

Jie Shen

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,618
citations

393982

19
h-index

344852

36
g-index

41
all docs

41
docs citations

41
times ranked

3367
citing authors

#	ARTICLE	IF	CITATIONS
1	Stem cells and regenerative medicine for musculoskeletal tissue. , 2022, , 319-360.		0
2	Otto Aufranc Award: Identification of Key Molecular Players in the Progression of Hip Osteoarthritis Through Transcriptomes and Epigenetics. Journal of Arthroplasty, 2022, 37, S391-S399.	1.5	7
3	Fracture healing is delayed in the absence of gasdermin-interleukin-1 signaling. ELife, 2022, 11, .	2.8	7
4	Targeting angiogenesis for fracture nonunion treatment in inflammatory disease. Bone Research, 2021, 9, 29.	5.4	11
5	Sustained oxygenation accelerates diabetic wound healing by promoting epithelialization and angiogenesis and decreasing inflammation. Science Advances, 2021, 7, .	4.7	196
6	Deletion of Glut1 in early postnatal cartilage reprograms chondrocytes toward enhanced glutamine oxidation. Bone Research, 2021, 9, 38.	5.4	16
7	Isolation and Culture of Periosteum-Derived Progenitor Cells from Mice. Methods in Molecular Biology, 2021, 2230, 397-413.	0.4	2
8	Gasdermin D deficiency attenuates arthritis induced by traumatic injury but not autoantibody-assembled immune complexes. Arthritis Research and Therapy, 2021, 23, 286.	1.6	12
9	Inhibition of the Prostaglandin EP-1 Receptor in Periosteum Progenitor Cells Enhances Osteoblast Differentiation and Fracture Repair. Annals of Biomedical Engineering, 2020, 48, 927-939.	1.3	4
10	Peripheral Blood Stem Cell Therapy Does Not Improve Outcomes of Femoral Head Osteonecrosis With Capâ€šaped Separated Cartilage Defect. Journal of Orthopaedic Research, 2020, 38, 269-276.	1.2	8
11	Runx2 plays a central role in Osteoarthritis development. Journal of Orthopaedic Translation, 2020, 23, 132-139.	1.9	56
12	FoxO1 is a crucial mediator of TGF- β 2/TAK1 signaling and protects against osteoarthritis by maintaining articular cartilage homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30488-30497.	3.3	62
13	Amygdalin Promotes Fracture Healing through TGF- β 2/Smad Signaling in Mesenchymal Stem Cells. Stem Cells International, 2020, 2020, 1-13.	1.2	10
14	LDHA-mediated ROS generation in chondrocytes is a potential therapeutic target for osteoarthritis. Nature Communications, 2020, 11, 3427.	5.8	169
15	High oxygen preservation hydrogels to augment cell survival under hypoxic condition. Acta Biomaterialia, 2020, 105, 56-67.	4.1	38
16	Dnmt3b ablation impairs fracture repair through upregulation of Notch pathway. JCI Insight, 2020, 5, .	2.3	15
17	Inflammatory osteolysis is regulated by site-specific ISGylation of the scaffold protein NEMO. ELife, 2020, 9, .	2.8	17
18	Regulation of the Inflammatory Process in Osteoarthritis. , 2020, , 658-675.		0

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19	Activation of β -catenin in <i>Col2</i> -expressing chondrocytes leads to osteoarthritis-like defects in hip joint. <i>Journal of Cellular Physiology</i> , 2019, 234, 18535-18543.	2.0	16
20	Inhibition of 4-aminobutyrate aminotransferase protects against injury-induced osteoarthritis in mice. <i>JCI Insight</i> , 2019, 4, .	2.3	26
21	Epigenetic and therapeutic implications of <i>dnmt3b</i> in temporomandibular joint osteoarthritis. <i>American Journal of Translational Research (discontinued)</i> , 2019, 11, 1736-1747.	0.0	8
22	Ablation of <i>Dnmt3b</i> in chondrocytes suppresses cell maturation during embryonic development. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 5852-5863.	1.2	17
23	Distinct metabolic programs induced by TGF- β 1 and BMP2 in human articular chondrocytes with osteoarthritis. <i>Journal of Orthopaedic Translation</i> , 2018, 12, 66-73.	1.9	46
24	Loss of <i>Dnmt3b</i> in Chondrocytes Leads to Delayed Endochondral Ossification and Fracture Repair. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 283-297.	3.1	25
25	Inflammation and epigenetic regulation in osteoarthritis. <i>Connective Tissue Research</i> , 2017, 58, 49-63.	1.1	164
26	Osteoarthritis: toward a comprehensive understanding of pathological mechanism. <i>Bone Research</i> , 2017, 5, 16044.	5.4	731
27	DNA methyltransferase 3b regulates articular cartilage homeostasis by altering metabolism. <i>JCI Insight</i> , 2017, 2, .	2.3	55
28	CCN1 Regulates Chondrocyte Maturation and Cartilage Development. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 549-559.	3.1	22
29	NOTCH signaling in skeletal progenitors is critical for fracture repair. <i>Journal of Clinical Investigation</i> , 2016, 126, 1471-1481.	3.9	96
30	Transient gamma-secretase inhibition accelerates and enhances fracture repair likely via Notch signaling modulation. <i>Bone</i> , 2015, 73, 77-89.	1.4	21
31	Epigenetic and microRNA regulation during osteoarthritis development. <i>F1000Research</i> , 2015, 4, 1092.	0.8	11
32	Distribution and Alteration of Lymphatic Vessels in Knee Joints of Normal and Osteoarthritic Mice. <i>Arthritis and Rheumatology</i> , 2014, 66, 657-666.	2.9	42
33	Recent Progress in Osteoarthritis Research. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2014, 22, 467-468.	1.1	30
34	TGF- β 2 signaling and the development of osteoarthritis. <i>Bone Research</i> , 2014, 2, .	5.4	184
35	Deletion of the Transforming Growth Factor β Receptor Type II Gene in Articular Chondrocytes Leads to a Progressive Osteoarthritis-like Phenotype in Mice. <i>Arthritis and Rheumatism</i> , 2013, 65, 3107-3119.	6.7	159
36	Conditional activation of β -catenin signaling in mice leads to severe defects in intervertebral disc tissue. <i>Arthritis and Rheumatism</i> , 2012, 64, 2611-2623.	6.7	92

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37	Recent progress in understanding molecular mechanisms of cartilage degeneration during osteoarthritis. <i>Annals of the New York Academy of Sciences</i> , 2011, 1240, 61-69.	1.8	160
38	TGF- β 2 signaling plays an essential role in the growth and maintenance of intervertebral disc tissue. <i>FEBS Letters</i> , 2011, 585, 1209-1215.	1.3	83