

Xiao Chen

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,663
citations

236925

25
h-index

197818

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.	11.4	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.	3.2	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.	11.4	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.	11.4	129
5	Force and scleraxis synergistically promote the commitment of human ES cells derived MSCs to tenocytes. <i>Scientific Reports</i> , 2012, 2, 977.	3.3	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.	5.7	112
7	Exosomes-loaded thermosensitive hydrogels for corneal epithelium and stroma regeneration. <i>Biomaterials</i> , 2022, 280, 121320.	11.4	103
8	Single-cell analysis reveals a nestin ⁺ tendon stem/progenitor cell population with strong tenogenic potentiality. <i>Science Advances</i> , 2016, 2, e1600874.	10.3	100
9	Alignment of collagen fiber in knitted silk scaffold for functional massive rotator cuff repair. <i>Acta Biomaterialia</i> , 2017, 51, 317-329.	8.3	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.	3.3	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.	4.2	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.	11.4	84
13	Global incidence and mortality of breast cancer: a trend analysis. <i>Aging</i> , 2021, 13, 5748-5803.	3.1	80
14	An epigenetic bioactive composite scaffold with well-aligned nanofibers for functional tendon tissue engineering. <i>Acta Biomaterialia</i> , 2018, 66, 141-156.	8.3	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.	3.1	68
16	Biomimetic tendon extracellular matrix composite gradient scaffold enhances ligament-to-bone junction reconstruction. <i>Acta Biomaterialia</i> , 2017, 56, 129-140.	8.3	60
17	TGF- β 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.	4.1	59
18	Fetal and adult fibroblasts display intrinsic differences in tendon tissue engineering and regeneration. <i>Scientific Reports</i> , 2014, 4, 5515.	3.3	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.	8.2	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.	8.3	50
21	Biomimetic strategies for tendon/ligament-to-bone interface regeneration. <i>Bioactive Materials</i> , 2021, 6, 2491-2510.	15.6	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.	4.1	42
23	Concise Review: Stem Cell Fate Guided By Bioactive Molecules for Tendon Regeneration. <i>Stem Cells Translational Medicine</i> , 2018, 7, 404-414.	3.3	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.	3.6	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.	3.3	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.	1.9	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.	4.1	28
28	Pharmacological Regulation of In Situ Tissue Stem Cells Differentiation for Soft Tissue Calcification Treatment. <i>Stem Cells</i> , 2016, 34, 1083-1096.	3.2	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.	10.0	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.	3.9	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.	3.7	25
32	Protocatechuic acid exerts protective effects via suppression of the P38/JNK- NF- κ B signalling pathway in an experimental mouse model of intracerebral haemorrhage. <i>European Journal of Pharmacology</i> , 2019, 854, 128-138.	3.5	24
33	Ectopic tissue engineered ligament with silk collagen scaffold for ACL regeneration: A preliminary study. <i>Acta Biomaterialia</i> , 2017, 53, 307-317.	8.3	22
34	Melatonin Prevents Mice Cortical Astrocytes From Hemin-Induced Toxicity Through Activating PKC δ /Nrf2/HO-1 Signaling in vitro. <i>Frontiers in Neuroscience</i> , 2019, 13, 760.	2.8	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.	15.6	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.	4.8	20

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37	Effects of mesenchymal stem cells harboring the Interferon- β gene on A549 lung cancer in nude mice. Pathology Research and Practice, 2019, 215, 586-593.	2.3	18
38	3D printing of chemical-empowered tendon stem/progenitor cells for functional tissue repair. Biomaterials, 2021, 271, 120722.	11.4	18
39	Small molecule therapeutics for inflammation-associated chronic musculoskeletal degenerative diseases: Past, present and future. Experimental Cell Research, 2017, 359, 1-9.	2.6	17
40	Factors associated with participation in colorectal cancer screening: A population-based study of 7200 individuals. European Journal of Cancer Care, 2021, 30, e13369.	1.5	17
41	<i>Fos</i> Promotes Early Stage Teno-Lineage Differentiation of Tendon Stem/Progenitor Cells in Tendon. Stem Cells Translational Medicine, 2017, 6, 2009-2019.	3.3	16
42	Does theory of planned behaviour play a role in predicting uptake of colorectal cancer screening? A cross-sectional study in Hong Kong. BMJ Open, 2020, 10, e037619.	1.9	15
43	Tendon tissue engineering with mesenchymal stem cells and biografts an option for large tendon defects. Frontiers in Bioscience - Scholar, 2009, S1, 23-32.	2.1	13
44	bFGF promotes adipocyte differentiation in human mesenchymal stem cells derived from embryonic stem cells. Genetics and Molecular Biology, 2014, 37, 127-134.	1.3	13
45	Serology, virulence and molecular characteristics of <i>Vibrio parahaemolyticus</i> isolated from seafood in Zhejiang province. PLoS ONE, 2018, 13, e0204892.	2.5	12
46	Protocatechuic Acid Suppresses Microglia Activation and Facilitates M1 to M2 Phenotype Switching in Intracerebral Hemorrhage Mice. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105765.	1.6	12
47	Bone marrow mesenchymal stem cells transplantation alleviates brain injury after intracerebral hemorrhage in mice through the Hippo signaling pathway. Aging, 2020, 12, 6306-6323.	3.1	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. Cancers, 2022, 14, 1073.	3.7	12
49	Circulating MiR-1290 as a potential diagnostic and disease monitoring biomarker of human gastrointestinal tumors. BMC Cancer, 2021, 21, 989.	2.6	11
50	Microgel Single-Cell Culture Arrays on a Microfluidic Chip for Selective Expansion and Recovery of Colorectal Cancer Stem Cells. Analytical Chemistry, 2021, 93, 12628-12638.	6.5	11
51	Effect of tyrosine hydroxylase overexpression in lymphocytes on the differentiation and function of T helper cells. International Journal of Molecular Medicine, 2016, 38, 635-642.	4.0	10
52	Chordoid Glioma of the Third Ventricle: A Case Report and a Treatment Strategy to This Rare Tumor. Frontiers in Oncology, 2020, 10, 502.	2.8	10
53	Pharmacological Inhibition of Rac1 Activity Prevents Pathological Calcification and Enhances Tendon Regeneration. ACS Biomaterials Science and Engineering, 2019, 5, 3511-3522.	5.2	9
54	Vagus nerve stimulation suppresses corticotropin-releasing factor-induced adrenocorticotrophic hormone release in rats. NeuroReport, 2021, 32, 792-796.	1.2	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.	1.2	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.	1.8	7
57	Rapid positioning of nasogastric tube by ultrasound in COVID-19 patients. <i>Critical Care</i> , 2020, 24, 568.	5.8	5
58	The reproductive number of Lassa fever: a systematic review. <i>Journal of Travel Medicine</i> , 2021, 28, .	3.0	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.	3.5	3
60	Systemic and single cell level responses to 1Ânm size biomaterials demonstrate distinct biological effects revealed by multi-omics atlas. <i>Bioactive Materials</i> , 2022, 18, 199-212.	15.6	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.	0.5	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.	2.5	1
63	112â€...Stepwise Induction Of Differentiation Of Human Induced Pluripotent Stem Cells Into Teno-lineage. <i>British Journal of Sports Medicine</i> , 2014, 48, A73-A74.	6.7	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.	5.2	1
65	42â€...Inhibition Of Hif-2Î± Signalling With Digoxin Decreases Calcification In Tendinopathy. <i>British Journal of Sports Medicine</i> , 2014, 48, A27.2-A28.	6.7	0
66	IDDF2020-ABS-0142â€...Performance indicators of organised colorectal cancer screening programmes using faecal immunochemical tests and colonoscopy: a systematic review and meta-analysis. , 2020, , .		0