided anterior atlantoaxial transarticular screws: a feasibility and trajectory study using CT-based simulation software. <i>Spine Journal</i> , 2013, 13, 1455-1463.	1.3	8
71	The biomechanical influence of the facet joint orientation and the facet tropism in the lumbar spine. <i>Spine Journal</i> , 2013, 13, 1301-1308.	1.3	92
72	Postoperative occipital neuralgia with and without C2 nerve root transection during atlantoaxial screw fixation: a post-hoc comparative outcome study of prospectively collected data. <i>Spine Journal</i> , 2013, 13, 786-795.	1.3	33

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73	Risk of vertebral artery injury: comparison between C1–C2 transarticular and C2 pedicle screws. <i>Spine Journal</i> , 2013, 13, 775-785.	1.3	111
74	A new technique for reduction of atlantoaxial subluxation using a simple tool during posterior segmental screw fixation. <i>Journal of Neurosurgery: Spine</i> , 2013, 19, 160-166.	1.7	25
75	Feasibility of Laminar Screw Placement in the Upper Thoracic Spine. <i>Spine</i> , 2013, 38, 1146-1153.	2.0	6
76	Finite Element Modeling of Stress Distribution in Intervertebral Spacers of Different Surface Geometries. <i>Artificial Organs</i> , 2013, 37, 1014-1020.	1.9	6
77	Association of Benign Joint Hypermobility With Spinal Segmental Motion and Its Clinical Implication in Active Young Males. <i>Spine</i> , 2013, 38, E1013-E1019.	2.0	24
78	Usefulness of Prone Cross-Table Lateral Radiographs in Vertebral Compression Fractures. <i>Clinics in Orthopedic Surgery</i> , 2013, 5, 195.	2.2	17
79	The influence of pain sensitivity on the symptom severity in patients with lumbar spinal stenosis. <i>Pain Physician</i> , 2013, 16, 135-44.	0.4	25
80	Gender difference of symptom severity in lumbar spinal stenosis: role of pain sensitivity. <i>Pain Physician</i> , 2013, 16, E715-23.	0.4	22
81	Optimal Trajectory for the Occipital Condylar Screw. <i>Spine</i> , 2012, 37, 385-392.	2.0	11
82	Effects of Alendronate on Lumbar Posterolateral Fusion Using Hydroxyapatite in Rabbits. <i>Artificial Organs</i> , 2012, 36, 1047-1055.	1.9	6
83	Comparative study of fusion rate induced by different dosages of <i>Escherichia coli</i> -derived recombinant human bone morphogenetic protein-2 using hydroxyapatite carrier. <i>Spine Journal</i> , 2012, 12, 239-248.	1.3	46
84	Routine insertion of the lateral mass screw via the posterior arch for C1 fixation: feasibility and related complications. <i>Spine Journal</i> , 2012, 12, 476-483.	1.3	81
85	The feasibility of laminar screw placement in the subaxial spine: analysis using 215 three-dimensional computed tomography scans and simulation software. <i>Spine Journal</i> , 2012, 12, 577-584.	1.3	22
86	The efficacy of porous hydroxyapatite bone chip as an extender of local bone graft in posterior lumbar interbody fusion. <i>European Spine Journal</i> , 2012, 21, 1324-1330.	2.2	20
87	Risk of internal carotid artery injury during C1 screw placement: analysis of 160 computed tomography angiograms. <i>Spine Journal</i> , 2011, 11, 316-323.	1.3	25
88	C1 Posterior Arch Screws: Feasibility and Related Complications. <i>Spine Journal</i> , 2011, 11, S121.	1.3	0
89	Subsidence and Nonunion after Anterior Cervical Interbody Fusion Using a Stand-Alone Polyetheretherketone (PEEK) Cage. <i>Clinics in Orthopedic Surgery</i> , 2011, 3, 16.	2.2	154
90	The First Clinical Trial of Beta-Calcium Pyrophosphate as a Novel Bone Graft Extender in Instrumented Posterolateral Lumbar Fusion. <i>Clinics in Orthopedic Surgery</i> , 2011, 3, 238.	2.2	52

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91	Bioactive ceramic coating of cancellous screws improves the osseointegration in the cancellous bone. <i>Journal of Orthopaedic Science</i> , 2011, 16, 291-297.	1.1	35
92	Minimum 5-year follow-up results of skipped pedicle screw fixation for flexible idiopathic scoliosis. <i>Journal of Neurosurgery: Spine</i> , 2011, 15, 146-150.	1.7	54
93	Adjacent Segment Degeneration after Single-Level PLIF: Comparison between Spondylolytic Spondylolisthesis, Degenerative Spondylolisthesis and Spinal Stenosis. <i>Asian Spine Journal</i> , 2011, 5, 82.	2.0	13
94	Optimal Trajectory for the Atlantooccipital Transarticular Screw. <i>Spine</i> , 2010, 35, 1562-1570.	2.0	10
95	Outcome of Spinal Fusion for Lumbar Degenerative Disease. <i>Spine</i> , 2010, 35, 1489-1494.	2.0	26
96	Fusion Rates and Subsidence of Morselized Local Bone Grafted in Titanium Cages in Posterior Lumbar Interbody Fusion Using Quantitative Three-Dimensional Computed Tomography Scans. <i>Spine</i> , 2010, 35, 1460-1465.	2.0	67
97	Spreading epidural hematoma and deep subcutaneous edema: indirect MRI signs of posterior ligamentous complex injury in thoracolumbar burst fractures. <i>Skeletal Radiology</i> , 2010, 39, 767-772.	2.0	6
98	A 90-day intravenous administration toxicity study of CaO-SiO ₂ -P ₂ O ₅ -B ₂ O ₃ glass-ceramics (BGS-7) in rat. <i>Drug and Chemical Toxicology</i> , 2010, 33, 38-47.	2.3	21
99	Adjacent Segment Degeneration after Single-level Posterior Lumbar Interbody Fusion - Comparison between Spondylolytic Spondylolisthesis, Degenerative Spondylolisthesis, and Spinal Stenosis. <i>Spine Journal</i> , 2010, 10, S24-S25.	1.3	0
100	Subsidence and Nonunion after Anterior Cervical Interbody Fusion with Stand-Alone Polyetheretherketone (PEEK) Cage. <i>Spine Journal</i> , 2010, 10, S82-S83.	1.3	1
101	Herniation of Cartilaginous Endplate in Lumbar Spine: MRI Findings. <i>Spine Journal</i> , 2010, 10, S88-S89.	1.3	0
102	Transient Restless Leg Syndrome: A Cause of Leg Pain of Early Postoperative Period after Spinal Surgery. <i>Spine Journal</i> , 2010, 10, S131-S132.	1.3	0
103	Posterior Lumbar Interbody Fusion Using New Hydroxyapatite Block - Comparison with Metal and PEEK Cages -. <i>Journal of Korean Society of Spine Surgery</i> , 2009, 16, 243.	0.3	3
104	Differential Diagnosis between Tuberculous Spondylitis and Pyogenic Spondylitis. <i>Journal of Korean Society of Spine Surgery</i> , 2009, 16, 112.	0.3	6
105	A prospective consecutive study of instrumented posterolateral lumbar fusion using synthetic hydroxyapatite (Bongros®-HA) as a bone graft extender. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 90A, 804-810.	4.0	39
106	Lateral fluoroscopic guide to prevent occipitocervical and atlantoaxial joint violation during C1 lateral mass screw placement. <i>Spine Journal</i> , 2009, 9, 574-579.	1.3	21
107	A 90-day subchronic toxicity study of beta-calcium pyrophosphate in rat. <i>Drug and Chemical Toxicology</i> , 2009, 32, 277-282.	2.3	7
108	Recurrence Rate of Lumbar Disc Herniation After Open Discectomy in Active Young Men. <i>Spine</i> , 2009, 34, 24-29.	2.0	54

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109	Spinopelvic Fixation. Journal of Korean Society of Spine Surgery, 2009, 16, 304.	0.3	2
110	P67. A Lateral Fluoroscopic Guide to Prevent Occipitocervical and Atlantoaxial Joint Violation during C1 Lateral Mass Screw Placement. Spine Journal, 2008, 8, 133S-134S.	1.3	0
111	P177. A Nationwide Outpatient-based Survey of Fusion for Lumbar Degenerative Disease (LDD) in Korea. Spine Journal, 2008, 8, 186S.	1.3	0
112	A minimally invasive technique for L5â€“S1 intraforaminal disc herniations: microdiscectomy with a tubular retractor via a contralateral approach. Journal of Neurosurgery: Spine, 2008, 8, 193-198.	1.7	25
113	Undetected Vertebral Artery Groove and Foramen Violations During C1 Lateral Mass and C2 Pedicle Screw Placement. Spine, 2008, 33, E942-E949.	2.0	73
114	Surgical Treatment of Severe Angular Kyphosis With Myelopathy. Spine, 2008, 33, 1229-1235.	2.0	23
115	42. Undetected Vertebral Foraminal Violations during C1 Lateral Mass and C2 Screw Placement. Spine Journal, 2007, 7, 21S-22S.	1.3	0
116	63. The Subarticular Pedicle Screw: A New Trajectory for the C2 Pedicle Screw. Spine Journal, 2007, 7, 31S.	1.3	0
117	Revision of Atlantoaxial Fusion using Segmental Screw Fixation: Experience in Bilateral Posterior Arch Fracture of the Atlas Complicating Atlantoaxial Halifax Clamp Fixation - A Case Report -. Journal of Korean Society of Spine Surgery, 2007, 14, 187.	0.3	0
118	Scoliosis associated with syringomyelia: analysis of MRI and curve progression. European Spine Journal, 2007, 16, 1629-1635.	2.2	53
119	P33. Result of Intermittent Pedicle Screw Fixation in Surgical Treatment of Flexible Idiopathic Scoliosis. Spine Journal, 2006, 6, 99S-100S.	1.3	0
120	P144. Analysis of the Recurrence Rate of the Lumbar Disc Herniation. Spine Journal, 2006, 6, 153S.	1.3	0
121	In vivo study of novel biodegradable and osteoconductive CaO-SiO ₂ -B ₂ O ₃ glass-ceramics. Journal of Biomedical Materials Research - Part A, 2006, 77A, 362-369.	4.0	32
122	Biomechanical and Histomorphometric Study of the Bone-Screw Interface of Calcium Pyrophosphate Coated Titanium Screws. Key Engineering Materials, 2005, 284-286, 219-222.	0.4	0
123	Biomechanical and histomorphometric study on the boneâ€“screw interface of bioactive ceramic-coated titanium screws. Biomaterials, 2005, 26, 3249-3257.	11.4	49
124	Characterization of Bioactive Glass-Ceramics Prepared by Sintering Mixed Glass Powders of Cerabone® A-W Type Glass/CaO-SiO ₂ -B ₂ O ₃ -P ₂ O ₅ -Na ₂ O Glass. Key Engineering Materials, 2004, 254-256, 147-150.	0.4	1
125	Effect of B ₂ O ₃ on the Sintering Behavior and Phase Transition of Wollastonite Ceramics. Key Engineering Materials, 2004, 254-256, 151-154.	0.4	0
126	Magnesia-doped HA/Î²-TCP ceramics and evaluation of their biocompatibility. Biomaterials, 2004, 25, 393-401.	11.4	155

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127	Novel bioactive and biodegradable glass ceramics with high mechanical strength in the CaO-SiO ₂ -B ₂ O ₃ system. Journal of Biomedical Materials Research Part B, 2004, 68A, 79-89.	3.1	44
128	Evaluation of the biological response of wear debris. Spine Journal, 2004, 4, S239-S244.	1.3	36
129	Porous Beta-Calcium Pyrophosphate as a Bone Graft Substitute in a Canine Bone Defect Model. Key Engineering Materials, 2003, 240-242, 399-402.	0.4	21
130	Characterization of CaO-SiO ₂ -B ₂ O ₃ Glass-Ceramics and Effect of Composition on Bioactivity. Key Engineering Materials, 2003, 240-242, 261-264.	0.4	4
131	Comparison of Osteosyntheses in Various Types of Porous Calcium Phosphate Compounds - An Experimental Study by Posterolateral Fusion of Rabbits' Lumbar Vertebrae. Journal of Korean Society of Spine Surgery, 2001, 8, 455.	0.3	2
132	Correlation between MgO Doping and Sintering Characteristics in Hydroxyapatite/β-Tricalcium Phosphate Composite. Key Engineering Materials, 2001, 218-220, 21-24.	0.4	0
133	Comparison of Osteosyntheses According to Compositions of Porous Calcium Phosphate Graft. Key Engineering Materials, 2001, 218-220, 405-408.	0.4	0
134	Scoliosis Associated with Marfan Syndrome. Journal of Korean Society of Spine Surgery, 2001, 8, 482.	0.3	0
135	Osteoconduction at porous hydroxyapatite with various pore configurations. Biomaterials, 2000, 21, 1291-1298.	11.4	575