

Zhong-Hai Li

List of Publications by Year in descending order

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55
papers

1,080
citations

394390

19
h-index

501174

28
g-index

64
all docs

64
docs citations

64
times ranked

995
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of stem cells in the repair of intervertebral disc degeneration. <i>Stem Cell Research and Therapy</i> , 2022, 13, 70.	5.5	30
2	Periosteum and development of the tissue-engineered periosteum for guided bone regeneration. <i>Journal of Orthopaedic Translation</i> , 2022, 33, 41-54.	3.9	58
3	Can Manganese Dioxide Microspheres be Used as Intermediaries to Alleviate Intervertebral Disc Degeneration With Strengthening Drugs?. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 866290.	4.1	2
4	Clinical applications and prospects of 3D printing guide templates in orthopaedics. <i>Journal of Orthopaedic Translation</i> , 2022, 34, 22-41.	3.9	25
5	Efficacy, safety, and physicochemical properties of a flowable hemostatic agent made from absorbable gelatin sponge via vacuum pressure steam sterilization. <i>Journal of Biomaterials Applications</i> , 2021, 35, 776-789.	2.4	12
6	A biomechanical analysis of four anterior cervical techniques to treating multilevel cervical spondylotic myelopathy: a finite element study. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 278.	1.9	12
7	The construction of a novel xenograft bovine bone scaffold, (DSS)6-liposome/CKIP-1 siRNA/calcine bone and its osteogenesis evaluation on skull defect in rats. <i>Journal of Orthopaedic Translation</i> , 2021, 28, 74-82.	3.9	13
8	The biomechanical influence of facet joint parameters on corresponding segment in the lumbar spine: a new visualization method. <i>Spine Journal</i> , 2021, 21, 2112-2121.	1.3	15
9	Stress distribution of different lumbar posterior pedicle screw insertion techniques: a combination study of finite element analysis and biomechanical test. <i>Scientific Reports</i> , 2021, 11, 12968.	3.3	11
10	Bone induction and defect repair by true bone ceramics incorporated with rhBMP-2 and Sr. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 107.	3.6	6
11	The Dual Effect of Abnormal Serum Uric Acid on Intervertebral Disc Degeneration. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-9.	4.0	3
12	Does the Preoperative Depression Affect Clinical Outcomes in Adults With Following Lumbar Fusion?. <i>Clinical Spine Surgery</i> , 2021, 34, E194-E199.	1.3	13
13	Comparison of SBâ€¦SDS and other decellularization methods for the acellular nerve graft: Biological evaluation and nerve repair in vitro and in vivo. <i>Synapse</i> , 2020, 74, e22143.	1.2	5
14	Hidden blood loss and its possible risk factors in minimally invasive transforaminal lumbar interbody fusion. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 445.	2.3	33
15	Effect of Platelet-Rich Plasma on Intervertebral Disc Degeneration In Vivo and In Vitro: A Critical Review. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-10.	4.0	25
16	Are facet joint parameters risk factors for recurrent lumbar disc herniation? A pilot study in a Chinese population. <i>Journal of Clinical Neuroscience</i> , 2020, 77, 36-40.	1.5	12
17	Synergy effect of Sr and rhBMP-2: A potential solution to osteolysis caused by rhBMP-2. <i>Medical Hypotheses</i> , 2020, 144, 109895.	1.5	3
18	Does hyperuricemia correlate with intervertebral disc degeneration?. <i>Medical Hypotheses</i> , 2020, 140, 109673.	1.5	4

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19	Design and application of a novel patient-specific 3D printed drill navigational guiding template in percutaneous thoracolumbar pedicle screw fixation: A cadaveric study. <i>Journal of Clinical Neuroscience</i> , 2020, 73, 294-298.	1.5	10
20	Temporal and spatial expression of Sox9, Pax1, TGF- β 1 and type I and II collagen in human intervertebral disc development. <i>Neurochirurgie</i> , 2020, 66, 168-173.	1.2	4
21	Facet joint parameters which may act as risk factors for chronic low back pain. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 185.	2.3	13
22	Incidence, Prevalence, and Analysis of Risk Factors for Surgical Site Infection After Lumbar Fusion Surgery: a 2-Year Follow-Up Retrospective Study. <i>World Neurosurgery</i> , 2019, 131, e460-e467.	1.3	26
23	Comparison of the Effectiveness of Radiofrequency Neurotomy and Endoscopic Neurotomy of Lumbar Medial Branch for Facetogenic Chronic Low Back Pain: A Randomized Controlled Trial. <i>World Neurosurgery</i> , 2019, 126, e109-e115.	1.3	7
24	Motion analysis of dynamic cervical implant stabilization versus anterior discectomy and fusion: a retrospective analysis of 70 cases. <i>European Spine Journal</i> , 2018, 27, 2772-2780.	2.2	15
25	Clinical Characteristics and Risk Factors of Recurrent Lumbar Disk Herniation. <i>Spine</i> , 2018, 43, 1463-1469.	2.0	52
26	A Comparison of Multilevel Anterior Cervical Discectomy and Corpectomy in Patients With 4-level Cervical Spondylotic Myelopathy: a Minimum 2-year Follow-up Study. <i>Clinical Spine Surgery</i> , 2017, 30, E540-E546.	1.3	36
27	A new zero-profile, stand-alone Fidji cervical cage for the treatment of the single and multilevel cervical degenerative disc disease. <i>Journal of Clinical Neuroscience</i> , 2017, 41, 115-122.	1.5	5
28	Comparison of Three Reconstructive Techniques in the Surgical Management of Patients With Four-Level Cervical Spondylotic Myelopathy. <i>Spine</i> , 2017, 42, E575-E583.	2.0	22
29	Risk factors and the surgery affection of respiratory complication and its mortality after acute traumatic cervical spinal cord injury. <i>Medicine (United States)</i> , 2017, 96, e7887.	1.0	16
30	Correlation between high-intensity zone on MRI and discography in patients with low back pain. <i>Medicine (United States)</i> , 2017, 96, e7222.	1.0	16
31	Irradiation Sterilized Gelatin-Water-Glycerol Ternary Gel as an Injectable Carrier for Bone Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2017, 6, 1600749.	7.6	6
32	A comparison of a new zero-profile, stand-alone Fidji cervical cage and anterior cervical plate for single and multilevel ACDF: a minimum 2-year follow-up study. <i>European Spine Journal</i> , 2017, 26, 1129-1139.	2.2	60
33	Mechanical stress affects the osteogenic differentiation of human ligamentum flavum cells via the BMP-Smad1 signaling pathway. <i>Molecular Medicine Reports</i> , 2017, 16, 7692-7698.	2.4	15
34	Use of polyvinylpyrrolidone-iodine solution for sterilisation and preservation improves mechanical properties and osteogenesis of allografts. <i>Scientific Reports</i> , 2016, 6, 38669.	3.3	8
35	Properties and Osteogenicity of Two Calcium Sulfate Materials with Micro or Nano Morphology. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 2277-2282.	0.9	9
36	Clinical characteristics and surgical outcome of thoracic myelopathy caused by ossification of the ligamentum flavum: a retrospective analysis of 85 cases. <i>Spinal Cord</i> , 2016, 54, 188-196.	1.9	54

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37	A morphometric study of the lumbar spinous process in the Chinese population. <i>Brazilian Journal of Medical and Biological Research</i> , 2015, 48, 91-95.	1.5	4
38	Comparison of Two Reconstructive Techniques in the Surgical Management of Four-Level Cervical Spondylotic Myelopathy. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	4
39	Four-year follow-up results of transforaminal lumbar interbody fusion as revision surgery for recurrent lumbar disc herniation after conventional discectomy. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 331-337.	1.5	30
40	Anterior discectomy/corpectomy and fusion with internal fixation for the treatment of unstable hangman's fractures: a retrospective study of 38 cases. <i>Journal of Neurosurgery: Spine</i> , 2015, 22, 387-393.	1.7	23
41	Repair, protection and regeneration of spinal cord injury. <i>Neural Regeneration Research</i> , 2015, 10, 1953.	3.0	21
42	Clinical and radiologic comparison of dynamic cervical implant arthroplasty versus anterior cervical discectomy and fusion for the treatment of cervical degenerative disc disease. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 942-948.	1.5	33
43	Segmental anterior cervical corpectomy and fusion with preservation of middle vertebrae in the surgical management of 4-level cervical spondylotic myelopathy. <i>European Spine Journal</i> , 2014, 23, 1472-1479.	2.2	19
44	The treatment of mild cervical spondylotic myelopathy with increased signal intensity on T2-weighted magnetic resonance imaging. <i>Spinal Cord</i> , 2014, 52, 348-353.	1.9	13
45	Two-year follow-up results of the Isobar TTL Semi-Rigid Rod System for the treatment of lumbar degenerative disease. <i>Journal of Clinical Neuroscience</i> , 2013, 20, 394-399.	1.5	37
46	Surgical Management of 4-level Cervical Spondylotic Myelopathy. <i>Orthopedics</i> , 2013, 36, e613-20.	1.1	11
47	Clinical Features and Surgical Management of Spinal Osteoblastoma: A Retrospective Study in 18 Cases. <i>PLoS ONE</i> , 2013, 8, e74635.	2.5	19
48	Outcome of posterior lumbar interbody fusion versus posterolateral fusion in lumbar degenerative disease. <i>Journal of Clinical Neuroscience</i> , 2011, 18, 780-783.	1.5	28
49	Surgical treatment of recurrent lumbar disc herniation by transforaminal lumbar interbody fusion. <i>International Orthopaedics</i> , 2009, 33, 197-201.	1.9	69
50	Posterior C1 lateral mass and C2 pedicle screw internal fixation for atlantoaxial instability. <i>Journal of Clinical Neuroscience</i> , 2009, 16, 1592-1594.	1.5	28
51	Surgical treatment of adult degenerative spondylolisthesis by instrumented transforaminal lumbar interbody fusion in the Han nationality. <i>Journal of Neurosurgery: Spine</i> , 2009, 10, 496-499.	1.7	25
52	Influence of self-designed three-dimensional woven scaffolds on <i>in vitro</i> growth of Schwann cells and its <i>in vivo</i> degradation. <i>Academic Journal of Second Military Medical University</i> , 2009, 29, 1186-1190.	0.0	0
53	The treatment for multilevel noncontiguous spinal fractures. <i>International Orthopaedics</i> , 2007, 31, 647-652.	1.9	11
54	Towards a shape-performance integrated digital twin for lumbar spine analysis. <i>Digital Twin</i> , 0, 1, 8.	0.0	17

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55	The Digital Twin in Medicine: A Key to the Future of Healthcare?. Frontiers in Medicine, 0, 9, .	2.6	31