Tom Appleton

List of Publications by Year
in descending order

51 papers	1,352 citations	471509 17 h-index	345221 36 g-index
54 all docs	54 docs citations	54 times ranked	1742 citing authors

#	Article	IF	Citations
1	Synovitis Is Associated With Constant Pain in Knee Osteoarthritis: A Cross-sectional Study of OMERACT Knee Ultrasound Scores. Journal of Rheumatology, 2022, 49, 89-97.	2.0	11
2	Synovial tissue perivascular edema is associated with altered gait patterns in patients with knee osteoarthritis. Osteoarthritis and Cartilage, 2022, 30, 42-51.	1.3	7
3	Testâ€retest reliability and sensitivity to change of ultrasoundâ€based methods of measuring synovial inflammation in knee osteoarthritis. Arthritis Care and Research, 2022, , .	3.4	1
4	Assessment of Surrogate Markers for Cardiovascular Disease in Familial Mediterranean Fever-Related Amyloidosis Patients Homozygous for M694V Mutation in MEFV Gene. Life, 2022, 12, 631.	2.4	1
5	Association between changes in knee load and effusion-synovitis: evidence of mechano-inflammation in knee osteoarthritis using high tibial osteotomy as a model. Osteoarthritis and Cartilage, 2021, 29, 222-229.	1.3	17
6	Spatially tracked three-dimensional ultrasound imaging for monitoring the synovial membrane in knee arthritis. , 2021, , .		2
7	Participant-reported effect of an Indigenous health continuing professional development initiative for specialists. BMC Medical Education, 2021, 21, 116.	2.4	3
8	Associations between surgically-induced changes in knee loading and biochemical markers of knee inflammation. Osteoarthritis and Cartilage, 2021, 29, S359-S360.	1.3	0
9	Polymer particles for the intra-articular delivery of drugs to treat osteoarthritis. Biomedical Materials (Bristol), 2021, 16, 042006.	3.3	9
10	Global Deletion of Pannexin 3 Resulting in Accelerated Development of Agingâ€Induced Osteoarthritis in Mice. Arthritis and Rheumatology, 2021, 73, 1178-1188.	5.6	20
11	Transient anabolic effects of synovium in early post-traumatic osteoarthritis: a novel ex vivo joint tissue co-culture system for investigating synovium-chondrocyte interactions. Osteoarthritis and Cartilage, 2021, 29, 1060-1070.	1.3	6
12	Genetic Deletion of Interleukin-15 Is Not Associated with Major Structural Changes Following Experimental Post-Traumatic Knee Osteoarthritis in Rats. Applied Sciences (Switzerland), 2021, 11, 7118.	2.5	0
13	Are we missing the target? Are we aiming too low? What are the aerobic exercise prescriptions and their effects on markers of cardiovascular health and systemic inflammation in patients with knee osteoarthritis? A systematic review and meta-analysis. British Journal of Sports Medicine, 2020, 54, 771-775.	6.7	19
14	Sequencing identifies a distinct signature of circulating microRNAs in early radiographic knee osteoarthritis. Osteoarthritis and Cartilage, 2020, 28, 1471-1481.	1.3	43
15	OMERACT-OARSI responder analysis after medial opening wedge high tibial osteotomy and predictors of response. Osteoarthritis and Cartilage, 2020, 28, S79.	1.3	0
16	Effect of high tibial osteotomy on knee articular cartilage composition and effusion synovitis. Osteoarthritis and Cartilage, 2020, 28, S218.	1.3	0
17	Reliability and sensitivity to change of bone marrow lesion scores using the knee inflammation MRI scoring system (KIMRISS) before and after high tibial osteotomy. Osteoarthritis and Cartilage, 2020, 28, S291.	1.3	1
18	Three-dimensional ultrasound for monitoring knee inflammation and cartilage damage in osteoarthritis and rheumatoid arthritis. , 2020, , .		2

#	Article	IF	Citations
19	A systematic review of aerobic exercise programs for patients with knee osteoarthritis and meta-analyses of physiological effects. Osteoarthritis and Cartilage, 2019, 27, S454.	1.3	0
20	Degenerative Meniscal Tears and High Tibial Osteotomy. Clinics in Sports Medicine, 2019, 38, 471-482.	1.8	9
21	Osteoarthritis, cerebrovascular dysfunction and the common denominator of inflammation: a narrative review. Osteoarthritis and Cartilage, 2018, 26, 462-470.	1.3	27
22	Osteoarthritis year in review 2017: biology. Osteoarthritis and Cartilage, 2018, 26, 296-303.	1.3	68
23	Editorial: â€œWeighing inâ€•on the Framingham Osteoarthritis Study: Measuring Biomechanical and Metabolic Contributions to Osteoarthritis. Arthritis and Rheumatology, 2017, 69, 1127-1130.	5.6	14
24	What's pain (sensitization) got to do with it? Microgliosis may be a treatment target in osteoarthritis-related pain sensitization. Osteoarthritis and Cartilage, 2017, 25, 613-615.	1.3	2
25	Year in Review â€“ Osteoarthritis Biology. Osteoarthritis and Cartilage, 2017, 25, S7.	1.3	3
26	Validation of a method to blind assessors to orthopaedic implants when performing MRI measures of articular cartilage morphology. Osteoarthritis and Cartilage, 2016, 24, S316.	1.3	0
27	Reduction in Disease Progression by Inhibition of Transforming Growth Factor Î±â€“CCL2 Signaling in Experimental Posttraumatic Osteoarthritis. Arthritis and Rheumatology, 2015, 67, 2691-2701.	5.6	61
28	ADAMTS-7 forms a positive feedback loop with TNF-Î± in the pathogenesis of osteoarthritis. Annals of the Rheumatic Diseases, 2014, 73, 1575-1584.	0.9	64
29	Canadian Clinician Investigator Training in the 21st Century. Clinical and Investigative Medicine, 2013, 36, 163.	0.6	12
30	It begins with the right supervisor: Importance of mentorship and clinician-investigator trainee satisfaction levels in Canada. Clinical and Investigative Medicine, 2013, 36, 269.	0.6	7
31	Transforming growth factorâ€alpha induces endothelin receptor A expression in osteoarthritis. Journal of Orthopaedic Research, 2012, 30, 1391-1397.	2.3	13
32	Inhibition of transforming growth factor alpha signaling slows progression of osteoarthritis in a dmm model. Osteoarthritis and Cartilage, 2012, 20, S63.	1.3	0
33	Serum hepcidin-25 may replace the ferritin index in the Thomas plot in assessing iron status in anemic patients. International Journal of Laboratory Hematology, 2011, 33, 187-193.	1.3	45
34	74 ADAMTS-7 CONSTITUTES A POSITIVE FEEDBACK LOOP WITH TNFâ€•IN REGULATING CARTILAGE DEGRADATION AND OSTEOARTHRITIS. Osteoarthritis and Cartilage, 2011, 19, S39.	1.3	0
35	128 INHIBITION OF TRANSFORMING GROWTH FACTOR ALPHA SIGNALING SLOWS PROGRESSION OF OSTEOARTHRITIS. Osteoarthritis and Cartilage, 2011, 19, S65.	1.3	0
36	093 INHIBITION OF TRANSFORMING GROWTH FACTOR ALPHA SIGNALING SLOWS PROGRESSION OF OSTEOARTHRITIS. Osteoarthritis and Cartilage, 2010, 18, S48.	1.3	0

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37	Rho/ROCK and MEK/ERK activation by transforming growth factor-Î± induces articular cartilage degradation. Laboratory Investigation, 2010, 90, 20-30.	3.7	103
38	The Pattern Recognition Receptor CD36 Is a Chondrocyte Hypertrophy Marker Associated with Suppression of Catabolic Responses and Promotion of Repair Responses to Inflammatory Stimuli. Journal of Immunology, 2009, 182, 5024-5031.	0.8	53
39	Fâ€spondin, a neuroregulatory protein, is upâ€regulated in osteoarthritis and regulates cartilage metabolism via TGFâ€Î² activation. FASEB Journal, 2009, 23, 79-89.	0.5	56
40	Vascular Smooth Muscle Cells as a Valvular Interstitial Cell Surrogate in Heart Valve Tissue Engineering. Tissue Engineering - Part A, 2009, 15, 3889-3897.	3.1	14
41	Study of subchondral bone adaptations in a rodent surgical model of OA using in vivo micro-computed tomography. Osteoarthritis and Cartilage, 2008, 16, 458-469.	1.3	65
42	Correction: Forced mobilization accelerates pathogenesis: characterization of a preclinical surgical model of osteoarthritis. Arthritis Research and Therapy, 2008, 10, 407.	3.5	5
43	Proliferation and extracellular matrix protein expression in vascular smooth muscle cells cultured for aortic valve tissue engineering. FASEB Journal, 2008, 22, 585.3.	0.5	0
44	MOLECULAR CONTROL OF ARTICULAR CARTILAGE DEGENERATION BY TRANSFORMING GROWTH FACTOR ALPHA. Clinical and Investigative Medicine, 2008, 31, 2.	0.6	0
45	Forced mobilization accelerates pathogenesis: characterization of a preclinical surgical model of osteoarthritis. Arthritis Research and Therapy, 2007, 9, R13.	3.5	115
46	Global analyses of gene expression in early experimental osteoarthritis. Arthritis and Rheumatism, 2007, 56, 1854-1868.	6.7	212
47	Transforming growth factor Î± suppression of articular chondrocyte phenotype and Sox9 expression in a rat model of osteoarthritis. Arthritis and Rheumatism, 2007, 56, 3693-3705.	6.7	68
48	Molecular and Histological Analysis of a New Rat Model of Experimental Knee Osteoarthritis. Annals of the New York Academy of Sciences, 2007, 1117, 165-174.	3.8	37
49	Global gene expression analyses in early experimental osteoarthritis reveal novel players in articular cartilage degenerations. Clinical and Investigative Medicine, 2007, 30, 72.	0.6	0
50	Regulator of G-protein signaling (RGS) proteins differentially control chondrocyte differentiation. Journal of Cellular Physiology, 2006, 207, 735-745.	4.1	29
51	Microarray Analyses of Gene Expression during Chondrocyte Differentiation Identifies Novel Regulators of Hypertrophy. Molecular Biology of the Cell, 2005, 16, 5316-5333.	2.1	126