# Xiao-Tao Wu

List of Publications by Year
in descending order



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|---|---|---|---|
| 30 papers | 709 citations | 567281 15 h-index | 552781 26 g-index |
| 30 all docs | 30 docs citations | 30 times ranked | 841 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Unfolded protein response alleviates acidâ€induced premature senescence by promoting autophagy in nucleus pulposus cells. Cell Biology International, 2022, 46, 568-578. | 3.0 | 5 |
| 2 | Small extracellular vesicles from hypoxic mesenchymal stem cells alleviate intervertebral disc degeneration by delivering miR-17-5p. Acta Biomaterialia, 2022, 140, 641-658. | 8.3 | 18 |
| 3 | Underlying Mechanisms and Related Diseases Behind the Complex Regulatory Role of NOD-Like Receptor X1. DNA and Cell Biology, 2022, 41, 469-478. | 1.9 | 1 |
| 4 | GATA4 promotes the senescence of nucleus pulposus cells via NF-ÎºB pathway. Archives of Gerontology and Geriatrics, 2022, 101, 104676. | 3.0 | 5 |
| 5 | Radiological risk factors for recurrent lumbar disc herniation after percutaneous transforaminal endoscopic discectomy: a retrospective matched case-control study. European Spine Journal, 2021, 30, 886-892. | 2.2 | 30 |
| 6 | Which Criterion for Wound Drain Removal is Better Following Posterior 1-Level or 2-Level Lumbar Fusion With Instrumentation: Time Driven or Output Driven?. Global Spine Journal, 2021, , 219256822110137. | 2.3 | 3 |
| 7 | Oneâ€Stage Percutaneous Endoscopic Lumbar Discectomy for Symptomatic Doubleâ€Level Contiguous Adolescent Lumbar Disc Herniation. Orthopaedic Surgery, 2021, 13, 1532-1539. | 1.8 | 3 |
| 8 | Risk Factors for Increased Surgical Drain Output After Transforaminal Lumbar Interbody Fusion. World Neurosurgery, 2021, 151, e1044-e1050. | 1.3 | 1 |
| 9 | The use of incisional vacuum-assisted closure system following one-stage incision suture combined with continuous irrigation to treat early deep surgical site infection after posterior lumbar fusion with instrumentation. Journal of Orthopaedic Surgery and Research, 2021, 16, 445. | 2.3 | 5 |
| 10 | A Novel Technique for Treating Early Deep Surgical Site Infection After Posterior Lumbar Fusion with Instrumentation. World Neurosurgery, 2021, 156, e167-e174. | 1.3 | 3 |
| 11 | The accuracy of a novel pedicle screw insertion technique assisted by a special angular scale in the subaxial cervical spine using lateral mass as a reference marker. Journal of Orthopaedic Surgery and Research, 2020, 15, 551. | 2.3 | 3 |
| 12 | A20 of nucleus pulposus cells plays a self-protection role via the nuclear factor-kappa B pathway in the inflammatory microenvironment. Bone and Joint Research, 2020, 9, 225-235. | 3.6 | 12 |
| 13 | Survival analysis of patients with spinal chordomas. Neurosurgical Review, 2019, 42, 455-462. | 2.4 | 7 |
| 14 | A histocytological and radiological overview of the natural history of intervertebral disk: from embryonic formation to age-related degeneration. European Spine Journal, 2019, 28, 633-648. | 2.2 | 3 |
| 15 | Nuclear factorâ€kappa Bâ€dependent Xâ€box binding protein 1 signalling promotes the proliferation of nucleus pulposus cells under tumour necrosis factor alpha stimulation. Cell Proliferation, 2019, 52, e12542. | 5.3 | 18 |
| 16 | Comparison of percutaneous endoscopic lumbar discectomy versus microendoscopic discectomy for the treatment of lumbar disc herniation: a meta-analysis. International Orthopaedics, 2019, 43, 923-937. | 1.9 | 40 |
| 17 | Protein kinase RNAâ€like ER kinase/eukaryotic translation initiation factor 2Î± pathway attenuates tumor necrosis factor alphaâ€induced apoptosis in nucleus pulposus cells by activating autophagy. Journal of Cellular Physiology, 2019, 234, 11631-11645. | 4.1 | 14 |
| 18 | ASIC1a activation induces calcium-dependent apoptosis of BMSCs under conditions that mimic the acidic microenvironment of the degenerated intervertebral disc. Bioscience Reports, 2019, 39, . | 2.4 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Acid-Sensing Ion Channel 1a Regulates Fate of Rat Nucleus Pulposus Cells in Acid Stimulus Through Endoplasmic Reticulum Stress. BioResearch Open Access, 2018, 7, 2-9. | 2.6 | 10 |
| 20 | Endoplasmic Reticulum Stress Facilitates the Survival and Proliferation of Nucleus Pulposus Cells in TNF-Î± Stimulus by Activating Unfolded Protein Response. DNA and Cell Biology, 2018, 37, 347-358. | 1.9 | 26 |
| 21 | Preclinical development of a microRNA-based therapy for intervertebral disc degeneration. Nature Communications, 2018, 9, 5051. | 12.8 | 171 |
| 22 | Lumbar disc herniation treated by microendoscopic discectomy. Der Orthopade, 2018, 47, 993-1002. | 1.6 | 17 |
| 23 | Endoplasmic Reticulum Stress Is Involved in Nucleus Pulposus Degeneration and Attenuates Low pH-Induced Apoptosis of Rat Nucleus Pulposus Cells. DNA and Cell Biology, 2017, 36, 627-637. | 1.9 | 21 |
| 24 | The Paracrine Effect of Degenerated Disc Cells on Healthy Human Nucleus Pulposus Cells Is Mediated by MAPK and NF-ÎºB Pathways and Can Be Reduced by TGF-Î²1. DNA and Cell Biology, 2017, 36, 143-158. | 1.9 | 31 |
| 25 | Formation, function, and exhaustion of notochordal cytoplasmic vacuoles within intervertebral disc: current understanding and speculation. Oncotarget, 2017, 8, 57800-57812. | 1.8 | 23 |
| 26 | Resveratrol attenuated TNF-Î±â€“induced MMP-3 expression in human nucleus pulposus cells by activating autophagy via AMPK/SIRT1 signaling pathway. Experimental Biology and Medicine, 2016, 241, 848-853. | 2.4 | 80 |
| 27 | The presence of stem cells in potential stem cell niches of the intervertebral disc region: an in vitro study on rats. European Spine Journal, 2015, 24, 2411-2424. | 2.2 | 25 |
| 28 | Tumor necrosis factor alpha promotes the proliferation of human nucleus pulposus cells via nuclear factor-ÎºB, c-Jun N-terminal kinase, and p38 mitogen-activated protein kinase. Experimental Biology and Medicine, 2015, 240, 411-417. | 2.4 | 39 |
| 29 | Stem Cell Approaches to Intervertebral Disc Regeneration: Obstacles from the Disc Microenvironment. Stem Cells and Development, 2015, 24, 2479-2495. | 2.1 | 57 |
| 30 | Endoscopy-assisted posterior lumbar interbody fusion in a single segment. Journal of Clinical Neuroscience, 2014, 21, 287-292. | 1.5 | 16 |