

# Xiao Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4520546/publications.pdf>

Version: 2024-02-01

94  
papers

5,060  
citations

94269

37  
h-index

95083

68  
g-index

98  
all docs

98  
docs citations

98  
times ranked

5982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular Matrix Remodeling in Stem Cell Culture: A Potential Target for Regulating Stem Cell Function. <i>Tissue Engineering - Part B: Reviews</i> , 2022, 28, 542-554.	2.5	5
2	Bidirectional association between physical multimorbidity and subclinical depression in Chinese older adults: Findings from a prospective cohort study. <i>Journal of Affective Disorders</i> , 2022, 296, 169-174.	2.0	8
3	Hierarchical ultrastructure: An overview of what is known about tendons and future perspective for tendon engineering. <i>Bioactive Materials</i> , 2022, 8, 124-139.	8.6	21
4	Cell-subpopulation alteration and FGF7 activation regulate the function of tendon stem/progenitor cells in 3D microenvironment revealed by single-cell analysis. <i>Biomaterials</i> , 2022, 280, 121238.	5.7	11
5	Single cell analysis reveals inhibition of angiogenesis attenuates the progression of heterotopic ossification in Mx <sup>Cre</sup> /iPSC mice. <i>Bone Research</i> , 2022, 10, 4.	5.4	7
6	Association of plasma uric acid levels with cognitive function among non-hyperuricemia adults: A prospective study. <i>Clinical Nutrition</i> , 2022, 41, 645-652.	2.3	8
7	Plasma folate levels in relation to cognitive impairment: a community-based cohort of older adults in China. <i>European Journal of Nutrition</i> , 2022, 61, 2837-2845.	1.8	1
8	MCAM is associated with metastasis and poor prognosis in osteosarcoma by modulating tumor cell migration. <i>Journal of Clinical Laboratory Analysis</i> , 2022, 36, e24214.	0.9	5
9	A Cd9 <sup>+</sup> Cd271 <sup>+</sup> stem/progenitor population and the SHP2 pathway contribute to neonatal-to-adult switching that regulates tendon maturation. <i>Cell Reports</i> , 2022, 39, 110762.	2.9	3
10	An Off-the-Shelf Tissue Engineered Cartilage Composed of Optimally Sized Pellets of Cartilage Progenitor/Stem Cells. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 881-892.	2.6	7
11	Single-cell RNA-seq reveals novel mitochondria-related musculoskeletal cell populations during adult axolotl limb regeneration process. <i>Cell Death and Differentiation</i> , 2021, 28, 1110-1125.	5.0	26
12	Potential applications of deep learning in single-cell RNA sequencing analysis for cell therapy and regenerative medicine. <i>Stem Cells</i> , 2021, 39, 511-521.	1.4	16
13	3D printing of chemical-empowered tendon stem/progenitor cells for functional tissue repair. <i>Biomaterials</i> , 2021, 271, 120722.	5.7	18
14	Regional gene therapy for bone healing using a 3D printed scaffold in a rat femoral defect model. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 2346-2356.	2.1	6
15	The Impact of Osteobiologic Subtype Selection on Perioperative Complications and Hospital-Reported Charges in Single- and Multi-Level Lumbar Spinal Fusion. <i>International Journal of Spine Surgery</i> , 2021, 15, 654-662.	0.7	2
16	Biomimetic strategies for tendon/ligament-to-bone interface regeneration. <i>Bioactive Materials</i> , 2021, 6, 2491-2510.	8.6	50
17	Application of Stem Cell Therapy for ACL Graft Regeneration. <i>Stem Cells International</i> , 2021, 2021, 1-14.	1.2	4
18	Inhibition of ROS activity by controlled release of proanthocyanidins from mesoporous silica nanocomposites effectively ameliorates heterotopic ossification in tendon. <i>Chemical Engineering Journal</i> , 2021, 420, 129415.	6.6	12

#	ARTICLE	IF	CITATIONS
19	Early-Stage Primary Anti-inflammatory Therapy Enhances the Regenerative Efficacy of Platelet-Rich Plasma in a Rabbit Achilles Tendinopathy Model. <i>American Journal of Sports Medicine</i> , 2021, 49, 3357-3371.	1.9	6
20	Single-cell RNA-seq reveals functionally distinct biomaterial degradation-related macrophage populations. <i>Biomaterials</i> , 2021, 277, 121116.	5.7	10
21	Promoting musculoskeletal system soft tissue regeneration by biomaterial-mediated modulation of macrophage polarization. <i>Bioactive Materials</i> , 2021, 6, 4096-4109.	8.6	35
22	Impact of High-intensity Zones on Their Corresponding Lumbar Spine Segments. <i>Clinical Spine Surgery</i> , 2021, 34, 32-38.	0.7	1
23	Engineered osteoclasts as living treatment materials for heterotopic ossification therapy. <i>Nature Communications</i> , 2021, 12, 6327.	5.8	12
24	Use of Platelet-Rich Plasma for the Improvement of Pain and Function in Rotator Cuff Tears: A Systematic Review and Meta-analysis With Bias Assessment. <i>American Journal of Sports Medicine</i> , 2020, 48, 2028-2041.	1.9	67
25	Clinical and Structural Outcomes After Rotator Cuff Repair in Patients With Diabetes: A Meta-analysis. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596712094849.	0.8	14
26	Targeted pathological collagen delivery of sustained-release rapamycin to prevent heterotopic ossification. <i>Science Advances</i> , 2020, 6, eaay9526.	4.7	55
27	&lt;p&gt;Pathogenic Characteristics of and Variation in &lt;em&gt;Vibrio parahaemolyticus&lt;/em&gt; Isolated from Acute Diarrhoeal Patients in Southeastern China from 2013 to 2017&lt;/p&gt;. <i>Infection and Drug Resistance</i> , 2020, Volume 13, 1307-1318.	1.1	7
28	Injectable hydrogels for tendon and ligament tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1333-1348.	1.3	21
29	Tendon stem cells and their interaction with microenvironments. , 2020, , 145-159.		0
30	Tendon-derived cathepsin K&eacute; expressing progenitor cells activate Hedgehog signaling to drive heterotopic ossification. <i>Journal of Clinical Investigation</i> , 2020, 130, 6354-6365.	3.9	54
31	Characterization and Comparison of Postnatal Rat Meniscus Stem Cells at Different Developmental Stages. <i>Stem Cells Translational Medicine</i> , 2019, 8, 1318-1329.	1.6	7
32	Knitted Silk-Collagen Scaffold Incorporated with Ligament Stem/Progenitor Cells Sheet for Anterior Cruciate Ligament Reconstruction and Osteoarthritis Prevention. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5412-5421.	2.6	18
33	Nomenclature Inconsistency and Selective Outcome Reporting Hinder Understanding of Stem Cell Therapy for the Knee. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 186-195.	1.4	23
34	Pharmacological Inhibition of Rac1 Activity Prevents Pathological Calcification and Enhances Tendon Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3511-3522.	2.6	9
35	Controlled-release curcumin attenuates progression of tendon ectopic calcification by regulating the differentiation of tendon stem/progenitor cells. <i>Materials Science and Engineering C</i> , 2019, 103, 109711.	3.8	14
36	Challenges in <i>Vibrio parahaemolyticus</i> infections caused by the pandemic clone. <i>Future Microbiology</i> , 2019, 14, 437-450.	1.0	12

#	ARTICLE	IF	CITATIONS
37	The relationship between substrate topography and stem cell differentiation in the musculoskeletal system. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 505-521.	2.4	55
38	A collagen-coated sponge silk scaffold for functional meniscus regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 156-173.	1.3	34
39	Clinical features and microbiological characteristics of hospital- and community-onset <i>Escherichia coli</i> bloodstream infection. <i>Journal of Medical Microbiology</i> , 2019, 68, 178-187.	0.7	8
40	Prevalence of Enteropathogens in Outpatients with Acute Diarrhea from Urban and Rural Areas, Southeast China, 2010-2014. <i>American Journal of Tropical Medicine and Hygiene</i> , 2019, 101, 310-318.	0.6	14
41	The roles of inflammatory mediators and immunocytes in tendinopathy. <i>Journal of Orthopaedic Translation</i> , 2018, 14, 23-33.	1.9	64
42	Concise Review: Stem Cell Fate Guided By Bioactive Molecules for Tendon Regeneration. <i>Stem Cells Translational Medicine</i> , 2018, 7, 404-414.	1.6	41
43	The Efficacy of Platelet-Rich Plasma on Tendon and Ligament Healing: A Systematic Review and Meta-analysis With Bias Assessment. <i>American Journal of Sports Medicine</i> , 2018, 46, 2020-2032.	1.9	171
44	Stem cells in lung repair and regeneration: Current applications and future promise. <i>Journal of Cellular Physiology</i> , 2018, 233, 6414-6424.	2.0	17
45	Activation of AKT-mTOR Signaling Directs Tenogenesis of Mesenchymal Stem Cells. <i>Stem Cells</i> , 2018, 36, 527-539.	1.4	36
46	Histone deacetylase inhibitor treated cell sheet from mouse tendon stem/progenitor cells promotes tendon repair. <i>Biomaterials</i> , 2018, 172, 66-82.	5.7	38
47	Exogenous stromal derived factor-1 releasing silk scaffold combined with intra-articular injection of progenitor cells promotes bone-ligament-bone regeneration. <i>Acta Biomaterialia</i> , 2018, 71, 168-183.	4.1	50
48	An epigenetic bioactive composite scaffold with well-aligned nanofibers for functional tendon tissue engineering. <i>Acta Biomaterialia</i> , 2018, 66, 141-156.	4.1	78
49	Prevalence and genetic diversity of human diarrheagenic <i>Escherichia coli</i> isolates by multilocus sequence typing. <i>International Journal of Infectious Diseases</i> , 2018, 67, 7-13.	1.5	27
50	Bloodstream infections caused by <i>Klebsiella pneumoniae</i> : prevalence of blaKPC, virulence factors and their impacts on clinical outcome. <i>BMC Infectious Diseases</i> , 2018, 18, 358.	1.3	35
51	Comparative Evaluation of Three Preprocessing Methods for Extraction and Detection of Influenza A Virus Nucleic Acids from Sputum. <i>Frontiers in Medicine</i> , 2018, 5, 56.	1.2	15
52	Physical Microenvironment-Based Inducible Scaffold for Stem Cell Differentiation and Tendon Regeneration. <i>Tissue Engineering - Part B: Reviews</i> , 2018, 24, 443-453.	2.5	20
53	Ectopic tissue engineered ligament with silk collagen scaffold for ACL regeneration: A preliminary study. <i>Acta Biomaterialia</i> , 2017, 53, 307-317.	4.1	22
54	Alignment of collagen fiber in knitted silk scaffold for functional massive rotator cuff repair. <i>Acta Biomaterialia</i> , 2017, 51, 317-329.	4.1	91

#	ARTICLE	IF	CITATIONS
55	Biomimetic tendon extracellular matrix composite gradient scaffold enhances ligament-to-bone junction reconstruction. <i>Acta Biomaterialia</i> , 2017, 56, 129-140.	4.1	60
56	Intratendon Delivery of Leukocyte-Poor Platelet-Rich Plasma Improves Healing Compared With Leukocyte-Rich Platelet-Rich Plasma in a Rabbit Achilles Tendinopathy Model. <i>American Journal of Sports Medicine</i> , 2017, 45, 1909-1920.	1.9	85
57	<i>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.	1.6	16
58	Small molecule therapeutics for inflammation-associated chronic musculoskeletal degenerative diseases: Past, present and future. <i>Experimental Cell Research</i> , 2017, 359, 1-9.	1.2	17
59	Prevalence and genotype distribution of human papillomavirus in 961,029 screening tests in southeastern China (Zhejiang Province) between 2011 and 2015. <i>Scientific Reports</i> , 2017, 7, 14813.	1.6	30
60	<i>Haemophilus influenzae</i> vulvovaginitis associated with rhinitis caused by the same clone in a prepubertal girl. <i>Journal of Obstetrics and Gynaecology Research</i> , 2017, 43, 1080-1083.	0.6	7
61	Adult human periodontal ligament-derived stem cells delay retinal degeneration and maintain retinal function in RCS rats. <i>Stem Cell Research and Therapy</i> , 2017, 8, 290.	2.4	9
62	Proteomic analysis of sputum reveals novel biomarkers for various presentations of asthma. <i>Journal of Translational Medicine</i> , 2017, 15, 171.	1.8	20
63	Physapubescin B inhibits tumorigenesis and circumvents taxol resistance of ovarian cancer cells through STAT3 signaling. <i>Oncotarget</i> , 2017, 8, 70130-70141.	0.8	9
64	Characterization and comparison of post-natal rat Achilles tendon-derived stem cells at different development stages. <i>Scientific Reports</i> , 2016, 6, 22946.	1.6	30
65	Stepwise Differentiation of Mesenchymal Stem Cells Augments Tendon-Like Tissue Formation and Defect Repair In Vivo. <i>Stem Cells Translational Medicine</i> , 2016, 5, 1106-1116.	1.6	85
66	Enteropathogens in children less than 5 years of age with acute diarrhea: a 5-year surveillance study in the Southeast Coast of China. <i>BMC Infectious Diseases</i> , 2016, 16, 434.	1.3	22
67	Single-cell analysis reveals a nestin <sup>+</sup> tendon stem/progenitor cell population with strong tenogenic potentiality. <i>Science Advances</i> , 2016, 2, e1600874.	4.7	100
68	Pharmacological Regulation of In Situ Tissue Stem Cells Differentiation for Soft Tissue Calcification Treatment. <i>Stem Cells</i> , 2016, 34, 1083-1096.	1.4	27
69	Electrospun scaffolds for multiple tissues regeneration in vivo through topography dependent induction of lineage specific differentiation. <i>Biomaterials</i> , 2015, 44, 173-185.	5.7	129
70	Nanoparticle delivery of stable miR-199a-5p agomir improves the osteogenesis of human mesenchymal stem cells via the HIF1a pathway. <i>Biomaterials</i> , 2015, 53, 239-250.	5.7	113
71	Well-aligned chitosan-based ultrafine fibers committed teno-lineage differentiation of human induced pluripotent stem cells for Achilles tendon regeneration. <i>Biomaterials</i> , 2015, 53, 716-730.	5.7	154
72	Vaginitis Caused by <i>Corynebacterium amycolatum</i> in a Prepubescent Girl. <i>Journal of Pediatric and Adolescent Gynecology</i> , 2015, 28, e165-e167.	0.3	11

#	ARTICLE	IF	CITATIONS
73	Mohawk Promotes the Tenogenesis of Mesenchymal Stem Cells Through Activation of the TGF $\beta$ 2 Signaling Pathway. <i>Stem Cells</i> , 2015, 33, 443-455.	1.4	136
74	bFGF promotes adipocyte differentiation in human mesenchymal stem cells derived from embryonic stem cells. <i>Genetics and Molecular Biology</i> , 2014, 37, 127-134.	0.6	13
75	Transplantation of Fetal Instead of Adult Fibroblasts Reduces the Probability of Ectopic Ossification During Tendon Repair. <i>Tissue Engineering - Part A</i> , 2014, 20, 1815-1826.	1.6	16
76	Scleraxis-Overexpressed Human Embryonic Stem Cell-Derived Mesenchymal Stem Cells for Tendon Tissue Engineering with Knitted Silk-Collagen Scaffold. <i>Tissue Engineering - Part A</i> , 2014, 20, 1583-1592.	1.6	68
77	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.	1.6	86
78	Long-term effects of knitted silk-collagen sponge scaffold on anterior cruciate ligament reconstruction and osteoarthritis prevention. <i>Biomaterials</i> , 2014, 35, 8154-8163.	5.7	84
79	Crucial transcription factors in tendon development and differentiation: their potential for tendon regeneration. <i>Cell and Tissue Research</i> , 2014, 356, 287-298.	1.5	79
80	Fetal and adult fibroblasts display intrinsic differences in tendon tissue engineering and regeneration. <i>Scientific Reports</i> , 2014, 4, 5515.	1.6	55
81	The effect of decellularized matrices on human tendon stem/progenitor cell differentiation and tendon repair. <i>Acta Biomaterialia</i> , 2013, 9, 9317-9329.	4.1	126
82	The promotion of bone regeneration by nanofibrous hydroxyapatite/chitosan scaffolds by effects on integrin-BMP/Smad signaling pathway in BMSCs. <i>Biomaterials</i> , 2013, 34, 4404-4417.	5.7	290
83	Osteoarthritis Prevention Through Meniscal Regeneration Induced by Intra-Articular Injection of Meniscus Stem Cells. <i>Stem Cells and Development</i> , 2013, 22, 2071-2082.	1.1	52
84	<i>Plesiomonas shigelloides</i> Infection in Southeast China. <i>PLoS ONE</i> , 2013, 8, e77877.	1.1	40
85	Allogeneous Tendon Stem/Progenitor Cells in Silk Scaffold for Functional Shoulder Repair. <i>Cell Transplantation</i> , 2012, 21, 943-958.	1.2	119
86	Force and scleraxis synergistically promote the commitment of human ES cells derived MSCs to tenocytes. <i>Scientific Reports</i> , 2012, 2, 977.	1.6	113
87	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.	5.7	150
88	Efficacy of hESC-MSCs in knitted silk-collagen scaffold for tendon tissue engineering and their roles. <i>Biomaterials</i> , 2010, 31, 9438-9451.	5.7	209
89	The regulation of tendon stem cell differentiation by the alignment of nanofibers. <i>Biomaterials</i> , 2010, 31, 2163-2175.	5.7	537
90	Mesenchymal stem cell seeded knitted silk sling for the treatment of stress urinary incontinence. <i>Biomaterials</i> , 2010, 31, 4872-4879.	5.7	92

#	ARTICLE	IF	CITATIONS
91	Stem cells for tendon tissue engineering and regeneration. Expert Opinion on Biological Therapy, 2010, 10, 689-700.	1.4	65
92	Stepwise Differentiation of Human Embryonic Stem Cells Promotes Tendon Regeneration by Secreting Fetal Tendon Matrix and Differentiation Factors. Stem Cells, 2009, 27, 1276-1287.	1.4	172
93	A Novel Strategy Incorporated the Power of Mesenchymal Stem Cells to Allografts for Segmental Bone Tissue Engineering. Cell Transplantation, 2009, 18, 433-441.	1.2	52
94	Ligament regeneration using a knitted silk scaffold combined with collagen matrix. Biomaterials, 2008, 29, 3683-3692.	5.7	190