

Jialin Chen

List of Publications by Year in descending order

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35
papers

1,562
citations

331670

21
h-index

330143

37
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37
all docs

37
docs citations

37
times ranked

2323
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Regulatory Strategies of Differentiating Stem Cells towards Keratocytes. <i>Stem Cells International</i> , 2022, 2022, 1-11.	2.5	1
2	Multifunctional polyphenol-based silk hydrogel alleviates oxidative stress and enhances endogenous regeneration of osteochondral defects. <i>Materials Today Bio</i> , 2022, 14, 100251.	5.5	20
3	Regulation of osteogenic differentiation by the pro-inflammatory cytokines IL-1 β and TNF- α : current conclusions and controversies. <i>Human Cell</i> , 2022, 35, 957-971.	2.7	11
4	Effects of Zinc, Magnesium, and Iron Ions on Bone Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 2321-2335.	5.2	47
5	Nanosilicate-Reinforced Silk Fibroin Hydrogel for Endogenous Regeneration of Both Cartilage and Subchondral Bone. <i>Advanced Healthcare Materials</i> , 2022, 11, .	7.6	17
6	Enzymatically crosslinked silk-nanosilicate reinforced hydrogel with dual-lineage bioactivity for osteochondral tissue engineering. <i>Materials Science and Engineering C</i> , 2021, 127, 112215.	7.3	32
7	Carbon-Based Nanomaterials for Bone and Cartilage Regeneration: A Review. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4718-4735.	5.2	35
8	The application of human periodontal ligament stem cells and biomimetic silk scaffold for in situ tendon regeneration. <i>Stem Cell Research and Therapy</i> , 2021, 12, 596.	5.5	18
9	The Application of Mechanical Stimulations in Tendon Tissue Engineering. <i>Stem Cells International</i> , 2020, 2020, 1-14.	2.5	25
10	Sustained Release of TPCAs from Silk Fibroin Hydrogels Preserves Keratocyte Phenotype and Promotes Corneal Regeneration by Inhibiting Interleukin-1 β Signaling. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000591.	7.6	26
11	Regulation of Keratocyte Phenotype and Cell Behavior by Substrate Stiffness. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5162-5171.	5.2	22
12	Cell-Free Biomimetic Scaffold with Cartilage Extracellular Matrix-Like Architectures for <i>In Situ</i> Inductive Regeneration of Osteochondral Defects. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6917-6925.	5.2	18
13	An all-silk-derived functional nanosphere matrix for sequential biomolecule delivery and in situ osteochondral regeneration. <i>Bioactive Materials</i> , 2020, 5, 832-843.	15.6	48
14	Tannic acid-mediated dual peptide-functionalized scaffolds to direct stem cell behavior and osteochondral regeneration. <i>Chemical Engineering Journal</i> , 2020, 396, 125232.	12.7	43
15	Characterization and Comparison of Postnatal Rat Meniscus Stem Cells at Different Developmental Stages. <i>Stem Cells Translational Medicine</i> , 2019, 8, 1318-1329.	3.3	7
16	Mechanical stress potentiates the differentiation of periodontal ligament stem cells into keratocytes. <i>British Journal of Ophthalmology</i> , 2018, 102, 562-569.	3.9	18
17	Promotion of Hernia Repair with High-Strength, Flexible, and Bioresorbable Silk Fibroin Mesh in a Large Abdominal Hernia Model. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2067-2080.	5.2	24
18	Tendinosis-like changes in denervated rat Achilles tendon. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 426.	1.9	5

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19	Ascorbic Acid Promotes the Stemness of Corneal Epithelial Stem/Progenitor Cells and Accelerates Epithelial Wound Healing in the Cornea. <i>Stem Cells Translational Medicine</i> , 2017, 6, 1356-1365.	3.3	53
20	Silk Fibroin Biomaterial Shows Safe and Effective Wound Healing in Animal Models and a Randomized Controlled Clinical Trial. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700121.	7.6	173
21	Surface Topography and Mechanical Strain Promote Keratocyte Phenotype and Extracellular Matrix Formation in a Biomimetic 3D Corneal Model. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601238.	7.6	38
22	<i>c-Fos</i> Promotes Early Stage Teno-Lineage Differentiation of Tendon Stem/Progenitor Cells in Tendon. <i>Stem Cells Translational Medicine</i> , 2017, 6, 2009-2019.	3.3	16
23	Glutamate signaling through the NMDA receptor reduces the expression of scleraxis in plantaris tendon derived cells. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 218.	1.9	7
24	Substance P and patterned silk biomaterial stimulate periodontal ligament stem cells to form corneal stroma in a bioengineered three-dimensional model. <i>Stem Cell Research and Therapy</i> , 2017, 8, 260.	5.5	14
25	The tenocyte phenotype of human primary tendon cells in vitro is reduced by glucocorticoids. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 467.	1.9	23
26	Characterization and comparison of post-natal rat Achilles tendon-derived stem cells at different development stages. <i>Scientific Reports</i> , 2016, 6, 22946.	3.3	30
27	Ciliary Neurotrophic Factor Promotes the Migration of Corneal Epithelial Stem/progenitor Cells by Up-regulation of MMPs through the Phosphorylation of Akt. <i>Scientific Reports</i> , 2016, 6, 25870.	3.3	35
28	Intra-Articular Injection of Human Meniscus Stem/Progenitor Cells Promotes Meniscus Regeneration and Ameliorates Osteoarthritis Through Stromal Cell-Derived Factor-1/CXCR4-Mediated Homing. <i>Stem Cells Translational Medicine</i> , 2014, 3, 387-394.	3.3	86
29	Long-term effects of knitted silk collagen sponge scaffold on anterior cruciate ligament reconstruction and osteoarthritis prevention. <i>Biomaterials</i> , 2014, 35, 8154-8163.	11.4	84
30	The use of type 1 collagen scaffold containing stromal cell-derived factor-1 to create a matrix environment conducive to partial-thickness cartilage defects repair. <i>Biomaterials</i> , 2013, 34, 713-723.	11.4	129
31	The promotion of osteochondral repair by combined intra-articular injection of parathyroid hormone-related protein and implantation of a bi-layer collagen-silk scaffold. <i>Biomaterials</i> , 2013, 34, 6046-6057.	11.4	78
32	Osteoarthritis Prevention Through Meniscal Regeneration Induced by Intra-Articular Injection of Meniscus Stem Cells. <i>Stem Cells and Development</i> , 2013, 22, 2071-2082.	2.1	52
33	Allogeneous Tendon Stem/Progenitor Cells in Silk Scaffold for Functional Shoulder Repair. <i>Cell Transplantation</i> , 2012, 21, 943-958.	2.5	119
34	Inhibitory function of parathyroid hormone-related protein on chondrocyte hypertrophy: the implication for articular cartilage repair. <i>Arthritis Research and Therapy</i> , 2012, 14, 221.	3.5	52
35	The effect of incorporation of exogenous stromal cell-derived factor-1 alpha within a knitted silk-collagen sponge scaffold on tendon regeneration. <i>Biomaterials</i> , 2010, 31, 7239-7249.	11.4	150