

Laura C Slane

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

771
citations

840776

11
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

695
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-uniform in vivo deformations of the human Achilles tendon during walking. <i>Gait and Posture</i> , 2015, 41, 192-197.	1.4	99
2	Non-uniform displacements within the Achilles tendon observed during passive and eccentric loading. <i>Journal of Biomechanics</i> , 2014, 47, 2831-2835.	2.1	78
3	Spatial variations in Achilles tendon shear wave speed. <i>Journal of Biomechanics</i> , 2014, 47, 2685-2692.	2.1	78
4	Length and activation dependent variations in muscle shear wave speed. <i>Physiological Measurement</i> , 2013, 34, 713-721.	2.1	74
5	Quantitative ultrasound mapping of regional variations in shear wave speeds of the aging Achilles tendon. <i>European Radiology</i> , 2017, 27, 474-482.	4.5	67
6	Nomenclature of the tendon hierarchy: An overview of inconsistent terminology and a proposed size-based naming scheme with terminology for multi-muscle tendons. <i>Journal of Biomechanics</i> , 2016, 49, 3122-3124.	2.1	64
7	The use of 2D ultrasound elastography for measuring tendon motion and strain. <i>Journal of Biomechanics</i> , 2014, 47, 750-754.	2.1	54
8	Achilles tendon displacement patterns during passive stretch and eccentric loading are altered in middle-aged adults. <i>Medical Engineering and Physics</i> , 2015, 37, 712-716.	1.7	54
9	A 3D model of the Achilles tendon to determine the mechanisms underlying nonuniform tendon displacements. <i>Journal of Biomechanics</i> , 2017, 51, 17-25.	2.1	52
10	Tendon motion and strain patterns evaluated with two-dimensional ultrasound elastography. <i>Journal of Biomechanics</i> , 2012, 45, 2618-2623.	2.1	46
11	Middle-aged adults exhibit altered spatial variations in Achilles tendon wave speed. <i>Physiological Measurement</i> , 2015, 36, 1485-1496.	2.1	23
12	Evidence of Generalized Muscle Stiffness in the Presence of Latent Trigger Points Within Infrapinatus. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 2257-2262.	0.9	13
13	Nonuniform Deformation of the Patellar Tendon During Passive Knee Flexion. <i>Journal of Applied Biomechanics</i> , 2018, 34, 14-22.	0.8	12
14	Evidence of patellar tendon buckling during passive knee extension. <i>Knee</i> , 2016, 23, 801-806.	1.6	10
15	The challenges of measuring in vivo knee collateral ligament strains using ultrasound. <i>Journal of Biomechanics</i> , 2017, 61, 258-262.	2.1	10
16	The measurement of medial knee gap width using ultrasound. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2017, 137, 1121-1128.	2.4	7
17	Ultrasound-based speckle-tracking in tendons: a critical analysis for the technician and the clinician. <i>Journal of Applied Physiology</i> , 2021, 130, 445-456.	2.5	7
18	Validated Ultrasound Speckle Tracking Method for Measuring Strains of Knee Collateral Ligaments In-Situ during Varus/Valgus Loading. <i>Sensors</i> , 2021, 21, 1895.	3.8	7

#	ARTICLE	IF	CITATIONS
19	Non-uniformity in the healthy patellar tendon is greater in males and similar in different age groups. <i>Journal of Biomechanics</i> , 2018, 80, 16-22.	2.1	6
20	SCreg: a registration-based platform to compare unicondylar knee arthroplasty SPECT/CT scans. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 162.	1.9	4
21	Patellar tendon buckling is altered with age. <i>Medical Engineering and Physics</i> , 2018, 59, 15-20.	1.7	3
22	Shear wave elastography for the assessment of muscle stiffness in children with CP: insights and challenges. <i>Developmental Medicine and Child Neurology</i> , 2016, 58, 1209-1210.	2.1	1
23	Patellar tendon buckling in post-operative total knee arthroplasty patients is more prominent than in healthy controls. <i>Medical Engineering and Physics</i> , 2019, 69, 28-32.	1.7	1
24	Impingement in Insertional Achilles Tendinopathy Occurs Across a Larger Range of Ankle Angles and Is Associated With Increased Tendon Thickness. <i>Foot and Ankle International</i> , 2022, 43, 683-693.	2.3	1