

Po-Liang Lai

List of Publications by Year in descending order

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152
papers

3,020
citations

172457

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223800

46
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157
all docs

157
docs citations

157
times ranked

3206
citing authors

#	ARTICLE	IF	CITATIONS
1	Distal Junctional Kyphosis after Posterior Spinal Fusion in Lenke 1 and 2 Adolescent Idiopathic Scoliosis-Exploring Detailed Features of the Sagittal Stable Vertebra Concept. <i>Global Spine Journal</i> , 2023, 13, 1112-1119.	2.3	9
2	Bi-directional gene activation and repression promote ASC differentiation and enhance bone healing in osteoporotic rats. <i>Molecular Therapy</i> , 2022, 30, 92-104.	8.2	5
3	Strontium sintered calcium sulfate bone graft for enhancing osteogenesis in a rat femoral defect model. <i>Materials Today Communications</i> , 2022, 30, 103050.	1.9	1
4	From 3D printing to 3D bioprinting: the material properties of polymeric material and its derived bioink for achieving tissue specific architectures. <i>Cell and Tissue Banking</i> , 2022, 23, 417-440.	1.1	13
5	Self-assisted wound healing using piezoelectric and triboelectric nanogenerators. <i>Science and Technology of Advanced Materials</i> , 2022, 23, 1-16.	6.1	32
6	Cre/LoxP Genetic Recombination Sustains Cartilage Anabolic Factor Expression in Hyaluronan Encapsulated MSCs Alleviates Intervertebral Disc Degeneration. <i>Biomedicines</i> , 2022, 10, 555.	3.2	3
7	Improved fixation stability for repairing pedicle screw loosening using a modified cement filling technique in porcine vertebrae. <i>Scientific Reports</i> , 2022, 12, 2739.	3.3	3
8	High viscosity bone cement vertebroplasty versus low viscosity bone cement vertebroplasty in the treatment of mid-high thoracic vertebral compression fractures. <i>Spine Journal</i> , 2022, 22, 524-534.	1.3	3
9	Novel MRI-based vertebral bone quality score as a predictor of cage subsidence following transforaminal lumbar interbody fusion. <i>Journal of Neurosurgery: Spine</i> , 2022, 37, 654-662.	1.7	13
10	Novel Dual-Threaded Pedicle Screws Provide Fixation Stability That Is Comparable to That of Traditional Screws with Relative Bone Preservation: An In Vitro Biomechanical Study. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6172.	2.5	1
11	Predicting pullout strength of pedicle screws in broken bones from X-ray images. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 134, 105366.	3.1	3
12	Percutaneous Endoscopic Interbody Debridement and Fusion (PEIDF) Decreases Risk of Sepsis and Mortality in Treating Infectious Spondylodiscitis for Patients with Poor Physical Status, a Retrospective Cohort Study. <i>Biomedicines</i> , 2022, 10, 1659.	3.2	0
13	Biphasic ceramic bone graft with biphasic degradation rates. <i>Materials Science and Engineering C</i> , 2021, 118, 111421.	7.3	18
14	Biphasic bone graft prepared using a gel-foaming technique. <i>Ceramics International</i> , 2021, 47, 7805-7813.	4.8	2
15	Attachment and migration of cells on porous bone graft. <i>Journal of the American Ceramic Society</i> , 2021, 104, 1649-1654.	3.8	0
16	Mir-573 regulates cell proliferation and apoptosis by targeting Bax in human degenerative disc cells following hyperbaric oxygen treatment. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 16.	2.3	4
17	Long-term in vitro degradation and in vivo evaluation of resorbable bioceramics. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 13.	3.6	10
18	In Reply: A Retrospective Analysis in 1347 Patients Undergoing Cement Augmentation for Osteoporotic Vertebral Compression Fracture: Is the Sandwich Vertebra at a Higher Risk of Further Fracture?. <i>Neurosurgery</i> , 2021, 88, E564-E565.	1.1	1

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19	Enhanced mechanical and biological performances of CaO-MgO-SiO ₂ glass-ceramics via the modulation of glass and ceramic phases. <i>Materials Science and Engineering C</i> , 2021, 124, 112060.	7.3	14
20	Cement bridging phenomenon in percutaneous vertebroplasty for adjacent vertebral compression fracture. <i>Scientific Reports</i> , 2021, 11, 10184.	3.3	1
21	Growth factor-loaded microspheres in PEG-polypeptide hydrogel system for articular cartilage repair. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 2516-2526.	4.0	18
22	Early detection and intervention for acute perforated peptic ulcer after elective spine surgeries: a review of 13 cases from 24,026 patients. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 548.	1.9	2
23	Cytotoxicity and cell response of preosteoblast in calcium sulfate-augmented PMMA bone cement. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 055014.	3.3	10
24	Biomechanical Comparison of Fixation Stability among Various Pedicle Screw Geometries: Effects of Screw Outer/Inner Projection Shape and Thread Profile. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9901.	2.5	7
25	Risk Factors of Coexisting Septic Spondylitis and Arthritis: A Case-Control Study in a Tertiary Referral Hospital. <i>Journal of Clinical Medicine</i> , 2021, 10, 5345.	2.4	1
26	Transformation from calcium sulfate to calcium phosphate in biological environment. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 146.	3.6	2
27	A head-to-head comparison of the degradation rate of resorbable bioceramics. <i>Materials Science and Engineering C</i> , 2020, 106, 110175.	7.3	21
28	Coactivation of Endogenous Wnt10b and Foxc2 by CRISPR Activation Enhances BMSC Osteogenesis and Promotes Calvarial Bone Regeneration. <i>Molecular Therapy</i> , 2020, 28, 441-451.	8.2	37
29	Biomechanical Comparison of Lumbar Motion Unit Stability Following Posterior Instrumentation with Facet Spacers and Facet Screws. <i>Journal of Medical and Biological Engineering</i> , 2020, 40, 220-229.	1.8	1
30	A Retrospective Analysis in 1347 Patients Undergoing Cement Augmentation for Osteoporotic Vertebral Compression Fracture: Is the Sandwich Vertebra at a Higher Risk of Further Fracture?. <i>Neurosurgery</i> , 2020, 88, 342-348.	1.1	13
31	Use of longer sized screws is a salvage method for broken pedicles in osteoporotic vertebrae. <i>Scientific Reports</i> , 2020, 10, 10441.	3.3	15
32	From phase diagram to the design of strontium-containing carrier. <i>Journal of Asian Ceramic Societies</i> , 2020, 8, 677-684.	2.3	6
33	Fabrication and evaluation of electroplated diamond grinding rods strengthened with Cr-C deposit. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 2541-2550.	3.0	8
34	Biomimetic Engineering of a Scavenger-Free Nitric Oxide-Generating/Delivering System to Enhance Radiation Therapy. <i>Small</i> , 2020, 16, e2000655.	10.0	19
35	Radiation Therapy: Biomimetic Engineering of a Scavenger-Free Nitric Oxide-Generating/Delivering System to Enhance Radiation Therapy (Small 23/2020). <i>Small</i> , 2020, 16, 2070126.	10.0	0
36	Optimizing an Injectable Composite Oxygen-Generating System for Relieving Tissue Hypoxia. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 511.	4.1	15

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37	Cell migration of preosteoblast cells on a clinical gelatin sponge for 3D bone tissue engineering. <i>Biomedical Materials (Bristol)</i> , 2020, 15, 015005.	3.3	9
38	Biomechanical comparison of pedicle screw fixation strength in synthetic bones: Effects of screw shape, core/thread profile and cement augmentation. <i>PLoS ONE</i> , 2020, 15, e0229328.	2.5	32
39	Fabrication and evaluation of electroplated Ni-C-diamond and Ni-B-diamond milling tools with a high density of diamond particles. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 104, 2981-2989.	3.0	13
40	Manipulation of the degradation behavior of calcium sulfate by the addition of bioglass. <i>Progress in Biomaterials</i> , 2019, 8, 115-125.	4.5	15
41	Bone regeneration in Ds-Red pig calvarial defect using allogenic transplantation of EGFP-pMSCs – A comparison of host cells and seeding cells in the scaffold. <i>PLoS ONE</i> , 2019, 14, e0215499.	2.5	8
42	A biomechanical investigation of the retentive force of pedicle screw structures for different screw tulip designs. <i>Clinical Biomechanics</i> , 2019, 70, 23-30.	1.2	4
43	Plasmid BMP-2-embedded gelatin sponge as a gene-activated matrix for preosteoblast differentiation. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 53, 101129.	3.0	0
44	Percutaneous Balloon Kyphoplasty and Short Instrumentation Compared with Traditional Long Instrumentation for Thoracolumbar Metastatic Spinal Cord Compression. <i>World Neurosurgery</i> , 2019, 130, e640-e647.	1.3	6
45	Biomechanical study of the fixation stability of broken pedicle screws and subsequent strategies. <i>PLoS ONE</i> , 2019, 14, e0219189.	2.5	15
46	Effect of Cu and Ni Undercoatings on the Electrochemical Corrosion Behaviour of C-Coated Steel Samples in 0.1 M H ₂ SO ₄ Solution with 1 g/L NaCl. <i>Coatings</i> , 2019, 9, 531.	2.6	4
47	The correlations between the anchor density and the curve correction of adolescent idiopathic scoliosis surgery. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 497.	1.9	8
48	BIOMECHANICAL STUDY OF PEDICLE SCREW FIXATION STRENGTH: ASSOCIATION OF SCREW MALPOSITION AND SCREW INSERTION TORQUE. <i>Journal of Mechanics in Medicine and Biology</i> , 2019, 19, 1940012.	0.7	1
49	INVESTIGATION INTO WHETHER OR NOT PMMA BONE CEMENT TRANSPEDICULAR SCREW AUGMENTATION STABILIZES PEDICLE SCREW LOOSENING. <i>Journal of Mechanics in Medicine and Biology</i> , 2019, 19, 1940024.	0.7	0
50	Tuberculous spondylitis after percutaneous vertebroplasty: A case series of 9 cases. <i>Biomedical Journal</i> , 2019, 42, 285-292.	3.1	7
51	CRISPR technologies for stem cell engineering and regenerative medicine. <i>Biotechnology Advances</i> , 2019, 37, 107447.	11.7	59
52	Anneal-hardening behaviour of Cr C, Cr Ni C and Cr Ni Fe C alloy deposits. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 96, 543-548.	5.3	0
53	Incorporation of surface-modified hydroxyapatite into poly(methyl methacrylate) to improve biological activity and bone ingrowth. <i>Royal Society Open Science</i> , 2019, 6, 182060.	2.4	21
54	Cage positioning as a risk factor for posterior cage migration following transforaminal lumbar interbody fusion – an analysis of 953 cases. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 260.	1.9	31

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55	Center of pressure progression patterns during level walking in adolescents with idiopathic scoliosis. PLoS ONE, 2019, 14, e0212161.	2.5	13
56	Upregulation of miR-107 expression following hyperbaric oxygen treatment suppresses HMGB1/RAGE signaling in degenerated human nucleus pulposus cells. Arthritis Research and Therapy, 2019, 21, 42.	3.5	20
57	In Vitro Biomechanical Validation of a Self-Adaptive Ratchet Growing Rod Construct for Fusionless Scoliosis Correction. Spine, 2019, 44, E1231-E1240.	2.0	2
58	Risk factors of neurological deficit and pulmonary cement embolism after percutaneous vertebroplasty. Journal of Orthopaedic Surgery and Research, 2019, 14, 406.	2.3	34
59	BIOMECHANICAL EVALUATION OF LOW-MODULUS BONE CEMENT FOR ENHANCING APPLICABILITY IN VERTEBROPLASTY – AN EXPERIMENTAL STUDY IN PORCINE MODEL. Biomedical Engineering - Applications, Basis and Communications, 2018, 30, 1850002.	0.6	2
60	In Situ Self-Assembling Micellar Depots that Can Actively Trap and Passively Release NO with Long-Lasting Activity to Reverse Osteoporosis. Advanced Materials, 2018, 30, e1705605.	21.0	33
61	Effect of precursor baking on the electrochemical properties of IrO ₂ -Ta ₂ O ₅ /Ti anodes. Surface and Coatings Technology, 2018, 350, 896-903.	4.8	9
62	Effect of physical and chemical characteristics on the washout resistance of calcium sulfate pellets. Ceramics International, 2018, 44, 8934-8939.	4.8	6
63	Factors related to post surgical neurologic improvement for cervical spine infection. Biomedical Journal, 2018, 41, 306-313.	3.1	3
64	Surgical outcomes of infectious spondylitis after vertebroplasty, and comparisons between pyogenic and tuberculosis. BMC Infectious Diseases, 2018, 18, 555.	2.9	13
65	Radiation dose for pediatric scoliosis patients undergoing whole spine radiography: Effect of the radiographic length in an auto-stitching digital radiography system. European Journal of Radiology, 2018, 108, 99-106.	2.6	4
66	Appropriate duration of post-surgical intravenous antibiotic therapy for pyogenic spondylodiscitis. BMC Infectious Diseases, 2018, 18, 468.	2.9	14
67	BMP-2 gene transfection of bone marrow stromal cells to induce osteoblastic differentiation in a rat calvarial defect model. Materials Science and Engineering C, 2018, 91, 806-816.	7.3	28
68	Is Convex Derotation Equally Effective as Concave Derotation for Achieving Adequate Correction of Selective Lenke's Type- 1 Scoliosis?. Indian Journal of Orthopaedics, 2018, 52, 363-368.	1.1	7
69	A biomechanical investigation of different screw head designs for vertebral derotation in scoliosis surgery. Spine Journal, 2017, 17, 1171-1179.	1.3	10
70	Early surgery with antibiotics treatment had better clinical outcomes than antibiotics treatment alone in patients with pyogenic spondylodiscitis: a retrospective cohort study. BMC Musculoskeletal Disorders, 2017, 18, 175.	1.9	53
71	In Vitro degradation study of polyanhydride copolymers / surface grafted hydroxyapatite composites for bone tissue application. Polymer Degradation and Stability, 2017, 140, 136-146.	5.8	15
72	Characterization of a novel caudal vertebral interbody fusion in a rat tail model: An implication for future material and mechanical testing. Biomedical Journal, 2017, 40, 62-68.	3.1	6

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73	Correlation of blood bone turnover biomarkers and Wnt signaling antagonists with AS, DISH, OPLL, and OYL. BMC Musculoskeletal Disorders, 2017, 18, 61.	1.9	39
74	A Feasibility Study Regarding the Potential Use of Silica-Doped Calcium Sulfate Anhydrite as a Bone Void Filler. Journal of Medical and Biological Engineering, 2017, 37, 879-886.	1.8	10
75	Additional vertebral augmentation with posterior instrumentation for unstable thoracolumbar burst fractures. Injury, 2017, 48, 1806-1812.	1.7	10
76	Controlled Release of Strontium through Neutralization Reaction within a Methoxy(Polyethylene) Tj ETQq0 0 0 rgBTJ Overlock 10 Tf 50	1.6	5
77	Anneal-Hardening Behavior of Cr-Fe-C Alloy Deposits Prepared in a Cr ³⁺ -Based Bath with Fe ²⁺ Ions. Materials, 2017, 10, 1392.	2.9	4
78	Effect of Postural Control Demands on Early Visual Evoked Potentials during a Subjective Visual Vertical Perception Task in Adolescents with Idiopathic Scoliosis. Frontiers in Human Neuroscience, 2017, 11, 326.	2.0	12
79	Is additional balloon Kyphoplasty safe and effective for acute thoracolumbar burst fracture?. BMC Musculoskeletal Disorders, 2017, 18, 393.	1.9	8
80	Application of two-parameter scoliometer values for predicting scoliotic Cobb angle. BioMedical Engineering OnLine, 2017, 16, 136.	2.7	18
81	Effects of Strontium Ranelate on Spinal Interbody Fusion Surgery in an Osteoporotic Rat Model. PLoS ONE, 2017, 12, e0167296.	2.5	14
82	Modification of Mechanical Properties, Polymerization Temperature, and Handling Time of Polymethylmethacrylate Cement for Enhancing Applicability in Vertebroplasty. BioMed Research International, 2016, 2016, 1-8.	1.9	16
83	Paper-based CRP Monitoring Devices. Scientific Reports, 2016, 6, 38171.	3.3	19
84	Comparison between harvesting and preserving the spinous process for adolescent idiopathic scoliosis. BMC Musculoskeletal Disorders, 2016, 17, 366.	1.9	5
85	A poloxamer-polypeptide thermosensitive hydrogel as a cell scaffold and sustained release depot. Polymer Chemistry, 2016, 7, 2976-2985.	3.9	24
86	Osteogenic differentiation of preosteoblasts on a hemostatic gelatin sponge. Scientific Reports, 2016, 6, 32884.	3.3	56
87	Unplanned revision spinal surgery within a week: a retrospective analysis of surgical causes. BMC Musculoskeletal Disorders, 2016, 17, 28.	1.9	21
88	Correlation between zoledronic acid infusion and repeat vertebroplasty surgery in osteoporotic patients. Current Medical Research and Opinion, 2016, 32, 921-927.	1.9	5
89	A Biomechanical Comparison of Expansive Pedicle Screws for Severe Osteoporosis: The Effects of Screw Design and Cement Augmentation. PLoS ONE, 2015, 10, e0146294.	2.5	23
90	THE BIOMECHANICAL EFFECTS OF CEMENT AUGMENTATION AND PARTIAL VERTEBRAL HEIGHT RESTORATION ON THE LOAD TRANSFER CHANGE OF ADJACENT VERTEBRAE IN VERTEBROPLASTY. Journal of Mechanics in Medicine and Biology, 2015, 15, 1550025.	0.7	1

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91	Increased sulfatase 1 gene expression in degenerative intervertebral disc cells. <i>Journal of Orthopaedic Research</i> , 2015, 33, 312-317.	2.3	8
92	Combined anterior lumbar interbody fusion and instrumented posterolateral fusion for degenerative lumbar scoliosis: indication and surgical outcomes. <i>BMC Surgery</i> , 2015, 15, 26.	1.3	28
93	Mesenchymal stem cells expressing baculovirus-engineered BMP-2 and VEGF enhance posterolateral spine fusion in a rabbit model. <i>Spine Journal</i> , 2015, 15, 2036-2044.	1.3	29
94	Addition of a small amount of glass to improve the degradation behavior of calcium sulfate bioceramic. <i>Ceramics International</i> , 2015, 41, 1155-1162.	4.8	13
95	Symptomatic epidural hematoma after lumbar decompression surgery. <i>European Spine Journal</i> , 2015, 24, 348-357.	2.2	93
96	Glial cell line-derived neurotrophic factor gene delivery via a polyethylene imine grafted chitosan carrier. <i>International Journal of Nanomedicine</i> , 2014, 9, 3163.	6.7	18
97	Advanced glycation end products in degenerative nucleus pulposus with diabetes. <i>Journal of Orthopaedic Research</i> , 2014, 32, 238-244.	2.3	56
98	Biomechanical comparison of different combinations of hook and screw in one spine motion unit - an experiment in porcine model. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 197.	1.9	11
99	Novel thermosensitive hydrogels based on methoxy polyethylene glycol-co-poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 42 <i>Medicine</i> , 2014, 10, 553-560.	3.3	24
100	Mechanotransduction in intervertebral discs. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 2351-2360.	3.6	9
101	Influence of lumbar curvature and rotation on forward flexibility in idiopathic scoliosis. <i>Biomedical Journal</i> , 2014, 37, 78.	3.1	7
102	Surgical risks and perioperative complications of instrumented lumbar surgery in patients with liver cirrhosis. <i>Biomedical Journal</i> , 2014, 37, 18.	3.1	12
103	Polyanhydride copolymer and bioceramic composites as bone substitutes. <i>Formosan Journal of Musculoskeletal Disorders</i> , 2013, 4, 6-10.	0.2	1
104	Complications associated with instrumented lumbar surgery in patients with liver cirrhosis: a matched cohort analysis. <i>Spine Journal</i> , 2013, 13, 908-913.	1.3	31
105	Increased periostin gene expression in degenerative intervertebral disc cells. <i>Spine Journal</i> , 2013, 13, 289-298.	1.3	38
106	Clinical and radiographic outcome of pillow reduction prior to vertebroplasty on patients with vertebral compression fracture. <i>Formosan Journal of Musculoskeletal Disorders</i> , 2013, 4, 33-37.	0.2	0
107	Development of bioactive thermosensitive polymer-ceramic composite as bone substitute. <i>Chemical Engineering Science</i> , 2013, 89, 133-141.	3.8	5
108	The influences of polycaprolactone-grafted nanoparticles on the properties of polycaprolactone composites with enhanced osteoconductivity. <i>Composites Science and Technology</i> , 2013, 83, 64-71.	7.8	19

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109	Hyperbaric oxygen treatment suppresses MAPK signaling and mitochondrial apoptotic pathway in degenerated human intervertebral disc cells. <i>Journal of Orthopaedic Research</i> , 2013, 31, 204-209.	2.3	29
110	Validity of poly(1,6-bis(4-carboxyphenoxy hexane)adipic(sebacic anhydride)) copolymer in biomedical application. <i>Journal of Applied Polymer Science</i> , 2013, 128, 3687-3695.	2.6	19
111	Chemical and physical properties of bone cement for vertebroplasty. <i>Biomedical Journal</i> , 2013, 36, 162.	3.1	50
112	Comparison of Fusion Rates between Autologous Iliac Bone Graft and Calcium Sulfate with Laminectomy Bone Chips in Multilevel Posterolateral Spine Fusion. <i>Open Journal of Orthopedics</i> , 2013, 03, 119-127.	0.1	2
113	Hypothermic manipulation of bone cement can extend the handling time during vertebroplasty. <i>BMC Musculoskeletal Disorders</i> , 2012, 13, 198.	1.9	9
114	Percutaneous vertebroplasty for pathological vertebral compression fractures secondary to multiple myeloma. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2012, 132, 759-764.	2.4	31
115	Postoperative anterior spondylodiscitis after posterior pedicle screw instrumentation. <i>Spine Journal</i> , 2011, 11, 24-29.	1.3	19
116	Treating C1-2 subluxation with transarticular screw and posterior atlantoaxial fusion: A 5-year experience. <i>Formosan Journal of Musculoskeletal Disorders</i> , 2011, 2, 125-130.	0.2	3
117	Posterior Instrumented Lumbar Spinal Surgery in Uremic Patients Under Maintenance Hemodialysis. <i>Spine</i> , 2011, 36, 660-666.	2.0	10
118	Repeated percutaneous vertebroplasty for refracture of cemented vertebrae. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2011, 131, 927-933.	2.4	77
119	Cement leakage causes potential thermal injury in vertebroplasty. <i>BMC Musculoskeletal Disorders</i> , 2011, 12, 116.	1.9	36
120	Pullout strength of pedicle screws with cement augmentation in severe osteoporosis: A comparative study between cannulated screws with cement injection and solid screws with cement pre-filling. <i>BMC Musculoskeletal Disorders</i> , 2011, 12, 33.	1.9	110
121	Beneficial effects of hyperbaric oxygen on human degenerated intervertebral disk cells via suppression of IL-1 β and p38 MAPK signal. <i>Journal of Orthopaedic Research</i> , 2011, 29, 14-19.	2.3	34
122	Surgical treatment of infectious spondylitis in patients undergoing hemodialysis therapy. <i>European Spine Journal</i> , 2010, 19, 2223-2228.	2.2	16
123	Percutaneous endoscopic debridement and drainage in immunocompromised patients with complicated infectious spondylitis. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2010, 19, 42-47.	1.2	28
124	Use of fluorescence labeled mesenchymal stem cells in pluronic F127 and porous hydroxyapatite as a bone substitute for posterolateral spinal fusion. <i>Journal of Orthopaedic Research</i> , 2009, 27, 1631-1636.	2.3	30
125	Pullout strength for cannulated pedicle screws with bone cement augmentation in severely osteoporotic bone: Influences of radial hole and pilot hole tapping. <i>Clinical Biomechanics</i> , 2009, 24, 613-618.	1.2	115
126	A Comparison of Posterolateral Lumbar Fusion Comparing Autograft, Autogenous Laminectomy Bone With Bone Marrow Aspirate, and Calcium Sulphate With Bone Marrow Aspirate. <i>Spine</i> , 2009, 34, 2715-2719.	2.0	66

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127	Inferior Vena Cava Syndrome Following Percutaneous Vertebroplasty With Polymethylmethacrylate. <i>Spine</i> , 2008, 33, E329-E333.	2.0	27
128	Percutaneous endoscopic discectomy and drainage for infectious spondylitis. <i>International Orthopaedics</i> , 2007, 31, 367-373.	1.9	48
129	Delayed Massive Pleural Effusion After Scoliosis Correction and Thoracoplasty: A Case Report. <i>Journal of Trauma</i> , 2006, 61, 746-748.	2.3	3
130	Thoracic ossified meningioma and osteoporotic burst fracture: treatment with combined vertebroplasty and laminectomy without instrumentation. <i>Journal of Neurosurgery: Spine</i> , 2006, 4, 256-259.	1.7	25
131	Surgical treatment for giant cell tumor of the thoracolumbar spine. <i>Chang Gung Medical Journal</i> , 2006, 29, 71-8.	0.7	10
132	The effect of interspinous ligament integrity on adjacent segment instability after lumbar instrumentation and laminectomy—an experimental study in porcine model. <i>Bio-Medical Materials and Engineering</i> , 2006, 16, 261-7.	0.6	9
133	The Fusion Rate of Calcium Sulfate With Local Autograft Bone Compared With Autologous Iliac Bone Graft for Instrumented Short-Segment Spinal Fusion. <i>Spine</i> , 2005, 30, 2293-2297.	2.0	84
134	Long-term Results of Disc Excision for Recurrent Lumbar Disc Herniation With or Without Posterolateral Fusion. <i>Spine</i> , 2005, 30, 2830-2834.	2.0	83
135	Spinal Ganglioneuroma Mimicking Adolescent Idiopathic Scoliosis. <i>Pediatric Neurosurgery</i> , 2005, 41, 216-219.	0.7	18
136	Autonomic dysreflexia triggered by an unstable lumbar spine in a quadriplegic patient. <i>Chang Gung Medical Journal</i> , 2005, 28, 508-11.	0.7	2
137	Surgical treatment of spinal pseudoarthrosis in ankylosing spondylitis. <i>Chang Gung Medical Journal</i> , 2005, 28, 621-8.	0.7	12
138	Pyogenic spondylitis presenting with skip lesions. <i>Chang Gung Medical Journal</i> , 2005, 28, 651-6.	0.7	3
139	Computer-assisted fluoroscopic navigation of pedicle screw insertion An in vivo feasibility study. <i>Acta Orthopaedica</i> , 2004, 75, 730-735.	1.4	62
140	Intracorporeal bone grafting for vertebral compression fractures with intraosseous vacuum phenomenon. <i>International Orthopaedics</i> , 2004, 28, 52-55.	1.9	9
141	The effect of sagittal alignment on adjacent joint mobility after lumbar instrumentation—a biomechanical study of lumbar vertebrae in a porcine model. <i>Clinical Biomechanics</i> , 2004, 19, 763-768.	1.2	54
142	Relation Between Laminectomy and Development of Adjacent Segment Instability After Lumbar Fusion With Pedicle Fixation. <i>Spine</i> , 2004, 29, 2527-2532.	2.0	121
143	Effect of Postoperative Lumbar Sagittal Alignment on the Development of Adjacent Instability. <i>Journal of Spinal Disorders and Techniques</i> , 2004, 17, 353-357.	1.9	23
144	The Role of Supraspinatous Ligament Integrity on Adjacent Segment Instability after Lumbar Instrumentation and Laminectomy : A Biomechanical Study in Porcine Model(Spine Mechanics). <i>The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics</i> , 2004, 2004.1, 197-198.	0.0	0

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145	Intervertebral disc herniation in adolescents. Chang Gung Medical Journal, 2004, 27, 22-8.	0.7	7
146	Minimally invasive treatment of osteoporotic vertebral compression fracture. Chang Gung Medical Journal, 2004, 27, 261-7.	0.7	12
147	Anterior cervical spinal surgery for multilevel cervical myelopathy. Chang Gung Medical Journal, 2004, 27, 531-41.	0.7	7
148	Polymethylmethacrylate Cement Dislodgment Following Percutaneous Vertebroplasty: A Case Report. Spine, 2003, 28, E457-E460.	2.0	69
149	Adjacent instability after instrumented lumbar fusion. Chang Gung Medical Journal, 2003, 26, 792-8.	0.7	5
150	Clinical outcomes of revision lumbar spinal surgery: 124 patients with a minimum of two years of follow-up. Chang Gung Medical Journal, 2002, 25, 175-82.	0.7	14
151	Surgical Treatment of Adjacent Instability After Lumbar Spine Fusion. Spine, 2001, 26, E519-E524.	2.0	121
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