

# Yeja Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,565  
citations

257101

24  
h-index

329751

37  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2086  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single cell transcriptomics identifies a unique adipose lineage cell population that regulates bone marrow environment. <i>ELife</i> , 2020, 9, .	2.8	191
2	Suppression of Sclerostin Alleviates Radiation-Induced Bone Loss by Protecting Bone-Forming Cells and Their Progenitors Through Distinct Mechanisms. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 360-372.	3.1	88
3	PTH1 $\alpha$ 34 alleviates radiotherapy-induced local bone loss by improving osteoblast and osteocyte survival. <i>Bone</i> , 2014, 67, 33-40.	1.4	77
4	Cell therapy for the degenerating intervertebral disc. <i>Translational Research</i> , 2017, 181, 49-58.	2.2	67
5	Growth Factor Osteogenic Protein-1. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2004, 83, 515-521.	0.7	60
6	COL6A3 Protein Deficiency in Mice Leads to Muscle and Tendon Defects Similar to Human Collagen VI Congenital Muscular Dystrophy. <i>Journal of Biological Chemistry</i> , 2013, 288, 14320-14331.	1.6	58
7	Histological Features of the Degenerating Intervertebral Disc in a Goat Disc-Injury Model. <i>Spine</i> , 2011, 36, 1519-1527.	1.0	57
8	Comparative Effects of Bone Morphogenetic Proteins and Sox9 Overexpression on Extracellular Matrix Metabolism of Bovine Nucleus Pulposus Cells. <i>Spine</i> , 2006, 31, 2173-2179.	1.0	54
9	PTH1 $\alpha$ 34 Blocks Radiation-induced Osteoblast Apoptosis by Enhancing DNA Repair through Canonical Wnt Pathway. <i>Journal of Biological Chemistry</i> , 2015, 290, 157-167.	1.6	51
10	Development of a standardized histopathology scoring system for intervertebral disc degeneration in rat models: An initiative of the <sc>ORS</sc> spine section. <i>JOR Spine</i> , 2021, 4, e1150.	1.5	49
11	Intervertebral Disk Repair by Protein, Gene, or Cell Injection: A Framework for Rehabilitation $\alpha$ Focused Biologics in the Spine. <i>PM and R</i> , 2011, 3, S88-94.	0.9	46
12	Comparative Effects of Bone Morphogenetic Proteins and Sox9 Overexpression on Matrix Accumulation by Bovine Anulus Fibrosus Cells. <i>Spine</i> , 2007, 32, 2515-2520.	1.0	44
13	Intervertebral Disc Cells Produce Interleukins Found in Patients with Back Pain. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2016, 95, 407-415.	0.7	40
14	Antimicrobial Peptide Combined with BMP2-Modified Mesenchymal Stem Cells Promotes Calvarial Repair in an Osteolytic Model. <i>Molecular Therapy</i> , 2018, 26, 199-207.	3.7	39
15	Histological Features of Endplates of the Mammalian Spine. <i>Spine</i> , 2014, 39, E312-E317.	1.0	38
16	Cell Therapy Using Articular Chondrocytes Overexpressing BMP-7 or BMP-10 in a Rabbit Disc Organ Culture Model. <i>Spine</i> , 2008, 33, 831-838.	1.0	35
17	Transplantation of Goat Bone Marrow Stromal Cells to the Degenerating Intervertebral Disc in a Goat Disc Injury Model. <i>Spine</i> , 2011, 36, 372-377.	1.0	35
18	Intervertebral Disc Degeneration in a Percutaneous Mouse Tail Injury Model. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2018, 97, 170-177.	0.7	35

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19	Periosteal Mesenchymal Progenitor Dysfunction and Extraskelentially-Derived Fibrosis Contribute to Atrophic Fracture Nonunion. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 520-532.	3.1	35
20	Human Umbilical Cord Blood-Derived Mesenchymal Stem Cells in the Cultured Rabbit Intervertebral Disc. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2013, 92, 420-429.	0.7	34
21	Cytotoxicity of local anesthetics and nonionic contrast agents on bovine intervertebral disc cells cultured in a three-dimensional culture system. <i>Spine Journal</i> , 2014, 14, 491-498.	0.6	34
22	Transduced Bovine Articular Chondrocytes Affect the Metabolism of Cocultured Nucleus Pulposus Cells In Vitro: Implications for Chondrocyte Transplantation Into the Intervertebral Disc. <i>Spine</i> , 2005, 30, 2601-2607.	1.0	31
23	Biological Treatment for Degenerative Disc Disease. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2008, 87, 694-702.	0.7	29
24	Fibronectin Fragments and the Cleaving Enzyme ADAM-8 in the Degenerative Human Intervertebral Disc. <i>Spine</i> , 2014, 39, 1274-1279.	1.0	27
25	Proteasome inhibitor bortezomib is a novel therapeutic agent for focal radiation-induced osteoporosis. <i>FASEB Journal</i> , 2018, 32, 52-62.	0.2	26
26	Quantitative MRI correlates with histological grade in a percutaneous needle injury mouse model of disc degeneration. <i>Journal of Orthopaedic Research</i> , 2018, 36, 2771-2779.	1.2	24
27	A comprehensive study of long-term skeletal changes after spinal cord injury in adult rats. <i>Bone Research</i> , 2015, 3, 15028.	5.4	22
28	Fibronectin Splicing Variants in Human Intervertebral Disc and Association With Disc Degeneration. <i>Spine</i> , 2010, 35, 1581-1588.	1.0	20
29	Allogeneic Articular Chondrocyte Transplantation Downregulates Interleukin 8 Gene Expression in the Degenerating Rabbit Intervertebral Disk In Vivo. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2015, 94, 530-538.	0.7	20
30	Alpha 5 Integrin Mediates Osteoarthritic Changes in Mouse Knee Joints. <i>PLoS ONE</i> , 2016, 11, e0156783.	1.1	19
31	Intervertebral disc development and disease-related genetic polymorphisms. <i>Genes and Diseases</i> , 2016, 3, 171-177.	1.5	18
32	Therapeutic potential of TNF $\alpha$ inhibitors in chronic inflammatory disorders: Past and future. <i>Genes and Diseases</i> , 2021, 8, 38-47.	1.5	18
33	Primary Bovine Intervertebral Disc Cells Transduced with Adenovirus Overexpressing 12 BMPs and Sox9 Maintain Appropriate Phenotype. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2009, 88, 455-463.	0.7	16
34	Fibronectin splice variation in human knee cartilage, meniscus and synovial membrane: Observations in osteoarthritic knee. <i>Journal of Orthopaedic Research</i> , 2015, 33, 556-562.	1.2	15
35	Cell Therapy with Human Dermal Fibroblasts Enhances Intervertebral Disk Repair and Decreases Inflammation in the Rabbit Model. <i>Global Spine Journal</i> , 2016, 6, 771-779.	1.2	14
36	Extracellular Matrix and Adhesion Molecule Gene Expression in the Normal and Injured Murine Intervertebral Disc. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2019, 98, 35-42.	0.7	14

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37	The critical role of Hedgehog-responsive mesenchymal progenitors in meniscus development and injury repair. <i>ELife</i> , 2021, 10, .	2.8	14
38	Low-Dose Interleukin-1 Partially Counteracts Osteogenic Protein-1-Induced Proteoglycan Synthesis by Adult Bovine Intervertebral Disk Cells. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2005, 84, 322-329.	0.7	12
39	A microwell-based impedance sensor on an insertable microneedle for real-time in vivo cytokine detection. <i>Microsystems and Nanoengineering</i> , 2021, 7, 96.	3.4	12
40	Spatial distribution of type II collagen gene expression in the mouse intervertebral disc. <i>JOR Spine</i> , 2019, 2, e1070.	1.5	10
41	Sensory Neurons and Fibers from Multiple Spinal Cord Levels Innervate the Rabbit Lumbar Disc. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2006, 85, 865-871.	0.7	7
42	Elevated inflammatory gene expression in intervertebral disc tissues in mice with ADAM8 inactivated. <i>Scientific Reports</i> , 2021, 11, 1804.	1.6	7
43	Influence of Genetic Background and Sex on Gene Expression in the Mouse ( <i>Mus musculus</i> ) Tail in a Model of Intervertebral Disc Injury. <i>Comparative Medicine</i> , 2020, 70, 131-139.	0.4	5
44	Functional Deficits in Mice Expressing Human Interleukin 8. <i>Comparative Medicine</i> , 2020, 70, 205-215.	0.4	5
45	<scp>TNFAIP8</scp> family gene expressions in the mouse tail intervertebral disc injury model. <i>JOR Spine</i> , 2020, 3, e1093.	1.5	3
46	Cyclooxygenase-2 deficiency causes delayed ossification of lumbar vertebral endplates. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 718-730.	0.0	3
47	Biomarkers in the Degenerative Human Intervertebral Disc Tissue and Blood. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2021, Publish Ahead of Print, .	0.7	2
48	Vertebral Benign Notochordal Cell Tumor (BNCT) as an Incidental Finding in Cervical Radiculitis. <i>PM and R</i> , 2015, 7, 1198-1200.	0.9	1
49	Expression of Human Interleukin 8 in Mice Alters Their Natural Behaviors. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 2413-2424.	1.6	1