Pauline Po Yee Lui

List of Publications by Citations

69 papers	2,844 citations	34 h-index	52 g-index
71 ext. papers	3,208 ext. citations	3.9 avg, IF	5.49 L-index

#	Paper	IF	Citations
69	Isolation and characterization of multipotent rat tendon-derived stem cells. *Tissue Engineering - Part A*, **2010**, 16, 1549-58	3.9	212
68	Tendon-derived stem cells (TDSCs) promote tendon repair in a rat patellar tendon window defect model. *Journal of Orthopaedic Research*, **2012**, 30, 613-9	3.8	148
67	Mechanical loading increased BMP-2 expression which promoted osteogenic differentiation of tendon-derived stem cells. *Journal of Orthopaedic Research*, **2011**, 29, 390-6	3.8	141
66	Comparison of potentials of stem cells isolated from tendon and bone marrow for musculoskeletal tissue engineering. *Tissue Engineering - Part A*, **2012**, 18, 840-51	3.9	136
65	What are the validated animal models for tendinopathy?. *Scandinavian Journal of Medicine and Science in Sports*, **2011**, 21, 3-17	4.6	112
64	Biology and augmentation of tendon-bone insertion repair. *Journal of Orthopaedic Surgery and Research*, **2010**, 5, 59	2.8	107
63	Tendon-derived stem cells (TDSCs): from basic science to potential roles in tendon pathology and tissue engineering applications. *Stem Cell Reviews and Reports*, **2011**, 7, 883-97	6.4	99
62	Application of tendon-derived stem cell sheet for the promotion of graft healing in anterior cruciate ligament reconstruction. *American Journal of Sports Medicine*, **2014**, 42, 681-9	6.8	80
61	Effect of in vitro passaging on the stem cell-related properties of tendon-derived stem cells-implications in tissue engineering. *Stem Cells and Development*, **2012**, 21, 790-800	4.4	67
60	In vivo identity of tendon stem cells and the roles of stem cells in tendon healing. *Stem Cells and Development*, **2013**, 22, 3128-40	4.4	65
59	Tenogenic differentiation of stem cells for tendon repair-what is the current evidence?. *Journal of Tissue Engineering and Regenerative Medicine*, **2011**, 5, e144-63	4.4	65
58	Hypoxia-mediated efficient expansion of human tendon-derived stem cells in vitro. *Tissue Engineering - Part A*, **2012**, 18, 484-98	3.9	63
57	Chondrocyte phenotype and ectopic ossification in collagenase-induced tendon degeneration. *Journal of Histochemistry and Cytochemistry*, **2009**, 57, 91-100	3.4	60
56	Sustained expression of proteoglycans and collagen type III/type I ratio in a calcified tendinopathy model. *Rheumatology*, **2010**, 49, 231-9	3.9	59
55	Deciphering the pathogenesis of tendinopathy: a three-stages process. *BMC Sports Science, Medicine and Rehabilitation*, **2010**, 2, 30	2.4	57
54	Altered fate of tendon-derived stem cells isolated from a failed tendon-healing animal model of tendinopathy. *Stem Cells and Development*, **2013**, 22, 1076-85	4.4	53
53	Uniaxial mechanical tension promoted osteogenic differentiation of rat tendon-derived stem cells (rTDSCs) via the Wnt5a-RhoA pathway. *Journal of Cellular Biochemistry*, **2012**, 113, 3133-42	4.7	52

52	Continuous cyclic mechanical tension inhibited Runx2 expression in mesenchymal stem cells through RhoA-ERK1/2 pathway. *Journal of Cellular Physiology*, **2011**, 226, 2159-69	7	50
51	Expression of sensory neuropeptides in tendon is associated with failed healing and activity-related tendon pain in collagenase-induced tendon injury. *American Journal of Sports Medicine*, **2010**, 38, 757-64	6.8	48
50	The nucleus of HeLa cell contains tubular structures for Ca2+ signalling. *Biochemical and Biophysical Research Communications*, **1998**, 247, 88-93	3.4	45
49	Transplantation of tendon-derived stem cells pre-treated with connective tissue growth factor and ascorbic acid in vitro promoted better tendon repair in a patellar tendon window injury rat model. *Cytotherapy*, **2016**, 18, 99-112	4.8	44
48	The effect of early whole-body vibration therapy on neuromuscular control after anterior cruciate ligament reconstruction: a randomized controlled trial. *American Journal of Sports Medicine*, **2013**, 41, 804-14	6.8	42
47	Expression of chondro-osteogenic BMPs in ossified failed tendon healing model of tendinopathy. *Journal of Orthopaedic Research*, **2011**, 29, 816-21	3.8	42
46	Higher BMP receptor expression and BMP-2-induced osteogenic differentiation in tendon-derived stem cells compared with bone-marrow-derived mesenchymal stem cells. *International Orthopaedics*, **2012**, 36, 1099-107	3.8	41
45	BMP-2 stimulated non-tenogenic differentiation and promoted proteoglycan deposition of tendon-derived stem cells (TDSCs) in vitro. *Journal of Orthopaedic Research*, **2013**, 31, 746-53	3.8	41
44	Identity of tendon stem cells--how much do we know?. *Journal of Cellular and Molecular Medicine*, **2013**, 17, 55-64	5.6	40
43	Stem cell technology for tendon regeneration: current status, challenges, and future research directions. *Stem Cells and Cloning: Advances and Applications*, **2015**, 8, 163-74	2.6	40
42	Increased apoptosis at the late stage of tendon healing. *Wound Repair and Regeneration*, **2007**, 15, 702-7	3.6	40
41	Markers for the identification of tendon-derived stem cells in vitro and tendon stem cells in situ - update and future development. *Stem Cell Research and Therapy*, **2015**, 6, 106	8.3	39
40	Expression of chondro-osteogenic BMPs in clinical samples of patellar tendinopathy. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2012**, 20, 1409-17	5.5	38
39	Scx-transduced tendon-derived stem cells (tdscs) promoted better tendon repair compared to mock-transduced cells in a rat patellar tendon window injury model. *PLoS ONE*, **2014**, 9, e97453	3.7	38
38	An in vitro optimized injectable calcium phosphate cement for augmenting screw fixation in osteopenic goats. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2006**, 78, 153-60	3.5	37
37	The nucleus of HeLa cells contains tubular structures for Ca2+ signaling with the involvement of mitochondria. *Biochemical and Biophysical Research Communications*, **2003**, 308, 826-33	3.4	37
36	Arthroscopic gluteal muscle contracture release with radiofrequency energy. *Clinical Orthopaedics and Related Research*, **2009**, 467, 799-804	2.2	36
35	Expression of bone morphogenetic protein-2 in the chondrogenic and ossifying sites of calcific tendinopathy and traumatic tendon injury rat models. *Journal of Orthopaedic Surgery and Research*, **2009**, 4, 27	2.8	34

34	Tendinopathy in diabetes mellitus patients-Epidemiology, pathogenesis, and management. *Scandinavian Journal of Medicine and Science in Sports*, **2017**, 27, 776-787	4.6	33
33	Alendronate reduced peri-tunnel bone loss and enhanced tendon graft to bone tunnel healing in anterior cruciate ligament reconstruction. *European Cells and Materials*, **2013**, 25, 78-96	4.3	33
32	Ectopic chondro-ossification and erroneous extracellular matrix deposition in a tendon window injury model. *Journal of Orthopaedic Research*, **2012**, 30, 37-46	3.8	29
31	The rise of nuclear and cytosolic Ca2+ can be uncoupled in HeLa cells. *Pflugers Archiv European Journal of Physiology*, **1998**, 436, 371-6	4.6	29
30	Histopathological changes in tendinopathy--potential roles of BMPs?. *Rheumatology*, **2013**, 52, 2116-26	3.9	28
29	Inferior tendon graft to bone tunnel healing at the tibia compared to that at the femur after anterior cruciate ligament reconstruction. *Journal of Orthopaedic Science*, **2010**, 15, 389-401	1.6	28
28	The use of motion analysis to measure pain-related behaviour in a rat model of degenerative tendon injuries. *Journal of Neuroscience Methods*, **2009**, 179, 309-18	3	26
27	Electrochemical deposition of hydroxyapatite with vinyl acetate on titanium implants. *Journal of Biomedical Materials Research Part B*, **2003**, 65, 24-9		26
26	Allogeneic tendon-derived stem cells promote tendon healing and suppress immunoreactions in hosts: in vivo model. *Tissue Engineering - Part A*, **2014**, 20, 2998-3009	3.9	25
25	Tendon stem cells: experimental and clinical perspectives in tendon and tendon-bone junction repair. *Muscles, Ligaments and Tendons Journal*, **2012**, 2, 163-8	1.9	23
24	Tai Chi Chuan exercises in enhancing bone mineral density in active seniors. *Clinics in Sports Medicine*, **2008**, 27, 75-86, viii	2.6	21
23	Ca2+ is released from the nuclear tubular structure into nucleoplasm in C6 glioma cells after stimulation with phorbol ester. *FEBS Letters*, **1998**, 432, 82-7	3.8	20
22	A randomized controlled trial comparing bone mineral density changes of three different ACL reconstruction techniques. *Knee*, **2012**, 19, 779-85	2.6	18
21	Cell therapy for the treatment of tendinopathy--a systematic review on the pre-clinical and clinical evidence. *Seminars in Arthritis and Rheumatism*, **2013**, 42, 651-66	5.3	17
20	Local administration of alendronate reduced peri-tunnel bone loss and promoted graft-bone tunnel healing with minimal systemic effect on bone in contralateral knee. *Journal of Orthopaedic Research* , **2013**, 31, 1897-906	3.8	17
19	Higher BMP/Smad sensitivity of tendon-derived stem cells (TDSCs) isolated from the collagenase-induced tendon injury model: possible mechanism for their altered fate in vitro. *BMC Musculoskeletal Disorders*, **2013**, 14, 248	2.8	16
18	Immunogenicity and escape mechanisms of allogeneic tendon-derived stem cells. *Tissue Engineering - Part A*, **2014**, 20, 3010-20	3.9	15
17	Expression of Wnt pathway mediators in metaplasic tissue in animal model and clinical samples of tendinopathy. *Rheumatology*, **2013**, 52, 1609-18	3.9	15

16	The nuclear tubular invaginations are dynamic structures inside the nucleus of HeLa cells. *Canadian Journal of Physiology and Pharmacology*, **2006**, 84, 477-86	2.4	15
15	Biology of Tendon Stem Cells and Tendon in Aging. *Frontiers in Genetics*, **2019**, 10, 1338	4.5	13
14	A practical guide for the isolation and maintenance of stem cells from tendon. *Methods in Molecular Biology*, **2015**, 1212, 127-40	1.4	11
13	The nuclear envelope of resting C6 glioma cells is able to release and uptake Ca2+ in the absence of chemical stimulation. *Pflugers Archiv European Journal of Physiology*, **1998**, 435, 357-61	4.6	11
12	Bioengineering and characterization of physeal transplant with physeal reconstruction potential. *Tissue Engineering*, **2003**, 9, 703-11		11
11	Peri-tunnel bone loss: does it affect early tendon graft to bone tunnel healing after ACL reconstruction?. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2015**, 23, 740-51	5.5	10
10	Orthopaedic sport biomechanics - a new paradigm. *Clinical Biomechanics*, **2008**, 23 Suppl 1, S21-30	2.2	10
9	Mesenchymal Stem Cell-Derived Extracellular Vesicles for the Promotion of Tendon Repair - an Update of Literature. *Stem Cell Reviews and Reports*, **2021**, 17, 379-389	7.3	8
8	Validation of a histologic scoring system for the examination of quality of tendon graft to bone tunnel healing in anterior cruciate ligament reconstruction **2011**, 33, 36-49		8
7	Effect of medial arch-heel support in inserts on reducing ankle eversion: a biomechanics study. *Journal of Orthopaedic Surgery and Research*, **2008**, 3, 7	2.8	7
6	Role of Histone Acetylation and Methylation in Obesity. *Current Pharmacology Reports*, **2019**, 5, 196-203	5.5	4
5	Practical Considerations in Acquiring Biological Signals from Confocal Microscope. *NeuroSignals*, **1997**, 6, 45-51	1.9	4
4	Cytotoxic and sublethal effects of silver nanoparticles on tendon-derived stem cells - implications for tendon engineering. *Toxicology Research*, **2016**, 5, 318-330	2.6	3
3	Inflammatory mechanisms linking obesity and tendinopathy.. *Journal of Orthopaedic Translation*, **2021**, 31, 80-90	4.2	1
2	Tackling the Challenges of Graft Healing After Anterior Cruciate Ligament Reconstruction-Thinking From the Endpoint.. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 756930	5.8	0
1	Areal and Volumetric Bone Densitometry in Evaluation of Tai Chi Chuan Exercise for Prevention of Postmenopausal Osteoporosis **2007**, 505-515		