

Alexander Scott

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

3,869
citations

109321

35
h-index

133252

59
g-index

104
all docs

104
docs citations

104
times ranked

3625
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Mechanotherapy: how physical therapists' prescription of exercise promotes tissue repair. British Journal of Sports Medicine, 2009, 43, 247-252. | 6.7 | 293 |
| 2 | Tendons – time to revisit inflammation. British Journal of Sports Medicine, 2014, 48, 1553-1557. | 6.7 | 233 |
| 3 | Sports and exercise-related tendinopathies: a review of selected topical issues by participants of the second International Scientific Tendinopathy Symposium (ISTS) Vancouver 2012. British Journal of Sports Medicine, 2013, 47, 536-544. | 6.7 | 148 |
| 4 | Tenocyte responses to mechanical loading in vivo: A role for local insulin-like growth factor 1 signaling in early tendinosis in rats. Arthritis and Rheumatism, 2007, 56, 871-881. | 6.7 | 143 |
| 5 | Excessive Apoptosis in Patellar Tendinopathy in Athletes. American Journal of Sports Medicine, 2007, 35, 605-611. | 4.2 | 136 |
| 6 | Tendinopathy: Update on Pathophysiology. Journal of Orthopaedic and Sports Physical Therapy, 2015, 45, 833-841. | 3.5 | 134 |
| 7 | ICON 2019: International Scientific Tendinopathy Symposium Consensus: Clinical Terminology. British Journal of Sports Medicine, 2020, 54, 260-262. | 6.7 | 133 |
| 8 | What do we mean by the term “inflammation”? A contemporary basic science update for sports medicine. British Journal of Sports Medicine, 2004, 38, 372-380. | 6.7 | 112 |
| 9 | What is "inflammation"? Are we ready to move beyond Celsus?. British Journal of Sports Medicine, 2004, 38, 248-249. | 6.7 | 105 |
| 10 | Platelet-Rich Plasma for Patellar Tendinopathy: A Randomized Controlled Trial of Leukocyte-Rich PRP or Leukocyte-Poor PRP Versus Saline. American Journal of Sports Medicine, 2019, 47, 1654-1661. | 4.2 | 104 |
| 11 | High strain mechanical loading rapidly induces tendon apoptosis: an ex vivo rat tibialis anterior model. British Journal of Sports Medicine, 2005, 39, e25-e25. | 6.7 | 99 |
| 12 | Tenocyte hypercellularity and vascular proliferation in a rabbit model of tendinopathy: contralateral effects suggest the involvement of central neuronal mechanisms. British Journal of Sports Medicine, 2011, 45, 399-406. | 6.7 | 88 |
| 13 | ICON 2019 – International Scientific Tendinopathy Symposium Consensus: There are nine core health-related domains for tendinopathy (CORE DOMAINS): Delphi study of healthcare professionals and patients. British Journal of Sports Medicine, 2020, 54, 444-451. | 6.7 | 85 |
| 14 | Substance P accelerates hypercellularity and angiogenesis in tendon tissue and enhances paratendinitis in response to Achilles tendon overuse in a tendinopathy model. British Journal of Sports Medicine, 2011, 45, 1017-1022. | 6.7 | 78 |
| 15 | Common Tendinopathies in the Upper and Lower Extremities. Current Sports Medicine Reports, 2006, 5, 233-241. | 1.2 | 75 |
| 16 | Lipids, adiposity and tendinopathy: is there a mechanistic link? Critical review. British Journal of Sports Medicine, 2015, 49, 984-988. | 6.7 | 74 |
| 17 | Understanding Mechanobiology: Physical Therapists as a Force in Mechanotherapy and Musculoskeletal Regenerative Rehabilitation. Physical Therapy, 2016, 96, 560-569. | 2.4 | 72 |
| 18 | Mechanotransduction in Human Bone. Sports Medicine, 2008, 38, 139-160. | 6.5 | 71 |

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|----|---|-----|-----------|
| 19 | Substance P Is a Mechanoresponsive, Autocrine Regulator of Human Tenocyte Proliferation. PLoS ONE, 2011, 6, e27209. | 2.5 | 68 |
| 20 | The Bonar score revisited: Region of evaluation significantly influences the standardized assessment of tendon degeneration. Journal of Science and Medicine in Sport, 2014, 17, 346-350. | 1.3 | 64 |
| 21 | Rotator Cuff Tear Degeneration and Cell Apoptosis in Smokers Versus Nonsmokers. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2014, 30, 936-941. | 2.7 | 63 |
| 22 | Tenocyte apoptosis in the torn rotator cuff: a primary or secondary pathological event?. British Journal of Sports Medicine, 2011, 45, 1035-1039. | 6.7 | 56 |
| 23 | The effect of heat applied with stretch to increase range of motion: A systematic review. Physical Therapy in Sport, 2012, 13, 180-188. | 1.9 | 55 |
| 24 | <i>Scleraxis</i> expression is coordinately regulated in a murine model of patellar tendon injury. Journal of Orthopaedic Research, 2011, 29, 289-296. | 2.3 | 54 |
| 25 | ICON PART-T 2019“International Scientific Tendinopathy Symposium Consensus: recommended standards for reporting participant characteristics in tendinopathy research (PART-T). British Journal of Sports Medicine, 2020, 54, 627-630. | 6.7 | 52 |
| 26 | VEGF Expression in Patellar Tendinopathy: A Preliminary Study. Clinical Orthopaedics and Related Research, 2008, 466, 1598-1604. | 1.5 | 47 |
| 27 | Conservative treatment of chronic Achilles tendinopathy. Cmaj, 2011, 183, 1159-1165. | 2.0 | 46 |
| 28 | Increased mast cell numbers in a calcaneal tendon overuse model. Scandinavian Journal of Medicine and Science in Sports, 2013, 23, e353-60. | 2.9 | 46 |
| 29 | VGLuT2 expression in painful Achilles and patellar tendinosis: Evidence of local glutamate release by tenocytes. Journal of Orthopaedic Research, 2008, 26, 685-692. | 2.3 | 45 |
| 30 | Alterations of overused supraspinatus tendon: A possible role of glycosaminoglycans and HARP/pleiotrophin in early tendon pathology. Journal of Orthopaedic Research, 2012, 30, 61-71. | 2.3 | 45 |
| 31 | Increased injury and intramuscular collagen of the diaphragm in COPD: autopsy observations. European Respiratory Journal, 2006, 27, 51-59. | 6.7 | 42 |
| 32 | IGF-I activates PKB and prevents anoxic apoptosis in Achilles tendon cells. Journal of Orthopaedic Research, 2005, 23, 1219-1225. | 2.3 | 41 |
| 33 | Cyclic Strain Alters the Expression and Release of Angiogenic Factors by Human Tendon Cells. PLoS ONE, 2014, 9, e97356. | 2.5 | 39 |
| 34 | Accumulation of Oxidized LDL in the Tendon Tissues of C57BL/6 or Apolipoprotein E Knock-Out Mice That Consume a High Fat Diet: Potential Impact on Tendon Health. PLoS ONE, 2014, 9, e114214. | 2.5 | 39 |
| 35 | Enhanced collagen type I synthesis by human tenocytes subjected to periodic in vitro mechanical stimulation. BMC Musculoskeletal Disorders, 2014, 15, 386. | 1.9 | 38 |
| 36 | Mast cells exert pro-inflammatory effects of relevance to the pathophysiology of tendinopathy. Arthritis Research and Therapy, 2013, 15, R184. | 3.5 | 37 |

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|----|--|------|-----------|
| 37 | Î²1 integrin, ILK and mTOR regulate collagen synthesis in mechanically loaded tendon cells. Scientific Reports, 2020, 10, 12644. | 3.3 | 37 |
| 38 | Greater glycosaminoglycan content in human patellar tendon biopsies is associated with more pain and a lower VISA score. British Journal of Sports Medicine, 2014, 48, 469-475. | 6.7 | 36 |
| 39 | Substance P enhances collagen remodeling and MMPâ€³ expression by human tenocytes. Journal of Orthopaedic Research, 2013, 31, 91-98. | 2.3 | 34 |
| 40 | Second harmonic generation analysis of early Achilles tendinosis in response to in vivo mechanical loading. BMC Musculoskeletal Disorders, 2011, 12, 26. | 1.9 | 33 |
| 41 | Neuropeptides in tendinopathy. Frontiers in Bioscience - Landmark, 2009, Volume, 2203. | 3.0 | 29 |
| 42 | Feasibility of using a hand-held device to characterize tendon tissue biomechanics. PLoS ONE, 2017, 12, e0184463. | 2.5 | 29 |
| 43 | Lower muscle regenerative potential in full-thickness supraspinatus tears compared to partial-thickness tears. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 84, 565-570. | 3.3 | 28 |
| 44 | It is time for consensus on â€˜consensus statementsâ€™™. British Journal of Sports Medicine, 2022, 56, 306-307. | 6.7 | 27 |
| 45 | Increased substance P expression in the trochanteric bursa of patients with greater trochanteric pain syndrome. Rheumatology International, 2014, 34, 1441-1448. | 3.0 | 26 |
| 46 | Increased levels of apoptosis and p53 in partial-thickness supraspinatus tendon tears. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 1636-1641. | 4.2 | 25 |
| 47 | Transverse tendon stiffness is reduced in people with Achilles tendinopathy: A cross-sectional study. PLoS ONE, 2019, 14, e0211863. | 2.5 | 25 |
| 48 | Quantitative assessment of forward and backward second harmonic three dimensional images of collagen Type I matrix remodeling in a stimulated cellular environment. Journal of Structural Biology, 2012, 180, 17-25. | 2.8 | 24 |
| 49 | Impact of rest duration on Achilles tendon structure and function following isometric training. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 436-445. | 2.9 | 24 |
| 50 | Achilles tendon structure is negatively correlated with body mass index, but not influenced by statin use: A cross-sectional study using ultrasound tissue characterization. PLoS ONE, 2018, 13, e0199645. | 2.5 | 24 |
| 51 | Corticosteroids: short-term gain for long-term pain?. Lancet, The, 2010, 376, 1714-1715. | 13.7 | 21 |
| 52 | Regional molecular and cellular differences in the female rabbit <scp>A</scp>chilles tendon complex: potential implications for understanding responses to loading. Journal of Anatomy, 2014, 224, 538-547. | 1.5 | 21 |
| 53 | Patients as Partners in Research: It's the Right Thing to Do. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 623-626. | 3.5 | 21 |
| 54 | Uphill treadmill running does not induce histopathological changes in the rat Achilles tendon. BMC Musculoskeletal Disorders, 2013, 14, 90. | 1.9 | 19 |

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|----|---|-----|-----------|
| 55 | Human tenocytes are stimulated to proliferate by acetylcholine through an EGFR signalling pathway. Cell and Tissue Research, 2013, 351, 465-475. | 2.9 | 18 |
| 56 | The seasonal variation of Achilles tendon ruptures in Vancouver, Canada: a retrospective study. BMJ Open, 2014, 4, e004320. | 1.9 | 18 |
| 57 | Acute activation of Erk1/Erk2 and protein kinase B/akt proceed by independent pathways in multiple cell types. FEBS Journal, 2005, 272, 4372-4384. | 4.7 | 17 |
| 58 | Dexamethasone decreases substance P expression in human tendon cells: an in vitro study. Rheumatology, 2015, 54, 318-323. | 1.9 | 17 |
| 59 | Angiopoietin-like 4 promotes angiogenesis in the tendon and is increased in cyclically loaded tendon fibroblasts. Journal of Physiology, 2016, 594, 2971-2983. | 2.9 | 17 |
| 60 | The effects of substance P and acetylcholine on human tenocyte proliferation converge mechanistically via TGF- β 1. PLoS ONE, 2017, 12, e0174101. | 2.5 | 16 |
| 61 | VGLUT2 and NMDAR1 Expression in Cells in the Inflammatory Infiltrates in Experimentally Induced Myositis: Evidence of Local Glutamate Signaling Suggests Autocrine/Paracrine Effects in an Overuse Injury Model. Inflammation, 2012, 35, 39-48. | 3.8 | 15 |
| 62 | Diagnostic accuracy of ultrasound and MRI for Achilles tendon xanthoma in people with familial hypercholesterolemia: A systematic review. Journal of Clinical Lipidology, 2019, 13, 40-48. | 1.5 | 15 |
| 63 | Angiopoietin-like 4 Enhances the Proliferation and Migration of Tendon Fibroblasts. Medicine and Science in Sports and Exercise, 2017, 49, 1769-1777. | 0.4 | 14 |
| 64 | Rehabilitation of Tendon Problems in Patients with Diabetes Mellitus. Advances in Experimental Medicine and Biology, 2016, 920, 199-208. | 1.6 | 13 |
| 65 | Randomised controlled trial evaluating the short-term analgesic effect of topical diclofenac on chronic Achilles tendon pain: a pilot study. BMJ Open, 2017, 7, e015126. | 1.9 | 13 |
| 66 | Sodium cromolyn reduces expression of CTGF, ADAMTS1, and TIMP3 and modulates post-injury patellar tendon morphology. Journal of Orthopaedic Research, 2011, 29, 678-683. | 2.3 | 12 |
| 67 | Influence of repetitive mechanical loading on MMP2 activity in tendon fibroblasts. Journal of Orthopaedic Research, 2016, 34, 1991-2000. | 2.3 | 12 |
| 68 | Do Dietary Factors Influence Tendon Metabolism?. Advances in Experimental Medicine and Biology, 2016, 920, 283-289. | 1.6 | 11 |
| 69 | Intramuscular stimulation vs sham needling for the treatment of chronic midportion Achilles tendinopathy: A randomized controlled clinical trial. PLoS ONE, 2020, 15, e0238579. | 2.5 | 11 |
| 70 | The effects of cholesterol accumulation on Achilles tendon biomechanics: A cross-sectional study. PLoS ONE, 2021, 16, e0257269. | 2.5 | 10 |
| 71 | Can Shockwave Therapy Improve Tendon Metabolism?. Advances in Experimental Medicine and Biology, 2016, 920, 275-281. | 1.6 | 8 |
| 72 | Patients as Partners in Research: There Is Plenty of Help for Researchers. Journal of Orthopaedic and Sports Physical Therapy, 2020, 50, 219-221. | 3.5 | 8 |

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|----|---|-----|-----------|
| 73 | Uphill running does not exacerbate collagenase-induced pathological changes in the Achilles tendon of rats selectively bred for high-capacity running. <i>Connective Tissue Research</i> , 2013, 54, 386-393. | 2.3 | 7 |
| 74 | Temporal divergence of changes in pain and pain-free grip strength after manual acupuncture or electroacupuncture: an experimental study in people with lateral epicondylalgia. <i>Chinese Medicine</i> , 2017, 12, 22. | 4.0 | 6 |
| 75 | Multimodal management of patellar tendinopathy in basketball players: A retrospective chart review pilot study. <i>Journal of Bodywork and Movement Therapies</i> , 2020, 24, 267-272. | 1.2 | 6 |
| 76 | Topical diclofenac vs placebo for the treatment of chronic Achilles tendinopathy: A randomized controlled clinical trial. <i>PLoS ONE</i> , 2021, 16, e0247663. | 2.5 | 6 |
| 77 | Alpha-2 adrenergic stimulation triggers Achilles tenocyte hypercellularity: Comparison between two model systems. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2013, 23, 687-696. | 2.9 | 5 |
| 78 | Using the VERT wearable device to monitor jumping loads in elite volleyball athletes. <i>PLoS ONE</i> , 2021, 16, e0245299. | 2.5 | 5 |
| 79 | An Emerging Role for Angiogenesis in Tendinopathy. <i>European Musculoskeletal Review</i> , 2009, 4, 75-76. | 0.0 | 5 |
| 80 | Vascular structure and function in the medial collateral ligament of anterior cruciate ligament transected rabbit knees. <i>Journal of Orthopaedic Research</i> , 2014, 32, 1104-1110. | 2.3 | 4 |
| 81 | A cross-sectional evaluation examining the use of the Achilles tendinopathy toolkit by physiotherapists in British Columbia, Canada. <i>Disability and Rehabilitation</i> , 2017, 39, 671-676. | 1.8 | 4 |
| 82 | Apolipoprotein A1 distribution pattern in the human Achilles tendon. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 1506-1513. | 2.9 | 4 |
| 83 | Can Achilles tendon xanthoma be distinguished from Achilles tendinopathy using Dixon method MRI? A cross-sectional exploratory study. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 627. | 1.9 | 4 |
| 84 | Genetic associations with Achilles tendinopathy. <i>Rheumatology</i> , 2010, 49, 2005-2006. | 1.9 | 3 |
| 85 | Platelet-Rich Plasma for Patellar Tendinopathy: Response. <i>American Journal of Sports Medicine</i> , 2020, 48, NP22-NP22. | 4.2 | 3 |
| 86 | The fundamental role of inflammation in tendon injury. <i>Current Medical Research and Opinion</i> , 2013, 29, 3-6. | 1.9 | 2 |
| 87 | Mechanism of mast cell adhesion to human tenocytes in vitro. <i>Journal of Orthopaedic Research</i> , 2015, 33, 9-16. | 2.3 | 2 |
| 88 | Effects of tailored advice on injury prevention knowledge and behaviours in runners: Secondary analysis from a randomised controlled trial. <i>Physical Therapy in Sport</i> , 2019, 37, 164-170. | 1.9 | 2 |
| 89 | ICON 2019—international scientific tendinopathy symposium: building an ICONic tendon tower—launching a new era in clinical tendinopathy research. <i>British Journal of Sports Medicine</i> , 2020, 54, 442-443. | 6.7 | 2 |
| 90 | 93—Evolving Inflammatory Cell Populations In The Overused Rabbit Achilles Tendon. <i>British Journal of Sports Medicine</i> , 2014, 48, A60.2-A61. | 6.7 | 1 |

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|-----|---|-----|-----------|
| 91 | Vancouver data supports a weak association between tendon pathology and serum lipid profiles. British Journal of Sports Medicine, 2016, 50, 1485-1486. | 6.7 | 1 |
| 92 | Case Studies in Physiology: Adaptation of load-bearing tendons during pregnancy. Journal of Applied Physiology, 2022, 132, 1280-1289. | 2.5 | 1 |
| 93 | The Validity and Reliability of Two Commercially Available Load Sensors for Clinical Strength Assessment. Sensors, 2021, 21, 8399. | 3.8 | 1 |
| 94 | Second harmonic generation imaging of collagen matrix remodeling in a stimulated 3D cellular environment: forward versus backward detection. , 2011, , . | | 0 |
| 95 | Evaluation of the effect of mechanical loading on angiogenic factors in tendinopathy. Journal of Bodywork and Movement Therapies, 2012, 16, 524-525. | 1.2 | 0 |
| 96 | Teaming up to beat tendon pain: clinical and research excellence own the podium at ISTS (International Scientific Tendinopathy Symposium). British Journal of Sports Medicine, 2013, 47, 532-532. | 6.7 | 0 |
| 97 | INFLAMMATORY MECHANISMS INVOLVED IN TENDON OVERUSE: RECENT INSIGHTS. British Journal of Sports Medicine, 2013, 47, e2.2-e2. | 6.7 | 0 |
| 98 | 43â€¦Enhanced Collagen Type I Synthesis of Tenocytes by Periodic in vitro Mechanical Stimulation. British Journal of Sports Medicine, 2014, 48, A28-A28. | 6.7 | 0 |
| 99 | 72â€¦Angiopoietin-like 4, A Novel Mechnoresponse Protein Involved In Tendinopathy. British Journal of Sports Medicine, 2014, 48, A46.2-A47. | 6.7 | 0 |
| 100 | 44â€¦Regional Molecular And Cellular Differences In The Female Rabbit Achilles Tendon Complex. British Journal of Sports Medicine, 2014, 48, A29.1-A29. | 6.7 | 0 |
| 101 | Effectiveness of Platelet-Rich Plasma in the Treatment of Tendinopathy: Letter to the Editor. American Journal of Sports Medicine, 2016, 44, NP54-NP55. | 4.2 | 0 |
| 102 | Assessing acute:chronic workload ratio methodologies for the prediction of knee pain in men's elite volleyball. Translational Sports Medicine, 2021, 4, 677-683. | 1.1 | 0 |
| 103 | Biochemical Causes of Patellar Tendinopathy?. , 2011, , 229-236. | | 0 |