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	Hierarchical ultrastructure: An overview of what is known about tendons and future perspective for tendon engineering. Bioactive Materials, 2022, 8, 124-139.	8.6	21
2	Exosomes-loaded thermosensitive hydrogels for corneal epithelium and stroma regeneration. Biomaterials, 2022, 280, 121320.	5.7	103
3	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.	1.7	12
4	Systemic and single cell level responses to 1Ânm size biomaterials demonstrate distinct biological effects revealed by multi-omics atlas. Bioactive Materials, 2022, 18, 199-212.	8.6	3
5	Gel-Free Single-Cell Culture Arrays on a Microfluidic Chip for Highly Efficient Expansion and Recovery of Colon Cancer Stem Cells. ACS Biomaterials Science and Engineering, 2022, 8, 3623-3632.	2.6	1
6	Factors associated with participation in colorectal cancer screening: A populationâ€based study of 7200 individuals. European Journal of Cancer Care, 2021, 30, e13369.	0.7	17
7	Superspreading and heterogeneity in transmission of SARS, MERS, and COVID-19: A systematic review. Computational and Structural Biotechnology Journal, 2021, 19, 5039-5046.	1.9	28
8	Rate of detection of serrated lesions at colonoscopy in an average-risk population: a meta-analysis of 129,001 individuals. Endoscopy International Open, 2021, 09, E472-E481.	0.9	7
9	Global incidence and mortality of breast cancer: a trend analysis. Aging, 2021, 13, 5748-5803.	1.4	80
10	The reproductive number of Lassa fever: a systematic review. Journal of Travel Medicine, 2021, 28, .	1.4	4
11	Change in eating habits and physical activities before and during the COVID-19 pandemic in Hong Kong: a crossâ€sectional study via random telephone survey. Journal of the International Society of Sports Nutrition, 2021, 18, 33.	1.7	26
12	3D printing of chemical-empowered tendon stem/progenitor cells for functional tissue repair. Biomaterials, 2021, 271, 120722.	5.7	18
13	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.	0.7	12
14	Vagus nerve stimulation suppresses corticotropin-releasing factor-induced adrenocorticotropic hormone release in rats. NeuroReport, 2021, 32, 792-796.	0.6	8
15	Biomimetic strategies for tendon/ligament-to-bone interface regeneration. Bioactive Materials, 2021, 6, 2491-2510.	8.6	50
16	Circulating MiR-1290 as a potential diagnostic and disease monitoring biomarker of human gastrointestinal tumors. BMC Cancer, 2021, 21, 989.	1.1	11
17	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.	3.2	11
18	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. BMJ Open, 2021, 11, e049752.	0.8	29

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19	Screening Therapeutic Agents Specific to Breast Cancer Stem Cells Using a Microfluidic Singleâ€Cell Cloneâ€Forming Inhibition Assay. Small, 2020, 16, e1901001.	5.2	27
20	Rapid positioning of nasogastric tube by ultrasound in COVID-19 patients. Critical Care, 2020, 24, 568.	2.5	5
21	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.	0.8	15
22	Virulence, Antimicrobial Susceptibility, Molecular and Epidemiological Characteristics of a New Serotype of Vibrio parahaemolyticus From Diarrhea Patients. Frontiers in Microbiology, 2020, 11, 2025.	1.5	3
23	SLC1A3 promotes gastric cancer progression via the PI3K/AKT signalling pathway. Journal of Cellular and Molecular Medicine, 2020, 24, 14392-14404.	1.6	36
24	Chordoid Glioma of the Third Ventricle: A Case Report and a Treatment Strategy to This Rare Tumor. Frontiers in Oncology, 2020, 10, 502.	1.3	10
25	Global, regional and time-trend prevalence of central obesity: a systematic review and meta-analysis of 13.2 million subjects. European Journal of Epidemiology, 2020, 35, 673-683.	2.5	112
26	Protocatechuic acid attenuates brain edema and blood-brain barrier disruption after intracerebral hemorrhage in mice by promoting Nrf2/HO-1 pathway. NeuroReport, 2020, 31, 1274-1282.	0.6	8
27	Tendon-derived cathepsin Kâ€“expressing progenitor cells activate Hedgehog signaling to drive heterotopic ossification. Journal of Clinical Investigation, 2020, 130, 6354-6365.	3.9	54
28	Bone marrow mesenchymal stem cells transplantation alleviates brain injury after intracerebral hemorrhage in mice through the Hippo signaling pathway. Aging, 2020, 12, 6306-6323.	1.4	12
29	BM-MSC Transplantation Alleviates Intracerebral Hemorrhage-Induced Brain Injury, Promotes Astrocytes Vimentin Expression, and Enhances Astrocytes Antioxidation via the Cx43/Nrf2/HO-1 Axis. Frontiers in Cell and Developmental Biology, 2020, 8, 302.	1.8	25
30	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
31	Melatonin Prevents Mice Cortical Astrocytes From Hemin-Induced Toxicity Through Activating PKCÎ±/Nrf2/HO-1 Signaling in vitro. Frontiers in Neuroscience, 2019, 13, 760.	1.4	21
32	Effects of mesenchymal stem cells harboring the Interferon-Î² gene on A549 lung cancer in nude mice. Pathology Research and Practice, 2019, 215, 586-593.	1.0	18
33	Pharmacological Inhibition of Rac1 Activity Prevents Pathological Calcification and Enhances Tendon Regeneration. ACS Biomaterials Science and Engineering, 2019, 5, 3511-3522.	2.6	9
34	Protocatechuic acid exerts protective effects via suppression of the P38/JNK- NF-ÎºB signalling pathway in an experimental mouse model of intracerebral haemorrhage. European Journal of Pharmacology, 2019, 854, 128-138.	1.7	24
35	Concise Review: Stem Cell Fate Guided By Bioactive Molecules for Tendon Regeneration. Stem Cells Translational Medicine, 2018, 7, 404-414.	1.6	41
36	Exogenous stromal derived factor-1 releasing silk scaffold combined with intra-articular injection of progenitor cells promotes bone-ligament-bone regeneration. Acta Biomaterialia, 2018, 71, 168-183.	4.1	50

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37	An epigenetic bioactive composite scaffold with well-aligned nanofibers for functional tendon tissue engineering. Acta Biomaterialia, 2018, 66, 141-156.	4.1	78
38	Serology, virulence and molecular characteristics of Vibrio parahaemolyticus isolated from seafood in Zhejiang province. PLoS ONE, 2018, 13, e0204892.	1.1	12
39	Physical Microenvironment-Based Inducible Scaffold for Stem Cell Differentiation and Tendon Regeneration. Tissue Engineering - Part B: Reviews, 2018, 24, 443-453.	2.5	20
40	Ectopic tissue engineered ligament with silk collagen scaffold for ACL regeneration: A preliminary study. Acta Biomaterialia, 2017, 53, 307-317.	4.1	22
41	Alignment of collagen fiber in knitted silk scaffold for functional massive rotator cuff repair. Acta Biomaterialia, 2017, 51, 317-329.	4.1	91
42	TGF-Î²1 Neuroprotection via Inhibition of Microglial Activation in a Rat Model of Parkinsonâ€™s Disease. Journal of NeuroImmune Pharmacology, 2017, 12, 433-446.	2.1	59
43	Biomimetic tendon extracellular matrix composite gradient scaffold enhances ligament-to-bone junction reconstruction. Acta Biomaterialia, 2017, 56, 129-140.	4.1	60
44	Intratendon Delivery of Leukocyte-Poor Platelet-Rich Plasma Improves Healing Compared With Leukocyte-Rich Platelet-Rich Plasma in a Rabbit Achilles Tendinopathy Model. American Journal of Sports Medicine, 2017, 45, 1909-1920.	1.9	85
45	Fos Promotes Early Stage Teno-Lineage Differentiation of Tendon Stem/Progenitor Cells in Tendon. Stem Cells Translational Medicine, 2017, 6, 2009-2019.	1.6	16
46	Small molecule therapeutics for inflammation-associated chronic musculoskeletal degenerative diseases: Past, present and future. Experimental Cell Research, 2017, 359, 1-9.	1.2	17
47	Interleukin-10 Protection against Lipopolysaccharide-Induced Neuro-Inflammation and Neurotoxicity in Ventral Mesencephalic Cultures. International Journal of Molecular Sciences, 2016, 17, 25.	1.8	42
48	Characterization and comparison of post-natal rat Achilles tendon-derived stem cells at different development stages. Scientific Reports, 2016, 6, 22946.	1.6	30
49	Stepwise Differentiation of Mesenchymal Stem Cells Augments Tendon-Like Tissue Formation and Defect Repair In Vivo. Stem Cells Translational Medicine, 2016, 5, 1106-1116.	1.6	85
50	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.	1.8	10
51	Single-cell analysis reveals a nestin ⁺ tendon stem/progenitor cell population with strong tenogenic potentiality. Science Advances, 2016, 2, e1600874.	4.7	100
52	Pharmacological Regulation of In Situ Tissue Stem Cells Differentiation for Soft Tissue Calcification Treatment. Stem Cells, 2016, 34, 1083-1096.	1.4	27
53	Electrospun scaffolds for multiple tissues regeneration inÂvivo through topography dependent induction of lineage specific differentiation. Biomaterials, 2015, 44, 173-185.	5.7	129
54	Well-aligned chitosan-based ultrafine fibers committed teno-lineage differentiation of human induced pluripotent stem cells for Achilles tendon regeneration. Biomaterials, 2015, 53, 716-730.	5.7	154

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55	bFGF promotes adipocyte differentiation in human mesenchymal stem cells derived from embryonic stem cells. Genetics and Molecular Biology, 2014, 37, 127-134.	0.6	13
56	42â€…Inhibition Of Hif-2Î± Signalling With Digoxin Decreases Calcification In Tendinopathy. British Journal of Sports Medicine, 2014, 48, A27.2-A28.	3.1	0
57	Scleraxis-Overexpressed Human Embryonic Stem Cellâ€“Derived Mesenchymal Stem Cells for Tendon Tissue Engineering with Knitted Silk-Collagen Scaffold. Tissue Engineering - Part A, 2014, 20, 1583-1592.	1.6	68
58	Long-term effects of knitted silkâ€“collagen sponge scaffold on anterior cruciate ligament reconstruction and osteoarthritis prevention. Biomaterials, 2014, 35, 8154-8163.	5.7	84
59	112â€…Stepwise Induction Of Differentiation Of Human Induce Pluripotent Stem Cells Into Teno-lineage. British Journal of Sports Medicine, 2014, 48, A73-A74.	3.1	1
60	Fetal and adult fibroblasts display intrinsic differences in tendon tissue engineering and regeneration. Scientific Reports, 2014, 4, 5515.	1.6	55
61	Rapid Identification and Antimicrobial Susceptibility Testing Directly from Blood Cultures of Gram-negative and Gram-positive Isolates. Clinical Laboratory, 2013, 59, 1305-10.	0.2	2
62	Force and scleraxis synergistically promote the commitment of human ES cells derived MSCs to tenocytes. Scientific Reports, 2012, 2, 977.	1.6	113
63	A Novel Strategy Incorporated the Power of Mesenchymal Stem Cells to Allografts for Segmental Bone Tissue Engineering. Cell Transplantation, 2010, 19, 1215-1215.	1.2	1
64	Tendon tissue engineering with mesenchymal stem cells and biografts an option for large tendon defects. Frontiers in Bioscience - Scholar, 2009, S1, 23-32.	0.8	13
65	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
66	Ligament regeneration using a knitted silk scaffold combined with collagen matrix. Biomaterials, 2008, 29, 3683-3692.	5.7	190