

Li Zheng

List of Publications by Year in descending order

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86
papers

2,439
citations

201385

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125
docs citations

125
times ranked

3406
citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing Bifunctional Ferritin with Kartogenin Loading for Mesenchymal Stem Cell Capture and Enhancing Chondrogenesis in Cartilage Regeneration. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101715.	3.9	12
2	NIR-driven polydopamine-based nanoenzymes as ROS scavengers to suppress osteoarthritis progression. <i>Materials Today Nano</i> , 2022, 19, 100240.	2.3	16
3	Carbazate-modified cross-linked dextran microparticles suppress the progression of osteoarthritis by ROS scavenging. <i>Biomaterials Science</i> , 2021, 9, 6236-6250.	2.6	7
4	A pH-responsive mesoporous silica nanoparticles-based drug delivery system with controlled release of andrographolide for OA treatment. <i>International Journal of Energy Production and Management</i> , 2021, 8, rbab020.	1.9	27
5	Reactive oxygen species (ROS)-responsive nanoprobe for bioimaging and targeting therapy of osteoarthritis. <i>Journal of Nanobiotechnology</i> , 2021, 19, 395.	4.2	26
6	Syndecan-4 involves in the pathogenesis of rheumatoid arthritis by regulating the inflammatory response and apoptosis of fibroblast-like synoviocytes. <i>Journal of Cellular Physiology</i> , 2020, 235, 1746-1758.	2.0	22
7	Implantable and degradable antioxidant poly(μ -caprolactone)-lignin nanofiber membrane for effective osteoarthritis treatment. <i>Biomaterials</i> , 2020, 230, 119601.	5.7	100
8	Salidroside enhances proliferation and maintains phenotype of articular chondrocytes for autologous chondrocyte implantation (ACI) via TGF- β 2/Smad3 Signal. <i>Biomedicine and Pharmacotherapy</i> , 2020, 122, 109388.	2.5	14
9	Articular chondrocyte-derived extracellular vesicles promote cartilage differentiation of human umbilical cord mesenchymal stem cells by activation of autophagy. <i>Journal of Nanobiotechnology</i> , 2020, 18, 163.	4.2	23
10	MMP-13 enzyme and pH responsive theranostic nanoplatform for osteoarthritis. <i>Journal of Nanobiotechnology</i> , 2020, 18, 117.	4.2	40
11	Electrospun poly(3-hydroxybutyrate-co-4-hydroxybutyrate) /Octacalcium phosphate Nanofibrous membranes for effective guided bone regeneration. <i>Materials Science and Engineering C</i> , 2020, 112, 110763.	3.8	13
12	Carbazate modified dextrans as scavengers for carbonylated proteins. <i>Carbohydrate Polymers</i> , 2020, 232, 115802.	5.1	8
13	Injectable calcium phosphate ceramics prevent osteoclastic differentiation and osteoporotic bone loss: Potential applications for regional osteolysis. <i>Materials Science and Engineering C</i> , 2020, 110, 110691.	3.8	8
14	Rational engineering of ferritin nanocages for targeted therapy of osteoarthritis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 28, 102210.	1.7	15
15	pH-responsive and hyaluronic acid-functionalized metal-organic frameworks for therapy of osteoarthritis. <i>Journal of Nanobiotechnology</i> , 2020, 18, 139.	4.2	58
16	[Corrigendum] Nano-hydroxyapatite/collagen film as a favorable substrate to maintain the phenotype and promote the growth of chondrocytes cultured in vitro. <i>International Journal of Molecular Medicine</i> , 2020, 46, 2282-2284.	1.8	0
17	Andrographolide protects chondrocytes from oxidative stress injury by activation of the Keap1-Nrf2 signaling pathway. <i>Journal of Cellular Physiology</i> , 2019, 234, 561-571.	2.0	60
18	An injectable collagen-genipin-carbon dot hydrogel combined with photodynamic therapy to enhance chondrogenesis. <i>Biomaterials</i> , 2019, 218, 119190.	5.7	131

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19	Intensified Stiffness and Photodynamic Provocation in a Collagen-Based Composite Hydrogel Drive Chondrogenesis. <i>Advanced Science</i> , 2019, 6, 1900099.	5.6	80
20	miR-17-5p Regulates Heterotopic Ossification by Targeting ANKH in Ankylosing Spondylitis. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 18, 696-707.	2.3	27
21	Cartilage-targeting and dual MMP-13/pH responsive theranostic nanoprobe for osteoarthritis imaging and precision therapy. <i>Biomaterials</i> , 2019, 225, 119520.	5.7	92
22	Dopamine-melanin nanoparticles scavenge reactive oxygen and nitrogen species and activate autophagy for osteoarthritis therapy. <i>Nanoscale</i> , 2019, 11, 11605-11616.	2.8	103
23	Electrospun PLGA/PCL/OCP nanofiber membranes promote osteogenic differentiation of mesenchymal stem cells (MSCs). <i>Materials Science and Engineering C</i> , 2019, 104, 109796.	3.8	39
24	Comparative profiling of chondrogenic differentiation of mesenchymal stem cells (MSCs) driven by two different growth factors. <i>Cell Biochemistry and Function</i> , 2019, 37, 359-367.	1.4	9
25	Impact of Hydrogel Elasticity and Adherence on Osteosarcoma Cells and Osteoblasts. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801587.	3.9	23
26	Bioconjugated Carbon Dots for Delivery of siRNA to Enhance Chondrogenesis of Mesenchymal Stem Cells by Suppression of Inflammation. <i>Stem Cells Translational Medicine</i> , 2019, 8, 724-736.	1.6	26
27	Platelet-rich plasma promotes the regeneration of cartilage engineered by mesenchymal stem cells and collagen hydrogel via the TGF β 2/SMAD signaling pathway. <i>Journal of Cellular Physiology</i> , 2019, 234, 15627-15637.	2.0	27
28	Comparison of rheumatoid arthritis (RA) and osteoarthritis (OA) based on microarray profiles of human joint fibroblast-like synoviocytes. <i>Cell Biochemistry and Function</i> , 2019, 37, 31-41.	1.4	38
29	Andrographolide prevents human nucleus pulposus cells against degeneration by inhibiting the NF κ B pathway. <i>Journal of Cellular Physiology</i> , 2019, 234, 9631-9639.	2.0	19
30	Untangling the response of bone tumor cells and bone forming cells to matrix stiffness and adhesion ligand density by means of hydrogels. <i>Biomaterials</i> , 2019, 188, 130-143.	5.7	64
31	Intra-hydrogel culture prevents transformation of mesenchymal stem cells induced by monolayer expansion. <i>Biomaterials Science</i> , 2018, 6, 1168-1176.	2.6	9
32	The role of Sox9 in collagen hydrogel-mediated chondrogenic differentiation of adult mesenchymal stem cells (MSCs). <i>Biomaterials Science</i> , 2018, 6, 1556-1568.	2.6	43
33	LiF@SiO ₂ nanocapsules for controlled lithium release and osteoarthritis treatment. <i>Nano Research</i> , 2018, 11, 5751-5760.	5.8	8
34	Nano-hydroxyapatite/collagen film as a favorable substrate to maintain the phenotype and promote the growth of chondrocytes cultured in vitro. <i>International Journal of Molecular Medicine</i> , 2018, 41, 2150-2158.	1.8	7
35	Effect of metformin on ossification and inflammation of fibroblasts in ankylosing spondylitis: An in vitro study. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 1074-1082.	1.2	34
36	In vitro culture expansion impairs chondrogenic differentiation and the therapeutic effect of mesenchymal stem cells by regulating the unfolded protein response. <i>Journal of Biological Engineering</i> , 2018, 12, 26.	2.0	14

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37	Artemisinin Ameliorates Osteoarthritis by Inhibiting the Wnt/ β 2-Catenin Signaling Pathway. Cellular Physiology and Biochemistry, 2018, 51, 2575-2590.	1.1	31
38	A Novel Synthesized Sulfonamido-Based Gallate-JEZTC Blocks Cartilage Degradation on Rabbit Model of Osteoarthritis: An in Vitro and in Vivo Study. Cellular Physiology and Biochemistry, 2018, 49, 2304-2319.	1.1	3
39	Pulsed Magnetic Field Stimuli Can Promote Chondrogenic Differentiation of Superparamagnetic Iron Oxide Nanoparticles-Labeled Mesenchymal Stem Cells in Rats. Journal of Biomedical Nanotechnology, 2018, 14, 2135-2145.	0.5	14
40	Murine and Chinese cobra venom-derived nerve growth factor stimulate chondrogenic differentiation of BMSCs in vitro: A comparative study. Molecular Medicine Reports, 2018, 18, 3341-3349.	1.1	6
41	Therapy for cartilage defects: functional ectopic cartilage constructed by cartilage-simulating collagen, chondroitin sulfate and hyaluronic acid (CCH) hybrid hydrogel with allogeneic chondrocytes. Biomaterials Science, 2018, 6, 1616-1626.	2.6	31
42	Mechanically cartilage-mimicking poly(PCL-PTHF urethane)/collagen nanofibers induce chondrogenesis by blocking NF κ B signaling pathway. Biomaterials, 2018, 178, 281-292.	5.7	72
43	Lignin-based Nanomaterials. Sustainable Chemistry Series, 2018, , 153-168.	0.1	0
44	A scaffold-filter model for studying the chondrogenic differentiation of stem cells in vitro. Materials Science and Engineering C, 2017, 70, 962-968.	3.8	13
45	Effect of apatite formation of biphasic calcium phosphate ceramic (BCP) on osteoblastogenesis using simulated body fluid (SBF) with or without bovine serum albumin (BSA). Materials Science and Engineering C, 2017, 70, 955-961.	3.8	25
46	NECL1 coated PLGA as favorable conduits for repair of injured peripheral nerve. Materials Science and Engineering C, 2017, 70, 1132-1140.	3.8	18
47	Salidroside promotes peripheral nerve regeneration based on tissue engineering strategy using Schwann cells and PLGA: in vitro and in vivo. Scientific Reports, 2017, 7, 39869.	1.6	36
48	Beneficial effects of sulfonamide-based gallates on osteoblasts in vitro. Molecular Medicine Reports, 2017, 15, 1149-1156.	1.1	8
49	Effect of NGF From Venom of Chinese Cobra (Naja Atra) on Chondrocytes Proliferation and Metabolism In Vitro. Journal of Cellular Biochemistry, 2017, 118, 4308-4316.	1.2	8
50	Protective effects of baicalin on rabbit articular chondrocytes in vitro. Experimental and Therapeutic Medicine, 2017, 13, 1267-1274.	0.8	8
51	Nerve growth factor from Chinese cobra venom stimulates chondrogenic differentiation of mesenchymal stem cells. Cell Death and Disease, 2017, 8, e2801-e2801.	2.7	28
52	Osteogenic differentiation of mesenchymal stem cells (MSCs) induced by three calcium phosphate ceramic (CaP) powders: A comparative study. Materials Science and Engineering C, 2017, 80, 296-300.	3.8	33
53	In vitro expansion impaired the stemness of early passage mesenchymal stem cells for treatment of cartilage defects. Cell Death and Disease, 2017, 8, e2851-e2851.	2.7	105
54	Baicalin promotes the viability of Schwann cells in vitro by regulating neurotrophic factors. Experimental and Therapeutic Medicine, 2017, 14, 507-514.	0.8	11

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55	Nitric Oxide Nanosensors for Predicting the Development of Osteoarthritis in Rat Model. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25128-25137.	4.0	42
56	Synthesis, Biological Evaluation, and Docking Studies of a Novel Sulfonamido-Based Gallate as Pro-Chondrogenic Agent for the Treatment of Cartilage. <i>Molecules</i> , 2017, 22, 3.	1.7	17
57	The Proliferation Enhancing Effects of Salidroside on Schwann Cells In Vitro. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-10.	0.5	7
58	Chondro-Protective and Antiarthritic Effects of Sulfonamido-Based Gallate "ZXHA-TC in Vitro and in Vivo. <i>ACS Chemical Biology</i> , 2016, 11, 1613-1623.	1.6	7
59	Pro-neurogenic effects of andrographolide on RSC96 Schwann cells in vitro. <i>Molecular Medicine Reports</i> , 2016, 14, 3573-3580.	1.1	14
60	Proliferation-enhancing effects of gastrodin on RSC96 Schwann cells by regulating ERK1/2 and PI3K signaling pathways. <i>Biomedicine and Pharmacotherapy</i> , 2016, 84, 747-753.	2.5	21
61	Pro-neurogenic effect of Î²-asarone on RSC96 Schwann cells in vitro. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2016, 52, 278-286.	0.7	10
62	Effect of Longan polysaccharides on proliferation and phenotype maintenance in rabbit articular chondrocytes in vitro. <i>Medical and Biological Engineering and Computing</i> , 2016, 54, 607-617.	1.6	8
63	Role of (-)-epigallocatechin-3-gallate in the osteogenic differentiation of human bone marrow mesenchymal stem cells: An enhancer or an inducer?. <i>Experimental and Therapeutic Medicine</i> , 2015, 10, 828-834.	0.8	24
64	Chondroprotective Effects of Taurine in Primary Cultures of Human Articular Chondrocytes. <i>Tohoku Journal of Experimental Medicine</i> , 2015, 235, 201-213.	0.5	13
65	Protocatechuic acid benefits proliferation and phenotypic maintenance of rabbit articular chondrocytes: An in vitro study. <i>Experimental and Therapeutic Medicine</i> , 2015, 9, 1865-1870.	0.8	7
66	A Novel Synthesized Sulfonamido-Based Gallate "JEZ-C as Potential Therapeutic Agents for Osteoarthritis. <i>PLoS ONE</i> , 2015, 10, e0125930.	1.1	6
67	Stimulating Effect of a Novel Synthesized Sulfonamido-Based Gallate ZXHA-TC on Primary Osteoblasts. <i>Yonsei Medical Journal</i> , 2015, 56, 760.	0.9	8
68	Andrographolide Enhances Proliferation and Prevents Dedifferentiation of Rabbit Articular Chondrocytes: An <i>In Vitro</i> Study. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-10.	0.5	11
69	Stimulating Effect of a Newly Synthesized Sulfonamido-Based gallate on Articular Chondrocytes in Vitro. <i>Cellular Physiology and Biochemistry</i> , 2015, 37, 1196-1209.	1.1	2
70	<i>In vivo</i> bioengineered ovarian tumors based on collagen, matrigel, alginate and agarose hydrogels: a comparative study. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 015016.	1.7	20
71	Effect of epigallocatechin-3-gallate on proliferation and phenotype maintenance in rabbit articular chondrocytes in vitro. <i>Experimental and Therapeutic Medicine</i> , 2015, 9, 213-218.	0.8	10
72	Andrographolide Exerts Pro-Osteogenic Effect by Activation of Wnt/Î²-Catenin Signaling Pathway in Vitro. <i>Cellular Physiology and Biochemistry</i> , 2015, 36, 2327-2339.	1.1	32

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73	Effect of <i>In-Situ</i> Synthesized Nano-Hydroxyapatite/Collagen Composite Hydrogel on Osteoblasts Growth <i>In-Vitro</i> . Journal of Biomaterials and Tissue Engineering, 2015, 5, 523-531.	0.0	0
74	Effect of JEZTC, a synthetic compound, on proliferation and phenotype maintenance of rabbit articular chondrocytes in vitro. In Vitro Cellular and Developmental Biology - Animal, 2014, 50, 982-991.	0.7	7
75	Effect of a novel synthesized sulfonamido-based gallate-SZNTC on chondrocytes metabolism in vitro. Chemico-Biological Interactions, 2014, 221, 127-138.	1.7	6
76	Comparative Study of Collagen Hydrogels Modified in Two Ways Using the Model of Ectopic Cartilage Construction with Diffusion-chamber in Immunocompetent Host. Journal of Applied Biomaterials and Functional Materials, 2014, 12, 41-47.	0.7	5
77	Evaluation of novel <i>in situ</i> synthesized nano-hydroxyapatite/collagen/alginate hydrogels for osteochondral tissue engineering. Biomedical Materials (Bristol), 2014, 9, 065004.	1.7	48
78	Material-induced chondrogenic differentiation of mesenchymal stem cells is material-dependent. Experimental and Therapeutic Medicine, 2014, 7, 1147-1150.	0.8	10
79	A novel synthesized sulfonamido-based gallic acid " LDQN-C: Effects on chondrocytes growth and phenotype maintenance. Bioorganic Chemistry, 2014, 57, 99-107.	2.0	8
80	In vitro effect of a synthesized sulfonamido-based gallate on articular chondrocyte metabolism. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 2497-2503.	1.0	9
81	Downregulation of tumor suppressor gene ribonuclease T2 and gametogenetin binding protein 2 is associated with drug resistance in ovarian cancer. Oncology Reports, 2014, 32, 362-372.	1.2	22
82	In vitro ovarian cancer model based on three-dimensional agarose hydrogel. Journal of Tissue Engineering, 2014, 5, 204173141352043.	2.3	28
83	Three dimensional finite element analysis of a novel osteointegrated dental implant designed to reduce stress peak of cortical bone. Acta of Bioengineering and Biomechanics, 2014, 16, 21-8.	0.2	7
84	Reinforcement and chemical cross-linking in collagen-based scaffolds in cartilage tissue engineering: a comparative study. Iranian Polymer Journal (English Edition), 2013, 22, 833-842.	1.3	20
85	Preparation of collagen" chondroitin sulfate" hyaluronic acid hybrid hydrogel scaffolds and cell compatibility in vitro. Carbohydrate Polymers, 2011, 84, 118-125.	5.1	146
86	<i>In Vivo</i> Cartilage Engineering with Collagen Hydrogel and Allogeneous Chondrocytes After Diffusion Chamber Implantation in Immunocompetent Host. Tissue Engineering - Part A, 2009, 15, 2145-2153.	1.6	51