

Maury A. Nussbaum

List of Publications by Year in descending order

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Version: 2024-02-01

304
papers

7,528
citations

53794

45
h-index

88630

70
g-index

326
all docs

326
docs citations

326
times ranked

5225
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of using a whole-body powered exoskeleton during simulated occupational load-handling tasks: A pilot study. <i>Applied Ergonomics</i> , 2022, 98, 103589.	3.1	10
2	Effects of back-support exoskeleton use on gait performance and stability during level walking. <i>Gait and Posture</i> , 2022, 92, 181-190.	1.4	16
3	Usability, User Acceptance, and Health Outcomes of Arm-Support Exoskeleton Use in Automotive Assembly. <i>Journal of Occupational and Environmental Medicine</i> , 2022, 64, 202-211.	1.7	14
4	Exploratory field testing of passive exoskeletons in several manufacturing environments: perceived usability and user acceptance.. <i>IIEE Transactions on Occupational Ergonomics and Human Factors</i> , 2022, , 1-16.	0.8	0
5	Effects of Back-Support Exoskeleton Use on Lower Limb Joint Kinematics and Kinetics During Level Walking. <i>Annals of Biomedical Engineering</i> , 2022, 50, 964-977.	2.5	4
6	Exploratory Field Testing of Passive Exoskeletons in Several Manufacturing Environments: Perceived Usability and User Acceptance. <i>IIEE Transactions on Occupational Ergonomics and Human Factors</i> , 2022, 10, 71-82.	0.8	15
7	Understanding the experiences of self-injurious behavior in autism spectrum disorder: Implications for monitoring technology design. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021, 28, 303-310.	4.4	8
8	Human Gait During Level Walking With an Occupational Whole-Body Powered Exoskeleton: Not Yet a Walk in the Park. <i>IEEE Access</i> , 2021, 9, 47901-47911.	4.2	12
9	Adoption potential of occupational exoskeletons in diverse enterprises engaged in manufacturing tasks. <i>International Journal of Industrial Ergonomics</i> , 2021, 82, 103103.	2.6	29
10	Trunk-pelvic coordination during unstable sitting with varying task demand: A methodological study. <i>Journal of Biomechanics</i> , 2021, 118, 110299.	2.1	5
11	Effects of two passive back-support exoskeletons on postural balance during quiet stance and functional limits of stability. <i>Journal of Electromyography and Kinesiology</i> , 2021, 57, 102516.	1.7	9
12	Classifying diverse manual material handling tasks using a single wearable sensor. <i>Applied Ergonomics</i> , 2021, 93, 103386.	3.1	7
13	Effects of back-support exoskeleton use on trunk neuromuscular control during repetitive lifting: A dynamical systems analysis. <i>Journal of Biomechanics</i> , 2021, 123, 110501.	2.1	6
14	An exploratory study comparing three work/rest schedules during simulated repetitive precision work. <i>Ergonomics</i> , 2021, 64, 1579-1594.	2.1	1
15	Effects of an arm-support exoskeleton on perceived work intensity and musculoskeletal discomfort: An 18-month field study in automotive assembly. <i>American Journal of Industrial Medicine</i> , 2021, 64, 905-914.	2.1	29
16	Usability and user acceptance of an arm-support exoskeleton in automotive assembly: Results of a long-term field evaluation. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2021, 65, 413-414.	0.3	2
17	Effects of Arm-Support Exoskeletons on Kinematics and Subjective Assessments During a Static Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2021, 65, 421-422.	0.3	1
18	A Framework for Virtual Reality-Based Motor Skills Training for the Use of Exoskeletons. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2021, 65, 277-278.	0.3	0

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19	Supporting Surgical Teams: Identifying Needs and Barriers for Exoskeleton Implementation in the Operating Room. <i>Human Factors</i> , 2020, 62, 377-390.	3.5	42
20	Relative Effort while Walking Is Higher among Women Who Are Obese, and Older Women. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 105-111.	0.4	4
21	Assessing the potential for "undesired" effects of passive back-support exoskeleton use during a simulated manual assembly task: Muscle activity, posture, balance, discomfort, and usability. <i>Applied Ergonomics</i> , 2020, 89, 103194.	3.1	49
22	A head-worn display ("smart glasses") has adverse impacts on the dynamics of lateral position control during gait. <i>Gait and Posture</i> , 2020, 81, 126-130.	1.4	9
23	Impacts of different fabric scissor designs on physical demands and performance in simulated fabric cutting tasks. <i>Applied Ergonomics</i> , 2020, 89, 103219.	3.1	4
24	Trunk Flexion Monitoring among Warehouse Workers Using a Single Inertial Sensor and the Influence of Different Sampling Durations. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7117.	2.6	8
25	Multi-level modeling with nonlinear movement metrics to classify self-injurious behaviors in autism spectrum disorder. <i>Scientific Reports</i> , 2020, 10, 16699.	3.3	0
26	Editorial. <i>IIE Transactions on Occupational Ergonomics and Human Factors</i> , 2020, 8, 61-62.	0.8	0
27	Biomechanical assessment of two back-support exoskeletons in symmetric and asymmetric repetitive lifting with moderate postural demands. <i>Applied Ergonomics</i> , 2020, 88, 103156.	3.1	66
28	Perturbation-based balance training targeting both slip- and trip-induced falls among older adults: a randomized controlled trial. <i>BMC Geriatrics</i> , 2020, 20, 205.	2.7	25
29	Biomechanical Evaluation of Passive Back-Support Exoskeletons in a Precision Manual Assembly Task: "Expected" Effects on Trunk Muscle Activity, Perceived Exertion, and Task Performance. <i>Human Factors</i> , 2020, 62, 441-457.	3.5	62
30	Detecting and Classifying Self-injurious Behavior in Autism Spectrum Disorder Using Machine Learning Techniques. <i>Journal of Autism and Developmental Disorders</i> , 2020, 50, 4039-4052.	2.7	31
31	Modelling performance during repetitive precision tasks using wearable sensors: a data-driven approach. <i>Ergonomics</i> , 2020, 63, 831-849.	2.1	10
32	Effects of Two Passive Back-Support Exoskeletons on Muscle Activity, Energy Expenditure, and Subjective Assessments During Repetitive Lifting. <i>Human Factors</i> , 2020, 62, 458-474.	3.5	80
33	Effects of Passive Back-Support Exoskeleton Designs on Trunk Muscle Activity and Energy Expenditure during Repetitive Lifting. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2020, 64, 886-887.	0.3	1
34	Benefits and Barriers to Passive Occupational Exoskeleton Adoption in Manufacturing Companies. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2020, 64, 885-885.	0.3	1
35	Effects of Back-Support Exoskeleton Use on Gait Performance. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2020, 64, 894-895.	0.3	0
36	Use Of Linear-Polarization Doppler Radar System to Detect Falls: Results From a Simulated Living Environment. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2020, 64, 11-12.	0.3	1

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37	Two Novel Slip Training Methods Improve the Likelihood of Recovering Balance After a Laboratory-Induced Slip. <i>Journal of Applied Biomechanics</i> , 2019, 35, 37-43.	0.8	8
38	Influences of different exoskeleton designs and tool mass on physical demands and performance in a simulated overhead drilling task. <i>Applied Ergonomics</i> , 2019, 74, 55-66.	3.1	94
39	Exploration of different classes of metrics to characterize motor variability during repetitive symmetric and asymmetric lifting tasks. <i>Scientific Reports</i> , 2019, 9, 9821.	3.3	8
40	Classifying Diverse Physical Activities Using "Smart Garments" Sensors, 2019, 19, 3133.	3.8	22
41	Using smart garments to differentiate among normal and simulated abnormal gaits. <i>Journal of Biomechanics</i> , 2019, 93, 70-76.	2.1	14
42	Chronic low back pain influences trunk neuromuscular control during unstable sitting among persons with lower-limb loss. <i>Gait and Posture</i> , 2019, 74, 236-241.	1.4	8
43	Comparison of Treadmill Trip-Like Training Versus Tai Chi to Improve Reactive Balance Among Independent Older Adult Residents of Senior Housing: A Pilot Controlled Trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 1497-1503.	3.6	35
44	Age-related strength loss affects non-stepping balance recovery. <i>PLoS ONE</i> , 2019, 14, e0210049.	2.5	4
45	Effects of exoskeleton design and precision requirements on physical demands and quality in a simulated overhead drilling task. <i>Applied Ergonomics</i> , 2019, 80, 136-145.	3.1	48
46	Effect of Intersection Lighting Design on Drivers' Perceived Visibility and Glare. <i>Transportation Research Record</i> , 2019, 2673, 799-810.	1.9	3
47	Using a smart textile system for classifying occupational manual material handling tasks: evidence from lab-based simulations. <i>Ergonomics</i> , 2019, 62, 823-833.	2.1	19
48	A Follow-Up Study of the Effects of An Arm Support Exoskeleton on Physical Demands and Task Performance During Simulated Overhead Work. <i>IIE Transactions on Occupational Ergonomics and Human Factors</i> , 2019, 7, 163-174.	0.8	35
49	Effects of Passive Upper-Extremity Exoskeleton Use on Motor Performance in a Precision Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019, 63, 1084-1085.	0.3	4
50	Effects of Mental and Physical Fatigue Inducing Tasks on Balance and Gait Characteristics. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019, 63, 1103-1104.	0.3	1
51	Effects of Back Support Exoskeleton Use on Postural Stability. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019, 63, 1088-1089.	0.3	0
52	Effects of Using a Prototype Whole-Body Powered Exoskeleton for Performing Industrial Tasks. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019, 63, 1086-1087.	0.3	3
53	An Introduction to the Special Issue on Occupational Exoskeletons. <i>IIE Transactions on Occupational Ergonomics and Human Factors</i> , 2019, 7, 153-162.	0.8	60
54	Identifying Barriers and Facilitators of Exoskeleton Implementation In The Operating Room. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019, 63, 1113-1113.	0.3	3

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55	Assessment of Two Passive Back-Support Exoskeletons in a Simulated Precision Manual Assembly Task. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1078-1079.	0.3	5
56	Potential of Exoskeleton Technologies to Enhance Safety, Health, and Performance in Construction: Industry Perspectives and Future Research Directions. IISE Transactions on Occupational Ergonomics and Human Factors, 2019, 7, 185-191.	0.8	94
57	Influences of augmented reality head-worn display type and user interface design on performance and usability in simulated warehouse order picking. Applied Ergonomics, 2019, 74, 186-193.	3.1	86
58	A Reactive Balance Rating Method That Correlates With Kinematics After Trip-like Perturbations on a Treadmill and Fall Risk Among Residents of Older Adult Congregate Housing. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 1222-1228.	3.6	10
59	Ambulatory Clinic Exam Room Design with respect to Computing Devices: A Laboratory Simulation Study. IISE Transactions on Occupational Ergonomics and Human Factors, 2018, 6, 165-177.	0.8	8
60	Feet kinematics upon slipping discriminate between recoveries and three types of slip-induced falls. Ergonomics, 2018, 61, 866-876.	2.1	15
61	Assessing the influence of a passive, upper extremity exoskeletal vest for tasks requiring arm elevation: Part II "Unexpected" effects on shoulder motion, balance, and spine loading. Applied Ergonomics, 2018, 70, 323-330.	3.1	137
62	Assessing the influence of a passive, upper extremity exoskeletal vest for tasks requiring arm elevation: Part I "Expected" effects on discomfort, shoulder muscle activity, and work task performance. Applied Ergonomics, 2018, 70, 315-322.	3.1	167
63	Impacts of using a head-worn display on gait performance during level walking and obstacle crossing. Journal of Electromyography and Kinesiology, 2018, 39, 142-148.	1.7	9
64	Effects of Intersection Lighting Design on Nighttime Visual Performance of Drivers. LEUKOS - Journal of Illuminating Engineering Society of North America, 2018, 14, 25-43.	2.9	10
65	Exploring Associations Between Postural Balance and Levels of Urinary Organophosphorus Pesticide Metabolites. Journal of Occupational and Environmental Medicine, 2018, 60, 174-179.	1.7	4
66	Robust Sparse Representation-Based Classification Using Online Sensor Data for Monitoring Manual Material Handling Tasks. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1573-1584.	5.2	8
67	Detection of Occupational Physical Activities using a Smart Textile System. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 800-801.	0.3	2
68	Field Investigation of Ambulatory Clinic Exam Room Design with respect to Computing Devices: A Pilot Study. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 518-522.	0.3	1
69	Exploring Challenges of Monitoring Technology and Self-Injurious Behavior in Autism Spectrum Disorder. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 620-621.	0.3	1
70	Associations between trunk postural control in walking and unstable sitting at various levels of task demand. Journal of Biomechanics, 2018, 75, 181-185.	2.1	8
71	Information presentation through a head-worn display ("smart glasses") has a smaller influence on the temporal structure of gait variability during dual-task gait compared to handheld displays (paper-based system and smartphone). PLoS ONE, 2018, 13, e0195106.	2.5	15
72	A "Smart" Undershirt for Tracking Upper Body Motions: Task Classification and Angle Estimation. IEEE Sensors Journal, 2018, 18, 7650-7658.	4.7	37

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73	Influences of continuous sitting and psychosocial stress on low back kinematics, kinetics, discomfort, and localized muscle fatigue during unsupported sitting activities. <i>Ergonomics</i> , 2018, 61, 1671-1684.	2.1	27
74	Preferred Placement and Usability of a Smart Textile System vs. Inertial Measurement Units for Activity Monitoring. <i>Sensors</i> , 2018, 18, 2501.	3.8	37
75	Relative Strength at the Hip, Knee, and Ankle Is Lower Among Younger and Older Females Who Are Obese. <i>Journal of Geriatric Physical Therapy</i> , 2017, 40, 143-149.	1.1	16
76	Simulation Modeling and Ergonomic Assessment of Complex Multiworker Physical Processes. <i>IEEE Transactions on Human-Machine Systems</i> , 2017, 47, 777-788.	3.5	12
77	Required friction during overground walking is lower among obese compared to non-obese older men, but does not differ with obesity among women. <i>Applied Ergonomics</i> , 2017, 62, 77-82.	3.1	4
78	Stiffness and proprioceptive contributions of ankle braces and the influence of localized muscle fatigue. <i>Journal of Electromyography and Kinesiology</i> , 2017, 34, 37-43.	1.7	7
79	Predicted endurance times during overhead work: influences of duty cycle and tool mass estimated using perceived discomfort. <i>Ergonomics</i> , 2017, 60, 1405-1414.	2.1	11
80	Quantifying the history dependency of muscle recovery from a fatiguing intermittent task. <i>Journal of Biomechanics</i> , 2017, 51, 26-31.	2.1	8
81	A Cost-Effective Method for Repeated Slip Training Increases Recovery Rate Following Laboratory-Induced Slips. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 685.	0.4	1
82	Evaluating the Usability of Alternative Shoulder Stabilization Methods. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2017, 61, 609-609.	0.3	0
83	Industrial Exoskeletons: Are We Ready for Prime Time Yet?. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2017, 61, 1000-1004.	0.3	10
84	Temporal changes in motor variability during prolonged lifting/lowering and the influence of work experience. <i>Journal of Electromyography and Kinesiology</i> , 2017, 37, 61-67.	1.7	15
85	Impact of task design on task performance and injury risk: case study of a simulated drilling task. <i>Ergonomics</i> , 2017, 60, 851-866.	2.1	18
86	The effects of a simple intervention on exposures to low back pain risk factors during traditional posterior load carriage. <i>Applied Ergonomics</i> , 2017, 59, 313-319.	3.1	5
87	Occupational Safety and Health Concerns in Logging: A Cross-Sectional Assessment in Virginia. <i>Forests</i> , 2017, 8, 440.	2.1	8
88	History Dependency of Muscle Strength Recovery from a Fatiguing Intermittent Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2016, 60, 992-992.	0.3	0
89	Impact of Task Design on Productivity and Quality. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2016, 60, 906-907.	0.3	0
90	Alternative measures of toe trajectory more accurately predict the probability of tripping than minimum toe clearance. <i>Journal of Biomechanics</i> , 2016, 49, 4016-4021.	2.1	14

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91	Effect of prolonged sitting on body-seat contact pressures among quay crane operators: A pilot study. <i>Work</i> , 2016, 55, 605-611.	1.1	8
92	Falls resulting from a laboratory-induced slip occur at a higher rate among individuals who are obese. <i>Journal of Biomechanics</i> , 2016, 49, 678-683.	2.1	20
93	Online classification and sensor selection optimization with applications to human material handling tasks using wearable sensing technologies. <i>IEEE Transactions on Human-Machine Systems</i> , 2016, 46, 485-497.	3.5	19
94	Localized Ankle Fatigue Development and Fatigue Perception in Adults With or Without Chronic Ankle Instability. <i>Journal of Athletic Training</i> , 2016, 51, 491-497.	1.8	6
95	Augmented Reality "Smart Glasses" in the Workplace: Industry Perspectives and Challenges for Worker Safety and Health. <i>IIE Transactions on Occupational Ergonomics and Human Factors</i> , 2016, 4, 253-258.	0.4	47
96	Age-related differences in trunk muscle reflexive behaviors. <i>Journal of Biomechanics</i> , 2016, 49, 3147-3152.	2.1	3
97	Decreased high-frequency center-of-pressure complexity in recently concussed asymptomatic athletes. <i>Gait and Posture</i> , 2016, 50, 69-74.	1.4	42
98	Development and evaluation of an EMG-based model to estimate lumbosacral loads during seated work. <i>International Journal of Industrial Ergonomics</i> , 2016, 55, 96-102.	2.6	8
99	A Pilot Study Exploring Obesity-Related Differences in Fall Rate and Kinematic Response Resulting From a Laboratory-Induced Trip. <i>IIE Transactions on Occupational Ergonomics and Human Factors</i> , 2016, 4, 211-221.	0.4	7
100	Workload and Fatigue Among Assembly Operators. A Structural Equation Modeling Approach. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2016, 60, 1520-1523.	0.3	1
101	Locomotor deficits in recently concussed athletes and matched controls during single and dual-task turning gait: preliminary results. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2016, 13, 65.	4.6	51
102	Executive Function and Measures of Fall Risk Among People With Obesity. <i>Perceptual and Motor Skills</i> , 2016, 122, 825-839.	1.3	15
103	Effects of Lifetime Occupational Pesticide Exposure on Postural Control Among Farmworkers and Non-Farmworkers. <i>Journal of Occupational and Environmental Medicine</i> , 2016, 58, 133-139.	1.7	7
104	Age related differences in mechanical demands imposed on the lower back by manual material handling tasks. <i>Journal of Biomechanics</i> , 2016, 49, 896-903.	2.1	43
105	Development of a sliding mode control model for quiet upright stance. <i>Medical Engineering and Physics</i> , 2016, 38, 204-208.	1.7	11
106	Cycle time influences the development of muscle fatigue at low to moderate levels of intermittent muscle contraction. <i>Journal of Electromyography and Kinesiology</i> , 2016, 28, 37-45.	1.7	32
107	Age-related differences in trunk intrinsic stiffness. <i>Journal of Biomechanics</i> , 2016, 49, 926-932.	2.1	18
108	Traditional posterior load carriage: effects of load mass and size on torso kinematics, kinetics, muscle activity and movement stability. <i>Ergonomics</i> , 2016, 59, 99-111.	2.1	12

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109	School-based screening of plantar pressures during level walking with a backpack among overweight and obese schoolchildren. <i>Ergonomics</i> , 2016, 59, 697-703.	2.1	15
110	Differences in Trailing Limb Response Between Falls and Recoveries Following a Laboratory-Induced Slip. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 828-829.	0.4	0
111	Obesity Increases Joint Moments Relative to Available Strength During Gait. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 493.	0.4	1
112	An Exploratory Study of the Diurnal Variation and Reliability of Biomarkers Related to Physiological Damage Experienced in Work-Related Musculoskeletal Disorders. <i>Myopain</i> , 2015, 23, 83-93.	0.0	0
113	Musculoskeletal symptoms associated with posterior load carriage: An assessment of manual material handling workers in Indonesia. <i>Work</i> , 2015, 51, 205-213.	1.1	13
114	A Stimulation Method to Assess the Contractile Status of the Lumbar Extensors in a Seated Posture. <i>Human Factors and Ergonomics in Manufacturing</i> , 2015, 25, 674-684.	2.7	3
115	A review of occupationally-relevant models of localised muscle fatigue. <i>International Journal of Human Factors Modelling and Simulation</i> , 2015, 5, 61.	0.2	31
116	A new method to assess passive and active ankle stiffness during quiet upright stance. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 937-943.	1.7	6
117	Passive lumbar tissue loading during trunk bending at three speeds: An in vivo study. <i>Clinical Biomechanics</i> , 2015, 30, 726-731.	1.2	6
118	An Exploratory Study of the Effects of Occupational Exposure to Physical Demands on Biomarkers of Cartilage and Muscle Damage. <i>Journal of Occupational and Environmental Hygiene</i> , 2015, 12, 138-144.	1.0	5
119	Rotation During Lifting Tasks: Effects of Rotation Frequency and Task Order on Localized Muscle Fatigue and Performance. <i>Journal of Occupational and Environmental Hygiene</i> , 2015, 12, 95-106.	1.0	7
120	Short-term effects of backpack carriage on plantar pressure and gait in schoolchildren. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 406-412.	1.7	54
121	A time-frequency approach to estimate critical time intervals in postural control. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 1693-1703.	1.6	3
122	A bootstrapping method to assess the influence of age, obesity, gender, and gait speed on probability of tripping as a function of obstacle height. <i>Journal of Biomechanics</i> , 2015, 48, 1229-1232.	2.1	20
123	Responsiveness of selected biomarkers of tissue damage to external load and frequency during repetitive lumbar flexion/extension. <i>International Journal of Industrial Ergonomics</i> , 2015, 48, 1-9.	2.6	6
124	Mathematical Models of Localized Muscle Fatigue: Sensitivity Analysis and Assessment of Two Occupationally-Relevant Models. <i>PLoS ONE</i> , 2015, 10, e0143872.	2.5	15
125	Temporal Changes in the Required Shoe-Floor Friction when Walking following an Induced Slip. <i>PLoS ONE</i> , 2014, 9, e96525.	2.5	5
126	Bracing of Wood Composite I-Joists to Resist Lateral Buckling from Walking Loads. <i>Journal of Construction Engineering and Management - ASCE</i> , 2014, 140, 04014037.	3.8	4

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127	The Influences of Obesity and Age on Functional Performance During Intermittent Upper Extremity Tasks. <i>Journal of Occupational and Environmental Hygiene</i> , 2014, 11, 583-590.	1.0	29
128	Evaluation of Two Approaches for Aligning Data Obtained from a Motion Capture System and an In-Shoe Pressure Measurement System. <i>Sensors</i> , 2014, 14, 16994-17007.	3.8	9
129	Trunk Tissue Creep Can Increase Spine Forces During a Subsequent Lifting Task. <i>IIE Transactions on Occupational Ergonomics and Human Factors</i> , 2014, 2, 71-82.	0.4	0
130	Altered flexion-relaxation responses exist during asymmetric trunk flexion movements among persons with unilateral lower-limb amputation. <i>Journal of Electromyography and Kinesiology</i> , 2014, 24, 120-125.	1.7	9
131	A heuristic checklist for an accessible smartphone interface design. <i>Universal Access in the Information Society</i> , 2014, 13, 351-365.	3.0	55
132	An evaluation of classification algorithms for manual material handling tasks based on data obtained using wearable technologies. <i>Ergonomics</i> , 2014, 57, 1040-1051.	2.1	26
133	Use of wavelet coherence to assess two-joint coordination during quiet upright stance. <i>Journal of Electromyography and Kinesiology</i> , 2014, 24, 607-613.	1.7	9
134	Effects of work experience on fatigue-induced biomechanical changes during repetitive asymmetric lifts/lowers. <i>Ergonomics</i> , 2014, 57, 1875-1885.	2.1	5
135	Fatigue-induced balance alterations in a group of Italian career and retained firefighters. <i>International Journal of Industrial Ergonomics</i> , 2014, 44, 615-620.	2.6	9
136	Influences of Obesity on Job Demands and Worker Capacity. <i>Current Obesity Reports</i> , 2014, 3, 341-347.	8.4	19
137	Effects of work experience on work methods during dynamic pushing and pulling. <i>International Journal of Industrial Ergonomics</i> , 2014, 44, 647-653.	2.6	14
138	Ergonomic evaluation of a wearable assistive device for overhead work. <i>Ergonomics</i> , 2014, 57, 1864-1874.	2.1	117
139	The influence of hand load on lumbar-pelvic coordination during lifting task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2014, 58, 1617-1621.	0.3	8
140	Persons with lower-limb amputation have impaired trunk postural control while maintaining seated balance. <i>Gait and Posture</i> , 2013, 38, 438-442.	1.4	40
141	Creep Deformation of the Human Trunk in Response to Prolonged and Repetitive Flexion: Measuring and Modeling the Effect of External Moment and Flexion Rate. <i>Annals of Biomedical Engineering</i> , 2013, 41, 1150-1161.	2.5	19
142	Occupational health outcomes for workers in the agriculture, forestry and fishing sector: Implications for immigrant workers in the southeastern US. <i>American Journal of Industrial Medicine</i> , 2013, 56, 940-959.	2.1	45
143	Persons with unilateral lower-limb amputation have altered and asymmetric trunk mechanical and neuromuscular behaviors estimated using multidirectional trunk perturbations. <i>Journal of Biomechanics</i> , 2013, 46, 1907-1912.	2.1	26
144	Evidence for an exposure-response relationship between trunk flexion and impairments in trunk postural control. <i>Journal of Biomechanics</i> , 2013, 46, 2554-2557.	2.1	19

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145	Disturbance and recovery of trunk mechanical and neuromuscular behaviors following repeated static trunk flexion: Influences of duration and duty cycle on creep-induced effects. <i>Applied Ergonomics</i> , 2013, 44, 643-651.	3.1	20
146	Experienced workers may sacrifice peak torso kinematics/kinetics for enhanced balance/stability during repetitive lifting. <i>Journal of Biomechanics</i> , 2013, 46, 1211-1215.	2.1	22
147	Differences in functional performance of the shoulder musculature with obesity and aging. <i>International Journal of Industrial Ergonomics</i> , 2013, 43, 393-399.	2.6	15
148	Effects of exercise-induced low back pain on intrinsic trunk stiffness and paraspinal muscle reflexes. <i>Journal of Biomechanics</i> , 2013, 46, 801-805.	2.1	22
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