

Weishi Li

List of Publications by Year in descending order

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86
papers

1,168
citations

430874

18
h-index

501196

28
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113
all docs

113
docs citations

113
times ranked

847
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of CT Hounsfield unit values to identify the undiagnosed spinal osteoporosis in patients with lumbar degenerative diseases. <i>European Spine Journal</i> , 2019, 28, 1758-1766.	2.2	123
2	Progressive 3D Printing Technology and Its Application in Medical Materials. <i>Frontiers in Pharmacology</i> , 2020, 11, 122.	3.5	107
3	Clinical Features of Thoracic Spinal Stenosis-associated Myelopathy. <i>Clinical Spine Surgery</i> , 2016, 29, 86-89.	1.3	76
4	Hounsfield units value is a better predictor of pedicle screw loosening than the T-score of DXA in patients with lumbar degenerative diseases. <i>European Spine Journal</i> , 2020, 29, 1105-1111.	2.2	51
5	Biomechanical study of proximal adjacent segment degeneration after posterior lumbar interbody fusion and fixation: a finite element analysis. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 135.	2.3	40
6	Computed tomography Hounsfield unit-based prediction of pedicle screw loosening after surgery for degenerative lumbar spine disease. <i>Journal of Neurosurgery: Spine</i> , 2020, 32, 716-721.	1.7	38
7	MiR-199b-5p inhibits osteogenic differentiation in ligamentum flavum cells by targeting JAG1 and modulating the Notch signalling pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 1159-1170.	3.6	27
8	The Effect of Paraspinal Muscle Degeneration on Distal Pedicle Screw Loosening Following Corrective Surgery for Degenerative Lumbar Scoliosis. <i>Spine</i> , 2020, 45, 590-598.	2.0	27
9	Two novel BMP-2 variants identified in patients with thoracic ossification of the ligamentum flavum. <i>European Journal of Human Genetics</i> , 2017, 25, 565-571.	2.8	26
10	Genetic differences in osteogenic differentiation potency in the thoracic ossification of the ligamentum flavum under cyclic mechanical stress. <i>International Journal of Molecular Medicine</i> , 2017, 39, 135-143.	4.0	26
11	Age-based normal sagittal alignment in Chinese asymptomatic adults: establishment of the relationships between pelvic incidence and other parameters. <i>European Spine Journal</i> , 2020, 29, 396-404.	2.2	25
12	Hounsfield units of the vertebral body and pedicle as predictors of pedicle screw loosening after degenerative lumbar spine surgery. <i>Neurosurgical Focus</i> , 2020, 49, E10.	2.3	25
13	Degenerative lumbar scoliosis patients with proximal junctional kyphosis have lower muscularity, fatty degeneration at the lumbar area. <i>European Spine Journal</i> , 2021, 30, 1133-1143.	2.2	24
14	Analysis of pelvic Sagittal Alignment in Young Chinese Patients with Lumbar Disc Herniation. <i>Orthopaedic Surgery</i> , 2017, 9, 271-276.	1.8	23
15	Imaging Evaluation of Fat Infiltration in Paraspinal Muscles on MRI: A Systematic Review with a Focus on Methodology. <i>Orthopaedic Surgery</i> , 2021, 13, 1141-1148.	1.8	23
16	The effect of paraspinal muscle on functional status and recovery in patients with lumbar spinal stenosis. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 235.	2.3	22
17	Analysis of Global Sagittal Postural Patterns in Asymptomatic Chinese Adults. <i>Asian Spine Journal</i> , 2016, 10, 282.	2.0	21
18	Analysis of Spinopelvic Sagittal Alignment in Patients With Thoracic and Thoracolumbar Angular Kyphosis. <i>Spine</i> , 2013, 38, E813-E818.	2.0	19

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19	The standing and sitting sagittal spinopelvic alignment of Chinese young and elderly population: does age influence the differences between the two positions?. <i>European Spine Journal</i> , 2020, 29, 405-412.	2.2	19
20	Incidence, Risk, and Outcome of Pedicle Screw Loosening in Degenerative Lumbar Scoliosis Patients Undergoing Long-Segment Fusion. <i>Global Spine Journal</i> , 2023, 13, 1064-1071.	2.3	19
21	Sirtuins: Potential Therapeutic Targets for Defense against Oxidative Stress in Spinal Cord Injury. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-14.	4.0	19
22	Genome-wide DNA methylation profile analysis in thoracic ossification of the ligamentum flavum. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 8753-8762.	3.6	18
23	Use of Hounsfield units of S1 body to diagnose osteoporosis in patients with lumbar degenerative diseases. <i>Neurosurgical Focus</i> , 2019, 46, E6.	2.3	17
24	A targeting method for robot-assisted percutaneous needle placement under fluoroscopy guidance. <i>Computer Assisted Surgery</i> , 2019, 24, 44-52.	1.3	15
25	Characteristics of vertebral CT Hounsfield units in elderly patients with acute vertebral fragility fractures. <i>European Spine Journal</i> , 2020, 29, 1092-1097.	2.2	15
26	The predictive value of preoperative paraspinal muscle morphometry on complications after lumbar surgery: a systematic review. <i>European Spine Journal</i> , 2022, 31, 364-379.	2.2	15
27	Hounsfield Unit for Assessing Vertebral Bone Quality and Asymmetrical Vertebral Degeneration in Degenerative Lumbar Scoliosis. <i>Spine</i> , 2020, 45, 1559-1566.	2.0	13
28	Therapeutics for enhancement of spinal fusion: A mini review. <i>Journal of Orthopaedic Translation</i> , 2021, 31, 73-79.	3.9	13
29	Robot-assisted laminectomy in spinal surgery: a systematic review. <i>Annals of Translational Medicine</i> , 2021, 9, 715-715.	1.7	12
30	Risk factors for screw loosening in patients with adult degenerative scoliosis: the importance of paraspinal muscle degeneration. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 448.	2.3	12
31	Ultrasonic bone scalpel for thoracic spinal decompression: case series and technical note. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 309.	2.3	11
32	Sagittal plane analysis of the spine and pelvis in degenerative lumbar scoliosis. <i>Journal of Orthopaedic Surgery</i> , 2017, 25, 230949901668474.	1.0	10
33	Cellular alterations and crosstalk in the osteochondral joint in osteoarthritis and promising therapeutic strategies. <i>Connective Tissue Research</i> , 2021, 62, 709-719.	2.3	10
34	Incidence and Risk Factors for Symptomatic Spinal Epidural Hematoma Following Posterior Thoracic Spinal Surgery in a Single Institute. <i>Global Spine Journal</i> , 2020, , 219256822097914.	2.3	10
35	Does lumbar lordosis minus thoracic kyphosis predict the clinical outcome of patients with adult degenerative scoliosis?. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 290.	2.3	9
36	Bioinformatics analysis for the identification of key genes and long non-coding RNAs related to bone metastasis in breast cancer. <i>Aging</i> , 2021, 13, 17302-17315.	3.1	8

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37	Vertebral Artery Variations at the Craniovertebral Junction in "Sandwich" Atlantoaxial Dislocation Patients. <i>Neurospine</i> , 2021, 18, 770-777.	2.9	8
38	Posterior corrective surgery for moderate to severe focal kyphosis in the thoracolumbar spine: 57 cases with minimum 3Ayears follow-up. <i>European Spine Journal</i> , 2017, 26, 1833-1841.	2.2	7
39	Differences in standing and sitting spinopelvic sagittal alignment for patients with posterior lumbar fusion: important considerations for the changes of unfused adjacent segments lordosis. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 760.	1.9	7
40	Sagittal Spinal and Pelvic Alignment in Middle-Aged and Older Men and Women in the Natural and Erect Sitting Positions: A Prospective Study in a Chinese Population. <i>Medical Science Monitor</i> , 2020, 26, e919441.	1.1	7
41	Epigenetic modifications in spinal ligament aging. <i>Ageing Research Reviews</i> , 2022, 77, 101598.	10.9	7
42	Banner cloud sign: a novel method for the diagnosis of dural ossification in patients with thoracic ossification of the ligamentum flavum. <i>European Spine Journal</i> , 2022, 31, 1719-1727.	2.2	7
43	Posterior column osteotomy plus unilateral cage strutting for correction of lumbosacral fractional curve in degenerative lumbar scoliosis. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 482.	2.3	6
44	Surgical strategy for non-continuous thoracic spinal stenosis: one- or two-stage surgery?. <i>International Orthopaedics</i> , 2021, 45, 1871-1880.	1.9	6
45	Risk factors associated with post-operative neurological deterioration in patients with thoracic disc disorders with myelopathy. <i>International Orthopaedics</i> , 2021, 45, 1539-1547.	1.9	6
46	A robotic system for spine surgery positioning and pedicle screw placement. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2021, 17, e2262.	2.3	6
47	The clinical value of three-dimensional measurement in the diagnosis of thoracic myelopathy caused by ossification of the ligamentum flavum. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 2040-2051.	2.0	6
48	Delayed Onset Postoperative Spinal Epidural Hematoma after Lumbar Spinal Surgery: Incidence, Risk Factors, and Clinical Outcomes. <i>BioMed Research International</i> , 2020, 2020, 1-8.	1.9	6
49	Paraspinal muscle characteristics on MRI in degenerative lumbar spine with normal bone density, osteopenia and osteoporosis: a case-control study. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 73.	1.9	6
50	Oxidative Stress in Intervertebral Disc Degeneration: New Insights from Bioinformatic Strategies. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-27.	4.0	6
51	Correlation analysis between postoperative hip pain and spino-pelvic/hip parameters in adult scoliosis patients after long-segment spinal fusion. <i>European Spine Journal</i> , 2020, 29, 2990-2997.	2.2	5
52	The Pelvic Incidence Stratified Sagittal Spinopelvic Alignment in Asymptomatic Chinese Population With Different Age Groups. <i>Global Spine Journal</i> , 2022, 12, 1821-1826.	2.3	5
53	Radiographic and clinical features of thoracic disk disease associated with myelopathy: a retrospective analysis of 257 cases. <i>European Spine Journal</i> , 2021, 30, 2211-2220.	2.2	5
54	Characteristics of the DXA Measurements in Patients Undergoing Lumbar Fusion for Lumbar Degenerative Diseases: A Retrospective Analysis of Over 1000 Patients. <i>Clinical Interventions in Aging</i> , 2021, Volume 16, 1131-1137.	2.9	5

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55	Correlation between lordosis distribution index, lordosis tilt, and occurrence of proximal junctional kyphosis following surgery for adult degenerative scoliosis. <i>European Spine Journal</i> , 2022, 31, 267-274.	2.2	5
56	Collaborative spinal robot system for laminectomy: a preliminary study. <i>Neurosurgical Focus</i> , 2022, 52, E11.	2.3	5
57	The relationship between S1 screw loosening and postoperative outcome in patients with degenerative lumbar scoliosis. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 186.	1.9	5
58	A new "code-tension"-guided surgical strategy for multilevel ossification of posterior longitudinal ligament in thoracic spine: a prospective observational study with at least 3-year follow-up. <i>Spine Journal</i> , 2022, 22, 1388-1398.	1.3	5
59	Fat infiltration of paraspinal muscles as an independent risk for bone nonunion after posterior lumbar interbody fusion. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 232.	1.9	5
60	Relationships between Paraspinal Muscle and Spinopelvic Sagittal Balance in Patients with Lumbar Spinal Stenosis. <i>Orthopaedic Surgery</i> , 2022, 14, 1093-1099.	1.8	5
61	A novel fluoroscopy-based robot system for pedicle screw fixation surgery. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2020, 16, 1-8.	2.3	4
62	Proximal Fusion Level Above First Coronal Reverse Vertebrae: An Essential Factor Decreasing the Risk of Adjacent Segment Degeneration in Degenerative Lumbar Scoliosis. <i>Global Spine Journal</i> , 2023, 13, 149-155.	2.3	4
63	Evaluation of lumbar stiffness after long-level fusion for degenerative lumbar scoliosis via a chinese version of the lumbar stiffness disability index. <i>Spine Journal</i> , 2021, 21, 1881-1889.	1.3	4
64	Paraspinal Muscle Degeneration as an Independent Risk for Loss of Local Alignment in Degenerative Lumbar Scoliosis Patients After Corrective Surgery. <i>Global Spine Journal</i> , 2023, 13, 1186-1193.	2.3	4
65	Polymicrobial and Monomicrobial Infections after Spinal Surgery: A Retrospective Study to Determine which Infection is more Severe. <i>Asian Spine Journal</i> , 2017, 11, 427-436.	2.0	4
66	Variations of Sagittal Alignment in Standing Versus Sitting Positions Under the Roussouly Classification in Asymptomatic Subjects. <i>Global Spine Journal</i> , 2022, 12, 772-779.	2.3	3
67	Unplanned hospital readmission after surgical treatment for thoracic spinal stenosis: incidence and causative factors. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 93.	1.9	3
68	Pharmacological Mechanism of Danggui-Sini Formula for Intervertebral Disc Degeneration: A Network Pharmacology Study. <i>BioMed Research International</i> , 2021, 2021, 1-12.	1.9	3
69	Evaluation of Adjacent Segment With Pre-Existing Degeneration Using the Cerebrospinal Fluid Occlusion Sign on MRI Before Posterior Lumbar Fusion: A Multi-Center Observational Cohort Study. <i>Global Spine Journal</i> , 2023, 13, 745-751.	2.3	2
70	Evaluating the Reproducibility of the Walking Test for Intermittent Claudication Associated with Lumbar Spinal Stenosis. <i>Asian Spine Journal</i> , 2021, , .	2.0	2
71	Which Global Sagittal Parameter Could Most Effectively Predict the Surgical Outcome for Patients With Adult Degenerative Scoliosis?. <i>Global Spine Journal</i> , 2021, , 219256822110434.	2.3	2
72	Herbal Formula Modified Bu-Shen-Huo-Xue Decoction Attenuates Intervertebral Disc Degeneration via Regulating Inflammation and Oxidative Stress. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-12.	1.2	2

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73	Decompression alone versus decompression with instrumented fusion for young patients with single-level lumbar disc herniation: a short-term prospective comparative study. Chinese Medical Journal, 2014, 127, 2037-42.	2.3	2
74	Prospective study of preoperative autologous blood donation for patients with high risk of allogeneic blood transfusion in lumbar fusion surgery: a study protocol of a randomised controlled trial. BMJ Open, 2022, 12, e053846.	1.9	2
75	Age-Dependent Differences of Paraspinal Muscle Endurance and Morphology in Chinese Community Population Without Chronic Low Back Pain. Global Spine Journal, 2022, , 219256822211035.	2.3	2
76	A targeting method for robot-assisted percutaneous needle placement under fluoroscopy guidance. Computer Assisted Surgery, 2019, , 1-9.	1.3	1
77	Cervical sagittal alignment in adolescent high dysplastic developmental spondylolisthesis: how does the cervical spine respond to the reduction of spondylolisthesis?. Journal of Orthopaedic Surgery and Research, 2020, 15, 243.	2.3	1
78	Cost-Benefit Analysis of Using A Single Dose of Tranexamic Acid in Degenerative Lumbar Scoliosis Patients Undergoing Long-Segment Spinal Fusion Surgery: A Retrospective Study. Medical Science Monitor, 2021, 27, e930352.	1.1	1
79	Pseudomeningocele—a rare complication following thoracic spinal decompression surgery: clinical features, treatment guidelines, technical notes, and evaluation of results. International Orthopaedics, 2021, 45, 2609-2618.	1.9	1
80	Postoperative alterations of sagittal cervical alignment and risk factors for cervical kyphosis in 124 Lenke 1 adolescent idiopathic scoliosis patients. BMC Musculoskeletal Disorders, 2021, 22, 1001.	1.9	1
81	Long-Term Follow-Up of Multilevel Thoracic Ossification of the Posterior Longitudinal Ligament Following Circumferential Decompression via Posterior Approach: A Retrospective Study. Orthopaedic Surgery, 2021, , .	1.8	1
82	Novel cross LSTM for predicting the changes of complementary pelvic angles between standing and sitting. Journal of Biomedical Informatics, 2022, 128, 104036.	4.3	1
83	Multilevel extended posterior column osteotomy plus unilateral cage strutting for degenerative lumbar kyphoscoliosis. International Orthopaedics, 2020, 44, 1375-1383.	1.9	0
84	Comparison between two types of "Scheuermann disease-like people": thoracolumbar disc herniation patients and healthy volunteers with radiological signs of Scheuermann's disease. Chinese Medical Journal, 2014, 127, 3862-6.	2.3	0
85	Risk Factors and Three Radiological Predictor Models for the Progression of Proximal Junctional Kyphosis in Adult Degenerative Scoliosis Following Posterior Corrective Surgery: 113 Cases With 2-years Minimum Follow-Up. Global Spine Journal, 2022, , 219256822210797.	2.3	0
86	Scoliosis in dysplastic spondylolisthesis: a clinical survey of 50 young patients. BMC Musculoskeletal Disorders, 2022, 23, 335.	1.9	0