

Hak-Sun Kim

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

1,869
citations

257450

24
h-index

302126

39
g-index

114
all docs

114
docs citations

114
times ranked

2177
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Anterior Plate-Screws and Lower Postoperative T1 Slope Affect Cervical Allospacer Failures in Multi-Level ACDF Surgery: Anterior Versus Posterior Fixation. <i>Global Spine Journal</i> , 2023, 13, 89-96. | 2.3 | 6 |
| 2 | Clinical Issues in Indication, Correction, and Outcomes of the Surgery for Neuromuscular Scoliosis: Narrative Review in Pedicle Screw Era. <i>Neurospine</i> , 2022, 19, 177-187. | 2.9 | 3 |
| 3 | Direct Internal Fixation for Unstable Atlas Fractures. <i>Yonsei Medical Journal</i> , 2022, 63, 265. | 2.2 | 1 |
| 4 | Cervical foraminal stenosis as a risk factor for cervical kyphosis following cervical laminoplasty. <i>Spine Journal</i> , 2022, 22, 1271-1280. | 1.3 | 5 |
| 5 | Handgrip Strength Correlated with Falling Risk in Patients with Degenerative Cervical Myelopathy. <i>Journal of Clinical Medicine</i> , 2021, 10, 1980. | 2.4 | 0 |
| 6 | Short Plate with Screw Angle over 20 Degrees Improves the Radiologic Outcome in ACDF: Clinical Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 2034. | 2.4 | 3 |
| 7 | Transient fixation of L4 vertebra preserves lumbar motion and function in Lenke Type 5C and 6C scoliosis. <i>Scientific Reports</i> , 2021, 11, 10192. | 3.3 | 2 |
| 8 | Which Factors Affect the Stress of Intraoperative Orthopedic Surgeons by Using Electroencephalography Signals and Heart Rate Variability?. <i>Sensors</i> , 2021, 21, 4016. | 3.8 | 10 |
| 9 | ACDF With Total En Bloc Resection of Uncinate in Foraminal Stenosis of the Cervical Spine. <i>Clinical Spine Surgery</i> , 2021, 34, E237-E242. | 1.3 | 6 |
| 10 | Comparison of survival analysis between surgical and non-surgical treatments in Duchenne muscular dystrophy scoliosis. <i>Spine Journal</i> , 2020, 20, 1840-1849. | 1.3 | 8 |
| 11 | Lumbar Spinal Stenosis: Pathophysiology and Treatment Principle: A Narrative Review. <i>Asian Spine Journal</i> , 2020, 14, 682-693. | 2.0 | 52 |
| 12 | Prevalence of Gastrointestinal and Cardiovascular Risk in Patients with Degenerative Lumbar Spinal Disease. <i>Clinics in Orthopedic Surgery</i> , 2020, 12, 343. | 2.2 | 6 |
| 13 | Posterior Device Fixation Using Pedicle Screws in Patients with Degenerative Spine Disease: A Prospective, Single-Group, Therapeutic Pilot Study. <i>Journal of Korean Society of Spine Surgery</i> , 2020, 27, 131. | 0.0 | 1 |
| 14 | Assessment of Korea's Orthopedic Research Activities in the Top 15 Orthopedic Journals, 2008-2017. <i>Clinics in Orthopedic Surgery</i> , 2019, 11, 237. | 2.2 | 5 |
| 15 | The Evidence for Nonoperative Treatment of Lumbar Spinal Diseases. <i>Journal of Korean Society of Spine Surgery</i> , 2019, 26, 178. | 0.0 | 1 |
| 16 | Efficacy of computed tomography in prediction of operability of L5/S1 foraminal stenosis using region of interest. <i>Medicine (United States)</i> , 2019, 98, e17422. | 1.0 | 2 |
| 17 | Fistula Formation Between the Disc and Dura after Percutaneous Endoscopic Lumbar Discectomy: A Case Report. <i>Journal of Korean Society of Spine Surgery</i> , 2018, 25, 180. | 0.0 | 0 |
| 18 | Gelatinous Transformation of Bone Marrow Mimicking Malignant Marrow-Replacing Lesion on Magnetic Resonance Imaging in a Patient without Underlying Devastating Disease. <i>Investigative Magnetic Resonance Imaging</i> , 2018, 22, 50. | 0.4 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | What is a Right Distal Fusion Level for Prevention of Sagittal Imbalance in Multilevel Posterior Cervical Spine Surgery: C7 or T1?. <i>Clinical Spine Surgery</i> , 2018, 31, 441-445. | 1.3 | 9 |
| 20 | Results of Magnetically Controlled Growing Rods for Early Onset Scoliosis. <i>The Journal of the Korean Orthopaedic Association</i> , 2018, 53, 443. | 0.1 | 1 |
| 21 | Odontoid osteomyelitis with atlantoaxial subluxation in an infant. <i>European Spine Journal</i> , 2017, 26, 136-140. | 2.2 | 4 |
| 22 | Preoperative Risk Factors of C5 Nerve Root Palsy After Laminectomy and Fusion in Patients With Cervical Myelopathy. <i>Clinical Spine Surgery</i> , 2017, 30, 419-424. | 1.3 | 14 |
| 23 | Efficacy and Safety of Transdermal Buprenorphine versus Oral Tramadol/Acetaminophen in Patients with Persistent Postoperative Pain after Spinal Surgery. <i>Pain Research and Management</i> , 2017, 2017, 1-11. | 1.8 | 5 |
| 24 | Efficacy and Safety of Different Aceclofenac Treatments for Chronic Lower Back Pain: Prospective, Randomized, Single Center, Open-Label Clinical Trials. <i>Yonsei Medical Journal</i> , 2017, 58, 637. | 2.2 | 25 |
| 25 | Effect of Sagittal Balance on Risk of Falling after Lateral Lumbar Interbody Fusion Surgery Combined with Posterior Surgery. <i>Yonsei Medical Journal</i> , 2017, 58, 1177. | 2.2 | 11 |
| 26 | Dual Growing Rod Treatment for Progressive Pediatric Spinal Deformity. <i>Journal of Korean Society of Spine Surgery</i> , 2017, 24, 183. | 0.0 | 0 |
| 27 | Pamidronate Down-regulates Tumor Necrosis Factor-alpha Induced Matrix Metalloproteinases Expression in Human Intervertebral Disc Cells. <i>Journal of Bone Metabolism</i> , 2016, 23, 165. | 1.3 | 4 |
| 28 | The Thoracic Lordosis Correction Improves Sacral Slope and Walking Ability in Neuromuscular Scoliosis. <i>Clinical Spine Surgery</i> , 2016, 29, E413-E420. | 1.3 | 5 |
| 29 | Spinal sagittal balance status affects postoperative actual falls and quality of life after decompression and fusion in-situ surgery in patients with lumbar spinal stenosis. <i>Clinical Neurology and Neurosurgery</i> , 2016, 148, 52-59. | 1.4 | 19 |
| 30 | Growing rod technique for the treatment of the traumatic spinopelvic dissociation: a technical trick. <i>Spine Journal</i> , 2016, 16, e209-e214. | 1.3 | 7 |
| 31 | Usefulness of Noninvasive Positive-pressure Ventilation During Surgery of Flaccid Neuromuscular Scoliosis. <i>Journal of Spinal Disorders and Techniques</i> , 2015, 28, 298-300. | 1.9 | 8 |
| 32 | Clinical Outcome and Changes of Foraminal Dimension in Patients With Foraminal Stenosis After ACDF. <i>Journal of Spinal Disorders and Techniques</i> , 2015, 28, E449-E453. | 1.9 | 23 |
| 33 | Relationship between Bone Mineral Density and Spinal Muscle Area in Magnetic Resonance Imaging. <i>Journal of Bone Metabolism</i> , 2015, 22, 197. | 1.3 | 11 |
| 34 | Comparison of Multi-Echo Dixon Methods with Volume Interpolated Breath-Hold Gradient Echo Magnetic Resonance Imaging in Fat-Signal Fraction Quantification of Paravertebral Muscle. <i>Korean Journal of Radiology</i> , 2015, 16, 1086. | 3.4 | 36 |
| 35 | Safety Evaluation of Freehand Lateral Mass Screw Fixation in the Subaxial Cervical Spine. <i>Spine</i> , 2015, 40, 2-5. | 2.0 | 19 |
| 36 | Postoperative quality of life in patients with progressive neuromuscular scoliosis and their parents. <i>Spine Journal</i> , 2015, 15, 446-453. | 1.3 | 27 |

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|----|--|-----|-----------|
| 37 | Prognostic Factors for Surgical Outcomes Including Preoperative Total Knee Replacement and Knee Osteoarthritis Status in Female Patients With Lumbar Spinal Stenosis. <i>Journal of Spinal Disorders and Techniques</i> , 2015, 28, 47-52. | 1.9 | 11 |
| 38 | Cardiopulmonary function and scoliosis severity in idiopathic scoliosis children. <i>Korean Journal of Pediatrics</i> , 2015, 58, 218. | 1.9 | 38 |
| 39 | Response to: Evidence-Based of Nonoperative Treatment in Adolescent Idiopathic Scoliosis. <i>Asian Spine Journal</i> , 2015, 9, 315. | 2.0 | 1 |
| 40 | Evidence-Based of Nonoperative Treatment in Adolescent Idiopathic Scoliosis. <i>Asian Spine Journal</i> , 2014, 8, 695. | 2.0 | 19 |
| 41 | At Least One Cyclic Teriparatide Administration Can Be Helpful to Delay Initial Onset of a New Osteoporotic Vertebral Compression Fracture. <i>Yonsei Medical Journal</i> , 2014, 55, 1576. | 2.2 | 4 |
| 42 | Transpedicular curettage and drainage versus combined anterior and posterior surgery in infectious spondylodiscitis. <i>Indian Journal of Orthopaedics</i> , 2014, 48, 74-80. | 1.1 | 12 |
| 43 | Functional Outcomes in Duchenne Muscular Dystrophy Scoliosis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, 409-415. | 3.0 | 32 |
| 44 | Down-regulation of collagen synthesis and matrix metalloproteinase expression in myofibroblasts from Dupuytren nodule using adenovirus-mediated relaxin gene therapy. <i>Journal of Orthopaedic Research</i> , 2014, 32, 515-523. | 2.3 | 20 |
| 45 | Herniated Intervertebral Disk Induces Hypertrophy and Ossification of Ligamentum Flavum. <i>Journal of Spinal Disorders and Techniques</i> , 2014, 27, 382-389. | 1.9 | 16 |
| 46 | Perioperative complication and surgical outcome in patients with spine metastases: Retrospective 200-case series in a single institute. <i>Clinical Neurology and Neurosurgery</i> , 2014, 122, 80-86. | 1.4 | 57 |
| 47 | Comparison of Effects of Nonoperative Treatment and Decompression Surgery on Risk of Patients with Lumbar Spinal Stenosis Falling. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, e110. | 3.0 | 21 |
| 48 | Prognostic Factor Analysis in Patients with Metastatic Spine Disease Depending on Surgery and Conservative Treatment: Review of 577 Cases. <i>Annals of Surgical Oncology</i> , 2013, 20, 40-46. | 1.5 | 48 |
| 49 | Results of Dual Growing Rods Treatment for Progressive Pediatric Spinal Deformity. <i>Journal of Korean Society of Spine Surgery</i> , 2013, 20, 8. | 0.0 | 3 |
| 50 | Analysis of Single Nucleotide Polymorphism in Adolescent Idiopathic Scoliosis in Korea: For Personalized Treatment. <i>Yonsei Medical Journal</i> , 2013, 54, 500. | 2.2 | 18 |
| 51 | Surgical Outcome of Lumbar Fusion Surgery in Patients With Parkinson Disease. <i>Journal of Spinal Disorders and Techniques</i> , 2012, 25, 351-355. | 1.9 | 50 |
| 52 | The Biomechanical Effect of Pedicle Screws' Insertion Angle and Position on the Superior Adjacent Segment in 1 Segment Lumbar Fusion. <i>Spine</i> , 2012, 37, 1637-1644. | 2.0 | 79 |
| 53 | Changes in Vitamin D Status After Surgery in Female Patients With Lumbar Spinal Stenosis and Its Clinical Significance. <i>Spine</i> , 2012, 37, E1326-E1330. | 2.0 | 33 |
| 54 | Tissue Engineering of the Intervertebral Disc With Cultured Nucleus Pulposus Cells Using Atelocollagen Scaffold and Growth Factors. <i>Spine</i> , 2012, 37, 452-458. | 2.0 | 47 |

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|----|---|-----|-----------|
| 55 | Transpedicular Curettage and Drainage of Infective Lumbar Spondylodiscitis: Technique and Clinical Results. <i>Clinics in Orthopedic Surgery</i> , 2012, 4, 200. | 2.2 | 19 |
| 56 | Gradual Neurologic Deterioration Post Kyphoscoliosis Correction Surgery: A Case Report. <i>Asian Spine Journal</i> , 2012, 6, 140. | 2.0 | 0 |
| 57 | Video-Assisted Thoracoscopic Surgery Plus Lumbar Mini-Open Surgery for Adolescent Idiopathic Scoliosis. <i>Yonsei Medical Journal</i> , 2011, 52, 130. | 2.2 | 2 |
| 58 | The Quantitative Assessment of Risk Factors to Overstress at Adjacent Segments After Lumbar Fusion. <i>Spine</i> , 2011, 36, 1367-1373. | 2.0 | 26 |
| 59 | The Risk Assessment of a Fall in Patients With Lumbar Spinal Stenosis. <i>Spine</i> , 2011, 36, E588-E592. | 2.0 | 53 |
| 60 | Value of Preoperative Pulmonary Function Test in Flaccid Neuromuscular Scoliosis Surgery. <i>Spine</i> , 2011, 36, E1391-E1394. | 2.0 | 17 |
| 61 | Pelvic Obliquity in Neuromuscular Scoliosis. <i>Spine</i> , 2011, 36, 146-152. | 2.0 | 32 |
| 62 | Vascular Injury in Thoracolumbar Spinal Surgeries and Role of Angiography in Early Diagnosis and Management. <i>Journal of Spinal Disorders and Techniques</i> , 2010, 23, 418-424. | 1.9 | 7 |
| 63 | Analysis of biomechanical changes after removal of instrumentation in lumbar arthrodesis by finite element analysis. <i>Medical and Biological Engineering and Computing</i> , 2010, 48, 703-709. | 2.8 | 40 |
| 64 | Antibiotic Microbial Prophylaxis for Spinal Surgery: Comparison between 48 and 72-Hour AMP Protocols. <i>Asian Spine Journal</i> , 2010, 4, 71. | 2.0 | 20 |
| 65 | Video-Assisted Thoracoscopic Surgery for Correction of Adolescent Idiopathic Scoliosis: Comparison of 4.5 mm versus 5.5 mm Rod Constructs. <i>Yonsei Medical Journal</i> , 2010, 51, 753. | 2.2 | 3 |
| 66 | Tissue Engineering of the Intervertebral Disc with Cultured Nucleus Pulposus Cells Using Atelocollagen Scaffold and Gene Therapy. <i>Journal of Korean Society of Spine Surgery</i> , 2010, 17, 49. | 0.0 | 0 |
| 67 | Scoliosis Imaging: What Radiologists Should Know. <i>Radiographics</i> , 2010, 30, 1823-1842. | 3.3 | 187 |
| 68 | Comparison between Operated Muscular Dystrophy and Spinal Muscular Atrophy Patients in terms of Radiological, Pulmonary and Functional Outcomes. <i>Asian Spine Journal</i> , 2010, 4, 82. | 2.0 | 16 |
| 69 | Comparison of Mechanical Property of Conventional Rods versus Growing Rods for Pediatric Early Onset Scoliosis. <i>Journal of Korean Society of Spine Surgery</i> , 2010, 17, 177. | 0.0 | 3 |
| 70 | Prevention of New Vertebral Fractures after Treatment with Risedronate, Alendronate or Calcium Carbonate in Patients with Osteoporotic Compression Fracture Treated with Cement Augmentation. <i>The Journal of the Korean Orthopaedic Association</i> , 2009, 44, 436. | 0.1 | 0 |
| 71 | Comparison of Surgical Outcomes in Thoracolumbar Fractures Operated with Posterior Constructs Having Varying Fixation Length with Selective Anterior Fusion. <i>Yonsei Medical Journal</i> , 2009, 50, 546. | 2.2 | 16 |
| 72 | A validated finite element analysis of nerve root stress in degenerative lumbar scoliosis. <i>Medical and Biological Engineering and Computing</i> , 2009, 47, 599-605. | 2.8 | 27 |

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|----|--|-----|-----------|
| 73 | Restoration of Bone Turnover Rate After Decompression Surgery in Patients With Symptomatic Lumbar Spinal Stenosis. <i>Spine</i> , 2009, 34, E635-E639. | 2.0 | 10 |
| 74 | Multiple Levels of Lumbar Spondylolysis - A Case Report -. <i>Asian Spine Journal</i> , 2009, 3, 35. | 2.0 | 15 |
| 75 | Life Expectancy After Lumbar Spine Surgery. <i>Spine</i> , 2008, 33, 2116-2121. | 2.0 | 30 |
| 76 | Bone Metabolism in Postmenopausal Women With Lumbar Spinal Stenosis. <i>Spine</i> , 2008, 33, 2435-2439. | 2.0 | 26 |
| 77 | Intraspinal Clear Cell Meningioma - A Case Report -. <i>The Journal of the Korean Orthopaedic Association</i> , 2008, 43, 518. | 0.1 | 2 |
| 78 | Risk Factors Associated with the Halo Phenomenon after Lumbar Fusion Surgery and its Clinical Significance. <i>Asian Spine Journal</i> , 2008, 2, 22. | 2.0 | 11 |
| 79 | Incidence and Risk Factors Associated with Superior Mesenteric Artery Syndrome following Surgical Correction of Scoliosis. <i>Asian Spine Journal</i> , 2008, 2, 27. | 2.0 | 18 |
| 80 | Polyaxial Screws with Thick Rod versus Monoaxial Screws with Thin Rod in Video-Assisted Thoracoscopic Scoliosis Surgery (VATS). <i>Journal of Korean Society of Spine Surgery</i> , 2008, 15, 9. | 0.3 | 0 |
| 81 | The Incidence of New Vertebral Compression Fractures in Women after Kyphoplasty and Factors Involved. <i>Yonsei Medical Journal</i> , 2007, 48, 645. | 2.2 | 34 |
| 82 | Sagittal Plane Analysis of Adolescent Idiopathic Scoliosis after VATS (Video-Assisted Thoracoscopic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 2.2 | 14 |
| 83 | Radiographic Morphometry of Lumbar Intervertebral Disc Space in Normal Korean. <i>Journal of Korean Society of Spine Surgery</i> , 2007, 14, 129. | 0.3 | 5 |
| 84 | A Comparison of Bone Mineral Density between Adolescent Idiopathic Scoliosis and Neuromuscular Scoliosis. <i>Journal of Korean Society of Spine Surgery</i> , 2007, 14, 17. | 0.3 | 0 |
| 85 | The Effect of Synovial Fluid from Degenerated Facet on Hypertrophy and Ossification of the Ligamentum Flavum. <i>Journal of Korean Society of Spine Surgery</i> , 2007, 14, 25. | 0.3 | 0 |
| 86 | Delayed Onset Neurological Deterioration due to a Spinal Epidural Hematoma after a Spine Fracture. <i>Asian Spine Journal</i> , 2007, 1, 98. | 2.0 | 0 |
| 87 | A Comparison of Autologous and Homologous Transfusions in Spinal Fusion. <i>Yonsei Medical Journal</i> , 2006, 47, 840. | 2.2 | 7 |
| 88 | A Change of Pulmonary Function in the Patients with Severe Non-Idiopathic Scoliosis Following Reconstructive Spine Surgery. <i>Journal of Korean Society of Spine Surgery</i> , 2006, 13, 106. | 0.3 | 2 |
| 89 | Thoracic Fracture-Dislocations Without Spinal Cord Injury - Two Cases Reports-. <i>Journal of Korean Society of Spine Surgery</i> , 2006, 13, 69. | 0.3 | 0 |
| 90 | Hibernoma in Psoas Muscle - A Case Report -. <i>Journal of Korean Society of Spine Surgery</i> , 2006, 13, 306. | 0.3 | 2 |

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|-----|--|-----|-----------|
| 91 | Comparison of the Predictive Value of Myelography, Computed Tomography and MRI on the Treadmill Test in Lumbar Spinal Stenosis. <i>Yonsei Medical Journal</i> , 2005, 46, 806. | 2.2 | 45 |
| 92 | Intradiscal Electrothermal Treatment for Chronic Lower Back Pain Patients with Internal Disc Disruption. <i>Yonsei Medical Journal</i> , 2005, 46, 539. | 2.2 | 11 |
| 93 | Comparative Study of the Safety and Effectiveness of Tramadol 37.5 mg/Acetaminophen 325 mg Combined Tablets and Cyclo-Oxygenase-2 (Celecoxib) Inhibitor for the Treatment of Chronic Low Back Pain - A Multicenter, Randomized, Comparative Clinical Study -. <i>Journal of Korean Society of Spine Surgery</i> , 2005, 12, 299. | 0.3 | 3 |
| 94 | Phenotypical Stability and Matrix Synthesis of Human Intervertebral Disc Cells in Response to Dexamethasone and Transforming Growth Factor- β 1. <i>Journal of Korean Society of Spine Surgery</i> , 2005, 12, 91. | 0.3 | 0 |
| 95 | A Multi-center, Double-blind, Randomized and Comparative Clinical Study for the Safety and Analgesic Effect after four-week-treatment with Neurotrophin \AA in Patients with Low Back Pain: Compared to Aceclofenac. <i>Journal of Korean Society of Spine Surgery</i> , 2005, 12, 214. | 0.3 | 0 |
| 96 | Tissue Engineered Intervertebral Disc by Atelocollagen Scaffolds and Growth Factors. <i>Journal of Korean Society of Spine Surgery</i> , 2005, 12, 164. | 0.3 | 0 |
| 97 | Radiographic and Functional Outcome After Surgical Management of Severe Scoliosis in Skeletally Immature Patients with Muscular Dystrophy. <i>Journal of Spinal Disorders and Techniques</i> , 2004, 17, 505-510. | 1.9 | 7 |
| 98 | Biologic Modification of Ligamentum Flavum Cells by Marker Gene Transfer and Recombinant Human Bone Morphogenetic Protein-2. <i>Spine</i> , 2004, 29, 960-965. | 2.0 | 17 |
| 99 | The Effect of Pulsed Electromagnetic Field in Human Intervertebral Disc Cell. <i>Journal of Korean Society of Spine Surgery</i> , 2004, 11, 194. | 0.3 | 0 |
| 100 | The Accuracy of Computed Tomography in Assessing Cervical Pedicle Screw Placement. <i>Spine</i> , 2003, 28, 2441-2446. | 2.0 | 37 |
| 101 | Dual Roles of Ligamentum Flavum for Spinal Fusion: As an Osteoinductive Agent and Carrier for Ex-vivo Gene Transfer. <i>Journal of Korean Society of Spine Surgery</i> , 2003, 10, 1. | 0.3 | 0 |
| 102 | Molecular Biological and Pathological Aspects of Intercostal Muscles and Intervertebral Discs in Adolescent Idiopathic Scoliosis in Korea. <i>Journal of Korean Society of Spine Surgery</i> , 2003, 10, 209. | 0.3 | 0 |
| 103 | Learning Curve for the Thoracoscopic Correction of Spinal Deformities. <i>Journal of Korean Society of Spine Surgery</i> , 2003, 10, 261. | 0.3 | 1 |
| 104 | Phospholipase A ₂ in Herniated Lumbar Discs: Its Relevance to Pain. <i>Journal of Korean Society of Spine Surgery</i> , 2002, 9, 8. | 0.3 | 0 |
| 105 | Retention of ¹²⁵ I-labeled recombinant human bone morphogenetic protein-2 by biphasic calcium phosphate or a composite sponge in a rabbit posterolateral spine arthrodesis model. <i>Journal of Orthopaedic Research</i> , 2002, 20, 1050-1059. | 2.3 | 67 |
| 106 | Osteogenesis by Transfer of Bone Morphogenetic Protein-2 cDNA in Ligamentum Flavum Cells: Approach Toward Tissue Engineering. <i>Journal of Korean Society of Spine Surgery</i> , 2002, 9, 263. | 0.3 | 1 |
| 107 | Transforming Growth Factor- β 1 and Bone Morphogenetic Protein-2 Upregulates Matrix Synthesis and Chondrogenic Phenotype in Intervertebral Disc Cells. <i>Journal of Korean Society of Spine Surgery</i> , 2002, 9, 165. | 0.3 | 0 |
| 108 | Growth Factors and Their Clinical Applications. <i>Journal of Korean Society of Spine Surgery</i> , 2001, 8, 372. | 0.3 | 1 |

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|-----|---|-----|-----------|
| 109 | Matrix Synthesis of Human Intervertebral Disc Cells According to Grade of Degeneration: Under the Basal State and TGF- β 1 Stimulation. Journal of Korean Society of Spine Surgery, 2001, 8, 107. | 0.3 | 1 |
| 110 | Bone Forming Gene Therapy (Immune Animal Model in Ex Vivo Gene Therapy for Spinal Fusion with Type) Tj ETQq0 0 0 rgBT /Overlock 1 Surgery, 2001, 8, 437. | 0.3 | 1 |
| 111 | Responsiveness of Human Intervertebral Disc Cells in Matrix Synthesis To Adenovirus-Mediated Gene Transfer(IGF-1, TGF- β 1 Encoding Genes). Journal of Korean Society of Spine Surgery, 2001, 8, 195. | 0.3 | 1 |
| 112 | Reliability of Magnetic Resonance Imaging in Detecting Posterior Ligament Complex Injury in Thoracolumbar Spinal Fractures. Spine, 2000, 25, 2079-2084. | 2.0 | 146 |
| 113 | Sexual Dysfunction in Men With Paraparesis in Lumbar Burst Fractures. Spine, 2000, 25, 2187-2190. | 2.0 | 11 |
| 114 | Modified Step-Cut Osteotomy of the Humerus. Journal of Pediatric Orthopaedics Part B, 1998, 7, 162-166. | 0.6 | 26 |