

# Qiang Zhou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/599788/publications.pdf>

Version: 2024-02-01

89  
papers

2,242  
citations

218677

26  
h-index

254184

43  
g-index

97  
all docs

97  
docs citations

97  
times ranked

3313  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overexpression of Aquaporin-3 Alleviates Hyperosmolarity-Induced Nucleus Pulposus Cell Apoptosis via Regulating the ERK1/2 Pathway. <i>Pain Research and Management</i> , 2022, 2022, 1-11.	1.8	3
2	Comparison between Dynamic Stabilization and Instrumented Fusion in the Treatment of Spinal Stenosis with Degenerative Lumbar Scoliosis. <i>Pain Research and Management</i> , 2022, 2022, 1-8.	1.8	2
3	A Novel Approach Combined with MIPO Technique for the Treatment of Type C Pilon Fractures. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-10.	4.0	2
4	A Study on the Anatomical Relationship of the Lumbar Extrapedicular Puncture Approach with the Spinal Nerve and its Branches. <i>Spine</i> , 2021, 46, E611-E617.	2.0	2
5	Hydrostatic Pressure Modulates Intervertebral Disc Cell Survival and Extracellular Matrix Homeostasis via Regulating Hippo-YAP/TAZ Pathway. <i>Stem Cells International</i> , 2021, 2021, 1-17.	2.5	17
6	Deficiency of MIF Accentuates Overloaded Compression-Induced Nucleus Pulposus Cell Oxidative Damage via Depressing Mitophagy. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-19.	4.0	11
7	Diaphanous related formin 3 knockdown suppresses cell proliferation and metastasis of osteosarcoma cells. <i>Discover Oncology</i> , 2021, 12, 20.	2.1	3
8	The puncture methods of extrapedicular PVP (PKP): A narrative review. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2021, 25, 101250.	0.3	2
9	Immunohistochemical Detection of Human Papillomavirus 16 E7 Oncoprotein in Cervical Lesions. <i>Journal of Cancer</i> , 2021, 12, 7130-7137.	2.5	1
10	Postoperative Management Strategy of Surgical Site Infection following Lumbar Dynesys Dynamic Internal Fixation. <i>Pain Research and Management</i> , 2021, 2021, 1-8.	1.8	6
11	A Modified Transverse Process-Pedicle Approach Applied to Unilateral Extrapedicular Percutaneous Vertebroplasty. <i>Pain Research and Management</i> , 2021, 2021, 1-7.	1.8	5
12	Reciprocal signals between nerve and epithelium: how do neurons talk with epithelial cells?. <i>American Journal of Stem Cells</i> , 2021, 10, 56-67.	0.4	0
13	Posterior Dynamic Stabilization with Limited Rediscectomy for Recurrent Lumbar Disc Herniation. <i>Pain Research and Management</i> , 2021, 2021, 1-7.	1.8	1
14	Effect of Discectomy on Dynesys Dynamic Fixation in the Treatment of Lumbar Degenerative Diseases. <i>Pain Research and Management</i> , 2021, 2021, 1-6.	1.8	1
15	SIRT1 Attenuates Apoptosis of Nucleus Pulposus Cells by Targeting Interactions between LC3B and Fas under High-Magnitude Compression. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-11.	4.0	5
16	Surgical management of consecutive multisegment thoracic and lumbar tuberculosis: anterior-only approach vs. posterior-only approach. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 343.	2.3	9
17	Expression of langerhans cell and plasmacytoid dendritic cell markers, and toll-like receptor 7/9 signaling pathway proteins in verruca vulgaris lesions. <i>Medicine (United States)</i> , 2020, 99, e19214.	1.0	4
18	Calponin 3 is associated with poor prognosis and regulates proliferation and metastasis in osteosarcoma. <i>Aging</i> , 2020, 12, 14037-14049.	3.1	10

#	ARTICLE	IF	CITATIONS
19	SIRT1 alleviates high-magnitude compression-induced senescence in nucleus pulposus cells via PINK1-dependent mitophagy. <i>Aging</i> , 2020, 12, 16126-16141.	3.1	28
20	The methods for inserting lumbar bicortical pedicle screws from the anatomical perspective of the prevertebral great vessels. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 380.	1.9	5
21	Vitamin D supplementation could reduce the risk of acute cellular rejection and infection in vitamin D deficient liver allograft recipients. <i>International Immunopharmacology</i> , 2019, 75, 105811.	3.8	21
22	Can a posterior approach effectively heal thoracic and lumbar tuberculosis? Microbiology outcomes of the operative area. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 24.	2.3	10
23	Moldable and Removable Wound Dressing Based on Dynamic Covalent Cross-Linking of Thiol-Aldehyde Addition. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4048-4053.	5.2	30
24	Photosensitive Hydrogel Creates Favorable Biologic Niches to Promote Spinal Cord Injury Repair. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900013.	7.6	52
25	MicroRNA-200a-3p accelerates the progression of osteoporosis by targeting glutaminase to inhibit osteogenic differentiation of bone marrow mesenchymal stem cells. <i>Biomedicine and Pharmacotherapy</i> , 2019, 116, 108960.	5.6	26
26	A Study of the Sagittal Angle of Lumbar Bicortical Pedicle Screws from the Anatomic Perspective of the Lumbar Artery. <i>World Neurosurgery</i> , 2019, 125, e435-e441.	1.3	1
27	An anatomical study on lumbar arteries related to the extrapedicular approach applied during lumbar PVP (PKP). <i>PLoS ONE</i> , 2019, 14, e0213164.	2.5	13
28	Adaptable to Mechanically Stable Hydrogels Based on the Dynamic Covalent Cross-Linking of Thiol-Aldehyde Addition. <i>ACS Macro Letters</i> , 2019, 8, 310-314.	4.8	30
29	Iatrogenic Lumbar Artery Injury in Spine Surgery: A Literature Review. <i>World Neurosurgery</i> , 2019, 122, 266-271.	1.3	12
30	Midterm Results of Total Hip Arthroplasty in Patients With High Hip Dislocation After Suppurative Hip Arthritis. <i>Journal of Arthroplasty</i> , 2019, 34, 102-107.	3.1	25
31	Low-Dose Epinephrine Plus Tranexamic Acid Reduces Early Postoperative Blood Loss and Inflammatory Response. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, 295-304.	3.0	14
32	Human gene expression microarray analysis of the HPV 6bE7-HaCaT stable cell line. <i>Gene</i> , 2018, 657, 60-68.	2.2	11
33	Effectiveness of Transpedicular Dynamic Stabilization in Treating Discogenic Low Back Pain. <i>World Neurosurgery</i> , 2018, 111, e192-e198.	1.3	7
34	Surgical Treatment of Thoracic Spinal Tuberculosis: A Multicenter Retrospective Study. <i>World Neurosurgery</i> , 2018, 110, e842-e850.	1.3	35
35	Geographic variations in clinical presentation and outcomes of decompressive surgery in patients with symptomatic degenerative cervical myelopathy: analysis of a prospective, international multicenter cohort study of 757 patients. <i>Spine Journal</i> , 2018, 18, 593-605.	1.3	15
36	Influence of Human Papillomavirus E7 Oncoprotein on Maturation and Function of Plasmacytoid Dendritic Cells In Vitro. <i>Virologica Sinica</i> , 2018, 33, 493-501.	3.0	10

#	ARTICLE	IF	CITATIONS
37	Coronal Imaging Changes Associated with Recollapse of Injured Vertebrae After Percutaneous Vertebroplasty or Percutaneous Kyphoplasty Treatment for Osteoporotic Thoracolumbar Fracture. <i>World Neurosurgery</i> , 2018, 120, e737-e744.	1.3	3
38	Structure of the human plasma membrane Ca <sup>2+</sup> -ATPase 1 in complex with its obligatory subunit neuroplastin. <i>Nature Communications</i> , 2018, 9, 3623.	12.8	71
39	Identification of key candidate genes and pathways in hepatocellular carcinoma by integrated bioinformatical analysis. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 4932-4942.	1.8	15
40	Low Magnitude of Compression Enhances Biosynthesis of Mesenchymal Stem Cells towards Nucleus Pulposus Cells via the TRPV4-Dependent Pathway. <i>Stem Cells International</i> , 2018, 2018, 1-12.	2.5	18
41	Structure of the human PKD1-PKD2 complex. <i>Science</i> , 2018, 361, .	12.6	173
42	Role of the ERK1/2 pathway in osmolarity effects on nucleus pulposus cell apoptosis in a disc perfusion culture. <i>Journal of Orthopaedic Research</i> , 2017, 35, 86-92.	2.3	22
43	The inflammatory cytokine TNF- $\alpha$ promotes the premature senescence of rat nucleus pulposus cells via the PI3K/Akt signaling pathway. <i>Scientific Reports</i> , 2017, 7, 42938.	3.3	75
44	Effects of osteogenic protein-1 on intervertebral disc regeneration: A systematic review of animal studies. <i>Biomedicine and Pharmacotherapy</i> , 2017, 88, 260-266.	5.6	13
45	Total hip arthroplasty for patients with Crowe type IV developmental dysplasia of the hip: Ten years results. <i>International Journal of Surgery</i> , 2017, 42, 17-21.	2.7	42
46	An interpenetrating network-strengthened and toughened hydrogel that supports cell-based nucleus pulposus regeneration. <i>Biomaterials</i> , 2017, 136, 12-28.	11.4	93
47	Role of p38 $\alpha$ -MAPK pathway in the effects of high-magnitude compression on nucleus pulposus cell senescence in a disc perfusion culture. <i>Bioscience Reports</i> , 2017, 37, .	2.4	32
48	Long-term load duration induces N-cadherin down-regulation and loss of cell phenotype of nucleus pulposus cells in a disc bioreactor culture. <i>Bioscience Reports</i> , 2017, 37, .	2.4	12
49	A Substance Exchanger-Based Bioreactor Culture of Pig Discs for Studying the Immature Nucleus Pulposus. <i>Artificial Organs</i> , 2017, 41, E308-E319.	1.9	8
50	1,25(OH) <sub>2</sub> D <sub>3</sub> induces regulatory T cell differentiation by influencing the VDR/PLC- $\gamma$ 1/TGF- $\beta$ 1/pathway. <i>Molecular Immunology</i> , 2017, 91, 156-164.	2.2	59
51	A Retrospective Study of Thoracolumbar Fractures Treated with Fixation and Nonfusion Surgery of Intravertebral Bone Graft Assisted with Balloon Kyphoplasty. <i>World Neurosurgery</i> , 2017, 108, 798-806.	1.3	7
52	N-Cadherin-Mediated Activation of PI3K/Akt-GSK-3 $\beta$ Signaling Attenuates Nucleus Pulposus Cell Apoptosis Under High-Magnitude Compression. <i>Cellular Physiology and Biochemistry</i> , 2017, 44, 229-239.	1.6	33
53	The influence of L4 $\alpha$ -S1 Dynesin <sup>®</sup> dynamic stabilization versus fusion on lumbar motion and its relationship with lumbar degeneration: a retrospective study. <i>Journal of Orthopaedic Surgery and Research</i> , 2017, 12, 99.	2.3	16
54	Matrix homeostasis within the immature annulus fibrosus depends on the frequency of dynamic compression: a study based on the self-developed mechanically active bioreactor. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017, 16, 385-394.	2.8	9

#	ARTICLE	IF	CITATIONS
55	Laminectomy and fusion versus laminoplasty for the treatment of degenerative cervical myelopathy: results from the AOSpine North America and International prospective multicenter studies. <i>Spine Journal</i> , 2017, 17, 102-108.	1.3	70
56	Efficacy of Platelet-Rich Plasma in Retarding Intervertebral Disc Degeneration: A Meta-Analysis of Animal Studies. <i>BioMed Research International</i> , 2017, 2017, 1-10.	1.9	22
57	17beta-estradiol Attenuates TNF- $\alpha$ -Induced Premature Senescence of Nucleus Pulposus Cells through Regulating the ROS/NF- $\kappa$ B Pathway. <i>International Journal of Biological Sciences</i> , 2017, 13, 145-156.	6.4	64
58	Silencing LPAAT <sup>2</sup> inhibits tumor growth of cisplatin-resistant human osteosarcoma in vivo and in vitro. <i>International Journal of Oncology</i> , 2017, 50, 535-544.	3.3	17
59	High-magnitude compression accelerates the premature senescence of nucleus pulposus cells via the p38 MAPK-ROS pathway. <i>Arthritis Research and Therapy</i> , 2017, 19, 209.	3.5	46
60	Safety and efficacy of lateral mass screws at C7 in the treatment of cervical degenerative disease. , 2017, 8, 218.		4
61	Role of the ERK1/2 Signaling Pathway in Osteogenesis of Rat Tendon-Derived Stem Cells in Normoxic and Hypoxic Cultures. <i>International Journal of Medical Sciences</i> , 2016, 13, 629-637.	2.5	10
62	Dynamic Compression Effects on Immature Nucleus Pulposus: a Study Using a Novel Intelligent and Mechanically Active Bioreactor. <i>International Journal of Medical Sciences</i> , 2016, 13, 225-234.	2.5	38
63	Extrapedicular Infiltration Anesthesia as an Improved Method of Local Anesthesia for Unipedicular Percutaneous Vertebroplasty or Percutaneous Kyphoplasty. <i>BioMed Research International</i> , 2016, 2016, 1-4.	1.9	10
64	A Controlled Release Codelivery System of MSCs Encapsulated in Dextran/Gelatin Hydrogel with TGF- $\beta$ 3-Loaded Nanoparticles for Nucleus Pulposus Regeneration. <i>Stem Cells International</i> , 2016, 2016, 1-14.	2.5	31
65	Comparison of Outcomes of Surgical Treatment for Ossification of the Posterior Longitudinal Ligament Versus Other Forms of Degenerative Cervical Myelopathy. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 370-378.	3.0	47
66	Dimethylfumarate induces cell cycle arrest and apoptosis via regulating intracellular redox systems in HeLa cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2016, 52, 1034-1041.	1.5	12
67	Osmolarity affects matrix synthesis in the nucleus pulposus associated with the involvement of MAPK pathways: A study of ex vivo disc organ culture system. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1092-1100.	2.3	22
68	Surgical removal and controlled trypsinization of the outer annulus fibrosus improves the bioactivity of the nucleus pulposus in a disc bioreactor culture. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 133.	1.9	3
69	The outcomes of chemotherapy only treatment on mild spinal tuberculosis. <i>Journal of Orthopaedic Surgery and Research</i> , 2016, 11, 49.	2.3	26
70	Does age affect surgical outcomes in patients with degenerative cervical myelopathy? Results from the prospective multicenter AOSpine International study on 479 patients. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 734-740.	1.9	72
71	Imaging Anatomical Research on the Operative Windows of Oblique Lumbar Interbody Fusion. <i>PLoS ONE</i> , 2016, 11, e0163452.	2.5	44
72	Production of Polyclonal Antibody to the HPV58 E7 Protein and Its Detection in Cervical Cancer. <i>PLoS ONE</i> , 2016, 11, e0169138.	2.5	13

#	ARTICLE	IF	CITATIONS
73	Repeated microendoscopic discectomy for recurrent lumbar disk herniation. <i>Clinics</i> , 2015, 70, 120-125.	1.5	19
74	Improved Monosegment Pedicle Instrumentation for Treatment of Thoracolumbar Incomplete Burst Fractures. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	7
75	Cyclic Tensile Strain Induces Tenogenic Differentiation of Tendon-Derived Stem Cells in Bioreactor Culture. <i>BioMed Research International</i> , 2015, 2015, 1-13.	1.9	34
76	Pitavastatin attenuates monocyte activation in response to orthopedic implant-derived wear particles by suppressing the NF- $\kappa$ B signaling pathway. <i>Molecular Medicine Reports</i> , 2015, 12, 6932-6938.	2.4	6
77	Treatment effect, postoperative complications, and their reasons in juvenile thoracic and lumbar spinal tuberculosis surgery. <i>Journal of Orthopaedic Surgery and Research</i> , 2015, 10, 156.	2.3	8
78	A cross-sectional descriptive analysis of authorship trends in <sc>C</sc>hina-based dermatology literature in international journals, 2000-2010. <i>International Journal of Dermatology</i> , 2015, 54, e57-8.	1.0	0
79	Surgical treatment of lumbosacral tuberculosis by one-stage debridement and anterior instrumentation with allograft through an extraperitoneal anterior approach. <i>Journal of Orthopaedic Surgery and Research</i> , 2015, 10, 62.	2.3	15
80	Biomechanical comparison of anterior lumbar screw-plate fixation versus posterior lumbar pedicle screw fixation. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2014, 34, 907-911.	1.0	7
81	A Novel Axial-Stress Bioreactor System Combined with a Substance Exchanger for Tissue Engineering of 3D Constructs. <i>Tissue Engineering - Part C: Methods</i> , 2014, 20, 205-214.	2.1	35
82	The effect of mechanical stimulation on the maturation of TDSCs-poly(L-lactide-co-e-caprolactone)/collagen scaffold constructs for tendon tissue engineering. <i>Biomaterials</i> , 2014, 35, 2760-2772.	11.4	97
83	Surgical Strategy and Management Outcomes for Adjacent Multisegmental Spinal Tuberculosis. <i>Spine</i> , 2014, 39, E40-E48.	2.0	34
84	Study on the anatomy of the lumbosacral anterior great vessels pertinent to L5/S1 anterior interbody surgery with computer tomography angiography. <i>Acta Orthopaedica Belgica</i> , 2014, 80, 537-43.	0.4	9
85	Toll-Like Receptors in Human Papillomavirus Infection. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2013, 61, 203-215.	2.3	46
86	Subepidermal Bullous Dermatitis Associated With IgA Multiple Myeloma. <i>American Journal of Dermatopathology</i> , 2013, 35, e49-e52.	0.6	1
87	Ubiquitination in host immune response to human papillomavirus infection. <i>Archives of Dermatological Research</i> , 2011, 303, 217-230.	1.9	19
88	Ichthyosiform mycosis fungoides with alopecia and atypical membranous nephropathy. <i>Indian Journal of Dermatology, Venereology and Leprology</i> , 2011, 77, 180.	0.6	3
89	Oxidative stress in the pathogenesis of psoriasis. <i>Free Radical Biology and Medicine</i> , 2009, 47, 891-905.	2.9	218