

# Guang-Zhi Zhang

## List of Publications by Year in descending order

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26  
papers

579  
citations

933410

10  
h-index

713444

21  
g-index

31  
all docs

31  
docs citations

31  
times ranked

450  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intervertebral Disc Degeneration Models for Pathophysiology and Regenerative Therapy -Benefits and Limitations. <i>Journal of Investigative Surgery</i> , 2022, 35, 935-952.	1.3	12
2	SKI knockdown suppresses apoptosis and extracellular matrix degradation of nucleus pulposus cells via inhibition of the Wnt/ $\beta$ -catenin pathway and ameliorates disc degeneration. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2022, 27, 133.	4.9	6
3	Therapeutic Effect of Exosomes Derived From Stem Cells in Spinal Cord Injury: A Systematic Review Based on Animal Studies. <i>Frontiers in Neurology</i> , 2022, 13, 847444.	2.4	5
4	BRD4 Inhibition Suppresses Senescence and Apoptosis of Nucleus Pulposus Cells by Inducing Autophagy during Intervertebral Disc Degeneration: An In Vitro and In Vivo Study. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-27.	4.0	8
5	Proanthocyanidins inhibit the apoptosis and aging of nucleus pulposus cells through the PI3K/Akt pathway delaying intervertebral disc degeneration. <i>Connective Tissue Research</i> , 2022, 63, 650-662.	2.3	11
6	Role of Nrf2 and HO-1 in intervertebral disc degeneration. <i>Connective Tissue Research</i> , 2022, 63, 559-576.	2.3	6
7	Periostin promotes nucleus pulposus cells apoptosis by activating the Wnt/ $\beta$ -catenin signaling pathway. <i>FASEB Journal</i> , 2022, 36, .	0.5	10
8	A four-methylated LncRNA signature predicts survival of osteosarcoma patients based on machine learning. <i>Genomics</i> , 2021, 113, 785-794.	2.9	18
9	An immune-related gene signature for determining Ewing sarcoma prognosis based on machine learning. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 153-165.	2.5	22
10	A New Hope in Spinal Degenerative Diseases: Piezo1. <i>BioMed Research International</i> , 2021, 2021, 1-19.	1.9	12
11	Grape seed proanthocyanidins protect PC12 cells from hydrogen peroxide-induced damage via the PI3K/AKT signaling pathway. <i>Neuroscience Letters</i> , 2021, 750, 135793.	2.1	18
12	Role of the Wnt pathway in the formation, development, and degeneration of intervertebral discs. <i>Pathology Research and Practice</i> , 2021, 220, 153366.	2.3	14
13	Research progress on the regulatory role of microRNAs in spinal cord injury. <i>Regenerative Medicine</i> , 2021, 16, 465-476.	1.7	12
14	Development of a Machine Learning-Based Autophagy-Related lncRNA Signature to Improve Prognosis Prediction in Osteosarcoma Patients. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 615084.	3.5	12
15	NF $\kappa$ B signalling pathways in nucleus pulposus cell function and intervertebral disc degeneration. <i>Cell Proliferation</i> , 2021, 54, e13057.	5.3	116
16	An Immune-Related Long Non-Coding RNA Signature to Predict the Prognosis of Ewing's Sarcoma Based on a Machine Learning Iterative Lasso Regression. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 651593.	3.7	4
17	Different Types of Double-Level Degenerative Lumbar Spondylolisthesis: What Is Different in the Sagittal Plane?. <i>World Neurosurgery</i> , 2021, 150, e127-e134.	1.3	4
18	Natural Products of Pharmacology and Mechanisms in Nucleus Pulposus Cells and Intervertebral Disc Degeneration. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-22.	1.2	8

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19	Periostin: An Emerging Molecule With a Potential Role in Spinal Degenerative Diseases. <i>Frontiers in Medicine</i> , 2021, 8, 694800.	2.6	19
20	Development of a novel immune-related genes prognostic signature for osteosarcoma. <i>Scientific Reports</i> , 2020, 10, 18402.	3.3	17
21	Sirtuins and intervertebral disc degeneration: Roles in inflammation, oxidative stress, and mitochondrial function. <i>Clinica Chimica Acta</i> , 2020, 508, 33-42.	1.1	100
22	Rosmarinic acid exerts a neuroprotective effect on spinal cord injury by suppressing oxidative stress and inflammation via modulating the Nrf2/HO-1 and TLR4/NF- $\kappa$ B pathways. <i>Toxicology and Applied Pharmacology</i> , 2020, 397, 115014.	2.8	61
23	Protein Kinase A Is Involved in Neuropathic Pain by Activating the p38MAPK Pathway to Mediate Spinal Cord Cell Apoptosis. <i>Mediators of Inflammation</i> , 2020, 2020, 1-17.	3.0	9
24	GRB10 and E2F3 as Diagnostic Markers of Osteoarthritis and Their Correlation with Immune Infiltration. <i>Diagnostics</i> , 2020, 10, 171.	2.6	70
25	Trapezoidal Vertebral Body and Spine-Pelvis Sagittal Alignment in Patients with Lumbar Spondylolisthesis. <i>Medical Science Monitor</i> , 2020, 26, e927747.	1.1	1
26	Slow skeletal muscle troponin T, titin and myosin light chain 3 are candidate prognostic biomarkers for Ewing's sarcoma. <i>Oncology Letters</i> , 2019, 18, 6431-6442.	1.8	3