

Jack P Callaghan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6341255/publications.pdf>

Version: 2024-02-01

278
papers

7,552
citations

50276

46
h-index

76900

74
g-index

279
all docs

279
docs citations

279
times ranked

4313
citing authors

#	ARTICLE	IF	CITATIONS
1	Intervertebral disc herniation: studies on a porcine model exposed to highly repetitive flexion/extension motion with compressive force. <i>Clinical Biomechanics</i> , 2001, 16, 28-37.	1.2	317
2	Elimination of electrocardiogram contamination from electromyogram signals: An evaluation of currently used removal techniques. <i>Journal of Electromyography and Kinesiology</i> , 2006, 16, 175-187.	1.7	313
3	Low back three-dimensional joint forces, kinematics, and kinetics during walking. <i>Clinical Biomechanics</i> , 1999, 14, 203-216.	1.2	185
4	Effects of prolonged sitting on the passive flexion stiffness of the in vivo lumbar spine. <i>Spine Journal</i> , 2005, 5, 145-154.	1.3	178
5	Gluteus medius muscle activation patterns as a predictor of low back pain during standing. <i>Clinical Biomechanics</i> , 2008, 23, 545-553.	1.2	176
6	The Relationship Between Lumbar Spine Load and Muscle Activity During Extensor Exercises. <i>Physical Therapy</i> , 1998, 78, 8-18.	2.4	166
7	The impact of sit-stand office workstations on worker discomfort and productivity: A review. <i>Applied Ergonomics</i> , 2014, 45, 799-806.	3.1	150
8	Examination of the flexion relaxation phenomenon in erector spinae muscles during short duration slumped sitting. <i>Clinical Biomechanics</i> , 2002, 17, 353-360.	1.2	148
9	Gender-based differences in postural responses to seated exposures. <i>Clinical Biomechanics</i> , 2005, 20, 1101-1110.	1.2	138
10	Prolonged standing as a precursor for the development of low back discomfort: An investigation of possible mechanisms. <i>Gait and Posture</i> , 2008, 28, 86-92.	1.4	138
11	Is muscle co-activation a predisposing factor for low back pain development during standing? A multifactorial approach for early identification of at-risk individuals. <i>Journal of Electromyography and Kinesiology</i> , 2010, 20, 256-263.	1.7	138
12	The Porcine Cervical Spine as a Model of the Human Lumbar Spine. <i>Journal of Spinal Disorders</i> , 1999, 12, 415-423.	1.1	125
13	Gluteus medius strength, endurance, and co-activation in the development of low back pain during prolonged standing. <i>Human Movement Science</i> , 2011, 30, 63-73.	1.4	108
14	Spinal posture and prior loading history modulate compressive strength and type of failure in the spine: a biomechanical study using a porcine cervical spine model. <i>Clinical Biomechanics</i> , 2001, 16, 471-480.	1.2	105
15	Using the Functional Movement Screen to Evaluate the Effectiveness of Training. <i>Journal of Strength and Conditioning Research</i> , 2012, 26, 1620-1630.	2.1	102
16	Stability Ball Versus Office Chair: Comparison of Muscle Activation and Lumbar Spine Posture During Prolonged Sitting. <i>Human Factors</i> , 2006, 48, 142-153.	3.5	99
17	Application of Autocorrelation and Cross-correlation Analyses in Human Movement and Rehabilitation Research. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2009, 39, 287-295.	3.5	98
18	Lumbar Spine and Pelvic Posture Between Standing and Sitting: A Radiologic Investigation Including Reliability and Repeatability of the Lumbar Lordosis Measure. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2010, 33, 48-55.	0.9	98

#	ARTICLE	IF	CITATIONS
19	The influence of a seated break on prolonged standing induced low back pain development. <i>Ergonomics</i> , 2014, 57, 555-562.	2.1	94
20	The influence of static axial torque in combined loading on intervertebral joint failure mechanics using a porcine model. <i>Clinical Biomechanics</i> , 2005, 20, 1038-1045.	1.2	89
21	Implications for the Use of Postural Analysis as a Clinical Diagnostic Tool: Reliability of Quantifying Upright Standing Spinal Postures From Photographic Images. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2005, 28, 386-392.	0.9	88
22	Is lumbar lordosis related to low back pain development during prolonged standing?. <i>Manual Therapy</i> , 2015, 20, 553-557.	1.6	88
23	Progressive Disc Herniation. <i>Spine</i> , 2007, 32, 2869-2874.	2.0	85
24	Lumbar spine movement patterns during prolonged sitting differentiate low back pain developers from matched asymptomatic controls. <i>Work</i> , 2010, 35, 3-14.	1.1	84
25	Dynamic loading affects the mechanical properties and failure site of porcine spines. <i>Clinical Biomechanics</i> , 1997, 12, 301-305.	1.2	77
26	Changes in muscle activation patterns and subjective low back pain ratings during prolonged standing in response to an exercise intervention. <i>Journal of Electromyography and Kinesiology</i> , 2010, 20, 1125-1133.	1.7	74
27	Quantitative assessment of the accuracy for three interpolation techniques in kinematic analysis of human movement. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2010, 13, 847-855.	1.6	72
28	The reliability of quantifying upright standing postures as a baseline diagnostic clinical tool. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2004, 27, 91-96.	0.9	69
29	The effects of lumbar massage on muscle fatigue, muscle oxygenation, low back discomfort, and driver performance during prolonged driving. <i>Ergonomics</i> , 2006, 49, 28-44.	2.1	66
30	An evaluation of predictive methods for estimating cumulative spinal loading. <i>Ergonomics</i> , 2001, 44, 825-837.	2.1	63
31	Do Exercise Balls Provide a Training Advantage for Trunk Extensor Exercises? A Biomechanical Evaluation. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2006, 29, 354-362.	0.9	61
32	Determining the minimum sampling rate needed to accurately quantify cumulative spine loading from digitized video. <i>Applied Ergonomics</i> , 2003, 34, 589-595.	3.1	59
33	Development of Active Hip Abduction as a Screening Test for Identifying Occupational Low Back Pain. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2009, 39, 649-657.	3.5	59
34	Do individuals who develop transient low back pain exhibit different postural changes than non-pain developers during prolonged standing?. <i>Gait and Posture</i> , 2011, 34, 490-495.	1.4	59
35	Altered muscle recruitment during extension from trunk flexion in low back pain developers. <i>Clinical Biomechanics</i> , 2012, 27, 994-998.	1.2	59
36	Muscular contribution to low-back loading and stiffness during standard and suspended push-ups. <i>Human Movement Science</i> , 2008, 27, 457-472.	1.4	56

#	ARTICLE	IF	CITATIONS
37	The impact of a sloped surface on low back pain during prolonged standing work: A biomechanical analysis. <i>Applied Ergonomics</i> , 2010, 41, 787-795.	3.1	56
38	Early static standing is associated with prolonged standing induced low back pain. <i>Human Movement Science</i> , 2015, 44, 111-121.	1.4	56
39	Evidence of a pelvis-driven flexion pattern: Are the joints of the lower lumbar spine fully flexed in seated postures?. <i>Clinical Biomechanics</i> , 2009, 24, 164-168.	1.2	55
40	A comparison of trunk biomechanics, musculoskeletal discomfort and productivity during simulated sit-stand office work. <i>Ergonomics</i> , 2016, 59, 1275-1287.	2.1	55
41	Frozen storage increases the ultimate compressive load of porcine vertebrae. <i>Journal of Orthopaedic Research</i> , 1995, 13, 809-812.	2.3	54
42	Do flexion/extension postures affect the in vivo passive lumbar spine response to applied axial twist moments?. <i>Clinical Biomechanics</i> , 2008, 23, 510-519.	1.2	54
43	The role of dynamic flexion in spine injury is altered by increasing dynamic load magnitude. <i>Clinical Biomechanics</i> , 2009, 24, 148-154.	1.2	54
44	The time-varying response of the in vivo lumbar spine to dynamic repetitive flexion. <i>Clinical Biomechanics</i> , 2004, 19, 330-336.	1.2	53
45	FMS Scores Change With Performers's Knowledge of the Grading Criteria"Are General Whole-Body Movement Screens Capturing "Dysfunction"? <i>Journal of Strength and Conditioning Research</i> , 2015, 29, 3037-3044.	2.1	53
46	Predictions of health risks associated with the operation of load-haul-dump mining vehicles: Part 2" Evaluation of operator driving postures and associated postural loading. <i>International Journal of Industrial Ergonomics</i> , 2008, 38, 801-815.	2.6	51
47	Cumulative knee adductor load distinguishes between healthy and osteoarthritic knees" A proof of principle study. <i>Gait and Posture</i> , 2013, 37, 397-401.	1.4	48
48	Estimating the Compressive Strength of the Porcine Cervical Spine. <i>Spine</i> , 2005, 30, E492-E498.	2.0	47
49	Transient Low Back Pain Development During Standing Predicts Future Clinical Low Back Pain in Previously Asymptomatic Individuals. <i>Spine</i> , 2014, 39, E379-E383.	2.0	47
50	The Effect of an Active Lumbar System on the Seating Comfort of Officers in Police Fleet Vehicles. <i>International Journal of Occupational Safety and Ergonomics</i> , 2009, 15, 295-307.	1.9	43
51	Passive stiffness changes in the lumbar spine and effect of gender during prolonged simulated driving. <i>International Journal of Industrial Ergonomics</i> , 2011, 41, 617-624.	2.6	43
52	Association of pain with frequency and magnitude of knee loading in knee osteoarthritis. <i>Arthritis Care and Research</i> , 2011, 63, 991-997.	3.4	43
53	Influence of automobile seat lumbar support prominence on spine and pelvic postures: A radiological investigation. <i>Applied Ergonomics</i> , 2012, 43, 876-882.	3.1	43
54	Physical fitness improvements and occupational low-back loading " an exercise intervention study with firefighters. <i>Ergonomics</i> , 2014, 57, 744-763.	2.1	43

#	ARTICLE	IF	CITATIONS
55	The effect of camera viewing angle on posture assessment repeatability and cumulative spinal loading. <i>Ergonomics</i> , 2007, 50, 877-889.	2.1	42
56	A validation of a posture matching approach for the determination of 3D cumulative back loads. <i>Applied Ergonomics</i> , 2008, 39, 199-208.	3.1	40
57	Trunk muscle responses to suddenly applied loads: Do individuals who develop discomfort during prolonged standing respond differently?. <i>Journal of Electromyography and Kinesiology</i> , 2008, 18, 495-502.	1.7	40
58	Acute biomechanical responses to a prolonged standing exposure in a simulated occupational setting. <i>Ergonomics</i> , 2010, 53, 1117-1128.	2.1	40
59	Neck loads and posture exposure of helicopter pilots during simulated day and night flights. <i>International Journal of Industrial Ergonomics</i> , 2011, 41, 128-135.	2.6	40
60	Upper body kinematic and low-back kinetic responses to precision placement challenges and cognitive distractions during repetitive lifting. <i>International Journal of Industrial Ergonomics</i> , 2006, 36, 637-650.	2.6	37
61	Baseline knee adduction moment interacts with body mass index to predict loss of medial tibial cartilage volume over 2.5 years in knee Osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2017, 35, 2476-2483.	2.3	37
62	Is Standing the Solution to Sedentary Office Work?. <i>Ergonomics in Design</i> , 2015, 23, 20-24.	0.7	35
63	Quantifying low back peak and cumulative loads in open and senior sheep shearers in New Zealand: Examining the effects of a trunk harness. <i>Ergonomics</i> , 2006, 49, 968-981.	2.1	34
64	Knee adduction moment relates to medial femoral and tibial cartilage morphology in clinical knee osteoarthritis. <i>Journal of Biomechanics</i> , 2015, 48, 3495-3501.	2.1	34
65	The role of load magnitude as a modifier of the cumulative load tolerance of porcine cervical spinal units: progress towards a force weighting approach. <i>Theoretical Issues in Ergonomics Science</i> , 2007, 8, 171-184.	1.8	33
66	Exercise-Based Performance Enhancement and Injury Prevention for Firefighters. <i>Journal of Strength and Conditioning Research</i> , 2015, 29, 2441-2459.	2.1	33
67	The Influence of Posture and Loading on Interfacet Spacing. <i>Spine</i> , 2008, 33, E728-E734.	2.0	31
68	Cervical spine joint loading with neck flexion. <i>Ergonomics</i> , 2020, 63, 101-108.	2.1	31
69	The rule of 1s for padding kinematic data prior to digital filtering: Influence of sampling and filter cutoff frequencies. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, 875-881.	1.7	29
70	Developing an estimate of daily cumulative loading for the knee: Examining test-retest reliability. <i>Gait and Posture</i> , 2009, 30, 497-501.	1.4	27
71	Do NIRS measures relate to subjective low back discomfort during sedentary tasks?. <i>International Journal of Industrial Ergonomics</i> , 2010, 40, 165-170.	2.6	27
72	Does Vibration Influence the Initiation of Intervertebral Disc Herniation?. <i>Spine</i> , 2011, 36, E225-E231.	2.0	27

#	ARTICLE	IF	CITATIONS
73	Field Quantification of Physical Exposures of Police Officers in Vehicle Operation. <i>International Journal of Occupational Safety and Ergonomics</i> , 2011, 17, 61-68.	1.9	27
74	Muscle Activity and Low Back Loads Under External Shear and Compressive Loading. <i>Spine</i> , 1995, 20, 992-998.	2.0	26
75	Compressive force magnitude and intervertebral joint flexion/extension angle influence shear failure force magnitude in the porcine cervical spine. <i>Journal of Biomechanics</i> , 2012, 45, 484-490.	2.1	26
76	The effects of police duty belt and seat design changes on lumbar spine posture, driver contact pressure and discomfort. <i>Ergonomics</i> , 2013, 56, 126-136.	2.1	26
77	FMS scores and low-back loading during lifting – Whole-body movement screening as an ergonomic tool?. <i>Applied Ergonomics</i> , 2014, 45, 482-489.	3.1	26
78	Standing on a declining surface reduces transient prolonged standing induced low back pain development. <i>Applied Ergonomics</i> , 2016, 56, 76-83.	3.1	26
79	Biomechanical investigation of prolonged driving in an ergonomically designed truck seat prototype. <i>Ergonomics</i> , 2018, 61, 367-380.	2.1	26
80	The effect of fatigue on trunk muscle activation patterns and spine postures during simulated firefighting tasks. <i>Ergonomics</i> , 2008, 51, 1032-1041.	2.1	25
81	A Comparison of Uniaxial and Biaxial Mechanical Properties of the Annulus Fibrosus: A Porcine Model. <i>Journal of Biomechanical Engineering</i> , 2011, 133, 024503.	1.3	25
82	The Impact of Posture and Prolonged Cyclic Compressive Loading on Vertebral Joint Mechanics. <i>Spine</i> , 2012, 37, E1023-E1029.	2.0	25
83	Validity of a Paradigm for Low Back Pain Symptom Development During Prolonged Standing. <i>Clinical Journal of Pain</i> , 2015, 31, 652-659.	1.9	25
84	Using sitting as a component of job rotation strategies: Are lifting/lowering kinetics and kinematics altered following prolonged sitting. <i>Applied Ergonomics</i> , 2009, 40, 433-439.	3.1	24
85	Gender- and time-varying postural and discomfort responses during prolonged driving. <i>Occupational Ergonomics</i> , 2010, 9, 41-53.	0.3	24
86	Biomechanical and ergonomic assessment of urban transit operators. <i>Work</i> , 2014, 47, 33-44.	1.1	24
87	Trunk Muscle Activity During Wheelchair Ramp Ascent and the Influence of a Geared Wheel on the Demands of Postural Control. <i>Archives of Physical Medicine and Rehabilitation</i> , 2010, 91, 436-442.	0.9	23
88	Spine Posture and Discomfort During Prolonged Simulated Driving With Self-Selected Lumbar Support Prominence. <i>Human Factors</i> , 2015, 57, 976-987.	3.5	23
89	Characterizing the combined effects of force, repetition and posture on injury pathways and micro-structural damage in isolated functional spinal units from sub-acute-failure magnitudes of cyclic compressive loading. <i>Clinical Biomechanics</i> , 2015, 30, 953-959.	1.2	23
90	Lumbar postures, seat interface pressures and discomfort responses to a novel thoracic support for police officers during prolonged simulated driving exposures. <i>Applied Ergonomics</i> , 2016, 52, 160-168.	3.1	23

#	ARTICLE	IF	CITATIONS
91	The effect of standing interventions on acute low-back postures and muscle activation patterns. <i>Applied Ergonomics</i> , 2017, 58, 281-286.	3.1	23
92	Use of a geared wheelchair wheel to reduce propulsive muscular demand during ramp ascent: Analysis of muscle activation and kinematics. <i>Clinical Biomechanics</i> , 2010, 25, 21-28.	1.2	22
93	The influence of training on decision times and errors associated with classifying trunk postures using video-based posture assessment methods. <i>Ergonomics</i> , 2011, 54, 197-205.	2.1	22
94	An appraisal of the Functional Movement Screen's grading criteria "Is the composite score sensitive to risky movement behavior?". <i>Physical Therapy in Sport</i> , 2015, 16, 324-330.	1.9	22
95	Inter- and intra-observer reliability of calculating cumulative lumbar spine loads. <i>Ergonomics</i> , 2002, 45, 788-797.	2.1	21
96	Novel lap test determines the mechanics of delamination between annular lamellae of the intervertebral disc. <i>Journal of Biomechanics</i> , 2011, 44, 97-102.	2.1	21
97	Asymmetry of lumbopelvic movement patterns during active hip abduction is a risk factor for low back pain development during standing. <i>Human Movement Science</i> , 2016, 50, 38-46.	1.4	21
98	Possible mechanisms for the reduction of low back pain associated with standing on a sloped surface. <i>Gait and Posture</i> , 2013, 37, 313-318.	1.4	20
99	Comparing the biomechanical and psychophysical demands imposed on paramedics when using manual and powered stretchers. <i>Applied Ergonomics</i> , 2018, 70, 167-174.	3.1	20
100	Identifying interactive effects of task demands in lifting on estimates of in vivo low back joint loads. <i>Applied Ergonomics</i> , 2018, 67, 203-210.	3.1	20
101	The Effect of Static Torsion on the Compressive Strength of the Spine. <i>Spine</i> , 2004, 29, E304-E309.	2.0	19
102	Determining the optimal size for posture categories used in video-based posture assessment methods. <i>Ergonomics</i> , 2009, 52, 921-930.	2.1	19
103	The influence of skill and low back pain on trunk postures and low back loads of shearers. <i>Ergonomics</i> , 2010, 53, 65-73.	2.1	19
104	Characterization of the protective capacity of flooring systems using force-deflection profiling. <i>Medical Engineering and Physics</i> , 2013, 35, 108-115.	1.7	19
105	Unilateral ankle immobilization alters the kinematics and kinetics of lifting. <i>Work</i> , 2014, 47, 221-234.	1.1	19
106	The impact of office chair features on lumbar lordosis, intervertebral joint and sacral tilt angles: a radiographic assessment. <i>Ergonomics</i> , 2017, 60, 1393-1404.	2.1	19
107	Repeatability of Clinical, Biomechanical, and Motor Control Profiles in People with and without Standing-Induced Low Back Pain. <i>Rehabilitation Research and Practice</i> , 2010, 2010, 1-9.	0.6	18
108	An examination of the mechanical properties of the annulus fibrosus: The effect of vibration on the intra-lamellar matrix strength. <i>Medical Engineering and Physics</i> , 2012, 34, 472-477.	1.7	18

#	ARTICLE	IF	CITATIONS
109	Exploring interactions between force, repetition and posture on intervertebral disc height loss and bulging in isolated porcine cervical functional spinal units from sub-acute-failure magnitudes of cyclic compressive loading. <i>Journal of Biomechanics</i> , 2015, 48, 3701-3708.	2.1	18
110	Inter-rater reliability of output measures for a posture matching assessment approach: a pilot study with food service workers. <i>Ergonomics</i> , 2008, 51, 556-572.	2.1	17
111	A comparison of low back kinetic estimates obtained through posture matching, rigid link modeling and an EMG-assisted model. <i>Applied Ergonomics</i> , 2011, 42, 644-651.	3.1	17
112	The Impact of Mobile Data Terminal Use on Posture and Low-Back Discomfort When Combined With Simulated Prolonged Driving in Police Cruisers. <i>International Journal of Occupational Safety and Ergonomics</i> , 2013, 19, 415-422.	1.9	17
113	Low back pain development differentially influences centre of pressure regularity following prolonged standing. <i>Gait and Posture</i> , 2020, 78, e1-e6.	1.4	17
114	Errors associated with bin boundaries in observation-based posture assessment methods. <i>Occupational Ergonomics</i> , 2008, 8, 11-25.	0.3	17
115	Can periods of static loading be used to enhance the resistance of the spine to cumulative compression?. <i>Journal of Biomechanics</i> , 2007, 40, 2944-2952.	2.1	16
116	Intervertebral neural foramina deformation due to two types of repetitive combined loading. <i>Clinical Biomechanics</i> , 2009, 24, 1-6.	1.2	16
117	Biomechanical properties of the transverse carpal ligament under biaxial strain. <i>Journal of Orthopaedic Research</i> , 2012, 30, 757-763.	2.3	16
118	Can the Functional Movement Screen [®] be used to capture changes in spine and knee motion control following 12 weeks of training?. <i>Physical Therapy in Sport</i> , 2017, 23, 50-57.	1.9	16
119	Intervertebral Disc Segmentation and Volumetric Reconstruction From Peripheral Quantitative Computed Tomography Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 2748-2751.	4.2	15
120	An Examination of the Influence of Strain Rate on Subfailure Mechanical Properties of the Annulus Fibrosus. <i>Journal of Biomechanical Engineering</i> , 2010, 132, 091010.	1.3	15
121	Evaluation of the influence of mobile data terminal location on physical exposures during simulated police patrol activities. <i>Applied Ergonomics</i> , 2012, 43, 859-867.	3.1	15
122	Knee Power Is an Important Parameter in Understanding Medial Knee Joint Load in Knee Osteoarthritis. <i>Arthritis Care and Research</i> , 2014, 66, 687-694.	3.4	15
123	The Influence of Load and Speed on Individuals' Movement Behavior. <i>Journal of Strength and Conditioning Research</i> , 2015, 29, 2417-2425.	2.1	15
124	Hip Abductor Fatigability and Recovery Are Related to the Development of Low Back Pain During Prolonged Standing. <i>Journal of Applied Biomechanics</i> , 2018, 34, 39-46.	0.8	15
125	Gender Responses to Automobile and Office Sitting - Influence of Hip, Hamstring, and Low-Back Flexibility on Seated Postures. <i>The Ergonomics Open Journal</i> , 2008, 1, 1-9.	1.8	15
126	The effects of a continuous passive motion device on myoelectric activity of the erector spinae during prolonged sitting at a computer workstation. <i>Work</i> , 2003, 20, 237-44.	1.1	15

#	ARTICLE	IF	CITATIONS
127	Quantification of the relationship between load magnitude, rest duration and cumulative compressive tolerance of the spine: development of a weighting system for adjustment to a common injury exposure level. <i>Theoretical Issues in Ergonomics Science</i> , 2008, 9, 255-268.	1.8	14
128	Abdominal Muscles Dominate Contributions to Vertebral Joint Stiffness during the Push-up. <i>Journal of Applied Biomechanics</i> , 2008, 24, 130-139.	0.8	14
129	Why vehicle design matters: Exploring the link between line-of-sight, driving posture and risk factors for injury. <i>Work</i> , 2010, 35, 27-37.	1.1	14
130	The influence of resistance bands on frontal plane knee mechanics during body-weight squat and vertical jump movements. <i>Sports Biomechanics</i> , 2012, 11, 391-401.	1.6	14
131	Biomechanical assessment of massage therapists. <i>Occupational Ergonomics</i> , 2006, 6, 1-11.	0.3	14
132	Shoulder loading while performing automotive parts assembly tasks: A field study. <i>Occupational Ergonomics</i> , 2009, 8, 81-90.	0.3	13
133	Carpal tunnel and transverse carpal ligament stiffness with changes in wrist posture and indenter size. <i>Journal of Orthopaedic Research</i> , 2011, 29, 1682-1687.	2.3	13
134	The effect of posture category salience on decision times and errors when using observation-based posture assessment methods. <i>Ergonomics</i> , 2012, 55, 1548-1558.	2.1	13
135	Should We Be More on the Ball?. <i>Human Factors</i> , 2013, 55, 1064-1076.	3.5	13
136	Evaluating Abdominal and Lower-Back Muscle Activity While Performing Core Exercises on a Stability Ball and a Dynamic Office Chair. <i>Human Factors</i> , 2015, 57, 1149-1161.	3.5	13
137	Effects of sitting and standing on upper extremity physical exposures in materials handling tasks. <i>Ergonomics</i> , 2015, 58, 1637-1646.	2.1	13
138	A radiographic assessment of lumbar spine posture in four different upright standing positions. <i>Clinical Biomechanics</i> , 2016, 37, 131-136.	1.2	13
139	Effect of obesity on knee joint biomechanics during gait in young adults. <i>Cogent Medicine</i> , 2016, 3, 1173778.	0.7	13
140	Psychological Factors Are Related to Pain Intensity in Back-Healthy People Who Develop Clinically Relevant Pain During Prolonged Standing: A Preliminary Study. <i>PM and R</i> , 2016, 8, 1031-1038.	1.6	13
141	Are hybrid sit-stand postures a good compromise between sitting and standing?. <i>Ergonomics</i> , 2019, 62, 811-822.	2.1	13
142	Effects of minimum sampling rate and signal reconstruction on surface electromyographic signals. <i>Journal of Electromyography and Kinesiology</i> , 2005, 15, 474-481.	1.7	12
143	Methodological considerations for the calculation of cumulative compression exposure of the lumbar spine: A sensitivity analysis on joint model and time standardization approaches. <i>Ergonomics</i> , 2007, 50, 1365-1376.	2.1	12
144	A Stochastic Framework for Movement Strategy Identification and Analysis. <i>IEEE Transactions on Human-Machine Systems</i> , 2013, 43, 314-327.	3.5	12

#	ARTICLE	IF	CITATIONS
145	The predictive value of general movement tasks in assessing occupational task performance. <i>Work</i> , 2015, 52, 11-18.	1.1	12
146	Is intervertebral disc pressure linked to herniation?: An in-vitro study using a porcine model. <i>Journal of Biomechanics</i> , 2016, 49, 1824-1830.	2.1	12
147	An ergonomic evaluation of city police officers: an analysis of perceived discomfort within patrol duties. <i>International Journal of Occupational Safety and Ergonomics</i> , 2017, 23, 175-184.	1.9	12
148	Assisting Frail Seniors With Toileting in a Home Bathroom: Approaches Used by Home Care Providers. <i>Journal of Applied Gerontology</i> , 2019, 38, 717-749.	2.0	12
149	Task variability and extrapolated cumulative low back loads. <i>Occupational Ergonomics</i> , 2006, 5, 149-159.	0.3	12
150	Trunk postures and peak and cumulative low back kinetics during upright posture sheep shearing. <i>Ergonomics</i> , 2009, 52, 1576-1583.	2.1	11
151	Anthropometry-Corrected Exposure Modeling as a Method to Improve Trunk Posture Assessment with a Single Inclinometer. <i>Journal of Occupational and Environmental Hygiene</i> , 2013, 10, 143-154.	1.0	11
152	The distribution of lumbar intervertebral angles in upright standing and extension is related to low back pain developed during standing. <i>Clinical Biomechanics</i> , 2017, 49, 85-90.	1.2	11
153	Precision based guidelines for sub-maximal normalisation task selection for trunk extensor EMG. <i>Journal of Electromyography and Kinesiology</i> , 2017, 37, 41-51.	1.7	11
154	Incorporating loading variability into in vitro injury analyses and its effect on cumulative compression tolerance in porcine cervical spine units. <i>Journal of Biomechanics</i> , 2019, 88, 48-54.	2.1	11
155	The effect of age on <i>in-vivo</i> spine stiffness, postures and discomfort responses during prolonged sitting exposures. <i>Ergonomics</i> , 2019, 62, 917-927.	2.1	11
156	Effects of Anterior Shear Displacement Rate on the Structural Properties of the Porcine Cervical Spine. <i>Journal of Biomechanical Engineering</i> , 2010, 132, 091004.	1.3	10
157	Analysis of muscle activation patterns during transitions into and out of high knee flexion postures. <i>Journal of Electromyography and Kinesiology</i> , 2014, 24, 711-717.	1.7	10
158	A hip abduction exercise prior to prolonged standing increased movement while reducing cocontraction and low back pain perception in those initially reporting low back pain. <i>Journal of Electromyography and Kinesiology</i> , 2016, 31, 63-71.	1.7	10
159	Spine loading during laboratory-simulated fireground operations – inter-individual variation and method of load quantification. <i>Ergonomics</i> , 2019, 62, 1426-1438.	2.1	10
160	Local dynamic stability of the lower extremity in novice and trained runners while running intraditional and minimal footwear. <i>Gait and Posture</i> , 2019, 68, 50-54.	1.4	10
161	Joint fatigue-failure: A demonstration of viscoelastic responses to rate and frequency loading parameters using the porcine cervical spine. <i>Journal of Biomechanics</i> , 2020, 113, 110081.	2.1	10
162	Influence of dynamic factors on calculating cumulative low back loads. <i>Occupational Ergonomics</i> , 2005, 5, 89-97.	0.3	10

#	ARTICLE	IF	CITATIONS
163	Level of exoskeleton support influences shoulder elevation, external rotation and forearm pronation during simulated work tasks in females. <i>Applied Ergonomics</i> , 2022, 98, 103591.	3.1	10
164	Impact forces following the unexpected removal of a chair while sitting. <i>Accident Analysis and Prevention</i> , 1999, 31, 85-89.	5.7	9
165	Shape-guided active contour based segmentation and tracking of lumbar vertebrae in video fluoroscopy using complex wavelets. , 2008, 2008, 863-6.		9
166	Influence of Input Hardware and Work Surface Angle on Upper Limb Posture in a Hybrid Computer Workstation. <i>Human Factors</i> , 2016, 58, 107-119.	3.5	9
167	Neck muscle activity during simulated in-flight static neck postures and helmet mounted equipment. <i>Occupational Ergonomics</i> , 2017, 13, 119-130.	0.3	9
168	A pre/post evaluation of fatigue, stress and vigilance amongst commercially licensed truck drivers performing a prolonged driving task. <i>International Journal of Occupational Safety and Ergonomics</i> , 2019, 25, 344-354.	1.9	9
169	An Examination of Shoulder Postures and Moments of Force Among Different Skill Levels in the Wool Harvesting Industry. <i>International Journal of Occupational Safety and Ergonomics</i> , 2009, 15, 409-418.	1.9	8
170	Validation of occupational estimates of cumulative low-back load. <i>Occupational Ergonomics</i> , 2012, 10, 113-124.	0.3	8
171	Postural influence on the neutral zone of the porcine cervical spine under anterior-posterior shear load. <i>Medical Engineering and Physics</i> , 2013, 35, 910-918.	1.7	8
172	Lower limb kinematic variability associated with minimal footwear during running. <i>Footwear Science</i> , 2013, 5, 171-177.	2.1	8
173	The effect of police cruiser restraint cage configuration on shoulder discomfort, muscular demands, upper limb postures, and task performance during simulated police patrol. <i>Applied Ergonomics</i> , 2014, 45, 1414-1421.	3.1	8
174	A mechanistic damage model for ligaments. <i>Journal of Biomechanics</i> , 2017, 61, 11-17.	2.1	8
175	Examining endplate fatigue failure during cyclic compression loading with variable and consistent peak magnitudes using a force weighting adjustment approach: an <i>in vitro</i> study. <i>Ergonomics</i> , 2019, 62, 1339-1348.	2.1	8
176	Low-velocity motor vehicle collision characteristics associated with claimed low back pain. <i>Traffic Injury Prevention</i> , 2019, 20, 419-423.	1.4	8
177	Accuracy of spine cumulative loading using self-reported duration and frequency information during non-occupational tasks. <i>International Journal of Industrial Ergonomics</i> , 2005, 35, 687-696.	2.6	7
178	An examination of shoulder kinematics and kinetics when using a commercial trunk harness while sheep shearing. <i>Applied Ergonomics</i> , 2008, 39, 29-35.	3.1	7
179	FMS scores change with performers' knowledge of the grading criteria " Are general whole-body movement screens capturing "dysfunction"? <i>Journal of Strength and Conditioning Research</i> , 2013, Publish Ahead of Print, .	2.1	7
180	The influence of precision requirements and cognitive challenges on upper extremity joint reaction forces, moments and muscle force estimates during prolonged repetitive lifting. <i>Ergonomics</i> , 2014, 57, 236-246.	2.1	7

#	ARTICLE	IF	CITATIONS
181	Acute Surgical Injury Alters the Tensile Properties of Thoracolumbar Fascia in a Porcine Model. <i>Journal of Biomechanical Engineering</i> , 2018, 140, .	1.3	7
182	Does proactive cyclic usage of a footrest prevent the development of standing induced low back pain?. <i>Human Movement Science</i> , 2019, 66, 84-90.	1.4	7
183	Ergonomic evaluation of a new truck seat design: a field study. <i>International Journal of Occupational Safety and Ergonomics</i> , 2019, 25, 331-343.	1.9	7
184	An Electromyographically Driven Cervical Spine Model in OpenSim. <i>Journal of Applied Biomechanics</i> , 2021, 37, 481-493.	0.8	7
185	The impact of a progressive sit-stand rotation exposure duration on low back posture, muscle activation, and pain development. <i>Ergonomics</i> , 2021, 64, 502-511.	2.1	7
186	A proposed method to detect kinematic differences between and within individuals. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 479-487.	1.7	6
187	The Impact of Posture on the Mechanical Properties of a Functional Spinal Unit During Cyclic Compressive Loading. <i>Journal of Biomechanical Engineering</i> , 2016, 138, .	1.3	6
188	Expressing angles relative to reference postures: A mathematical comparison of four approaches. <i>Journal of Biomechanics</i> , 2020, 104, 109733.	2.1	6
189	A Comparison of Clinical Spinal Mobility Measures to Experimentally Derived Lumbar Spine Passive Stiffness. <i>Journal of Applied Biomechanics</i> , 2020, 36, 397-407.	0.8	6
190	Dynamic factors and force-weighting corrections influence estimates of cumulative vertebral joint compression. <i>Theoretical Issues in Ergonomics Science</i> , 2010, 11, 474-488.	1.8	5
191	Towards establishing an occupational threshold for cumulative shear force in the vertebral joint "An in vitro evaluation of a risk factor for spondylolytic fractures using porcine specimens. <i>Clinical Biomechanics</i> , 2013, 28, 246-254.	1.2	5
192	Partial rupture of the Achilles tendon during a simulated fire ground task: Insights obtained from a case report for the prevention and reporting of musculoskeletal injury. <i>Clinical Biomechanics</i> , 2013, 28, 436-440.	1.2	5
193	Computerised system for measurement of muscle thickness based on ultrasonography. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013, 16, 249-255.	1.6	5
194	Localized strain measurements of the intervertebral disc annulus during biaxial tensile testing. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 1737-1743.	1.6	5
195	Peak Stress in the Annulus Fibrosus Under Cyclic Biaxial Tensile Loading. <i>Journal of Biomechanical Engineering</i> , 2016, 138, 051006.	1.3	5
196	Quantifying the postural demands of patrol officers: a field study. <i>International Journal of Occupational Safety and Ergonomics</i> , 2017, 23, 185-197.	1.9	5
197	The effects of shoulder abduction angle and wrist angle on upper extremity muscle activity in unilateral right handed push/pull tasks. <i>International Journal of Industrial Ergonomics</i> , 2018, 64, 102-107.	2.6	5
198	Characterizing trunk muscle activations during simulated low-speed rear impact collisions. <i>Traffic Injury Prevention</i> , 2019, 20, 314-319.	1.4	5

#	ARTICLE	IF	CITATIONS
199	Validation of an Ultrasound Protocol to Measure Intervertebral Axial Twist during Functional Twisting Movements in Isolated Functional Spinal Units. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 642-649.	1.5	5
200	A one-dimensional collagen-based biomechanical model of passive soft tissue with viscoelasticity and failure. <i>Journal of Theoretical Biology</i> , 2021, 509, 110488.	1.7	5
201	The rate of tendon failure in a collagen fibre recruitment-based model. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 115, 104273.	3.1	5
202	Reaction Forces and Flexion-Extension Moments Imposed on Functional Spinal Units With Constrained and Unconstrained In Vitro Testing Systems. <i>Journal of Biomechanical Engineering</i> , 2022, 144, .	1.3	5
203	The use of artificial neural networks to reduce data collection demands in determining spine loading: a laboratory based analysis. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2009, 12, 511-522.	1.6	4
204	Foot Placement in Oblique Stair Descent. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2011, 55, 1765-1768.	0.3	4
205	Is there a low-back cost to hip-centric exercise? Quantifying the lumbar spine joint compression and shear forces during movements used to overload the hips. <i>Journal of Sports Sciences</i> , 2012, 30, 859-870.	2.0	4
206	The Effect of Wallet Thickness on Spine Posture, Seat Interface Pressure, and Perceived Discomfort During Sitting. <i>IIE Transactions on Occupational Ergonomics and Human Factors</i> , 2014, 2, 83-93.	0.4	4
207	The effect of task type and perceived demands on postural movements during standing work. <i>Applied Ergonomics</i> , 2018, 69, 146-152.	3.1	4
208	A procedure for determining parameters of a simplified ligament model. <i>Journal of Biomechanics</i> , 2018, 66, 175-179.	2.1	4
209	Strain of the facet joint capsule during rotation and translation range-of-motion tests: an in vitro porcine model as a human surrogate. <i>Spine Journal</i> , 2020, 20, 475-487.	1.3	4
210	A comparison of trunk control in people with no history, standing-induced, and recurrent low back pain during trunk extension. <i>Journal of Manual and Manipulative Therapy</i> , 2020, 28, 94-102.	1.2	4
211	Bathing frail seniors at home: Home care providers' approaches. <i>Work</i> , 2020, 66, 499-517.	1.1	4
212	Pain symptoms are reported earlier than quantitative measures of low back pain during prolonged standing. <i>Work</i> , 2020, 67, 149-155.	1.1	4
213	The effect of age, prolonged seated work and sex on posture and perceived effort during a lifting task. <i>Applied Ergonomics</i> , 2020, 89, 103198.	3.1	4
214	Partitioning the total seatback reaction force amongst the lumbar spine motion segments during simulated rear-impact collisions. <i>International Journal of Occupational Safety and Ergonomics</i> , 2021, 27, 613-619.	1.9	4
215	An Appropriate Criterion Reveals that Low Pass Filtering Can Improve the Estimation of Counter-movement Jump Height from Force Plate Data. <i>Measurement in Physical Education and Exercise Science</i> , 2021, 25, 344-352.	1.8	4
216	Model-Aided Design of a Rear-Impact Collision Testing System for In Vivo Investigations. <i>Journal of Biomechanical Engineering</i> , 2021, 143, .	1.3	4

#	ARTICLE	IF	CITATIONS
217	Reconstructing an accelerometer-based pelvis segment for three-dimensional kinematic analyses during laboratory simulated tasks with obstructed line-of-sight. <i>Journal of Biomechanics</i> , 2021, 123, 110512.	2.1	4
218	Mechanically induced histochemical and structural damage in the annulus fibrosus and cartilaginous endplate: a multi-colour immunofluorescence analysis. <i>Cell and Tissue Research</i> , 2022, 390, 59-70.	2.9	4
219	The interaction between skill, postures, forces and back pain in wool handling. <i>Applied Ergonomics</i> , 2011, 42, 801-806.	3.1	3
220	Gait adaptations to different paths of stair descent. <i>Gait and Posture</i> , 2013, 38, 691-695.	1.4	3
221	Semi-automatic Fisher-Tippett guided active contour for lumbar multifidus muscle segmentation. , 2014, 2014, 5530-3.		3
222	Influence of an oblique path of staircase descent on toe placement and foot clearance. <i>International Journal of Occupational Safety and Ergonomics</i> , 2016, 22, 580-586.	1.9	3
223	Influence of input device, work surface angle, and task on spine kinematics. <i>Work</i> , 2016, 55, 773-782.	1.1	3
224	The influence of repeated chin bar impacts on the protective properties of full-face mountain biking helmets. <i>Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology</i> , 2016, 230, 213-224.	0.7	3
225	Development and Test of a Short Message on Manual Materials Handling Hazards and Controls in Small and Micro Businesses. <i>IIE Transactions on Occupational Ergonomics and Human Factors</i> , 2018, 6, 11-20.	0.8	3
226	The need to accommodate monitor height changes between sitting and standing. <i>Ergonomics</i> , 2019, 62, 1515-1523.	2.1	3
227	Exploring the regional disc bulge response of the cervical porcine intervertebral disc under varying loads and posture. <i>Journal of Biomechanics</i> , 2020, 104, 109713.	2.1	3
228	A computerised system for measurement of the radial displacement of the intervertebral disc using a laser scanning device. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2020, 8, 287-293.	1.9	3
229	Analysis of invoked slips while wearing flip-flops in wet and dry conditions: Does alternative footwear alter slip kinematics?. <i>Applied Ergonomics</i> , 2021, 92, 103318.	3.1	3
230	Night Vision Goggle and Counterweight Use Affect Neck Muscle Activity During Reciprocal Scanning. <i>Aerospace Medicine and Human Performance</i> , 2021, 92, 172-181.	0.4	3
231	Anti-fatigue mats can reduce low back discomfort in transient pain developers. <i>Applied Ergonomics</i> , 2022, 100, 103661.	3.1	3
232	A systematic approach to feature tracking of lumbar spine vertebrae from fluoroscopic images using complex-valued wavelets. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2009, 12, 607-616.	1.6	2
233	Three-dimensional peak and cumulative L4/L5 spine loads and trunk postures during non-occupational tasks. <i>Occupational Ergonomics</i> , 2010, 9, 127-139.	0.3	2
234	Detecting changes in human motion using stochastic distance measures. , 2011, 2011, 3475-8.		2

#	ARTICLE	IF	CITATIONS
235	The impact of shear force magnitude on cumulative injury load tolerance: a force weighting approach for low-back shear loads. <i>Theoretical Issues in Ergonomics Science</i> , 2013, 14, 402-416.	1.8	2
236	Three-dimensional peak and cumulative shoulder loads and postures during non-occupational tasks: A preliminary investigation. <i>Work</i> , 2014, 47, 73-86.	1.1	2
237	The impact of compressive force magnitude on the <i>in vitro</i> neutral zone range and passive stiffness during a flexion-extension range of motion test. <i>Cogent Engineering</i> , 2015, 2, 1014253.	2.2	2
238	The Effect of Local Hydration Environment on the Mechanical Properties and Unloaded Temporal Changes of Isolated Porcine Annular Samples. <i>Journal of Biomechanical Engineering</i> , 2016, 138, .	1.3	2
239	The effect of axial twist angle on <i>in vitro</i> cumulative injury load tolerance: a magnitude-weighting approach for axial twist exposures. <i>Theoretical Issues in Ergonomics Science</i> , 2020, 21, 463-477.	1.8	2
240	Ergonomics training coupled with new Sit-Stand workstation implementation influences usage. <i>Ergonomics</i> , 2021, 64, 582-592.	2.1	2
241	A novel least-squares method to characterize in-vivo joint functional passive regional stiffness zones. <i>Human Movement Science</i> , 2021, 76, 102765.	1.4	2
242	Exposure to Sustained Flexion Impacts Lumbar Extensor Spinae Muscle Fiber Orientation. <i>Journal of Applied Biomechanics</i> , 2021, 37, 248-253.	0.8	2
243	Predicting Cervical Spine Compression and Shear in Helicopter Helmeted Conditions Using Artificial Neural Networks. <i>IIEE Transactions on Occupational Ergonomics and Human Factors</i> , 2021, 9, 154-166.	0.8	2
244	Higher body mass index and body fat percentage correlate to lower joint and functional strength in working age adults. <i>Applied Ergonomics</i> , 2021, 95, 103453.	3.1	2
245	Moving Toward Individual-Specific Automotive Seat Design: How Individual Characteristics and Time Alter the Selected Lumbar Support Prominence. <i>Human Factors</i> , 2021, , 001872082110427.	3.5	2
246	Passive stiffness changes in the lumbar spine following simulated automotive low speed rear-end collisions. <i>Clinical Biomechanics</i> , 2021, 90, 105507.	1.2	2
247	Predicting 3D cumulative L4/L5 spine loads using heart rate determined physical activity level. <i>Occupational Ergonomics</i> , 2007, 6, 173-186.	0.3	2
248	Does sitting on a stability ball increase fall risk during ergonomic reaching tasks?. <i>Applied Ergonomics</i> , 2022, 102, 103721.	3.1	2
249	Cervical Spine Motion Requirements From Night Vision Goggles May Play a Greater Role in Chronic Neck Pain than Helmet Mass Properties. <i>Human Factors</i> , 2024, 66, 363-376.	3.5	2
250	Posture and Helmet Configuration Effects on Joint Reaction Loads in the Middle Cervical Spine. <i>Aerospace Medicine and Human Performance</i> , 2022, 93, 458-466.	0.4	2
251	Defining the lumbar and trunk-thigh neutral zone from the passive stiffness curve: application to hybrid sit-stand postures and chair design. <i>Ergonomics</i> , 2023, 66, 338-349.	2.1	2
252	EMG-biofeedback and load sharing problem in assistive and rehabilitation orthotic devices. , 2009, 2009, 3000-3.		1

#	ARTICLE	IF	CITATIONS
253	Surrogate representation of a task as a method for data reduction in calculating cumulative spinal loading. <i>Theoretical Issues in Ergonomics Science</i> , 2011, 12, 558-572.	1.8	1
254	Development of an equation for calculating vertebral shear failure tolerance without destructive mechanical testing using iterative linear regression. <i>Medical Engineering and Physics</i> , 2013, 35, 1212-1220.	1.7	1
255	A versatile approach to determine instantaneous co-activation: Development, implementation and comparison to existing measures. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2018, 21, 625-634.	1.6	1
256	Office Chair Backrest Height Affects Physiological Responses to Sitting. <i>IIEE Transactions on Occupational Ergonomics and Human Factors</i> , 2020, 8, 50-59.	0.8	1
257	Exploring the influence of impact severity and posture on vertebral joint mechanics in an in-vitro porcine model. <i>Journal of Biomechanics</i> , 2021, 122, 110479.	2.1	1
258	The relationship between external thoracopelvic angle and lumbar segmental axial twist angle using an ultrasound imaging technique. <i>Human Movement Science</i> , 2021, 78, 102824.	1.4	1
259	The Influence of Simulated Low Speed Vehicle Impacts and Posture on Passive Intervertebral Mechanics. <i>Spine</i> , 2022, 47, E362-E369.	2.0	1
260	Strain Response in the Facet Joint Capsule During Physiological Joint Rotation and Translation Following a Simulated Impact Exposure: An In Vitro Porcine Model. <i>Journal of Biomechanical Engineering</i> , 2022, 144, .	1.3	1
261	Effects of weighing phase duration on vertical force-time analyses and repeatability. <i>Sports Biomechanics</i> , 2022, , 1-11.	1.6	1
262	Characterizing Lumbar Spine Kinematics and Kinetics During Simulated Low-Speed Rear Impact Collisions. <i>Journal of Applied Biomechanics</i> , 2022, 38, 155-163.	0.8	1
263	The Reliability of Quantifying Upright Standing Postures as a Baseline Diagnostic Clinical Tool. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2004, 27, 534-535.	0.9	0
264	Existing muscle synergies and low back pain. , 2013, , 113-122.		0
265	Police Officer Discomfort and Activity Characterization During a Day Shift and a Night Shift. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 1820-1824.	0.3	0
266	Markov-chain Monte Carlo-based image reconstruction for streak artefact reduction on contrast-enhanced computed tomography. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2014, 2, 67-75.	1.9	0
267	A finite element evaluation of the moment arm hypothesis for altered vertebral shear failure force. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 545-555.	1.6	0
268	Author response: Re: Re: Fewster etÂal. (2019) Characterizing trunk muscle activations during simulated low-speed rear impact collisions. <i>Traffic Injury Prevention</i> , 2019, 20, 887-890.	1.4	0
269	Evaluation of Fiberglass and Aluminum Ladder Stability During a Simulated Tethered Operator Fall Event. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019, 63, 1797-1801.	0.3	0
270	Footfall Deflection of Antifatigue Flooring During Simulated Human Stance. <i>Ergonomics in Design</i> , 2020, , 106480462097573.	0.7	0

#	ARTICLE	IF	CITATIONS
271	A Mobile Application to Measure Trunk Flexion Angles in Lifting Tasks. IISE Transactions on Occupational Ergonomics and Human Factors, 2020, 8, 63-71.	0.8	0
272	Measurement of Sit-Stand Desk Usage by Desk-Mounted Sensors. Ergonomics in Design, 2021, 29, 4-10.	0.7	0
273	Interrelated hypoalgesia, creep, and muscle fatigue following a repetitive trunk flexion exposure. Journal of Electromyography and Kinesiology, 2021, 57, 102531.	1.7	0
274	Quantifying supraspinatus tendon responses to exposures emulative of human physiological levels in an animal model. Journal of Biomechanics, 2021, 122, 110476.	2.1	0
275	Biomechanical comparison of a C1 posterior arch clamp with C1 lateral mass screws in constructs for C1-C2 fusion. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2021, 235, 1463-1470.	1.8	0
276	The Effects of an Acute Maximal Seated Lumbar Spine Flexion Exposure on Low Back Mechanical Pain Sensitivity. Journal of Applied Biomechanics, 2021, , 1-8.	0.8	0
277	Characterizing the Mechanical and Viscoelastic Response of the Porcine Facet Joint Capsule Ligament in Response to a Simulated Impact. Journal of Biomechanical Engineering, 2022, 144, .	1.3	0
278	Are rotational passive stiffness and translational passive stiffness correlated? A porcine in vitro study. Clinical Biomechanics, 2022, 94, 105610.	1.2	0