Zhewei Ye

List of Publications by Year
in descending order

80	2,496	218677	243625
papers	citations	26 h-index	44 g-index

91	91	91	2151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Clinical Outcomes of Uniportal and Biportal Lumbar Endoscopic Unilateral Laminotomy for Bilateral Decompression in Patients with Lumbar Spinal Stenosis: A Retrospective Pair-Matched Case-Control Study. World Neurosurgery, 2022, 161, e134-e145.	1.3	17
2	Cytosolic escape of mitochondrial DNA triggers cGAS-STING-NLRP3 axis-dependent nucleus pulposus cell pyroptosis. Experimental and Molecular Medicine, 2022, 54, 129-142.	7.7	94
3	Applications of Mixed Reality Technology in Orthopedics Surgery: A Pilot Study. Frontiers in Bioengineering and Biotechnology, 2022, 10, 740507.	4.1	24
4	m6A hypomethylation of DNMT3B regulated by ALKBH5 promotes intervertebral disc degeneration via E4F1 deficiency. Clinical and Translational Medicine, 2022, 12, e765.	4.0	27
5	WTAP-mediated m6A modification of lncRNA NORAD promotes intervertebral disc degeneration. Nature Communications, 2022, 13, 1469.	12.8	55
6	Comparison of the Clinical Outcomes of Fullâ€Endoscopic Visualized Foraminoplasty and Discectomy Versus Microdiscectomy for Lumbar Disc Herniation. Orthopaedic Surgery, 2022, 14, 280-289.	1.8	4
7	Operative treatment outcomes of anterior sternoclavicular joint dislocation using two experimental methods - an acromioclavicular joint hook plate versus a locking plate: a retrospective study. BMC Musculoskeletal Disorders, 2022, 23, 350.	1.9	1
8	Adjacent segment degeneration and spinal cord compression in rigid angular kyphosis of spinal tuberculosis and its intraoperative management strategy. Journal of Spinal Cord Medicine, 2021, 44, 375-382.	1.4	3
9	Acidâ€sensing ion channels regulate nucleus pulposus cell inflammation and pyroptosis via the NLRP3 inflammasome in intervertebral disc degeneration. Cell Proliferation, 2021, 54, e12941.	5.3	105
10	An in vivo study of the effect of c-Jun on intervertebral disc degeneration in rats. Bioengineered, 2021, 12, 4320-4330.	3.2	10
11	Mechanosensitive Ion Channel Piezo1 Activated by Matrix Stiffness Regulates Oxidative Stress-Induced Senescence and Apoptosis in Human Intervertebral Disc Degeneration. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-13.	4.0	38
12	Ferroportin-Dependent Iron Homeostasis Protects against Oxidative Stress-Induced Nucleus Pulposus Cell Ferroptosis and Ameliorates Intervertebral Disc Degeneration In Vivo. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-18.	4.0	72
13	Applications of Blockchain in the Medical Field: Narrative Review. Journal of Medical Internet Research, 2021, 23, e28613.	4.3	27
14	Mixed reality assists the fight against COVID-19. Intelligent Medicine, 2021, 1, 16-18.	3.1	5
15	Autophagic Degradation of Gasdermin D Protects against Nucleus Pulposus Cell Pyroptosis and Retards Intervertebral Disc Degeneration In Vivo. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-22.	4.0	34
16	Autophagy-Based Unconventional Secretory for AIM2 Inflammasome Drives DNA Damage Resistance During Intervertebral Disc Degeneration. Frontiers in Cell and Developmental Biology, 2021, 9, 672847.	3.7	5
17	Metformin facilitates mesenchymal stem cell-derived extracellular nanovesicles release and optimizes therapeutic efficacy in intervertebral disc degeneration. Biomaterials, 2021, 274, 120850.	11.4	67
18	Biomechanical Evaluation of Different Surgical Approaches for the Treatment of Adjacent Segment Diseases After Primary Anterior Cervical Discectomy and Fusion: A Finite Element Analysis. Frontiers in Bioengineering and Biotechnology, 2021, 9, 718996.	4.1	9

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19	A 3D Hologram With Mixed Reality Techniques to Improve Understanding of Pulmonary Lesions Caused by COVID-19: Randomized Controlled Trial. Journal of Medical Internet Research, 2021, 23, e24081.	4.3	5
20	The distinct roles of myosin IIA and IIB under compression stress in nucleus pulposus cells. Cell Proliferation, 2021, 54, e12987.	5.3	13
21	Mesenchymal Stem Cell-Derived Exosomes as a Novel Strategy for the Treatment of Intervertebral Disc Degeneration. Frontiers in Cell and Developmental Biology, 2021, 9, 770510.	3.7	6
22	Icariin protects human nucleus pulposus cells from hydrogen peroxide-induced mitochondria-mediated apoptosis by activating nuclear factor erythroid 2-related factor 2. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165575.	3.8	37
23	Expression and methylation levels of suppressor of cytokine signaling 3 in rheumatic arthritis synovial fibroblasts. Experimental and Molecular Pathology, 2020, 113, 104361.	2.1	3
24	Combating COVID-19â€"How Can AR Telemedicine Help Doctors More Effectively Implement Clinical Work. Journal of Medical Systems, 2020, 44, 141.	3.6	6
25	Comparison of lumbar endoscopic unilateral laminotomy bilateral decompression and minimally invasive surgery transforaminal lumbar interbody fusion for one-level lumbar spinal stenosis. BMC Musculoskeletal Disorders, 2020, 21, 785.	1.9	16
26	Spinal surgery and related management on patients with COVID-19: experience of a regional medical centre in Wuhan. Bone & Joint Open, 2020, 1, 88-92.	2.6	3
27	Work characteristics of orthopaedic surgeons during the COVID-19 pandemic: A single center analysis. Perioperative Care and Operating Room Management, 2020, 20, 100127.	0.3	1
28	Allicin Attenuated Advanced Oxidation Protein Product-Induced Oxidative Stress and Mitochondrial Apoptosis in Human Nucleus Pulposus Cells. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-17.	4.0	28
29	Spinal surgery and related management on patients with COVID-19: experience of a regional medical centre in Wuhan. Bone & Joint Open, 2020, 1, 88-92.	2.6	1
30	Bone-derived mesenchymal stem cells alleviate compression-induced apoptosis of nucleus pulposus cells by N6 methyladenosine of autophagy. Cell Death and Disease, 2020, 11, 103.	6.3	35
31	Amyloid protein aggregation in diabetes mellitus accelerate intervertebral disc degeneration. Medical Hypotheses, 2020, 141, 109739.	1.5	7
32	Comparison of Clinical Outcomes Following Lumbar Endoscopic Unilateral Laminotomy Bilateral Decompression and Minimally Invasive Transforaminal Lumbar Interbody Fusion for One-Level Lumbar Spinal Stenosis With Degenerative Spondylolisthesis. Frontiers in Surgery, 2020, 7, 596327.	1.4	8
33	Wearable Health Devices in Health Care: Narrative Systematic Review. JMIR MHealth and UHealth, 2020, 8, e18907.	3.7	230
34	The câ€'Jun signaling pathway has a protective effect on nucleus pulposus cells in patients with intervertebral disc degeneration. Experimental and Therapeutic Medicine, 2020, 20, 1-1.	1.8	6
35	Mixed reality breathes fresh energy into the development of modern surgery. Global Health Journal (Amsterdam, Netherlands), 2019, 3, 60-61.	3.6	1
36	Feasibility of mixed realityâ€"based intraoperative three-dimensional image-guided navigation for atlanto-axial pedicle screw placement. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2019, 233, 1310-1317.	1.8	11

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37	Long non-coding RNA HOTAIR modulates intervertebral disc degenerative changes via Wnt/Î²-catenin pathway. Arthritis Research and Therapy, 2019, 21, 201.	3.5	58
38	Targeting the IL-1Î²/IL-1Ra pathways for the aggregation of human islet amyloid polypeptide in an ex vivo organ culture system of the intervertebral disc. Experimental and Molecular Medicine, 2019, 51, 1-16.	7.7	26
39	Transpedicular Wedge Resection Osteotomy of the Apical Vertebrae forÂthe Treatment of Severe and Rigid Thoracic Kyphoscoliosis: AÂRetrospective Study of 26 Cases. Spine Deformity, 2019, 7, 338-345.	1.5	8
40	Angiopoietinâ€like protein 8 expression and association with extracellular matrix metabolism and inflammation during intervertebral disc degeneration. Journal of Cellular and Molecular Medicine, 2019, 23, 5737-5750.	3.6	43
41	Exosomes from mesenchymal stem cells modulate endoplasmic reticulum stress to protect against nucleus pulposus cell death and ameliorate intervertebral disc degeneration in vivo. Theranostics, 2019, 9, 4084-4100.	10.0	256
42	TNF-Î± Regulates ITGÎ²1 and SYND4 Expression in Nucleus Pulposus Cells: Activation of FAK/PI3K Signaling. Inflammation, 2019, 42, 1575-1584.	3.8	9
43	Diagnosis and Management of Intraspinal Tuberculoma with Giant Paraspinal Abscesses. World Neurosurgery, 2019, 127, 481-484.	1.3	1
44	Berberine prevents human nucleus pulposus cells from ILâ€1Î²â€induced extracellular matrix degradation and apoptosis by inhibiting the NFâ€ÎºB pathway. International Journal of Molecular Medicine, 2019, 43, 1679-1686.	4.0	53
45	Development and prospects of digital orthopedics in Hubei province. Global Health Journal (Amsterdam, Netherlands), 2019, 3, 94-97.	3.6	0
46	Fibronectin induced ITGÎ²1/FAKâ€dependent apoptotic pathways determines the fate of degenerative NP cells. Journal of Orthopaedic Research, 2019, 37, 439-448.	2.3	4
47	Sestrin-Mediated Inhibition of Stress-Induced Intervertebral Disc Degradation Through the Enhancement of Autophagy. Cellular Physiology and Biochemistry, 2018, 45, 1940-1954.	1.6	9
48	Pramlintide regulation of extracellular matrix (ECM) and apoptosis through mitochondrial-dependent pathways in human nucleus pulposus cells. International Journal of Immunopathology and Pharmacology, 2018, 31, 039463201774750.	2.1	13
49	Mixed Reality Technologyâ€“Assisted Orthopedics Surgery Navigation. Surgical Innovation, 2018, 25, 304-305.	0.9	24
50	Halofuginone attenuates intervertebral discs degeneration by suppressing collagen I production and inactivating TGFÎ² and NF-ÐºB pathway. Biomedicine and Pharmacotherapy, 2018, 101, 745-753.	5.6	12
51	Surgical strategies for the treatment of os odontoideum with atlantoaxial dislocation. Journal of Neurosurgery: Spine, 2018, 28, 131-139.	1.7	17
52	Angiopoietin-2 promotes extracellular matrix degradation in human degenerative nucleus pulposus cells. International Journal of Molecular Medicine, 2018, 41, 3551-3558.	4.0	14
53	Incidence and risk factors of neurological complications during posterior vertebral column resection to correct severe post-tubercular kyphosis with late-onset neurological deficits: case series and review of the literature. Journal of Orthopaedic Surgery and Research, 2018, 13, 269.	2.3	9
54	The involvement of regulated in development and DNA damage response 1 (REDD1) in the pathogenesis of intervertebral disc degeneration. Experimental Cell Research, 2018, 372, 188-197.	2.6	7

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55	Sirtuin 3-dependent mitochondrial redox homeostasis protects against AGEs-induced intervertebral disc degeneration. Redox Biology, 2018, 19, 339-353.	9.0	122
56	Mixed Reality Technology Launches in Orthopedic Surgery for Comprehensive Preoperative Management of Complicated Cervical Fractures. Surgical Innovation, 2018, 25, 421-422.	0.9	27
57	Autophagy attenuates compression-induced apoptosis of human nucleus pulposus cells via MEK/ERK/NRF1/Atg7 signaling pathways during intervertebral disc degeneration. Experimental Cell Research, 2018, 370, 87-97.	2.6	34
58	Icariin Attenuates Interleukin-1Î²-Induced Inflammatory Response in Human Nucleus Pulposus Cells. Current Pharmaceutical Design, 2018, 23, 6071-6078.	1.9	37
59	IAPP modulates cellular autophagy, apoptosis, and extracellular matrix metabolism in human intervertebral disc cells. Cell Death Discovery, 2017, 3, 16107.	4.7	36
60	Advanced glycation end products regulate anabolic and catabolic activities via NLRP3â€inflammasome activation in human nucleus pulposus cells. Journal of Cellular and Molecular Medicine, 2017, 21, 1373-1387.	3.6	98
61	Simvastatin Inhibits IL-1Î²-Induced Apoptosis and Extracellular Matrix Degradation by Suppressing the NF-κB and MAPK Pathways in Nucleus Pulposus Cells. Inflammation, 2017, 40, 725-734.	3.8	69
62	The role of angiopoietin-2 in nucleus pulposus cells during human intervertebral disc degeneration. Laboratory Investigation, 2017, 97, 971-982.	3.7	16
63	Down-regulation of islet amyloid polypeptide expression induces death of human annulus fibrosus cells via mitochondrial and death receptor pathways. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1479-1491.	3.8	12
64	Deviation analysis for C1/2 pedicle screw placement using a three-dimensional printed drilling guide. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2017, 231, 547-554.	1.8	12
65	The noncoding RNA linc-ADAMTS5 cooperates with RREB1 to protect from intervertebral disc degeneration through inhibiting ADAMTS5 expression. Clinical Science, 2017, 131, 965-979.	4.3	34
66	Epigenetic silencing of miRNA-143 regulates apoptosis by targeting BCL2 in human intervertebral disc degeneration. Gene, 2017, 628, 259-266.	2.2	45
67	MicroRNA-132 upregulation promotes matrix degradation in intervertebral disc degeneration. Experimental Cell Research, 2017, 359, 39-49.	2.6	55
68	Methylation of microRNA-129-5P modulates nucleus pulposus cell autophagy by targeting Beclin-1 in intervertebral disc degeneration. Oncotarget, 2017, 8, 86264-86276.	1.8	31
69	The Involvement of Protease Nexin-1 (PN1) in the Pathogenesis of Intervertebral Disc (IVD) Degeneration. Scientific Reports, 2016, 6, 30563.	3.3	25
70	TNF-a mediated inflammatory macrophage polarization contributes to the pathogenesis of steroid-induced osteonecrosis in mice. International Journal of Immunopathology and Pharmacology, 2015, 28, 351-361.	2.1	91
71	Outcomes of arthroscopic arthrolysis for the post-traumatic elbow stiffness. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 2715-2720.	4.2	45
72	Functional outcome of limbâ€salvage surgery with shoulder abduction brace for bone tumors around the shoulders. Journal of Surgical Oncology, 2014, 109, 714-720.	1.7	1

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73	HtrA1 is upregulated during RANKLâ€induced osteoclastogenesis, and negatively regulates osteoblast differentiation and BMP2â€induced Smad1/5/8, ERK and p38 phosphorylation. FEBS Letters, 2014, 588, 143-150.	2.8	30
74	Association between interleukin 8 â^'251 A/T and +781 C/T polymorphisms and osteoarthritis risk. Immunology Letters, 2014, 162, 207-211.	2.5	13
75	G-CSF/SCF exert beneficial effects via anti-apoptosis in rabbits with steroid-associated osteonecrosis. Experimental and Molecular Pathology, 2013, 94, 247-254.	2.1	13
76	Regulation of differentiation in trabecular bone-derived mesenchymal stem cells by T cell activation and inflammation. Oncology Reports, 2013, 30, 2211-2219.	2.6	13
77	Comparative Intermediate and Long-term Results of Pedicle Screw and Hook Instrumentation in Posterior Correction and Fusion of Idiopathic Thoracic Scoliosis. Journal of Spinal Disorders and Techniques, 2010, 23, 467-473.	1.9	19
78	Experimental osteonecrosis induced by a combination of low-dose lipopolysaccharide and high-dose methylprednisolone in rabbits. Joint Bone Spine, 2008, 75, 573-578.	1.6	21
79	A Combination of Granulocyte Colony-Stimulating Factor and Stem Cell Factor Ameliorates Steroid-Associated Osteonecrosis in Rabbits. Journal of Rheumatology, 2008, 35, 2241-2248.	2.0	16
80	Expression of mouse telomerase catalytic subunit mTERT gene in testis of SD rats and its significance. Journal of Huazhong University of Science and Technology [Medical Sciences], 2003, 23, 288-290.	1.0	0