David G Lloyd

List of Publications by Year
in descending order

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270 papers	15,414 citations	17440 63 h-index	23533 111 g-index
281 all docs	281 docs citations	281 times ranked	9081 citing authors

#	Article	IF	Citations
1	Shape differences in the semitendinosus following tendon harvesting for anterior cruciate ligament reconstruction. Journal of Orthopaedic Research, 2023, 41, 44-53.	2.3	8
2	The Deep Hip Muscles are Unlikely to Stabilize the Hip in the Sagittal Plane During Walking: A Joint Stiffness Approach. IEEE Transactions on Biomedical Engineering, 2022, 69, 1133-1140.	4.2	3
3	Electromyography-Assisted Neuromusculoskeletal Models Can Estimate Physiological Muscle Activations and Joint Moments Across the Neck Before Impacts. Journal of Biomechanical Engineering, 2022, 144, .	1.3	7
4	Free Achilles tendon strain during selected rehabilitation, locomotor, jumping, and landing tasks. Journal of Applied Physiology, 2022, 132, 956-965.	2.5	9
5	Toward Tailored Rehabilitation by Implementation of a Novel Musculoskeletal Finite Element Analysis Pipeline. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 789-802.	4.9	5
6	An EMG-Assisted Muscle-Force Driven Finite Element Analysis Pipeline to Investigate Joint- and Tissue-Level Mechanical Responses in Functional Activities: Towards a Rapid Assessment Toolbox. IEEE Transactions on Biomedical Engineering, 2022, 69, 2860-2871.	4.2	13
7	A muscle synergy-based method to estimate muscle activation patterns of children with cerebral palsy using data collected from typically developing children. Scientific Reports, 2022, 12, 3599.	3.3	13
8	Activation of the deep hip muscles can change the direction of loading at the hip. Journal of Biomechanics, 2022, 135, 111019.	2.1	3
9	Development of predictive statistical shape models for paediatric lower limb bones. Computer Methods and Programs in Biomedicine, 2022, , 107002.	4.7	6
10	Electromyography measurements of the deep hip muscles do not improve estimates of hip contact force. Journal of Biomechanics, 2022, 141, 111220.	2.1	2
11	Multidimensional Ground Reaction Forces and Moments From Wearable Sensor Accelerations via Deep Learning. IEEE Transactions on Biomedical Engineering, 2021, 68, 289-297.	4.2	63
12	Trunk, pelvis and lower limb walking biomechanics are similarly altered in those with femoroacetabular impingement syndrome regardless of cam morphology size. Gait and Posture, 2021, 83, 26-34.	1.4	23
13	12 Degrees of Freedom Muscle Force Driven Fibril-Reinforced Poroviscoelastic Finite Element Model of the Knee Joint. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 123-133.	4.9	15
14	Automated creation and tuning of personalised muscle paths for OpenSim musculoskeletal models of the knee joint. Biomechanics and Modeling in Mechanobiology, 2021, 20, 521-533.	2.8	19
15	Mechanism of Anterior Cruciate Ligament Loading during Dynamic Motor Tasks. Medicine and Science in Sports and Exercise, 2021, 53, 1235-1244.	0.4	16
16	Bisect offset ratio and cartilaginous sulcus angle are good combined predictors of recurrent patellar dislocation in children and adolescents. Journal of ISAKOS, 2021, 6, 265-270.	2.3	4
17	Non-invasive approaches to functional recovery after spinal cord injury: Therapeutic targets and multimodal device interventions. Experimental Neurology, 2021, 339, 113612.	4.1	22
18	Evaluating cost function criteria in predicting healthy gait. Journal of Biomechanics, 2021, 123, 110530.	2.1	29

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19	Which hip morphology measures and patient factors are associated with age of onset and symptom severity in femoroacetabular impingement syndrome?. HIP International, 2021, , 112070002110385.	1.7	3
20	The future of in-field sports biomechanics: wearables plus modelling compute real-time in vivo tissue loading to prevent and repair musculoskeletal injuries. Sports Biomechanics, 2021, , 1-29.	1.6	16
21	Effects of Pubertal Maturation on ACL Forces During a Landing Task in Females. American Journal of Sports Medicine, 2021, 49, 3322-3334.	4.2	10
22	The effectiveness of EMG-driven neuromusculoskeletal model calibration is task dependent. Journal of Biomechanics, 2021, 129, 110698.	2.1	15
23	Patellar cartilage increase following ACL reconstruction with and without meniscal pathology: a two-year prospective MRI morphological study. BMC Musculoskeletal Disorders, 2021, 22, 909.	1.9	0
24	Finite element analysis of the performance of additively manufactured scaffolds for scapholunate ligament reconstruction. PLoS ONE, 2021, 16, e0256528.	2.5	6
25	Modelling the loading mechanics of anterior cruciate ligament. Computer Methods and Programs in Biomedicine, 2020, 184, 105098.	4.7	20
26	Best methods and data to reconstruct paediatric lower limb bones for musculoskeletal modelling. Biomechanics and Modeling in Mechanobiology, 2020, 19, 1225-1238.	2.8	20
27	Increasing level of neuromusculoskeletal model personalisation to investigate joint contact forces in cerebral palsy: A twin case study. Clinical Biomechanics, 2020, 72, 141-149.	1.2	30
28	Machine learning methods to support personalized neuromusculoskeletal modelling. Biomechanics and Modeling in Mechanobiology, 2020, 19, 1169-1185.	2.8	53
29	The Free Achilles Tendon Is Shorter, Stiffer, Has Larger Cross-Sectional Area and Longer T2* Relaxation Time in Trained Middle-Distance Runners Compared to Healthy Controls. Frontiers in Physiology, 2020, 11, 965.	2.8	13
30	Targeted Achilles Tendon Training and Rehabilitation Using Personalized and Real-Time Multiscale Models of the Neuromusculoskeletal System. Frontiers in Bioengineering and Biotechnology, 2020, 8, 878.	4.1	26
31	Non-negative matrix factorisation is the most appropriate method for extraction of muscle synergies in walking and running. Scientific Reports, 2020, 10, 8266.	3.3	67
32	Effect of exercise on knee joint contact forces in people following medial partial meniscectomy: A secondary analysis of a randomised controlled trial. Gait and Posture, 2020, 79, 203-209.	1.4	9
33	Individuals with mild-to-moderate hip osteoarthritis walk with lower hip joint contact forces despite higher levels of muscle co-contraction compared to healthy individuals. Osteoarthritis and Cartilage, 2020, 28, 924-931.	1.3	23
34	EMG-Assisted Algorithm to Account for Shoulder Muscles Co-Contraction in Overhead Manual Handling. Applied Sciences (Switzerland), 2020, 10, 3522.	2.5	12
35	Surgical applications of intracorporal tissue adhesive agents: current evidence and future development. Expert Review of Medical Devices, 2020, 17, 443-460.	2.8	12
36	Modelling Human Locomotion to Inform Exercise Prescription for Osteoporosis. Current Osteoporosis Reports, 2020, 18, 301-311.	3.6	17

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37	National Osteoarthritis Strategy brief report: Prevention of osteoarthritis. Australian Journal of General Practice, 2020, 49, 273-275.	0.8	1
38	Greater magnitude tibiofemoral contact forces are associated with reduced prevalence of osteochondral pathologies 2â€“3Âyears following anterior cruciate ligament reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 707-715.	4.2	16
39	Predicting Athlete Ground Reaction Forces and Moments From Spatio-Temporal Driven CNN Models. IEEE Transactions on Biomedical Engineering, 2019, 66, 689-694.	4.2	53
40	Finding the sweet spot via personalised Achilles tendon training: the future is within reach. British Journal of Sports Medicine, 2019, 53, 11-12.	6.7	28
41	Primarily hip-borne load carriage does not alter biomechanical risk factors for overuse injuries in soldiers. Journal of Science and Medicine in Sport, 2019, 22, 158-163.	1.3	6
42	On-field player workload exposure and knee injury risk monitoring via deep learning. Journal of Biomechanics, 2019, 93, 185-193.	2.1	36
43	Development and validation of subject-specific pediatric multibody knee kinematic models with ligamentous constraints. Journal of Biomechanics, 2019, 93, 194-203.	2.1	20
44	Tibiofemoral joint structural change from 2.5 to 4.5â€‰years following ACL reconstruction with and without combined meniscal pathology. BMC Musculoskeletal Disorders, 2019, 20, 312.	1.9	13
45	Static optimization underestimates antagonist muscle activity at the glenohumeral joint: A musculoskeletal modeling study. Journal of Biomechanics, 2019, 97, 109348.	2.1	43
46	Development of 18 Quality Control Gates for Additive Manufacturing of Error Free Patient-Specific Implants. Materials, 2019, 12, 3110.	2.9	16
47	Magnetic Resonance Imaging and Freehand 3-D Ultrasound Provide Similar Estimates of Free Achilles Tendon Shape and 3-D Geometry. Ultrasound in Medicine and Biology, 2019, 45, 2898-2905.	1.5	18
48	A review of methods to measure tendon dimensions. Journal of Orthopaedic Surgery and Research, 2019, 14, 18.	2.3	13
49	Statistical shape modelling versus linear scaling: Effects on predictions of hip joint centre location and muscle moment arms in people with hip osteoarthritis. Journal of Biomechanics, 2019, 85, 164-172.	2.1	47
50	Establishing outcome measures in early knee osteoarthritis. Nature Reviews Rheumatology, 2019, 15, 438-448.	8.0	88
51	The effects of electromyography-assisted modelling in estimating musculotendon forces during gait in children with cerebral palsy. Journal of Biomechanics, 2019, 92, 45-53.	2.1	39
52	Minimal medical imaging can accurately reconstruct geometric bone models for musculoskeletal models. PLoS ONE, 2019, 14, e0205628.	2.5	23
53	Rotational Malalignment of the Knee Extensor Mechanism. JBJS Open Access, 2019, 4, e0020.	1.5	12
54	Neuromusculoskeletal Modeling-Based Prostheses for Recovery After Spinal Cord Injury. Frontiers in Neurorobotics, 2019, 13, 97.	2.8	31

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55	Controlled ecological evaluation of an implemented exercise-training programme to prevent lower limb injuries in sport: population-level trends in hospital-treated injuries. British Journal of Sports Medicine, 2019, 53, 487-492.	6.7	4
56	Lower-limb joint work and power are modulated during load carriage based on load configuration and walking speed. Journal of Biomechanics, 2019, 83, 174-180.	2.1	20
57	Different visual stimuli affect muscle activation at the knee during sidestepping. Journal of Sports Sciences, 2019, 37, 1123-1128.	2.0	9
58	Influence of altered geometry and material properties on tissue stress distribution under load in tendinopathic Achilles tendons â€“ A subject-specific finite element analysis. Journal of Biomechanics, 2019, 82, 142-148.	2.1	16
59	A calibrated EMG-informed neuromusculoskeletal model can appropriately account for muscle co-contraction in the estimation of hip joint contact forces in people with hip osteoarthritis. Journal of Biomechanics, 2019, 83, 134-142.	2.1	50
60	Controlled ecological evaluation of an implemented exercise training programme to prevent lower limb injuries in sport: differences in implementation activity. Injury Prevention, 2019, 25, 480-486.	2.4	14
61	In vitro loading models for tendon mechanobiology. Journal of Orthopaedic Research, 2018, 36, 566-575.	2.3	45
62	Cartilage quantitative T2 relaxation time 2â€“4 years following isolated anterior cruciate ligament reconstruction. Journal of Orthopaedic Research, 2018, 36, 2022-2029.	2.3	11
63	Predicting athlete ground reaction forces and moments from motion capture. Medical and Biological Engineering and Computing, 2018, 56, 1781-1792.	2.8	59
64	Prolonged running increases knee moments in sidestepping and cutting manoeuvres in sport. Journal of Science and Medicine in Sport, 2018, 21, 508-512.	1.3	12
65	Integrating a hip belt with body armour reduces the magnitude and changes the location of shoulder pressure and perceived discomfort in soldiers. Ergonomics, 2018, 61, 566-575.	2.1	12
66	Patellofemoral joint alignment is a major risk factor for recurrent patellar dislocation in children and adolescents: a systematic review. Journal of ISAKOS, 2018, 3, 287-297.	2.3	5
67	Tibiofemoral joint contact forces increase with load magnitude and walking speed but remain almost unchanged with different types of carried load. PLoS ONE, 2018, 13, e0206859.	2.5	27
68	Cancellous bone and theropod dinosaur locomotion. Part Iâ€”an examination of cancellous bone architecture in the hindlimb bones of theropods. PeerJ, 2018, 6, e5778.	2.0	32
69	Combining in silico and in vitro experiments to characterize the role of fascicle twist in the Achilles tendon. Scientific Reports, 2018, 8, 13856.	3.3	26
70	Subject-specific calibration of neuromuscular parameters enables neuromusculoskeletal models to estimate physiologically plausible hip joint contact forces in healthy adults. Journal of Biomechanics, 2018, 80, 111-120.	2.1	53
71	Individual muscle contributions to tibiofemoral compressive articular loading during walking, running and sidestepping. Journal of Biomechanics, 2018, 80, 23-31.	2.1	19
72	Hamstring Harvest Results in Heterogeneous Musculotendinous Regeneration and Significantly Reduced Knee Muscular Protection During Side-Stepping Two Years After Anterior Cruciate Ligament Reconstruction. Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology, 2018, 13, 2.	1.0	0

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73	Musculoskeletal Modelling and the Physiome Project. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2018, , 123-174.	0.6	10
74	The influence of speed and size on avian terrestrial locomotor biomechanics: Predicting locomotion in extinct theropod dinosaurs. PLoS ONE, 2018, 13, e0192172.	2.5	30
75	Cancellous bone and theropod dinosaur locomotion. Part IIIâ€"Inferring posture and locomotor biomechanics in extinct theropods, and its evolution on the line to birds. PeerJ, 2018, 6, e5777.	2.0	33
76	Cancellous bone and theropod dinosaur locomotion. Part IIâ€"a new approach to inferring posture and locomotor biomechanics in extinct tetrapod vertebrates. PeerJ, 2018, 6, e5779.	2.0	23
77	We have the programme, what next? Planning the implementation of an injury prevention programme. Injury Prevention, 2017, 23, 273-280.	2.4	68
78	Cartilage morphology at 2â€“3Âyears following anterior cruciate ligament reconstruction with or without concomitant meniscal pathology. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 426-436.	4.2	20
79	Different visual stimuli affect body reorientation strategies during sidestepping. Scandinavian Journal of Medicine and Science in Sports, 2017, 27, 492-500.	2.9	26
80	Three dimensional microstructural network of elastin, collagen, and cells in Achilles tendons. Journal of Orthopaedic Research, 2017, 35, 1203-1214.	2.3	35
81	Osteoarthritis year in review 2016: mechanics. Osteoarthritis and Cartilage, 2017, 25, 190-198.	1.3	71
82	Feasibility of using MRIs to create subject-specific parallel-mechanism joint models. Journal of Biomechanics, 2017, 53, 45-55.	2.1	32
83	Highâ€resolution study of the 3D collagen fibrillary matrix of Achilles tendons without tissue labelling and dehydrating. Journal of Microscopy, 2017, 266, 273-287.	1.8	6
84	Reliability of functional and predictive methods to estimate the hip joint centre in human motion analysis in healthy adults. Gait and Posture, 2017, 53, 179-184.	1.4	26
85	Achilles tendon stress is more sensitive to subject-specific geometry than subject-specific material properties: A finite element analysis. Journal of Biomechanics, 2017, 56, 26-31.	2.1	36
86	Reliability of four models for clinical gait analysis. Gait and Posture, 2017, 54, 325-331.	1.4	115
87	Knee Biomechanics During Jogging After Arthroscopic Partial Meniscectomy: A Longitudinal Study. American Journal of Sports Medicine, 2017, 45, 1872-1880.	4.2	5
88	Biofeedback for Gait Retraining Based on Real-Time Estimation of Tibiofemoral Joint Contact Forces. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1612-1621.	4.9	88
89	The effects of cracks on the quantification of the cancellous bone fabric tensor in fossil and archaeological specimens: a simulation study. Journal of Anatomy, 2017, 230, 461-470.	1.5	5
90	Effects of hip joint centre mislocation on gait kinematics of children with cerebral palsy calculated using patient-specific direct and inverse kinematic models. Gait and Posture, 2017, 57, 154-160.	1.4	27

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91	An alternative whole-body marker set to accurately and reliably quantify joint kinematics during load carriage. Gait and Posture, 2017, 54, 318-324.	1.4	11
92	Accuracy and Reliability of Marker-Based Approaches to Scale the Pelvis, Thigh, and Shank Segments in Musculoskeletal Models. Journal of Applied Biomechanics, 2017, 33, 354-360.	0.8	62
93	Implementation of the hamstring lowers exercise in community Australian football â€“ A case study. Journal of Science and Medicine in Sport, 2017, 20, e8.	1.3	0
94	Toward modeling locomotion using electromyographyâ€informed 3D models: application to cerebral palsy. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2017, 9, e1368.	6.6	31
95	Relationships Between Tibiofemoral Contact Forces and Cartilage Morphology at 2 to 3 Years After Single-Bundle Hamstring Anterior Cruciate Ligament Reconstruction and in Healthy Knees. Orthopaedic Journal of Sports Medicine, 2017, 5, 232596711772250.	1.7	13
96	Using step width to compare locomotor biomechanics between extinct, non-avian theropod dinosaurs and modern obligate bipeds. Journal of the Royal Society Interface, 2017, 14, 20170276.	3.4	21
97	Quantitative Morphology of the Infra-Patellar Fat Pad In Young Adults at 2â€“3 Years After Anterior Cruciate Ligament Reconstruction Compared to Healthy Controls: A Cross-Sectional Analysis. Osteoarthritis and Cartilage, 2017, 25, S229.	1.3	0
98	Subject-Specificity via 3D Ultrasound and Personalized Musculoskeletal Modeling. Biosystems and Biorobotics, 2017, , 639-642.	0.3	1
99	Real-time inverse kinematics and inverse dynamics for lower limb applications using OpenSim. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 436-445.	1.6	60
100	Lower-limb joint work and power are modulated differently during load carriage based on speed and load configuration. Journal of Science and Medicine in Sport, 2017, 20, S106.	1.3	1
101	The effects of load configuration, mass, and movement speed on biomechanical risk factors for musculoskeletal injuries. Journal of Science and Medicine in Sport, 2017, 20, S174.	1.3	2
102	Bioinspired Technologies to Connect Musculoskeletal Mechanobiology to the Person for Training and Rehabilitation. Frontiers in Computational Neuroscience, 2017, 11, 96.	2.1	44
103	Muscle contributions to medial tibiofemoral compartment contact loading following ACL reconstruction using semitendinosus and gracilis tendon grafts. PLoS ONE, 2017, 12, e0176016.	2.5	30
104	Protocol for a multi-centre randomised controlled trial comparing arthroscopic hip surgery to physiotherapy-led care for femoroacetabular impingement (FAI): the Australian FASHIoN trial. BMC Musculoskeletal Disorders, 2017, 18, 406.	1.9	23
105	Muscle contributions to the acceleration of the whole body centre of mass during recovery from forward loss of balance by stepping in young and older adults. PLoS ONE, 2017, 12, e0185564.	2.5	13
106	RESEARCHING THE EFFECTIVENESS OF A SCIENCE PROFESSIONAL LEARNING PROGRAMME USING A PROPOSED CURRICULUM FRAMEWORK FOR SCHOOLS: A CASE STUDY. International Journal of Science and Mathematics Education, 2016, 14, 149-175.	2.5	6
107	157â€...The population-level impact of exercise training programs to prevent sports injuries â€“ a controlled ecological evaluation based on reductions in hospital-treated injuries. Injury Prevention, 2016, 22, A58.1-A58.	2.4	0
108	Tibiofemoral Contact Forces in the Anterior Cruciate Ligamentâ€“Reconstructed Knee. Medicine and Science in Sports and Exercise, 2016, 48, 2195-2206.	0.4	61

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109	Corrections to â€œNeural Data-Driven Musculoskeletal Modeling for Personalized Neurorehabilitation Technologiesâ€•[May 16 879-893]. IEEE Transactions on Biomedical Engineering, 2016, 63, 1341-1341.	4.2	7
110	Joint kinematic calculation based on clinical direct kinematic versus inverse kinematic gait models. Journal of Biomechanics, 2016, 49, 1658-1669.	2.1	114
111	Neural Data-Driven Musculoskeletal Modeling for Personalized Neurorehabilitation Technologies. IEEE Transactions on Biomedical Engineering, 2016, 63, 879-893.	4.2	121
112	Structured white light scanning of rabbit Achilles tendon. Journal of Biomechanics, 2016, 49, 3753-3758.	2.1	6
113	Morphologic Characteristics and Strength of the Hamstring Muscles Remain Altered at 2 Years After Use of a Hamstring Tendon Graft in Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2016, 44, 2589-2598.	4.2	114
114	Tibiofemoral contact forces during walking, running and sidestepping. Gait and Posture, 2016, 49, 78-85.	1.4	111
115	Scientific evidence is just the starting point: A generalizable process for developing sports injury prevention interventions. Journal of Sport and Health Science, 2016, 5, 334-341.	6.5	28
116	Tibiofemoral contact forces protect against articular tissue damage in the anterior cruciate ligament reconstructed knee, but not if there is concurent meniscal injury. Osteoarthritis and Cartilage, 2016, 24, S94.	1.3	3
117	152â€…Exercise training to prevent sports injuries: results from a clustered randomised controlled trial. Injury Prevention, 2016, 22, A56.1-A56.	2.4	1
118	The evolution of multiagency partnerships for safety over the course of research engagement: experiences from the NoGAPS project. Injury Prevention, 2016, 22, 386-391.	2.4	7
119	Soleus Muscle as a Surrogate for Health Status in Human Heart Failure. Exercise and Sport Sciences Reviews, 2016, 44, 45-50.	3.0	10
120	Hip joint contact loads in older adults during recovery from forward loss of balance by stepping. Journal of Biomechanics, 2016, 49, 2619-2624.	2.1	9
121	Instantaneous progression reference frame for calculating pelvis rotations: Reliable and anatomically-meaningful results independent of the direction of movement. Gait and Posture, 2016, 46, 30-34.	1.4	8
122	Different relationships exist between tibiofemoral contact forces and articular tissue morphology in anterior cruciate ligament reconstructed and healthy knees. Osteoarthritis and Cartilage, 2016, 24, S373-S374.	1.3	1
123	Multiscale musculoskeletal modelling, dataâ€“model fusion and electromyography-informed modelling. Interface Focus, 2016, 6, 20150084.	3.0	34
124	Estimation of musculotendon parameters for scaled and subject specific musculoskeletal models using an optimization technique. Journal of Biomechanics, 2016, 49, 141-148.	2.1	124
125	Preventing Australian football injuries with a targeted neuromuscular control exercise programme: comparative injury rates from a training intervention delivered in a clustered randomised controlled trial. Injury Prevention, 2016, 22, 123-128.	2.4	43
126	Predicting Knee Osteoarthritis. Annals of Biomedical Engineering, 2016, 44, 222-233.	2.5	47

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127	The influence and biomechanical role of cartilage split line pattern on tibiofemoral cartilage stress distribution during the stance phase of gait. Biomechanics and Modeling in Mechanobiology, 2016, 15, 195-204.	2.8	28
128	Muscle size explains low passive skeletal muscle force in heart failure patients. PeerJ, 2016, 4, e2447.	2.0	6
129	CEINMS: A toolbox to investigate the influence of different neural control solutions on the prediction of muscle excitation and joint moments during dynamic motor tasks. Journal of Biomechanics, 2015, 48, 3929-3936.	2.1	223
130	Do Moments and Strength Predict Cartilage Changes after Partial Meniscectomy?. Medicine and Science in Sports and Exercise, 2015, 47, 1549-1556.	0.4	34
131	Bridging the Gap Between Content and Context. Clinical Journal of Sport Medicine, 2015, 25, 221-229.	1.8	45
132	A flexible architecture to enhance wearable robots: Integration of EMG-informed models. , 2015, , .		8
133	Mechanisms underpinning the peak knee flexion moment increase over 2-years following arthroscopic partial meniscectomy. Clinical Biomechanics, 2015, 30, 1060-1065.	1.2	9
134	Biomechanical predictors of maximal balance recovery performance amongst community-dwelling older adults. Experimental Gerontology, 2015, 66, 39-46.	2.8	31
135	Estimation of the hip joint centre in human motion analysis: A systematic review. Clinical Biomechanics, 2015, 30, 319-329.	1.2	102
136	Is the Soleus a Sentinel Muscle for Impaired Aerobic Capacity in Heart Failure?. Medicine and Science in Sports and Exercise, 2015, 47, 498-508.	0.4	16
137	Cyclic mechanical stimulation rescues achilles tendon from degeneration in a bioreactor system. Journal of Orthopaedic Research, 2015, 33, 1888-1896.	2.3	44
138	Injuries in community-level Australian football: Results from a club-based injury surveillance system. Journal of Science and Medicine in Sport, 2015, 18, 651-655.	1.3	26
139	Changes in muscle activation following balance and technique training and a season of Australian football. Journal of Science and Medicine in Sport, 2015, 18, 348-352.	1.3	18
140	When â€¯just doing itâ€™ is not enough: Assessing the fidelity of player performance of an injury prevention exercise program. Journal of Science and Medicine in Sport, 2015, 18, 272-277.	1.3	51
141	What do community football players think about different exercise-training programmes? Implications for the delivery of lower limb injury prevention programmes. British Journal of Sports Medicine, 2014, 48, 702-707.	6.7	35
142	Coding OSICS sports injury diagnoses in epidemiological studies: does the background of the coder matter?. British Journal of Sports Medicine, 2014, 48, 552-556.	6.7	31
143	Muscle Synergies May Improve Optimization Prediction of Knee Contact Forces During Walking. Journal of Biomechanical Engineering, 2014, 136, 021031.	1.3	71
144	The reach and adoption of a coach-led exercise training programme in community football. British Journal of Sports Medicine, 2014, 48, 718-723.	6.7	23

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145	Knee Muscle Strength After Recent Partial Meniscectomy Does Not Relate to 2-year Change in Knee Adduction Moment. Clinical Orthopaedics and Related Research, 2014, 472, 3114-3120.	1.5	5
146	Bone remodelling in the natural acetabulum is influenced by muscle forceâ€induced bone stress. International Journal for Numerical Methods in Biomedical Engineering, 2014, 30, 28-41.	2.1	31
147	Subject-specific finite element analysis to characterize the influence of geometry and material properties in Achilles tendon rupture. Journal of Biomechanics, 2014, 47, 3598-3604.	2.1	51
148	Hybrid neuromusculoskeletal modeling to best track joint moments using a balance between muscle excitations derived from electromyograms and optimization. Journal of Biomechanics, 2014, 47, 3613-3621.	2.1	158
149	Mechanisms underpinning longitudinal increases in the knee adduction moment following arthroscopic partial meniscectomy. Clinical Biomechanics, 2014, 29, 892-897.	1.2	11
150	Gait analysis in chronic heart failure: The calf as a locus of impaired walking capacity. Journal of Biomechanics, 2014, 47, 3719-3725.	2.1	17
151	A longitudinal study of impact and early stance loads during gait following arthroscopic partial meniscectomy. Journal of Biomechanics, 2014, 47, 2852-2857.	2.1	11
152	Muscle contributions to recovery from forward loss of balance by stepping. Journal of Biomechanics, 2014, 47, 667-674.	2.1	31
153	Understanding young people with old knees: cartilage morphology at 2 years following ACL reconstruction with and without combined meniscectomy. Osteoarthritis and Cartilage, 2014, 22, S330-S331.	1.3	0
154	Can Technique Modification Training Reduce Knee Moments in a Landing Task?. Journal of Applied Biomechanics, 2014, 30, 231-236.	0.8	20
155	The MAP Client: User-Friendly Musculoskeletal Modelling Workflows. Lecture Notes in Computer Science, 2014, , 182-192.	1.3	44
156	Lizard tricks: Overcoming conflicting requirements of speed vs climbing ability by altering biomechanics of the lizard stride. Journal of Experimental Biology, 2013, 216, 3854-62.	1.7	29
157	Could Targeted Exercise Programmes Prevent Lower Limb Injury in Community Australian Football?. Sports Medicine, 2013, 43, 751-763.	6.5	26
158	The relationship between patellofemoral and tibiofemoral morphology and gait biomechanics following arthroscopic partial medial meniscectomy. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 1097-1103.	4.2	22
159	Subject-specific knee joint geometry improves predictions of medial tibiofemoral contact forces. Journal of Biomechanics, 2013, 46, 2778-2786.	2.1	216
160	Visual Search Differs But Not Reaction Time When Intercepting a 3D Versus 2D Videoed Opponent. Journal of Motor Behavior, 2013, 45, 107-115.	0.9	12
161	Quadriceps-hamstrings coactivation during maximal strength testing does not reflect coactivation during walking 3 months following arthroscopic partial meniscectomy. Osteoarthritis and Cartilage, 2013, 21, S275.	1.3	0
162	Physical activity patterns and function 3 months after arthroscopic partial meniscectomy. Journal of Science and Medicine in Sport, 2013, 16, 195-199.	1.3	9

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163	Soleus fascicle length changes are conserved between young and old adults at their preferred walking speed. Gait and Posture, 2013, 38, 764-769.	1.4	39
164	Bioreactor Design for Tendon/Ligament Engineering. Tissue Engineering - Part B: Reviews, 2013, 19, 133-146.	4.8	79
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