Ting-Wu Qin

List of Publications by Year
in descending order

43 papers	1,120 citations	430442 18 h-index	414034 32 g-index
52 all docs	52 docs citations	52 times ranked	1459 citing authors

#	Article	IF	Citations
1	A multi-step method for preparation of porcine small intestinal submucosa (SIS). Biomaterials, 2011, 32, 706-713.	5.7	121
2	Preparation and characterization of decellularized tendon slices for tendon tissue engineering. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1448-1456.	2.1	89
3	The utilization of decellularized tendon slices to provide an inductive microenvironment for the proliferation and tenogenic differentiation of stem cells. Biomaterials, 2015, 52, 539-550.	5.7	82
4	Preparation and characterization of pro-angiogenic gel derived from small intestinal submucosa. Acta Biomaterialia, 2016, 29, 135-148.	4.1	73
5	Effect of mechanical stimulation on bone marrow stromal cellâ€“seeded tendon slice constructs: A potential engineered tendon patch for rotator cuff repair. Biomaterials, 2015, 51, 43-50.	5.7	72
6	Self-fitting shape memory polymer foam inducing bone regeneration: A rabbit femoral defect study. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 936-945.	1.1	62
7	Decellularization of porcine skeletal muscle extracellular matrix for the formulation of a matrix hydrogel: a preliminary study. Journal of Cellular and Molecular Medicine, 2016, 20, 740-749.	1.6	58
8	Adhesion strength of human tenocytes to extracellular matrix component-modified poly(dl-lactide-co-glycolide) substrates. Biomaterials, 2005, 26, 6635-6642.	5.7	48
9	Mechanically Robust Shape Memory Polyurethane Nanocomposites for Minimally Invasive Bone Repair. ACS Applied Bio Materials, 2019, 2, 1056-1065.	2.3	44
10	The performance of a bone-derived scaffold material in the repair of critical bone defects in a rhesus monkey model. Biomaterials, 2007, 28, 3314-3324.	5.7	42
11	Rotator cuff repair using a decellularized tendon slices graft: an in vivo study in a rabbit model. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 1524-1535.	2.3	35
12	High performance shape memory foams with isocyanate-modified hydroxyapatite nanoparticles for minimally invasive bone regeneration. Ceramics International, 2017, 43, 4794-4802.	2.3	32
13	Design of a Smart Nerve Conduit Based on a Shapeâ€Memory Polymer. Advanced Materials Technologies, 2016, 1, 1600015.	3.0	31
14	Bridging Repair of Large Rotator Cuff Tears Using a Multilayer Decellularized Tendon Slices Graft in a Rabbit Model. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2018, 34, 2569-2578.	1.3	30
15	Mechanical characteristics of native tendon slices for tissue engineering scaffold. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 752-758.	1.6	27
16	Fabrication and characterization of a decellularized bovine tendon sheet for tendon reconstruction. Journal of Biomedical Materials Research - Part A, 2017, 105, 2299-2311.	2.1	26
17	bFGF- and CaPP-Loaded Fibrin Clots Enhance the Bioactivity of the Tendon-Bone Interface to Augment Healing. American Journal of Sports Medicine, 2016, 44, 1972-1982.	1.9	22
18	A programmable, fast-fixing, osteo-regenerative, biomechanically robust bone screw. Acta Biomaterialia, 2020, 103, 293-305.	4.1	21

#	Article	IF	Citations
19	Evaluation of Decellularized Bovine Tendon Sheets for Achilles Tendon Defect Reconstruction in a Rabbit Model. American Journal of Sports Medicine, 2018, 46, 2687-2699.	1.9	18
20	An engineered tendon/ligament bioscaffold derived from decellularized and demineralized cortical bone matrix. Journal of Biomedical Materials Research - Part A, 2018, 106, 468-478.	2.1	16
21	Hierarchically Demineralized Cortical Bone Combined With Stem Cellâ€"Derived Extracellular Matrix for Regeneration of the Tendon-Bone Interface. American Journal of Sports Medicine, 2021, 49, 1323-1332.	1.9	16
22	Stem Cell Extracellular Matrix-Modified Decellularized Tendon Slices Facilitate the Migration of Bone Marrow Mesenchymal Stem Cells. ACS Biomaterials Science and Engineering, 2019, 5, 4485-4495.	2.6	14
23	A â€œtrampolineâ€•nanocomposite: Tuning the interlayer spacing in graphene oxide/polyurethane to achieve coalesced mechanical and memory properties. Composites Science and Technology, 2019, 180, 14-22.	3.8	14
24	Enhancement of Migration and Tenogenic Differentiation of Macaca Mulatta Tendon-Derived Stem Cells by Decellularized Tendon Hydrogel. Frontiers in Cell and Developmental Biology, 2021, 9, 651583.	1.8	14
25	Effects of scaffold surface morphology on cell adhesion and survival rate in vitreous cryopreservation of tenocyte-scaffold constructs. Applied Surface Science, 2016, 388, 223-227.	3.1	13
26	Enhancement of tenogenic differentiation of rat tendonâ€derived stem cells by biglycan. Journal of Cellular Physiology, 2019, 234, 15898-15910.	2.0	13
27	Tissue-engineered ribs for chest wall reconstruction: a case with 12-year follow-up. Regenerative Medicine, 2014, 9, 431-436.	0.8	11
28	Topographical Control of Preosteoblast Culture by Shape Memory Foams. Advanced Engineering Materials, 2017, 19, 1600343.	1.6	10
29	The impact of associated injuries and fracture classifications on the treatment of capitellum and trochlea fractures: A systematic review and meta-analysis. International Journal of Surgery, 2018, 54, 37-47.	1.1	9
30	Effects of hydrogen peroxide on biological characteristics and osteoinductivity of decellularized and demineralized bone matrices. Journal of Biomedical Materials Research - Part A, 2019, 107, 1476-1490.	2.1	9
31	Biomechanically and biochemically functional scaffold for recruitment of endogenous stem cells to promote tendon regeneration. Npj Regenerative Medicine, 2022, 7, 26.	2.5	9
32	Fabrication and characterization of a pro-angiogenic hydrogel derived from the human placenta. Biomaterials Science, 2022, 10, 2062-2075.	2.6	8
33	Effects of 20% demineralization on surface physical properties of compact bone scaffold and bone remodeling response at interface after orthotopic implantation. Bone, 2009, 45, 301-308.	1.4	7
34	Effects of micropatterned surfaces coated with type I collagen on the proliferation and morphology of tenocytes. Applied Surface Science, 2008, 255, 368-370.	3.1	6
35	Combined use of Kirschner wires and hinged external fixator for capitellar and trochlear fractures: a minimum 24â€month followâ€up. ANZ Journal of Surgery, 2019, 89, 196-200.	0.3	5
36	Influence of the integrity of tendinous membrane and fascicle on biomechanical characteristics of tendon-derived scaffolds. Biomedical Materials (Bristol), 2021, 16, 015029.	1.7	4

#	Article	IF	Citations
37	The cytoptrotection of small intestinal submucosaâ€derived gel in HLâ€1 cells during hypoxia/reoxygenationâ€induced injury. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 1346-1361.	1.3	3
38	Surface configuration properties of partially demineralized bio-derived compact bone scaffolds. Applied Surface Science, 2008, 255, 449-451.	3.1	2
39	Biomechanical Evaluation of Augmentation of Osteoporotic Cancellous Bone with an Injectable Nano-hydroxyapatite/Polyamide 66 Composite Cement. Journal of Hard Tissue Biology, 2005, 14, 282-283.	0.2	1
40	Segmentally Demineralized Cortical Bone With Stem Cell-Derived Matrix Promotes Proliferation, Migration and Differentiation of Stem Cells in vitro. Frontiers in Cell and Developmental Biology, 2021, 9, 776884.	1.8	1
41	Constructing a highly bioactive tendon-regenerative scaffold by surface modification of tissue-specific stem cell derived extracellular matrix. International Journal of Energy Production and Management, 2022, 9, rbac020.	1.9	1
42	Nerve Regeneration: Design of a Smart Nerve Conduit Based on a Shape-Memory Polymer (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10	3.0	0
43	In Vitro and In Vivo Performance of Tissue-Engineered Tendons for Anterior Cruciate Ligament Reconstruction: Letter to the Editor. American Journal of Sports Medicine, 2018, 46, NP60-NP61.	1.9	0