

Jack T Dennerlein

List of Publications by Year in descending order

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Version: 2024-02-01

213
papers

6,333
citations

57758

44
h-index

102487

66
g-index

223
all docs

223
docs citations

223
times ranked

5048
citing authors

#	ARTICLE	IF	CITATIONS
1	Prevalence of Work-Related Musculoskeletal Disorders Among Surgeons and Interventionalists. <i>JAMA Surgery</i> , 2018, 153, e174947.	4.3	274
2	Effectiveness of workplace interventions in the prevention of upper extremity musculoskeletal disorders and symptoms: an update of the evidence. <i>Occupational and Environmental Medicine</i> , 2016, 73, 62-70.	2.8	211
3	Reality-based models for vibration feedback in virtual environments. <i>IEEE/ASME Transactions on Mechatronics</i> , 2001, 6, 245-252.	5.8	186
4	Risk of injury for bicycling on cycle tracks versus in the street. <i>Injury Prevention</i> , 2011, 17, 131-135.	2.4	176
5	Touch-screen tablet user configurations and case-supported tilt affect head and neck flexion angles. <i>Work</i> , 2012, 41, 81-91.	1.1	141
6	Systematic Review of the Role of Occupational Health and Safety Interventions in the Prevention of Upper Extremity Musculoskeletal Symptoms, Signs, Disorders, Injuries, Claims and Lost Time. <i>Journal of Occupational Rehabilitation</i> , 2010, 20, 127-162.	2.2	131
7	Different computer tasks affect the exposure of the upper extremity to biomechanical risk factors. <i>Ergonomics</i> , 2006, 49, 45-61.	2.1	123
8	Integrating worksite health protection and health promotion: A conceptual model for intervention and research. <i>Preventive Medicine</i> , 2016, 91, 188-196.	3.4	106
9	Job rotation designed to prevent musculoskeletal disorders and control risk in manufacturing industries: A systematic review. <i>Applied Ergonomics</i> , 2017, 58, 386-397.	3.1	100
10	An Integrative Total Worker Health Framework for Keeping Workers Safe and Healthy During the COVID-19 Pandemic. <i>Human Factors</i> , 2020, 62, 689-696.	3.5	88
11	Integration of Health Protection and Health Promotion. <i>Journal of Occupational and Environmental Medicine</i> , 2013, 55, S12-S18.	1.7	85
12	Haptic Force-Feedback Devices for the Office Computer: Performance and Musculoskeletal Loading Issues. <i>Human Factors</i> , 2001, 43, 278-286.	3.5	82
13	Ergonomics and human factors in endoscopic surgery: a comparison of manual vs telerobotic simulation systems. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2005, 19, 1064-1070.	2.4	80
14	The future of research on work, safety, health and wellbeing: A guiding conceptual framework. <i>Social Science and Medicine</i> , 2021, 269, 113593.	3.8	80
15	Daily computer usage correlated with undergraduate students' musculoskeletal symptoms. <i>American Journal of Industrial Medicine</i> , 2007, 50, 481-488.	2.1	75
16	Association between psychosocial factors and musculoskeletal symptoms among Iranian nurses. <i>American Journal of Industrial Medicine</i> , 2010, 53, 1032-1039.	2.1	75
17	Prevalence and Physical Determinants of Low Back Pain in a Rural Chinese Population. <i>Spine</i> , 2006, 31, 2728-2734.	2.0	72
18	Tensions of the flexor digitorum superficialis are higher than a current model predicts. <i>Journal of Biomechanics</i> , 1998, 31, 295-301.	2.1	71

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19	Machine learning algorithms based on signals from a single wearable inertial sensor can detect surface- and age-related differences in walking. <i>Journal of Biomechanics</i> , 2018, 71, 37-42.	2.1	71
20	Construction Workers Struggle With a High Prevalence of Mental Distress, and This Is Associated With Their Pain and Injuries. <i>Journal of Occupational and Environmental Medicine</i> , 2013, 55, 1197-1204.	1.7	68
21	A method of measuring fingertip loading during keyboard use. <i>Journal of Biomechanics</i> , 1994, 27, 1101-1104.	2.1	67
22	Wrist and shoulder posture and muscle activity during touch-screen tablet use: Effects of usage configuration, tablet type, and interacting hand. <i>Work</i> , 2013, 45, 59-71.	1.1	67
23	Work and worker health in the post-pandemic world: a public health perspective. <i>Lancet Public Health</i> , The, 2022, 7, e188-e194.	10.0	66
24	Measuring Best Practices for Workplace Safety, Health, and Well-Being. <i>Journal of Occupational and Environmental Medicine</i> , 2018, 60, 430-439.	1.7	65
25	A research framework for the development and implementation of interventions preventing work-related musculoskeletal disorders. <i>Scandinavian Journal of Work, Environment and Health</i> , 2017, 43, 526-539.	3.4	65
26	Predictors of whole-body vibration levels among urban taxi drivers. <i>Ergonomics</i> , 2003, 46, 1075-1090.	2.1	64
27	The Role of the Work Context in Multiple Wellness Outcomes for Hospital Patient Care Workers. <i>Journal of Occupational and Environmental Medicine</i> , 2011, 53, 899-910.	1.7	62
28	Thumb motor performance varies with thumb and wrist posture during single-handed mobile phone use. <i>Journal of Biomechanics</i> , 2012, 45, 2349-2354.	2.1	62
29	Estimating 3D L5/S1 moments and ground reaction forces during trunk bending using a full-body ambulatory inertial motion capture system. <i>Journal of Biomechanics</i> , 2016, 49, 904-912.	2.1	62
30	Non-linear viscoelastic models predict fingertip pulp force-displacement characteristics during voluntary tapping. <i>Journal of Biomechanics</i> , 2003, 36, 497-503.	2.1	58
31	Changes in upper extremity biomechanics across different mouse positions in a computer workstation. <i>Ergonomics</i> , 2006, 49, 1456-1469.	2.1	58
32	Evidence-based guidelines for the wise use of computers by children: Physical development guidelines. <i>Ergonomics</i> , 2010, 53, 458-477.	2.1	58
33	A database of human gait performance on irregular and uneven surfaces collected by wearable sensors. <i>Scientific Data</i> , 2020, 7, 219.	5.3	58
34	Knee Pain and Driving Duration: A Secondary Analysis of the Taxi Drivers' Health Study. <i>American Journal of Public Health</i> , 2004, 94, 575-581.	2.7	56
35	Notebook computer use on a desk, lap and lap support: Effects on posture, performance and comfort. <i>Ergonomics</i> , 2010, 53, 74-82.	2.1	52
36	Bicycle Guidelines and Crash Rates on Cycle Tracks in the United States. <i>American Journal of Public Health</i> , 2013, 103, 1240-1248.	2.7	52

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37	Relationship of Sleep Deficiency to Perceived Pain and Functional Limitations in Hospital Patient Care Workers. <i>Journal of Occupational and Environmental Medicine</i> , 2012, 54, 851-858.	1.7	51
38	Ergonomic practices within patient care units are associated with musculoskeletal pain and limitations. <i>American Journal of Industrial Medicine</i> , 2012, 55, 107-116.	2.1	51
39	Validity of self-reported mechanical demands for occupational epidemiologic research of musculoskeletal disorders. <i>Scandinavian Journal of Work, Environment and Health</i> , 2009, 35, 245-260.	3.4	51
40	The effect of a multi-axis suspension on whole body vibration exposures and physical stress in the neck and low back in agricultural tractor applications. <i>Applied Ergonomics</i> , 2018, 68, 80-89.	3.1	50
41	Upper extremity biomechanics in computer tasks differ by gender. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, 428-436.	1.7	49
42	A novel method for assessing the 3-D orientation accuracy of inertial/magnetic sensors. <i>Journal of Biomechanics</i> , 2013, 46, 2745-2751.	2.1	49
43	In vivo finger flexor tendon force while tapping on a keyswitch. <i>Journal of Orthopaedic Research</i> , 1999, 17, 178-184.	2.3	48
44	Association between work-family conflict and musculoskeletal pain among hospital patient care workers. <i>American Journal of Industrial Medicine</i> , 2013, 56, 488-495.	2.1	48
45	Thumb Motor Performance Varies by Movement Orientation, Direction, and Device Size During Single-Handed Mobile Phone Use. <i>Human Factors</i> , 2012, 54, 52-59.	3.5	46
46	Finger joint coordination during tapping. <i>Journal of Biomechanics</i> , 2006, 39, 2934-2942.	2.1	45
47	Control strategies for finger movement during touch-typing The role of the extrinsic muscles during a keystroke. <i>Experimental Brain Research</i> , 1998, 121, 1-6.	1.5	44
48	Changes in posture through the use of simple inclines with notebook computers placed on a standard desk. <i>Applied Ergonomics</i> , 2012, 43, 400-407.	3.1	44
49	The effects of workplace stressors on muscle activity in the neck-shoulder and forearm muscles during computer work: a systematic review and meta-analysis. <i>European Journal of Applied Physiology</i> , 2013, 113, 2897-2912.	2.5	42
50	Development and validation of a fatigue assessment scale for U.S. construction workers. <i>American Journal of Industrial Medicine</i> , 2015, 58, 220-228.	2.1	42
51	Using "Exposure Prediction Rules" for Exposure Assessment. <i>Epidemiology</i> , 2004, 15, 293-299.	2.7	40
52	Expertise, credibility of system forecasts and integration methods in judgmental demand forecasting. <i>International Journal of Forecasting</i> , 2017, 33, 298-313.	6.5	40
53	Effects of keyswitch design and finger posture on finger joint kinematics and dynamics during tapping on computer keyswitches. <i>Clinical Biomechanics</i> , 2004, 19, 600-608.	1.2	39
54	Observed differences in upper extremity forces, muscle efforts, postures, velocities and accelerations across computer activities in a field study of office workers. <i>Ergonomics</i> , 2012, 55, 670-681.	2.1	39

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55	Psychosocial Stress and Multi-Site Musculoskeletal Pain. <i>Workplace Health and Safety</i> , 2013, 61, 117-125.	1.4	37
56	Assessment of Whole-Body Vibration Exposure in Mining Earth-moving Equipment and Other Vehicles Used in Surface Mining. <i>Annals of Work Exposures and Health</i> , 2017, 61, 669-680.	1.4	37
57	Occupational injuries among Boston bicycle messengers. <i>American Journal of Industrial Medicine</i> , 2002, 42, 519-525.	2.1	36
58	Computer keyswitch force displacement characteristics affect muscle activity patterns during index finger tapping. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, 810-820.	1.7	36
59	Finger Flexor Tendon Forces Are a Complex Function of Finger Joint Motions and Fingertip Forces. <i>Journal of Hand Therapy</i> , 2005, 18, 120-127.	1.5	35
60	Outcomes of safe patient handling and mobilization programs: A meta-analysis. <i>Work</i> , 2017, 58, 173-184.	1.1	35
61	Evaluation of commercially available seat suspensions to reduce whole body vibration exposures in mining heavy equipment vehicle operators. <i>Applied Ergonomics</i> , 2018, 71, 78-86.	3.1	35
62	The Current State of Surgical Ergonomics Education in U.S. Surgical Training. <i>Annals of Surgery</i> , 2019, 269, 778-784.	4.2	35
63	Whole Body Vibration Exposures and Health Status among Professional Truck Drivers: A Cross-sectional Analysis. <i>Annals of Occupational Hygiene</i> , 2016, 60, 936-948.	1.9	34
64	Skin temperature in the dorsal hand of office workers and severity of upper extremity musculoskeletal disorders. <i>International Archives of Occupational and Environmental Health</i> , 2009, 82, 1281-1292.	2.3	33
65	Physical Activity Levels at Work and Outside of Work Among Commercial Construction Workers. <i>Journal of Occupational and Environmental Medicine</i> , 2015, 57, 73-78.	1.7	33
66	Alternative Computer Mouse Design and Testing to Reduce Finger Extensor Muscle Activity During Mouse Use. <i>Human Factors</i> , 2007, 49, 573-584.	3.5	32
67	The contribution of the wrist, elbow and shoulder joints to single-finger tapping. <i>Journal of Biomechanics</i> , 2007, 40, 3013-3022.	2.1	32
68	Determining safety inspection thresholds for employee incentives programs on construction sites. <i>Safety Science</i> , 2013, 51, 77-84.	4.9	32
69	Evaluating biomechanics of user-selected sitting and standing computer workstation. <i>Applied Ergonomics</i> , 2017, 65, 382-388.	3.1	32
70	Gait adaptations of older adults on an uneven brick surface can be predicted by age-related physiological changes in strength. <i>Gait and Posture</i> , 2018, 61, 257-262.	1.4	32
71	Finger joint impedance during tapping on a computer keyswitch. <i>Journal of Biomechanics</i> , 2004, 37, 1589-1596.	2.1	31
72	Observed finger behaviour during computer mouse use. <i>Applied Ergonomics</i> , 2008, 39, 107-113.	3.1	31

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73	Two-handed grip on a mobile phone affords greater thumb motor performance, decreased variability, and a more extended thumb posture than a one-handed grip. <i>Applied Ergonomics</i> , 2016, 52, 24-28.	3.1	31
74	A training intervention to improve frontline construction leaders' safety leadership practices and overall jobsite safety climate. <i>Journal of Safety Research</i> , 2019, 70, 253-262.	3.6	31
75	Implementing an Integrated Health Protection/Health Promotion Intervention in the Hospital Setting. <i>Journal of Occupational and Environmental Medicine</i> , 2016, 58, 185-194.	1.7	30
76	Effect of horizontal position of the computer keyboard on upper extremity posture and muscular load during computer work. <i>Ergonomics</i> , 2007, 50, 1419-1432.	2.1	29
77	Results of a Pilot Intervention to Improve Health and Safety for Health Care Workers. <i>Journal of Occupational and Environmental Medicine</i> , 2013, 55, 1449-1455.	1.7	29
78	Tablet Keyboard Configuration Affects Performance, Discomfort and Task Difficulty for Thumb Typing in a Two-Handed Grip. <i>PLoS ONE</i> , 2013, 8, e67525.	2.5	29
79	The state of ergonomics for mobile computing technology. <i>Work</i> , 2015, 52, 269-277.	1.1	29
80	Age-related differences in inter-joint coordination during stair walking transitions. <i>Gait and Posture</i> , 2015, 42, 152-157.	1.4	29
81	Improving Working Conditions to Promote Worker Safety, Health, and Wellbeing for Low-Wage Workers: The Workplace Organizational Health Study. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1449.	2.6	29
82	A Cluster Randomized Controlled Trial of a Total Worker Health® Intervention on Commercial Construction Sites. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2354.	2.6	28
83	Perceived Workplace Health and Safety Climates: Associations With Worker Outcomes and Productivity. <i>American Journal of Preventive Medicine</i> , 2019, 57, 487-494.	3.0	28
84	Psychosocial Stress and Multi-site Musculoskeletal Pain: A Cross-sectional Survey of Patient Care Workers. <i>Workplace Health and Safety</i> , 2013, 61, 117-125.	1.4	28
85	University students's™ notebook computer use. <i>Applied Ergonomics</i> , 2009, 40, 404-409.	3.1	27
86	Occupational Injuries for Consecutive and Cumulative Shifts Among Hospital Registered Nurses and Patient Care Associates: A Case-Control Study. <i>Workplace Health and Safety</i> , 2012, 60, 437-444.	1.4	27
87	Lifting and exertion injuries decrease after implementation of an integrated hospital-wide safe patient handling and mobilisation programme. <i>Occupational and Environmental Medicine</i> , 2017, 74, 336-343.	2.8	27
88	Musculoskeletal Pain and Psychological Distress in Hospital Patient Care Workers. <i>Journal of Occupational Rehabilitation</i> , 2012, 22, 503-510.	2.2	26
89	Impact of Organizational Policies and Practices on Workplace Injuries in a Hospital Setting. <i>Journal of Occupational and Environmental Medicine</i> , 2014, 56, 802-808.	1.7	26
90	Evaluating the effect of four different pointing device designs on upper extremity posture and muscle activity during mousing tasks. <i>Applied Ergonomics</i> , 2015, 47, 259-264.	3.1	26

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91	A force plate based method for the calibration of force/torque sensors. <i>Journal of Biomechanics</i> , 2012, 45, 1332-1338.	2.1	25
92	Continuous ambulatory hand force monitoring during manual materials handling using instrumented force shoes and an inertial motion capture suit. <i>Journal of Biomechanics</i> , 2018, 70, 235-241.	2.1	25
93	Correlation between safety climate and contractor safety assessment programs in construction. <i>American Journal of Industrial Medicine</i> , 2013, 56, 1463-1472.	2.1	24
94	Mental Health Stigma and Wellbeing Among Commercial Construction Workers. <i>Journal of Occupational and Environmental Medicine</i> , 2020, 62, e423-e430.	1.7	24
95	Smaller external notebook mice have different effects on posture and muscle activity. <i>Clinical Biomechanics</i> , 2008, 23, 727-734.	1.2	23
96	The Validity and Interrater Reliability of Video-Based Posture Observation During Asymmetric Lifting Tasks. <i>Human Factors</i> , 2011, 53, 371-382.	3.5	23
97	Electromyographic activity of the human extensor carpi ulnaris muscle changes with exposure to repetitive ulnar deviation. <i>European Journal of Applied Physiology</i> , 2002, 88, 5-12.	2.5	22
98	Providing Training Enhances the Biomechanical Improvements of an Alternative Computer Mouse Design. <i>Human Factors</i> , 2009, 51, 46-55.	3.5	22
99	The effect of overcommitment and reward on trapezius muscle activity and shoulder, head, neck, and torso postures during computer use in the field. <i>American Journal of Industrial Medicine</i> , 2013, 56, 1190-1200.	2.1	22
100	Office workers' computer use patterns are associated with workplace stressors. <i>Applied Ergonomics</i> , 2014, 45, 1660-1667.	3.1	21
101	Effects of forearm and palm supports on the upper extremity during computer mouse use. <i>Applied Ergonomics</i> , 2014, 45, 564-570.	3.1	21
102	The effect of overcommitment and reward on muscle activity, posture, and forces in the arm-wrist-hand region – a field study among computer workers. <i>Scandinavian Journal of Work, Environment and Health</i> , 2013, 39, 379-389.	3.4	21
103	A Wide Range of Activity Duration Cutoffs Provided Unbiased Estimates of Exposure to Computer Use. <i>Journal of Occupational and Environmental Hygiene</i> , 2008, 5, 790-796.	1.0	20
104	Office workers with high effort-reward imbalance and overcommitment have greater decreases in heart rate variability over a 2-h working period. <i>International Archives of Occupational and Environmental Health</i> , 2015, 88, 565-575.	2.3	20
105	Physical Activity at Work Contributes Little to Patient Care Workers' Weekly Totals. <i>Journal of Occupational and Environmental Medicine</i> , 2013, 55, S63-S68.	1.7	19
106	Improving safety climate through a communication and recognition program for construction: a mixed methods study. <i>Scandinavian Journal of Work, Environment and Health</i> , 2016, 42, 329-337.	3.4	19
107	A low profile human tendon force transducer: The influence of tendon thickness on calibration. <i>Journal of Biomechanics</i> , 1997, 30, 395-397.	2.1	18
108	Lifting style and participant's sex do not affect optimal inertial sensor location for ambulatory assessment of trunk inclination. <i>Journal of Biomechanics</i> , 2013, 46, 1027-1030.	2.1	18

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109	Index finger and thumb kinematics and performance measurements for common touchscreen gestures. <i>Applied Ergonomics</i> , 2017, 58, 176-181.	3.1	18
110	Designing a Participatory Total Worker Health [®] Organizational Intervention for Commercial Construction Subcontractors to Improve Worker Safety, Health, and Well-Being: The "ARM for Subs" Trial. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5093.	2.6	18
111	Association between perceived inadequate staffing and musculoskeletal pain among hospital patient care workers. <i>International Archives of Occupational and Environmental Health</i> , 2014, 87, 323-330.	2.3	17
112	Aging may negatively impact movement smoothness during stair negotiation. <i>Human Movement Science</i> , 2018, 60, 78-86.	1.4	17
113	A Randomized Controlled Trial of a Truck Seat Intervention: Part 1 "Assessment of Whole Body Vibration Exposures. <i>Annals of Work Exposures and Health</i> , 2018, 62, 990-999.	1.4	17
114	Worker assessments of organizational practices and psychosocial work environment are associated with musculoskeletal injuries in hospital patient care workers. <i>American Journal of Industrial Medicine</i> , 2014, 57, 810-818.	2.1	16
115	Tablet form factors and swipe gesture designs affect thumb biomechanics and performance during two-handed use. <i>Applied Ergonomics</i> , 2018, 69, 40-46.	3.1	16
116	The effect of load weight on balance control during lateral box transfers. <i>Ergonomics</i> , 2010, 53, 1359-1367.	2.1	15
117	Classifying Safety Events Related to Diagnostic Imaging From a Safety Reporting System Using a Human Factors Framework. <i>Journal of the American College of Radiology</i> , 2019, 16, 282-288.	1.8	15
118	A multi-method study evaluating computing-related risk factors among college students. <i>Work</i> , 2007, 28, 287-97.	1.1	15
119	Typing keystroke duration changed after submaximal isometric finger exercises. <i>European Journal of Applied Physiology</i> , 2009, 105, 93-101.	2.5	14
120	Repetitive Stress Symptoms Among Radiology Technologists: Prevalence and Major Causative Factors. <i>Journal of the American College of Radiology</i> , 2010, 7, 956-960.	1.8	14
121	Biomechanical loading on the upper extremity increases from single key tapping to directional tapping. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 587-594.	1.7	14
122	Wrist posture affects hand and forearm muscle stress during tapping. <i>Applied Ergonomics</i> , 2013, 44, 969-976.	3.1	14
123	Using electrical stimulation to measure physiological changes in the human extensor carpi ulnaris muscle after prolonged low-level repetitive ulnar deviation. <i>Applied Ergonomics</i> , 2013, 44, 35-41.	3.1	14
124	Knee muscle co-contractions are greater in old compared to young adults during walking and stair use. <i>Gait and Posture</i> , 2019, 73, 315-322.	1.4	14
125	Finger Muscle Attachments for an OpenSim Upper-Extremity Model. <i>PLoS ONE</i> , 2015, 10, e0121712.	2.5	14
126	Computer Use Patterns Associated with Upper Extremity Musculoskeletal Symptoms. <i>Journal of Occupational Rehabilitation</i> , 2008, 18, 166-174.	2.2	13

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127	Construction workers working in musculoskeletal pain and engaging in leisure-time physical activity: Findings from a mixed-methods pilot study. <i>American Journal of Industrial Medicine</i> , 2014, 57, 819-825.	2.1	13
128	Concussion History and Cognitive Function in a Large Cohort of Adolescent Athletes. <i>American Journal of Sports Medicine</i> , 2018, 46, 3262-3270.	4.2	13
129	A Randomized Controlled Trial of a Truck Seat Intervention: Part 2—Associations Between Whole-Body Vibration Exposures and Health Outcomes. <i>Annals of Work Exposures and Health</i> , 2018, 62, 1000-1011.	1.4	13
130	Working Conditions Influencing Drivers' Safety and Well-Being in the Transportation Industry: An On-Board Program. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10173.	2.6	13
131	Portable ladder assessment tool development and validation — Quantifying best practices in the field. <i>Safety Science</i> , 2009, 47, 636-639.	4.9	12
132	Balance control during lateral load transfers over a slippery surface. <i>Ergonomics</i> , 2011, 54, 1060-1071.	2.1	12
133	Extrinsic and Intrinsic Index Finger Muscle Attachments in an OpenSim Upper-Extremity Model. <i>Annals of Biomedical Engineering</i> , 2015, 43, 937-948.	2.5	12
134	Associations between trunk flexion and physical activity of patient care workers for a single shift: A pilot study. <i>Work</i> , 2017, 56, 247-255.	1.1	12
135	Nurses' but not supervisors' safety practices are linked with job satisfaction. <i>Journal of Nursing Management</i> , 2017, 25, 491-497.	3.4	12
136	Evaluating whole-body vibration reduction by comparison of active and passive suspension seats in semi-trucks. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2011, 55, 1750-1754.	0.3	11
137	Development of a Safety Communication and Recognition Program for Construction. <i>New Solutions</i> , 2015, 25, 42-58.	1.2	11
138	A Psychophysical Protocol to Develop Ergonomic Recommendations for Sitting and Standing Workstations. <i>Human Factors</i> , 2016, 58, 574-585.	3.5	11
139	Testing the associations between leading and lagging indicators in a contractor safety pre-qualification database. <i>American Journal of Industrial Medicine</i> , 2019, 62, 317-324.	2.1	11
140	The Gap Between Tools and Best Practice: An Analysis of Safety Prequalification Surveys in the Construction Industry. <i>New Solutions</i> , 2019, 28, 683-703.	1.2	11
141	Daily self-reports resulted in information bias when assessing exposure duration to computer use. <i>American Journal of Industrial Medicine</i> , 2010, 53, 1142-1149.	2.1	10
142	Estimating in vivo passive forces of the index finger muscles: Exploring model parameters. <i>Journal of Biomechanics</i> , 2010, 43, 1358-1363.	2.1	10
143	Estimating dynamic external hand forces during manual materials handling based on ground reaction forces and body segment accelerations. <i>Journal of Biomechanics</i> , 2013, 46, 2736-2740.	2.1	10
144	Whole-body vibration and back pain-related work absence among heavy equipment vehicle mining operators. <i>Occupational and Environmental Medicine</i> , 2019, 76, 554-559.	2.8	10

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145	Comparing polynomial and cubic spline interpolation of segment angles for estimating L5/S1 net moment during symmetric lifting tasks. <i>Journal of Biomechanics</i> , 2010, 43, 583-586.	2.1	9
146	Interpolation of segment Euler angles can provide a robust estimation of segment angular trajectories during asymmetric lifting tasks. <i>Journal of Biomechanics</i> , 2010, 43, 2043-2048.	2.1	9
147	Does elevating and tilting the input device support surface affect typing force and postural exposures of the wrist?. <i>Work</i> , 2011, 39, 187-193.	1.1	9
148	Prediction of trapezius muscle activity and shoulder, head, neck, and torso postures during computer use: results of a field study. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 292.	1.9	9
149	Length of time spent working on a commercial construction site and the associations with worker characteristics. <i>American Journal of Industrial Medicine</i> , 2015, 58, 964-973.	2.1	9
150	Associations Between Work-Related Factors and Psychological Distress Among Construction Workers. <i>Journal of Occupational and Environmental Medicine</i> , 2021, 63, 1052-1057.	1.7	9
151	Comparison of three psychophysical techniques to establish maximum acceptable torques of repetitive ulnar deviation. <i>Theoretical Issues in Ergonomics Science</i> , 2002, 3, 274-284.	1.8	8
152	A Single Video Camera Postural Assessment System to Measure Rotation of the Shoulder During Computer Use. <i>Journal of Applied Biomechanics</i> , 2012, 28, 343-348.	0.8	8
153	Examination of computer task exposures in radiologists: a work systems approach. <i>Work</i> , 2012, 41, 1818-1820.	1.1	8
154	Predicting Forearm Physical Exposures During Computer Work Using Self-Reports, Software-Recorded Computer Usage Patterns, and Anthropometric and Workstation Measurements. <i>Annals of Work Exposures and Health</i> , 2018, 62, 124-137.	1.4	8
155	Late-cueing of gait tasks on an uneven brick surface impacts coordination and center of mass control in older adults. <i>Gait and Posture</i> , 2018, 65, 143-148.	1.4	8
156	Cohort profile: The Boston Hospital Workers Health Study (BHWHS). <i>International Journal of Epidemiology</i> , 2018, 47, 1739-1740g.	1.9	8
157	Assessing information sources to elucidate diagnostic process errors in radiologic imaging â€” a human factors framework. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018, 25, 1507-1515.	4.4	8
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