

Zhewei Ye

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,496
citations

218677

26
h-index

243625

44
g-index

91
all docs

91
docs citations

91
times ranked

2151
citing authors

#	ARTICLE	IF	CITATIONS
1	Exosomes from mesenchymal stem cells modulate endoplasmic reticulum stress to protect against nucleus pulposus cell death and ameliorate intervertebral disc degeneration in vivo. <i>Theranostics</i> , 2019, 9, 4084-4100.	10.0	256
2	Wearable Health Devices in Health Care: Narrative Systematic Review. <i>JMIR MHealth and UHealth</i> , 2020, 8, e18907.	3.7	230
3	Sirtuin 3-dependent mitochondrial redox homeostasis protects against AGEs-induced intervertebral disc degeneration. <i>Redox Biology</i> , 2018, 19, 339-353.	9.0	122
4	Acid-sensing ion channels regulate nucleus pulposus cell inflammation and pyroptosis via the NLRP3 inflammasome in intervertebral disc degeneration. <i>Cell Proliferation</i> , 2021, 54, e12941.	5.3	105
5	Advanced glycation end products regulate anabolic and catabolic activities via NLRP3 inflammasome activation in human nucleus pulposus cells. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 1373-1387.	3.6	98
6	Cytosolic escape of mitochondrial DNA triggers cGAS-STING-NLRP3 axis-dependent nucleus pulposus cell pyroptosis. <i>Experimental and Molecular Medicine</i> , 2022, 54, 129-142.	7.7	94
7	TNF- α mediated inflammatory macrophage polarization contributes to the pathogenesis of steroid-induced osteonecrosis in mice. <i>International Journal of Immunopathology and Pharmacology</i> , 2015, 28, 351-361.	2.1	91
8	Ferroportin-Dependent Iron Homeostasis Protects against Oxidative Stress-Induced Nucleus Pulposus Cell Ferroptosis and Ameliorates Intervertebral Disc Degeneration In Vivo. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-18.	4.0	72
9	Simvastatin Inhibits IL-1 β -Induced Apoptosis and Extracellular Matrix Degradation by Suppressing the NF- κ B and MAPK Pathways in Nucleus Pulposus Cells. <i>Inflammation</i> , 2017, 40, 725-734.	3.8	69
10	Metformin facilitates mesenchymal stem cell-derived extracellular nanovesicles release and optimizes therapeutic efficacy in intervertebral disc degeneration. <i>Biomaterials</i> , 2021, 274, 120850.	11.4	67
11	Long non-coding RNA HOTAIR modulates intervertebral disc degenerative changes via Wnt/ β -catenin pathway. <i>Arthritis Research and Therapy</i> , 2019, 21, 201.	3.5	58
12	MicroRNA-132 upregulation promotes matrix degradation in intervertebral disc degeneration. <i>Experimental Cell Research</i> , 2017, 359, 39-49.	2.6	55
13	WTAP-mediated m6A modification of lncRNA NORAD promotes intervertebral disc degeneration. <i>Nature Communications</i> , 2022, 13, 1469.	12.8	55
14	Berberine prevents human nucleus pulposus cells from IL-1 β -induced extracellular matrix degradation and apoptosis by inhibiting the NF- κ B pathway. <i>International Journal of Molecular Medicine</i> , 2019, 43, 1679-1686.	4.0	53
15	Outcomes of arthroscopic arthrolysis for the post-traumatic elbow stiffness. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 2715-2720.	4.2	45
16	Epigenetic silencing of miRNA-143 regulates apoptosis by targeting BCL2 in human intervertebral disc degeneration. <i>Gene</i> , 2017, 628, 259-266.	2.2	45
17	Angiotensin-like protein 8 expression and association with extracellular matrix metabolism and inflammation during intervertebral disc degeneration. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 5737-5750.	3.6	43
18	Mechanosensitive Ion Channel Piezo1 Activated by Matrix Stiffness Regulates Oxidative Stress-Induced Senescence and Apoptosis in Human Intervertebral Disc Degeneration. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.	4.0	38

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19	Icariin protects human nucleus pulposus cells from hydrogen peroxide-induced mitochondria-mediated apoptosis by activating nuclear factor erythroid 2-related factor 2. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165575.	3.8	37
20	Icariin Attenuates Interleukin-1 β -Induced Inflammatory Response in Human Nucleus Pulposus Cells. <i>Current Pharmaceutical Design</i> , 2018, 23, 6071-6078.	1.9	37
21	IAPP modulates cellular autophagy, apoptosis, and extracellular matrix metabolism in human intervertebral disc cells. <i>Cell Death Discovery</i> , 2017, 3, 16107.	4.7	36
22	Bone-derived mesenchymal stem cells alleviate compression-induced apoptosis of nucleus pulposus cells by N6 methyladenosine of autophagy. <i>Cell Death and Disease</i> , 2020, 11, 103.	6.3	35
23	The noncoding RNA linc-ADAMTS5 cooperates with RREB1 to protect from intervertebral disc degeneration through inhibiting ADAMTS5 expression. <i>Clinical Science</i> , 2017, 131, 965-979.	4.3	34
24	Autophagy attenuates compression-induced apoptosis of human nucleus pulposus cells via MEK/ERK/NRF1/Atg7 signaling pathways during intervertebral disc degeneration. <i>Experimental Cell Research</i> , 2018, 370, 87-97.	2.6	34
25	Autophagic Degradation of Gasdermin D Protects against Nucleus Pulposus Cell Pyroptosis and Retards Intervertebral Disc Degeneration In Vivo. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-22.	4.0	34
26	Methylation of microRNA-129-5P modulates nucleus pulposus cell autophagy by targeting Beclin-1 in intervertebral disc degeneration. <i>Oncotarget</i> , 2017, 8, 86264-86276.	1.8	31
27	HtrA1 is upregulated during RANKL-induced osteoclastogenesis, and negatively regulates osteoblast differentiation and BMP2-induced Smad1/5/8, ERK and p38 phosphorylation. <i>FEBS Letters</i> , 2014, 588, 143-150.	2.8	30
28	Alliin Attenuated Advanced Oxidation Protein Product-Induced Oxidative Stress and Mitochondrial Apoptosis in Human Nucleus Pulposus Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-17.	4.0	28
29	Mixed Reality Technology Launches in Orthopedic Surgery for Comprehensive Preoperative Management of Complicated Cervical Fractures. <i>Surgical Innovation</i> , 2018, 25, 421-422.	0.9	27
30	Applications of Blockchain in the Medical Field: Narrative Review. <i>Journal of Medical Internet Research</i> , 2021, 23, e28613.	4.3	27
31	m6A hypomethylation of DNMT3B regulated by ALKBH5 promotes intervertebral disc degeneration via E4F1 deficiency. <i>Clinical and Translational Medicine</i> , 2022, 12, e765.	4.0	27
32	Targeting the IL-1 β /IL-1Ra pathways for the aggregation of human islet amyloid polypeptide in an ex vivo organ culture system of the intervertebral disc. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-16.	7.7	26
33	The Involvement of Protease Nexin-1 (PN1) in the Pathogenesis of Intervertebral Disc (IVD) Degeneration. <i>Scientific Reports</i> , 2016, 6, 30563.	3.3	25
34	Mixed Reality Technology-Assisted Orthopedics Surgery Navigation. <i>Surgical Innovation</i> , 2018, 25, 304-305.	0.9	24
35	Applications of Mixed Reality Technology in Orthopedics Surgery: A Pilot Study. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 740507.	4.1	24
36	Experimental osteonecrosis induced by a combination of low-dose lipopolysaccharide and high-dose methylprednisolone in rabbits. <i>Joint Bone Spine</i> , 2008, 75, 573-578.	1.6	21

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37	Comparative Intermediate and Long-term Results of Pedicle Screw and Hook Instrumentation in Posterior Correction and Fusion of Idiopathic Thoracic Scoliosis. <i>Journal of Spinal Disorders and Techniques</i> , 2010, 23, 467-473.	1.9	19
38	Surgical strategies for the treatment of os odontoideum with atlantoaxial dislocation. <i>Journal of Neurosurgery: Spine</i> , 2018, 28, 131-139.	1.7	17
39	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. <i>World Neurosurgery</i> , 2022, 161, e134-e145.	1.3	17
40	A Combination of Granulocyte Colony-Stimulating Factor and Stem Cell Factor Ameliorates Steroid-Associated Osteonecrosis in Rabbits. <i>Journal of Rheumatology</i> , 2008, 35, 2241-2248.	2.0	16
41	The role of angiopoietin-2 in nucleus pulposus cells during human intervertebral disc degeneration. <i>Laboratory Investigation</i> , 2017, 97, 971-982.	3.7	16
42	Comparison of lumbar endoscopic unilateral laminotomy bilateral decompression and minimally invasive surgery transforaminal lumbar interbody fusion for one-level lumbar spinal stenosis. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 785.	1.9	16
43	Angiopoietin-2 promotes extracellular matrix degradation in human degenerative nucleus pulposus cells. <i>International Journal of Molecular Medicine</i> , 2018, 41, 3551-3558.	4.0	14
44	G-CSF/SCF exert beneficial effects via anti-apoptosis in rabbits with steroid-associated osteonecrosis. <i>Experimental and Molecular Pathology</i> , 2013, 94, 247-254.	2.1	13
45	Regulation of differentiation in trabecular bone-derived mesenchymal stem cells by T cell activation and inflammation. <i>Oncology Reports</i> , 2013, 30, 2211-2219.	2.6	13
46	Association between interleukin 8 $\hat{\sim}$ 251 A/T and +781 C/T polymorphisms and osteoarthritis risk. <i>Immunology Letters</i> , 2014, 162, 207-211.	2.5	13
47	Pramlintide regulation of extracellular matrix (ECM) and apoptosis through mitochondrial-dependent pathways in human nucleus pulposus cells. <i>International Journal of Immunopathology and Pharmacology</i> , 2018, 31, 039463201774750.	2.1	13
48	The distinct roles of myosin IIA and IIB under compression stress in nucleus pulposus cells. <i>Cell Proliferation</i> , 2021, 54, e12987.	5.3	13
49	Down-regulation of islet amyloid polypeptide expression induces death of human annulus fibrosus cells via mitochondrial and death receptor pathways. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1479-1491.	3.8	12
50	Deviation analysis for C1/2 pedicle screw placement using a three-dimensional printed drilling guide. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2017, 231, 547-554.	1.8	12
51	Halofuginone attenuates intervertebral discs degeneration by suppressing collagen I production and inactivating TGF $\hat{\sim}$ 2 and NF- $\hat{\sim}$ B pathway. <i>Biomedicine and Pharmacotherapy</i> , 2018, 101, 745-753.	5.6	12
52	Feasibility of mixed reality-based intraoperative three-dimensional image-guided navigation for atlanto-axial pedicle screw placement. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2019, 233, 1310-1317.	1.8	11
53	An in vivo study of the effect of c-Jun on intervertebral disc degeneration in rats. <i>Bioengineered</i> , 2021, 12, 4320-4330.	3.2	10
54	Sestrin-Mediated Inhibition of Stress-Induced Intervertebral Disc Degradation Through the Enhancement of Autophagy. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 1940-1954.	1.6	9

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55	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. <i>Journal of Orthopaedic Surgery and Research</i> , 2018, 13, 269.	2.3	9
56	TNF- α Regulates ITG β 1 and SYND4 Expression in Nucleus Pulposus Cells: Activation of FAK/PI3K Signaling. <i>Inflammation</i> , 2019, 42, 1575-1584.	3.8	9
57	Biomechanical Evaluation of Different Surgical Approaches for the Treatment of Adjacent Segment Diseases After Primary Anterior Cervical Discectomy and Fusion: A Finite Element Analysis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 718996.	4.1	9
58	Transpedicular Wedge Resection Osteotomy of the Apical Vertebrae for the Treatment of Severe and Rigid Thoracic Kyphoscoliosis: A Retrospective Study of 26 Cases. <i>Spine Deformity</i> , 2019, 7, 338-345.	1.5	8
59	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. <i>Frontiers in Surgery</i> , 2020, 7, 596327.	1.4	8
60	The involvement of regulated in development and DNA damage response 1 (REDD1) in the pathogenesis of intervertebral disc degeneration. <i>Experimental Cell Research</i> , 2018, 372, 188-197.	2.6	7
61	Amyloid protein aggregation in diabetes mellitus accelerate intervertebral disc degeneration. <i>Medical Hypotheses</i> , 2020, 141, 109739.	1.5	7
62	Combating COVID-19—How Can AR Telemedicine Help Doctors More Effectively Implement Clinical Work. <i>Journal of Medical Systems</i> , 2020, 44, 141.	3.6	6
63	The c-Jun signaling pathway has a protective effect on nucleus pulposus cells in patients with intervertebral disc degeneration. <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 1-1.	1.8	6
64	Mesenchymal Stem Cell-Derived Exosomes as a Novel Strategy for the Treatment of Intervertebral Disc Degeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 770510.	3.7	6
65	Mixed reality assists the fight against COVID-19. <i>Intelligent Medicine</i> , 2021, 1, 16-18.	3.1	5
66	Autophagy-Based Unconventional Secretary for AIM2 Inflammasome Drives DNA Damage Resistance During Intervertebral Disc Degeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 672847.	3.7	5
67	A 3D Hologram With Mixed Reality Techniques to Improve Understanding of Pulmonary Lesions Caused by COVID-19: Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , 2021, 23, e24081.	4.3	5
68	Fibronectin induced ITG β 1/FAK-dependent apoptotic pathways determines the fate of degenerative NP cells. <i>Journal of Orthopaedic Research</i> , 2019, 37, 439-448.	2.3	4
69	Comparison of the Clinical Outcomes of Full Endoscopic Visualized Foraminoplasty and Discectomy Versus Microdiscectomy for Lumbar Disc Herniation. <i>Orthopaedic Surgery</i> , 2022, 14, 280-289.	1.8	4
70	Expression and methylation levels of suppressor of cytokine signaling 3 in rheumatic arthritis synovial fibroblasts. <i>Experimental and Molecular Pathology</i> , 2020, 113, 104361.	2.1	3
71	Spinal surgery and related management on patients with COVID-19: experience of a regional medical centre in Wuhan. <i>Bone & Joint Open</i> , 2020, 1, 88-92.	2.6	3
72	Adjacent segment degeneration and spinal cord compression in rigid angular kyphosis of spinal tuberculosis and its intraoperative management strategy. <i>Journal of Spinal Cord Medicine</i> , 2021, 44, 375-382.	1.4	3

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73	Functional outcome of limbâ€salvage surgery with shoulder abduction brace for bone tumors around the shoulders. <i>Journal of Surgical Oncology</i> , 2014, 109, 714-720.	1.7	1
74	Mixed reality breathes fresh energy into the development of modern surgery. <i>Global Health Journal (Amsterdam, Netherlands)</i> , 2019, 3, 60-61.	3.6	1
75	Diagnosis and Management of Intraspinial Tuberculoma with Giant Paraspinal Abscesses. <i>World Neurosurgery</i> , 2019, 127, 481-484.	1.3	1
76	Work characteristics of orthopaedic surgeons during the COVID-19 pandemic: A single center analysis. <i>Perioperative Care and Operating Room Management</i> , 2020, 20, 100127.	0.3	1
77	Spinal surgery and related management on patients with COVID-19: experience of a regional medical centre in Wuhan. <i>Bone & Joint Open</i> , 2020, 1, 88-92.	2.6	1
78	Operative treatment outcomes of anterior sternoclavicular joint dislocation using two experimental methods - an acromioclavicular joint hook plate versus a locking plate: a retrospective study. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 350.	1.9	1
79	Expression of mouse telomerase catalytic subunit mTERT gene in testis of SD rats and its significance. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2003, 23, 288-290.	1.0	0
80	Development and prospects of digital orthopedics in Hubei province. <i>Global Health Journal (Amsterdam, Netherlands)</i> , 2019, 3, 94-97.	3.6	0