

# Xiao Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

2,663  
citations

236833

25  
h-index

197736

49  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3339  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ligament regeneration using a knitted silk scaffold combined with collagen matrix. <i>Biomaterials</i> , 2008, 29, 3683-3692.	5.7	190
2	Stepwise Differentiation of Human Embryonic Stem Cells Promotes Tendon Regeneration by Secreting Fetal Tendon Matrix and Differentiation Factors. <i>Stem Cells</i> , 2009, 27, 1276-1287.	1.4	172
3	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
4	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
5	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
6	Global, regional and time-trend prevalence of central obesity: a systematic review and meta-analysis of 13.2 million subjects. <i>European Journal of Epidemiology</i> , 2020, 35, 673-683.	2.5	112
7	Exosomes-loaded thermosensitive hydrogels for corneal epithelium and stroma regeneration. <i>Biomaterials</i> , 2022, 280, 121320.	5.7	103
8	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
9	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
10	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
11	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
12	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
13	Global incidence and mortality of breast cancer: a trend analysis. <i>Aging</i> , 2021, 13, 5748-5803.	1.4	80
14	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
15	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
16	Biomimetic tendon extracellular matrix composite gradient scaffold enhances ligament-to-bone junction reconstruction. <i>Acta Biomaterialia</i> , 2017, 56, 129-140.	4.1	60
17	TGF- $\beta$ 1 Neuroprotection via Inhibition of Microglial Activation in a Rat Model of Parkinson's Disease. <i>Journal of Neuroimmune Pharmacology</i> , 2017, 12, 433-446.	2.1	59
18	Fetal and adult fibroblasts display intrinsic differences in tendon tissue engineering and regeneration. <i>Scientific Reports</i> , 2014, 4, 5515.	1.6	55

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19	Tendon-derived cathepsin B-expressing progenitor cells activate Hedgehog signaling to drive heterotopic ossification. <i>Journal of Clinical Investigation</i> , 2020, 130, 6354-6365.	3.9	54
20	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
21	Biomimetic strategies for tendon/ligament-to-bone interface regeneration. <i>Bioactive Materials</i> , 2021, 6, 2491-2510.	8.6	50
22	Interleukin-10 Protection against Lipopolysaccharide-Induced Neuro-Inflammation and Neurotoxicity in Ventral Mesencephalic Cultures. <i>International Journal of Molecular Sciences</i> , 2016, 17, 25.	1.8	42
23	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
24	SLC1A3 promotes gastric cancer progression via the PI3K/AKT signalling pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 14392-14404.	1.6	36
25	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
26	Ratio of asymptomatic COVID-19 cases among ascertained SARS-CoV-2 infections in different regions and population groups in 2020: a systematic review and meta-analysis including 130 123 infections from 241 studies. <i>BMJ Open</i> , 2021, 11, e049752.	0.8	29
27	Superspreading and heterogeneity in transmission of SARS, MERS, and COVID-19: A systematic review. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 5039-5046.	1.9	28
28	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
29	Screening Therapeutic Agents Specific to Breast Cancer Stem Cells Using a Microfluidic Single-Cell Cloning Inhibition Assay. <i>Small</i> , 2020, 16, e1901001.	5.2	27
30	Change in eating habits and physical activities before and during the COVID-19 pandemic in Hong Kong: a cross-sectional study via random telephone survey. <i>Journal of the International Society of Sports Nutrition</i> , 2021, 18, 33.	1.7	26
31	BM-MSC Transplantation Alleviates Intracerebral Hemorrhage-Induced Brain Injury, Promotes Astrocytes Vimentin Expression, and Enhances Astrocytes Antioxidation via the Cx43/Nrf2/HO-1 Axis. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 302.	1.8	25
32	Protocatechuic acid exerts protective effects via suppression of the P38/JNK- NF- $\kappa$ B signalling pathway in an experimental mouse model of intracerebral haemorrhage. <i>European Journal of Pharmacology</i> , 2019, 854, 128-138.	1.7	24
33	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
34	Melatonin Prevents Mice Cortical Astrocytes From Hemin-Induced Toxicity Through Activating PKC $\delta$ /Nrf2/HO-1 Signaling in vitro. <i>Frontiers in Neuroscience</i> , 2019, 13, 760.	1.4	21
35	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
36	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

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37	Effects of mesenchymal stem cells harboring the Interferon- $\beta$ gene on A549 lung cancer in nude mice. <i>Pathology Research and Practice</i> , 2019, 215, 586-593.	1.0	18
38	3D printing of chemical-empowered tendon stem/progenitor cells for functional tissue repair. <i>Biomaterials</i> , 2021, 271, 120722.	5.7	18
39	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
40	Factors associated with participation in colorectal cancer screening: A population-based study of 7200 individuals. <i>European Journal of Cancer Care</i> , 2021, 30, e13369.	0.7	17
41	<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
42	Does theory of planned behaviour play a role in predicting uptake of colorectal cancer screening? A cross-sectional study in Hong Kong. <i>BMJ Open</i> , 2020, 10, e037619.	0.8	15
43	Tendon tissue engineering with mesenchymal stem cells and biografts an option for large tendon defects. <i>Frontiers in Bioscience - Scholar</i> , 2009, S1, 23-32.	0.8	13
44	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
45	Serology, virulence and molecular characteristics of <i>Vibrio parahaemolyticus</i> isolated from seafood in Zhejiang province. <i>PLoS ONE</i> , 2018, 13, e0204892.	1.1	12
46	Protocatechuic Acid Suppresses Microglia Activation and Facilitates M1 to M2 Phenotype Switching in Intracerebral Hemorrhage Mice. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 105765.	0.7	12
47	Bone marrow mesenchymal stem cells transplantation alleviates brain injury after intracerebral hemorrhage in mice through the Hippo signaling pathway. <i>Aging</i> , 2020, 12, 6306-6323.	1.4	12
48	A Global Evaluation of the Performance Indicators of Colorectal Cancer Screening with Fecal Immunochemical Tests and Colonoscopy: A Systematic Review and Meta-Analysis. <i>Cancers</i> , 2022, 14, 1073.	1.7	12
49	Circulating MiR-1290 as a potential diagnostic and disease monitoring biomarker of human gastrointestinal tumors. <i>BMC Cancer</i> , 2021, 21, 989.	1.1	11
50	Microgel Single-Cell Culture Arrays on a Microfluidic Chip for Selective Expansion and Recovery of Colorectal Cancer Stem Cells. <i>Analytical Chemistry</i> , 2021, 93, 12628-12638.	3.2	11
51	Effect of tyrosine hydroxylase overexpression in lymphocytes on the differentiation and function of T helper cells. <i>International Journal of Molecular Medicine</i> , 2016, 38, 635-642.	1.8	10
52	Chordoid Glioma of the Third Ventricle: A Case Report and a Treatment Strategy to This Rare Tumor. <i>Frontiers in Oncology</i> , 2020, 10, 502.	1.3	10
53	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
54	Vagus nerve stimulation suppresses corticotropin-releasing factor-induced adrenocorticotrophic hormone release in rats. <i>NeuroReport</i> , 2021, 32, 792-796.	0.6	8

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55	Protocatechuic acid attenuates brain edema and blood-brain barrier disruption after intracerebral hemorrhage in mice by promoting Nrf2/HO-1 pathway. <i>NeuroReport</i> , 2020, 31, 1274-1282.	0.6	8
56	Rate of detection of serrated lesions at colonoscopy in an average-risk population: a meta-analysis of 129,001 individuals. <i>Endoscopy International Open</i> , 2021, 09, E472-E481.	0.9	7
57	Rapid positioning of nasogastric tube by ultrasound in COVID-19 patients. <i>Critical Care</i> , 2020, 24, 568.	2.5	5
58	The reproductive number of Lassa fever: a systematic review. <i>Journal of Travel Medicine</i> , 2021, 28, .	1.4	4
59	Virulence, Antimicrobial Susceptibility, Molecular and Epidemiological Characteristics of a New Serotype of <i>Vibrio parahaemolyticus</i> From Diarrhea Patients. <i>Frontiers in Microbiology</i> , 2020, 11, 2025.	1.5	3
60	Systemic and single cell level responses to 1Ånm size biomaterials demonstrate distinct biological effects revealed by multi-omics atlas. <i>Bioactive Materials</i> , 2022, 18, 199-212.	8.6	3
61	Rapid Identification and Antimicrobial Susceptibility Testing Directly from Blood Cultures of Gram-negative and Gram-positive Isolates. <i>Clinical Laboratory</i> , 2013, 59, 1305-10.	0.2	2
62	A Novel Strategy Incorporated the Power of Mesenchymal Stem Cells to Allografts for Segmental Bone Tissue Engineering. <i>Cell Transplantation</i> , 2010, 19, 1215-1215.	1.2	1
63	112Å€...Stepwise Induction Of Differentiation Of Human Induce Pluripotent Stem Cells Into Teno-lineage. <i>British Journal of Sports Medicine</i> , 2014, 48, A73-A74.	3.1	1
64	Gel-Free Single-Cell Culture Arrays on a Microfluidic Chip for Highly Efficient Expansion and Recovery of Colon Cancer Stem Cells. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 3623-3632.	2.6	1
65	42Å€...Inhibition Of Hif-2Å± Signalling With Digoxin Decreases Calcification In Tendinopathy. <i>British Journal of Sports Medicine</i> , 2014, 48, A27.2-A28.	3.1	0
66	IDDF2020-ABS-0142Å€...Performance indicators of organised colorectal cancer screening programmes using faecal immunochemical tests and colonoscopy: a systematic review and meta-analysis. , 2020, , .		0