

Daniel H Cortes

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

689
citations

567281

15
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

778
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous Shear Wave Elastography: A New Method to Measure Viscoelastic Properties of Tendons in Vivo. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 1518-1529.	1.5	86
2	Elastic, permeability and swelling properties of human intervertebral disc tissues: A benchmark for tissue engineering. <i>Journal of Biomechanics</i> , 2014, 47, 2088-2094.	2.1	78
3	Validation and application of an intervertebral disc finite element model utilizing independently constructed tissue-level constitutive formulations that are nonlinear, anisotropic, and time-dependent. <i>Journal of Biomechanics</i> , 2014, 47, 2540-2546.	2.1	67
4	Human cartilage endplate permeability varies with degeneration and intervertebral disc site. <i>Journal of Biomechanics</i> , 2016, 49, 550-557.	2.1	65
5	Quantification of Mechanical Properties in Healthy Achilles Tendon Using Continuous Shear Wave Elastography: A Reliability and Validation Study. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 1574-1585.	1.5	45
6	Semitendinosus Tendon for ACL Reconstruction: Regrowth and Mechanical Property Recovery. <i>Orthopaedic Journal of Sports Medicine</i> , 2017, 5, 232596711771294.	1.7	39
7	Mechanical properties of the extrafibrillar matrix of human annulus fibrosus are location and age dependent. <i>Journal of Orthopaedic Research</i> , 2013, 31, 1725-1732.	2.3	32
8	The shear modulus of the nucleus pulposus measured using magnetic resonance elastography: A potential biomarker for intervertebral disc degeneration. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 211-219.	3.0	28
9	Tendon morphology and mechanical properties assessed by ultrasound show change early in recovery and potential prognostic ability for 6-month outcomes. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 2831-2839.	4.2	26
10	THE DEGREE OF TENDINOSIS IS RELATED TO SYMPTOM SEVERITY AND PHYSICAL ACTIVITY LEVELS IN PATIENTS WITH MIDPORTION ACHILLES TENDINOPATHY. <i>International Journal of Sports Physical Therapy</i> , 2018, 13, 196-207.	1.3	26
11	The shear modulus of lower-leg muscles correlates to intramuscular pressure. <i>Journal of Biomechanics</i> , 2019, 83, 190-196.	2.1	19
12	Tendon Morphology and Mechanical Properties Are Associated With the Recovery of Symptoms and Function in Patients With Achilles Tendinopathy. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596712091727.	1.7	19
13	Novel human intervertebral disc strain template to quantify regional three-dimensional strains in a population and compare to internal strains predicted by a finite element model. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1264-1273.	2.3	18
14	Accurate prediction of stress in fibers with distributed orientations using generalized high-order structure tensors. <i>Mechanics of Materials</i> , 2014, 75, 73-83.	3.2	17
15	Change in skeletal muscle stiffness after running competition is dependent on both running distance and recovery time: a pilot study. <i>PeerJ</i> , 2018, 6, e4469.	2.0	17
16	Achilles tendon cross-sectional area at 12 weeks post-rupture relates to 1-year heel-rise height. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 245-252.	4.2	17
17	Measurement of the shear modulus in thin-layered tissues using numerical simulations and shear wave elastography. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 102, 103502.	3.1	14
18	Relationship between mechanical properties (shear modulus and viscosity), age, and sex in uninjured Achilles tendons. <i>Translational Sports Medicine</i> , 2020, 3, 321-327.	1.1	13

#	ARTICLE	IF	CITATIONS
19	Changes in Shear Modulus of the Lumbar Multifidus Muscle During Different Body Positions. Journal of Biomechanical Engineering, 2019, 141, .	1.3	12
20	Immediate effect of photobiomodulation therapy on Achilles tendon morphology and mechanical properties: An exploratory study. Translational Sports Medicine, 2019, 2, 164-172.	1.1	11
21	Side-to-side differences in Achilles tendon geometry and mechanical properties following achilles tendon rupture. Muscles, Ligaments and Tendons Journal, 2017, 7, 541.	0.3	9
22	Narrowband Shear Wave Generation Using Sinusoidally Modulated Acoustic Radiation Force. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 264-272.	3.0	9
23	THE DEGREE OF TENDINOSIS IS RELATED TO SYMPTOM SEVERITY AND PHYSICAL ACTIVITY LEVELS IN PATIENTS WITH MIDPORTION ACHILLES TENDINOPATHY. International Journal of Sports Physical Therapy, 2018, 13, 196-207.	1.3	8
24	Tendon loading in runners with Achilles tendinopathy: Relations to pain, structure, and function during return to sport. Scandinavian Journal of Medicine and Science in Sports, 2022, 32, 1201-1212.	2.9	7
25	Quantifying Dysfunction of the Lumbar Multifidus Muscle After Radiofrequency Neurotomy and Fusion Surgery: A Preliminary Study. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2020, 3, .	0.5	4
26	Investigation of the optimum heel pad stiffness: a modeling study. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 585-593.	1.3	3
27	Effect of crosslinking and glycosaminoglycan depletion on the extra-fibrillar matrix mechanics of annulus fibrosus. , 2012, , .		0