

Gaocai Li

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,329
citations

394421

19
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477307

29
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docs citations

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times ranked

731
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	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
3	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
4	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
5	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
6	Berberine ameliorates oxidative stress-induced apoptosis by modulating ER stress and autophagy in human nucleus pulposus cells. <i>Life Sciences</i> , 2019, 228, 85-97.	4.3	65
7	Engineering Extracellular Vesicles Restore the Impaired Cellular Uptake and Attenuate Intervertebral Disc Degeneration. <i>ACS Nano</i> , 2021, 15, 14709-14724.	14.6	61
8	Piezo-Augmented Sonosensitizer with Strong Ultrasound-Propelling Ability for Efficient Treatment of Osteomyelitis. <i>ACS Nano</i> , 2022, 16, 2546-2557.	14.6	56
9	WTAP-mediated m6A modification of lncRNA NORAD promotes intervertebral disc degeneration. <i>Nature Communications</i> , 2022, 13, 1469.	12.8	55
10	Mitochondrial quality control in intervertebral disc degeneration. <i>Experimental and Molecular Medicine</i> , 2021, 53, 1124-1133.	7.7	46
11	The Proteolysis of ECM in Intervertebral Disc Degeneration. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1715.	4.1	46
12	Osteointegration of 3D-Printed Fully Porous Polyetheretherketone Scaffolds with Different Pore Sizes. <i>ACS Omega</i> , 2020, 5, 26655-26666.	3.5	44
13	Ultrasonic Interfacial Engineering of MoS ₂ -Modified Zn Single-Atom Catalysts for Efficient Osteomyelitis Sonodynamic Ion Therapy. <i>Small</i> , 2022, 18, e2105775.	10.0	43
14	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
15	Rejuvenation of Senescent Bone Marrow Mesenchymal Stromal Cells by Pulsed Triboelectric Stimulation. <i>Advanced Science</i> , 2021, 8, e2100964.	11.2	38
16	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
17	Impaired calcium homeostasis via advanced glycation end products promotes apoptosis through endoplasmic reticulum stress in human nucleus pulposus cells and exacerbates intervertebral disc degeneration in rats. <i>FEBS Journal</i> , 2019, 286, 4356-4373.	4.7	28
18	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

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19	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
20	Bone Repairment via Mechanosensation of Piezo1 Using Wearable Pulsed Triboelectric Nanogenerator. <i>Small</i> , 2022, 18, .	10.0	23
21	Nanotopography Sequentially Mediates Human Mesenchymal Stem Cell-Derived Small Extracellular Vesicles for Enhancing Osteogenesis. <i>ACS Nano</i> , 2022, 16, 415-430.	14.6	18
22	Triboelectric Nanogenerators for Cellular Bioelectrical Stimulation. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	17
23	The REDD1/TXNIP Complex Accelerates Oxidative Stress-Induced Apoptosis of Nucleus Pulposus Cells through the Mitochondrial Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-22.	4.0	15
24	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
25	Small extracellular vesicles with nanomorphology memory promote osteogenesis. <i>Bioactive Materials</i> , 2022, 17, 425-438.	15.6	13
26	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
27	FAM134B-Mediated ER-phagy Upregulation Attenuates AGEs-Induced Apoptosis and Senescence in Human Nucleus Pulposus Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-19.	4.0	8
28	CircCOG8 Downregulation Contributes to the Compression-Induced Intervertebral Disk Degeneration by Targeting miR-182-5p and FOXO3. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 581941.	3.7	5