# Svend Erik Mathiassen

List of Publications by Year
in descending order

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|---|---|---|---|
| 190 papers | 7,333 citations | 50276 46 h-index | 69250 77 g-index |
| 194 all docs | 194 docs citations | 194 times ranked | 4027 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Systematic evaluation of observational methods assessing biomechanical exposures at work. Scandinavian Journal of Work, Environment and Health, 2010, 36, 3-24. | 3.4 | 414 |
| 2 | Normalization of surface EMG amplitude from the upper trapezius muscle in ergonomic studies â€" A review. Journal of Electromyography and Kinesiology, 1995, 5, 197-226. | 1.7 | 405 |
| 3 | Assessment of physical work load in epidemiologic studies: concepts, issues and operational considerations. Ergonomics, 1994, 37, 979-988. | 2.1 | 385 |
| 4 | Diversity and variation in biomechanical exposure: What is it, and why would we like to know?. Applied Ergonomics, 2006, 37, 419-427. | 3.1 | 264 |
| 5 | Motor variability in occupational health and performance. Clinical Biomechanics, 2012, 27, 979-993. | 1.2 | 226 |
| 6 | Quantifying variation in physical load using exposure-vs-time data. Ergonomics, 1991, 34, 1455-1468. | 2.1 | 166 |
| 7 | Increased physical work loads in modern work â€" a necessity for better health and performance?. Ergonomics, 2009, 52, 1215-1225. | 2.1 | 162 |
| 8 | Changes in the degree of motor variability associated with experimental and chronic neckâ€"shoulder pain during a standardised repetitive arm movement. Experimental Brain Research, 2008, 185, 689-698. | 1.5 | 161 |
| 9 | Work related shoulder disorders: quantitative exposure-response relations with reference to arm posture. Occupational and Environmental Medicine, 2004, 61, 844-853. | 2.8 | 152 |
| 10 | Variability in mechanical exposure within and between individuals performing a highly constrained industrial work task. Ergonomics, 2003, 46, 800-824. | 2.1 | 150 |
| 11 | Precision of measurements of physical workload during standardised manual handling. Part II: Inclinometry of head, upper back, neck and upper arms. Journal of Electromyography and Kinesiology, 2006, 16, 125-136. | 1.7 | 108 |
| 12 | Interventions to reduce sedentary behavior and increase physical activity during productive work: a systematic review. Scandinavian Journal of Work, Environment and Health, 2016, 42, 181-191. | 3.4 | 101 |
| 13 | Statistical power and measurement allocation in ergonomic intervention studies assessing upper trapezius EMG amplitude. Journal of Electromyography and Kinesiology, 2002, 12, 45-57. | 1.7 | 99 |
| 14 | Timeâ€"A key issue for musculoskeletal health and manufacturing. Applied Ergonomics, 2007, 38, 733-744. | 3.1 | 98 |
| 15 | Sitâ€"stand desks in call centres: Associations of use and ergonomics awareness with sedentary behavior. Applied Ergonomics, 2013, 44, 517-522. | 3.1 | 96 |
| 16 | A case study evaluating the ergonomic and productivity impacts of partial automation strategies in the electronics industry. International Journal of Production Research, 2002, 40, 4059-4075. | 7.5 | 95 |
| 17 | The size of cycle-to-cycle variability in biomechanical exposure among butchers performing a standardised cutting task. Ergonomics, 2008, 51, 1078-1095. | 2.1 | 95 |
| 18 | The effect of work pace on workload, motor variability and fatigue during simulated light assembly work. Ergonomics, 2011, 54, 154-168. | 2.1 | 95 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Production system design elements influencing productivity and ergonomics. International Journal of Operations and Production Management, 2006, 26, 904-923. | 5.9 | 92 |
| 20 | Electromyographic activity in the shoulder-neck region according to arm position and glenohumeral torque. European Journal of Applied Physiology and Occupational Physiology, 1990, 61, 370-379. | 1.2 | 90 |
| 21 | Precision of measurements of physical workload during standardised manual handling. Part I: Surface electromyography of m. trapezius, m. infraspinatus and the forearm extensors. Journal of Electromyography and Kinesiology, 2004, 14, 443-454. | 1.7 | 90 |
| 22 | An integrated analysis of ergonomics and time consumption in Swedish â€˜craft-typeâ€™ car disassembly. Applied Ergonomics, 2005, 36, 263-273. | 3.1 | 85 |
| 23 | Variation between seated and standing/walking postures among male and female call centre operators. BMC Public Health, 2012, 12, 154. | 2.9 | 80 |
| 24 | Work above shoulder level and degenerative alterations of the rotator cuff tendons: A magnetic resonance imaging study. Arthritis and Rheumatism, 2004, 50, 3314-3322. | 6.7 | 79 |
| 25 | Job enlargement and mechanical exposure variability in cyclic assembly work. Ergonomics, 2004, 47, 19-40. | 2.1 | 78 |
| 26 | Self-rated productivity and employee well-being in activity-based offices: The role of environmental perceptions and workspace use. Building and Environment, 2018, 145, 115-124. | 6.9 | 70 |
| 27 | A comparison of standard and compositional data analysis in studies addressing group differences in sedentary behavior and physical activity. International Journal of Behavioral Nutrition and Physical Activity, 2018, 15, 53. | 4.6 | 67 |
| 28 | A research framework for the development and implementation of interventions preventing work-related musculoskeletal disorders. Scandinavian Journal of Work, Environment and Health, 2017, 43, 526-539. | 3.4 | 65 |
| 29 | Efficient One-Day Sampling of Mechanical Job Exposure Dataâ€”A Study Based on Upper Trapezius Activity in Cleaners and Office Workers. AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety, 2003, 64, 196-211. | 0.4 | 64 |
| 30 | Gender differences in fatigability and muscle activity responses to a short-cycle repetitive task. European Journal of Applied Physiology, 2016, 116, 2357-2365. | 2.5 | 63 |
| 31 | Working from home during the COVID-19 outbreak in Sweden: effects on 24-h time-use in office workers. BMC Public Health, 2021, 21, 528. | 2.9 | 63 |
| 32 | Task based exposure assessment in ergonomic epidemiology: a study of upper arm elevation in the jobs of machinists, car mechanics, and house painters. Occupational and Environmental Medicine, 2005, 62, 18-27. | 2.8 | 61 |
| 33 | Association between objectively measured sitting time and neckâ€“shoulder pain among blue-collar workers. International Archives of Occupational and Environmental Health, 2015, 88, 1031-1042. | 2.3 | 58 |
| 34 | Ergonomic effects of a management-based rationalization in assembly work â€” a case study. Applied Ergonomics, 1996, 27, 89-99. | 3.1 | 56 |
| 35 | Prediction of shoulder flexion endurance from personal factors. International Journal of Industrial Ergonomics, 1999, 24, 315-329. | 2.6 | 56 |
| 36 | Upper Arm Postures and Movements in Female Hairdressers across Four Full Working Days. Annals of Occupational Hygiene, 2010, 54, 584-94. | 1.9 | 56 |

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|---|---|---|---|
| 37 | Patterning of children's sedentary time at and away from school. Obesity, 2013, 21, E131-3. | 3.0 | 56 |
| 38 | The influence of exercise/rest schedule on the physiological and psychophysical response to isometric shoulder-neck exercise. European Journal of Applied Physiology and Occupational Physiology, 1993, 67, 528-539. | 1.2 | 55 |
| 39 | On the evolution of task-based analysis of manual materials handling, and its applicability in contemporary ergonomics. Applied Ergonomics, 2006, 37, 33-43. | 3.1 | 54 |
| 40 | Promoting health and physical capacity during productive work: the Goldilocks Principle. Scandinavian Journal of Work, Environment and Health, 2019, 45, 90-97. | 3.4 | 53 |
| 41 | Group-based measurement strategies in exposure assessment explored by bootstrapping. Scandinavian Journal of Work, Environment and Health, 2001, 27, 125-132. | 3.4 | 53 |
| 42 | Changes in physical workload with implementation of mouse-based information technology in air traffic control. International Journal of Industrial Ergonomics, 2006, 36, 613-622. | 2.6 | 52 |
| 43 | Normalizing upper trapezius EMG amplitude: Comparison of different procedures. Journal of Electromyography and Kinesiology, 1995, 5, 251-257. | 1.7 | 51 |
| 44 | Methodological variance associated with normalization of occupational upper trapezius EMG using sub-maximal reference contractions. Journal of Electromyography and Kinesiology, 2009, 19, 416-427. | 1.7 | 51 |
| 45 | Physiological effects of micropauses in isometric handgrip exercise. European Journal of Applied Physiology and Occupational Physiology, 1991, 63, 405-411. | 1.2 | 48 |
| 46 | Differences between work and leisure in temporal patterns of objectively measured physical activity among blue-collar workers. BMC Public Health, 2015, 15, 976. | 2.9 | 47 |
| 47 | Task-based estimation of mechanical job exposure in occupational groups. Scandinavian Journal of Work, Environment and Health, 2005, 31, 138-151. | 3.4 | 47 |
| 48 | An evaluation of methods assessing the physical demands of manual lifting in scaffolding. Applied Ergonomics, 2005, 36, 213-222. | 3.1 | 46 |
| 49 | Shoulder-arm muscle load and performance during control operation in forestry machines. Applied Ergonomics, 1997, 28, 85-97. | 3.1 | 43 |
| 50 | Motor control and cardiovascular responses during isoelectric contractions of the upper trapezius muscle: evidence for individual adaptation strategies. European Journal of Applied Physiology, 1997, 76, 434-444. | 2.5 | 41 |
| 51 | The â€˜Goldilocks Principleâ€™: designing physical activity at work to be â€˜just rightâ€™ for promoting health. British Journal of Sports Medicine, 2018, 52, 818-819. | 6.7 | 40 |
| 52 | Variation of force amplitude and its effects on local fatigue. European Journal of Applied Physiology, 2012, 112, 3865-3879. | 2.5 | 39 |
| 53 | Cost-efficient assessment of biomechanical exposure in occupational groups, exemplified by posture observation and inclinometry. Scandinavian Journal of Work, Environment and Health, 2014, 40, 252-265. | 3.4 | 39 |
| 54 | The ability of limited exposure sampling to detect effects of interventions that reduce the occurrence of pronounced trunk inclination. Applied Ergonomics, 2010, 41, 295-304. | 3.1 | 36 |

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|---|---|---|---|
| 55 | Influence of three principles of pacing on the temporal organisation of work during cyclic assembly and disassembly tasks. Ergonomics, 2010, 53, 1347-1358. | 2.1 | 35 |
| 56 | Full-Shift Trunk and Upper Arm Postures and Movements Among Aircraft Baggage Handlers. Annals of Occupational Hygiene, 2016, 60, 977-990. | 1.9 | 35 |
| 57 | Can occupational guidelines for work-rest schedules be based on endurance time data?. Ergonomics, 1992, 35, 253-259. | 2.1 | 34 |
| 58 | Cost efficiency comparison of four video-based techniques for assessing upper arm postures. Ergonomics, 2012, 55, 350-360. | 2.1 | 34 |
| 59 | A practical guidance for assessments of sedentary behavior at work: A PEROSH initiative. Applied Ergonomics, 2017, 63, 41-52. | 3.1 | 34 |
| 60 | ErgoVSM: A Tool for Integrating Value Stream Mapping and Ergonomics in Manufacturing. Human Factors and Ergonomics in Manufacturing, 2016, 26, 191-204. | 2.7 | 33 |
| 61 | Can Cognitive Activities during Breaks in Repetitive Manual Work Accelerate Recovery from Fatigue? A Controlled Experiment. PLoS ONE, 2014, 9, e112090. | 2.5 | 33 |
| 62 | Differences in muscle load between computer and non-computer work among office workers. Ergonomics, 2009, 52, 1540-1555. | 2.1 | 32 |
| 63 | Cost-efficient measurement strategies for posture observations based on video recordings. Applied Ergonomics, 2013, 44, 609-617. | 3.1 | 32 |
| 64 | The size and structure of arm movement variability decreased with work pace in a standardised repetitive precision task. Ergonomics, 2015, 58, 128-139. | 2.1 | 32 |
| 65 | Data collection costs in industrial environments for three occupational posture exposure assessment methods. BMC Medical Research Methodology, 2012, 12, 89. | 3.1 | 31 |
| 66 | Capturing the Pattern of Physical Activity and Sedentary Behavior: Exposure Variation Analysis of Accelerometer Data. Journal of Physical Activity and Health, 2014, 11, 614-625. | 2.0 | 31 |
| 67 | The effects of moving into an activity-based office on communication, social relations and work demands â€“ A controlled intervention with repeated follow-up. Journal of Environmental Psychology, 2019, 66, 101341. | 5.1 | 31 |
| 68 | Time-Based Data in Occupational Studies: The Whys, the Hows, and Some Remaining Challenges in Compositional Data Analysis (CoDA). Annals of Work Exposures and Health, 2020, 64, 778-785. | 1.4 | 31 |
| 69 | Psychosocial Work Factors and Musculoskeletal Pain: A Cross-Sectional Study among Swedish Flight Baggage Handlers. BioMed Research International, 2015, 2015, 1-11. | 1.9 | 30 |
| 70 | Musculoskeletal health and work ability in physically demanding occupations: study protocol for a prospective field study on construction and health care workers. BMC Public Health, 2014, 14, 1075. | 2.9 | 29 |
| 71 | Is self-reported time spent sedentary and in physical activity differentially biased by age, gender, body mass index, and low-back pain?. Scandinavian Journal of Work, Environment and Health, 2018, 44, 163-170. | 3.4 | 29 |
| 72 | Observer reliability of industrial activity analysis based on video recordings. International Journal of Industrial Ergonomics, 2006, 36, 275-282. | 2.6 | 28 |

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|---|---|---|---|
| 73 | Differences in motor variability among individuals performing a standardized short-cycle manual task. Human Movement Science, 2017, 51, 17-26. | 1.4 | 28 |
| 74 | Between- and within-subject variance of motor variability metrics in females performing repetitive upper-extremity precision work. Journal of Electromyography and Kinesiology, 2015, 25, 121-129. | 1.7 | 27 |
| 75 | Short- and long-term reliability of heart rate variability indices during repetitive low-force work. European Journal of Applied Physiology, 2015, 115, 803-812. | 2.5 | 27 |
| 76 | Are temporal patterns of sitting associated with obesity among blue-collar workers? A cross sectional study using accelerometers. BMC Public Health, 2016, 16, 148. | 2.9 | 27 |
| 77 | Variability in spatio-temporal pattern of trapezius activity and coordination of hand-arm muscles during a sustained repetitive dynamic task. Experimental Brain Research, 2017, 235, 389-400. | 1.5 | 27 |
| 78 | Reliability of near-infrared spectroscopy for measuring forearm and shoulder oxygenation in healthy males and females. European Journal of Applied Physiology, 2012, 112, 2703-2715. | 2.5 | 26 |
| 79 | Prediction of objectively measured physical activity and sedentariness among blue-collar work using survey questionnaires. Scandinavian Journal of Work, Environment and Health, 2016, 42, 237-45. | 3.4 | 26 |
| 80 | Is prolonged sitting at work associated with the time course of neckâ€“shoulder pain? A prospective study in Danish blue-collar workers. BMJ Open, 2016, 6, e012689. | 1.9 | 25 |
| 81 | Sedentary and Physical Activity Behavior in â€œBlue-Collarâ€•Workers: A Systematic Review of Accelerometer Studies. Journal of Physical Activity and Health, 2019, 16, 1060-1069. | 2.0 | 25 |
| 82 | Cost-Efficient Design of Occupational Exposure Assessment Strategiesâ€”A Review. Annals of Occupational Hygiene, 2010, 54, 858-68. | 1.9 | 24 |
| 83 | Temporal strategy and performance during a fatiguing short-cycle repetitive task. Ergonomics, 2012, 55, 863-873. | 2.1 | 22 |
| 84 | Effects of concurrent physical and cognitive demands on muscle activity and heart rate variability in a repetitive upper-extremity precision task. European Journal of Applied Physiology, 2016, 116, 227-239. | 2.5 | 22 |
| 85 | Sitting patterns after relocation to activity-based offices: A controlled study of a natural intervention. Preventive Medicine, 2018, 111, 384-390. | 3.4 | 22 |
| 86 | Neck postures in air traffic controllers with and without neck/shoulder disorders. Applied Ergonomics, 2008, 39, 255-260. | 3.1 | 21 |
| 87 | Theoretical and Empirical Efficiency of Sampling Strategies for Estimating Upper Arm Elevation. Annals of Occupational Hygiene, 2011, 55, 436-49. | 1.9 | 21 |
| 88 | Variation in upper extremity, neck and trunk postures when performing computer work at a sit-stand station. Applied Ergonomics, 2019, 75, 120-128. | 3.1 | 21 |
| 89 | Physical Behaviours in Brazilian Office Workers Working from Home during the COVID-19 Pandemic, Compared to before the Pandemic: A Compositional Data Analysis. International Journal of Environmental Research and Public Health, 2021, 18, 6278. | 2.6 | 21 |
| 90 | Nonlinear metrics assessing motor variability in a standardized pipetting task: Between- and within-subject variance components. Journal of Electromyography and Kinesiology, 2015, 25, 557-564. | 1.7 | 20 |

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|---|---|---|---|
| 91 | Is what you see what you get? Standard inclinometry of set upper arm elevation angles. Applied Ergonomics, 2015, 47, 242-252. | 3.1 | 20 |
| 92 | Temporal patterns of sitting at work are associated with neckâ€“shoulder pain in blue-collar workers: a cross-sectional analysis of accelerometer data in the DPHACTO study. International Archives of Occupational and Environmental Health, 2016, 89, 823-833. | 2.3 | 20 |
| 93 | Sitting, standing and moving during work and leisure among male and female office workers of different age: a compositional data analysis. BMC Public Health, 2020, 20, 826. | 2.9 | 20 |
| 94 | Occupational and Individual Determinants of Work-life Balance among Office Workers with Flexible Work Arrangements. International Journal of Environmental Research and Public Health, 2020, 17, 1418. | 2.6 | 20 |
| 95 | Systematic review of biochemical biomarkers for neck and upper-extremity musculoskeletal disorders. Scandinavian Journal of Work, Environment and Health, 2016, 42, 103-124. | 3.4 | 20 |
| 96 | Normalizing upper trapezius EMG amplitude: Comparison of ramp and constant force procedures. Journal of Electromyography and Kinesiology, 1995, 5, 245-250. | 1.7 | 19 |
| 97 | Interactive effect of ergonomics and production engineering on shoulder-neck exposure â€” A case study of assembly work in China and Sweden. International Journal of Industrial Ergonomics, 1997, 20, 75-85. | 2.6 | 19 |
| 98 | Assessment of time patterns of activity and rest in full-shift recordings of trapezius muscle activity â€“ Effects of the data processing procedure. Journal of Electromyography and Kinesiology, 2013, 23, 540-547. | 1.7 | 19 |
| 99 | The combined influence of task accuracy and pace on motor variability in a standardised repetitive precision task. Ergonomics, 2015, 58, 1388-1397. | 2.1 | 19 |
| 100 | Explicit and implicit theories of change when designing and implementing preventive ergonomics interventions â€“ a systematic literature review. Scandinavian Journal of Work, Environment and Health, 2011, 37, 363-375. | 3.4 | 19 |
| 101 | A questionnaire measuring staff perceptions of Lean adoption in healthcare: development and psychometric testing. BMC Health Services Research, 2017, 17, 235. | 2.2 | 18 |
| 102 | Calibration of Self-Reported Time Spent Sitting, Standing and Walking among Office Workers: A Compositional Data Analysis. International Journal of Environmental Research and Public Health, 2019, 16, 3111. | 2.6 | 18 |
| 103 | Is objectively measured sitting at work associated with low-back pain? A cross sectional study in the DPhacto cohort. Scandinavian Journal of Work, Environment and Health, 2018, 44, 96-105. | 3.4 | 18 |
| 104 | ITKids Part II: Variation of postures and muscle activity in children using different information and communication technologies. Work, 2011, 38, 413-427. | 1.1 | 17 |
| 105 | Variation in Muscle Activity Among Office Workers When Using Different Information Technologies at Work and Away From Work. Human Factors, 2013, 55, 911-923. | 3.5 | 17 |
| 106 | Observer variability in posture assessment from video recordings: The effect of partly visible periods. Applied Ergonomics, 2017, 60, 275-281. | 3.1 | 17 |
| 107 | Lean maturity and quality in primary care. Journal of Health Organization and Management, 2019, 33, 141-154. | 1.3 | 17 |
| 108 | Influence of angular velocity and movement frequency on development of fatigue in repeated isokinetic knee extensions. European Journal of Applied Physiology and Occupational Physiology, 1989, 59, 80-88. | 1.2 | 16 |

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|---|---|---|---|
| 109 | Data processing costs for three posture assessment methods. BMC Medical Research Methodology, 2013, 13, 124. | 3.1 | 16 |
| 110 | Diversity of tasks and information technologies used by office workers at and away from work. Ergonomics, 2011, 54, 1017-1028. | 2.1 | 15 |
| 111 | Accuracy and precision of variance components in occupational posture recordings: a simulation study of different data collection strategies. BMC Medical Research Methodology, 2012, 12, 58. | 3.1 | 15 |
| 112 | Posture variation among office workers when using different information and communication technologies at work and away from work. Ergonomics, 2014, 57, 1678-1686. | 2.1 | 15 |
| 113 | Variation at work: alternations between physically and mentally demanding tasks in blue-collar occupations. Ergonomics, 2017, 60, 1218-1227. | 2.1 | 15 |
| 114 | Staff perception of Lean, care-giving, thriving and exhaustion: a longitudinal study in primary care. BMC Health Services Research, 2019, 19, 652. | 2.2 | 15 |
| 115 | Development and Implementation of â€˜Just Rightâ€™ Physical Behavior in Industrial Work Based on the Goldilocks Work Principleâ€”A Feasibility Study. International Journal of Environmental Research and Public Health, 2021, 18, 4707. | 2.6 | 15 |
| 116 | Activity in five muscles during joint securing using pneumatic nutrunners. International Journal of Industrial Ergonomics, 2002, 29, 21-32. | 2.6 | 14 |
| 117 | Optimizing cost-efficiency in mean exposure assessment - cost functions reconsidered. BMC Medical Research Methodology, 2011, 11, 76. | 3.1 | 14 |
| 118 | Sitâ€“Stand Tables With Semi-Automated Position Changes: A New Interactive Approach for Reducing Sitting in Office Work. IISE Transactions on Occupational Ergonomics and Human Factors, 2017, 5, 39-46. | 0.8 | 14 |
| 119 | Comparison of Sedentary Behaviors in Office Workers Using Sit-Stand Tables With and Without Semiautomated Position Changes. Human Factors, 2017, 59, 782-795. | 3.5 | 14 |
| 120 | Systematic review of quantitative imaging biomarkers for neck and shoulder musculoskeletal disorders. BMC Musculoskeletal Disorders, 2017, 18, 395. | 1.9 | 14 |
| 121 | Trapezius muscle activity variation during computer work performed by individuals with and without neck-shoulder pain. Applied Ergonomics, 2019, 81, 102908. | 3.1 | 14 |
| 122 | Correction of bias in self-reported sitting time among office workers â€“ a study based on compositional data analysis. Scandinavian Journal of Work, Environment and Health, 2020, 46, 32-42. | 3.4 | 14 |
| 123 | The accuracy of self-rating of exposure to repetitive work. International Journal of Industrial Ergonomics, 2000, 25, 239-246. | 2.6 | 13 |
| 124 | Motor variability â€“ an important issue in occupational life. Work, 2012, 41, 2527-2534. | 1.1 | 13 |
| 125 | Postpandemic hybrid work: opportunities and challenges for physical activity and public health. British Journal of Sports Medicine, 2022, 56, 1203-1204. | 6.7 | 13 |
| 126 | ITKids Part I: Children's occupations and use of information and communication technologies. Work, 2011, 38, 401-412. | 1.1 | 12 |

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|---|---|---|---|
| 127 | Bias and imprecision in posture percentile variables estimated from short exposure samples. BMC Medical Research Methodology, 2012, 12, 36. | 3.1 | 12 |
| 128 | Effects of concurrent physical and cognitive demands on arm movement kinematics in a repetitive upper-extremity precision task. Human Movement Science, 2015, 42, 89-99. | 1.4 | 12 |
| 129 | The ability of non-computer tasks to increase biomechanical exposure variability in computer-intensive office work. Ergonomics, 2015, 58, 50-64. | 2.1 | 12 |
| 130 | Effects of Two Randomized and Controlled Multi-Component Interventions Focusing On 24-Hour Movement Behavior among Office Workers: A Compositional Data Analysis. International Journal of Environmental Research and Public Health, 2021, 18, 4191. | 2.6 | 12 |
| 131 | Normalization of upper trapezius EMG amplitude in ergonomic studies. Journal of Electromyography and Kinesiology, 1995, 5, 195-196. | 1.7 | 11 |
| 132 | Concurrent cognitive task may improve motor work performance and reduce muscle fatigue. Work, 2012, 41, 2893-2896. | 1.1 | 11 |
| 133 | Efficient assessment of exposure to manual lifting using company data. Applied Ergonomics, 2013, 44, 360-365. | 3.1 | 11 |
| 134 | Partly visible periods in posture observation from video: Prevalence and effect on summary estimates of postures in the job. Applied Ergonomics, 2015, 49, 63-69. | 3.1 | 11 |
| 135 | Measurement strategy and statistical power in studies assessing gait stability and variability in older adults. Aging Clinical and Experimental Research, 2016, 28, 257-265. | 2.9 | 11 |
| 136 | Precision based guidelines for sub-maximal normalisation task selection for trunk extensor EMG. Journal of Electromyography and Kinesiology, 2017, 37, 41-51. | 1.7 | 11 |
| 137 | Can Childcare Work Be Designed to Promote High Intensity Physical Activity for Improved Fitness and Health? A Proof of Concept Study of the Goldilocks Principle. International Journal of Environmental Research and Public Health, 2020, 17, 7419. | 2.6 | 11 |
| 138 | Influence of Work Pace on Upper Extremity Kinematics and Muscle Activity in a Short-Cycle Repetitive Pick-and-Place Task. Annals of Work Exposures and Health, 2017, 61, 356-368. | 1.4 | 10 |
| 139 | Predicting Directly Measured Trunk and Upper Arm Postures in Paper Mill Work From Administrative Data, Workersâ€™ Ratings and Posture Observations. Annals of Work Exposures and Health, 2017, 61, 207-217. | 1.4 | 10 |
| 140 | Cost-efficient observation of working postures from video recordings â€“ more videos, more observers or more views per observer?. Work, 2012, 41, 2302-2306. | 1.1 | 9 |
| 141 | Consistency of Sedentary Behavior Patterns among Office Workers with Long-Term Access to Sit-Stand Workstations. Annals of Work Exposures and Health, 2019, 63, 583-591. | 1.4 | 9 |
| 142 | Trunk and upper arm postures in paper mill work. Applied Ergonomics, 2019, 76, 90-96. | 3.1 | 9 |
| 143 | Design of Ergonomic Intervention Studies Using Exposure Variability Data â€” An Example Based on Assembly Work EMG. Proceedings of the Human Factors and Ergonomics Society, 2000, 44, 5-618-5-618. | 0.3 | 8 |
| 144 | Reliability and criterion validity of an observation protocol for working technique assessments in cash register work. Ergonomics, 2016, 59, 829-839. | 2.1 | 8 |

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|---|---|---|---|
| 145 | Daily Shoulder Pain Among Flight Baggage Handlers and its Association With Work Tasks and Upper Arm Postures on the Same Day. Annals of Work Exposures and Health, 2017, 61, 1145-1153. | 1.4 | 8 |
| 146 | Physiological comparison of three interventions in light assembly work: reduced work pace, increased break allowance and shortened working days. International Archives of Occupational and Environmental Health, 1996, 68, 94-108. | 2.3 | 8 |
| 147 | Participative development of packages in the food industry â€“ evaluation of ergonomics and productivity by objective measurements. Work, 2012, 41, 1751-1755. | 1.1 | 7 |
| 148 | Cluster-based exposure variation analysis. BMC Medical Research Methodology, 2013, 13, 54. | 3.1 | 7 |
| 149 | Long-Term Monitoring of Physical Behavior Reveals Different Cardiac Responses to Physical Activity among Subjects with and without Chronic Neck Pain. BioMed Research International, 2015, 2015, 1-11. | 1.9 | 7 |
| 150 | Correctness of Self-Reported Task Durations: A Systematic Review. Annals of Work Exposures and Health, 2018, 62, 1-16. | 1.4 | 7 |
| 151 | Alternations between physical and cognitive tasks in repetitive work â€“ effect of cognitive task difficulty on fatigue development in women. Ergonomics, 2019, 62, 1008-1022. | 2.1 | 7 |
| 152 | An Exploratory Study on the Physical Activity Health Paradoxâ€”Musculoskeletal Pain and Cardiovascular Load during Work and Leisure in Construction and Healthcare Workers. International Journal of Environmental Research and Public Health, 2022, 19, 2751. | 2.6 | 7 |
| 153 | The statistical confidence of load estimates based on ramp calibration of upper trapezius EMG. Journal of Electromyography and Kinesiology, 1996, 6, 59-65. | 1.7 | 6 |
| 154 | Muscle contraction force and fatigue. NeuroReport, 2010, 21, 1152-1156. | 1.2 | 6 |
| 155 | Statistical Performance of Observational Work Sampling for Assessment of Categorical Exposure Variables: A Simulation Approach Illustrated Using PATH Data. Annals of Occupational Hygiene, 2014, 58, 294-316. | 1.9 | 6 |
| 156 | Observer performance in estimating upper arm elevation angles under ideal viewing conditions when assisted by posture matching software. Applied Ergonomics, 2016, 55, 208-215. | 3.1 | 6 |
| 157 | Consistent individual motor variability traits demonstrated by females performing a long-cycle assembly task under conditions differing in temporal organisation. Applied Ergonomics, 2020, 85, 103046. | 3.1 | 6 |
| 158 | Can childcare work be designed to promote moderate and vigorous physical activity, cardiorespiratory fitness and health? Study protocol for the Goldilocks-childcare randomised controlled trial. BMC Public Health, 2020, 20, 237. | 2.9 | 6 |
| 159 | Equal health at work? Protocol for an observational study of work organisation, workload and musculoskeletal complaints among women and men in grocery retail. BMJ Open, 2020, 10, e032409. | 1.9 | 6 |
| 160 | A Comparison of Two Strategies for Building an Exposure Prediction Model. Annals of Occupational Hygiene, 2016, 60, mev072. | 1.9 | 5 |
| 161 | Modeling costs of exposure assessment methods in industrial environments. Work, 2012, 41, 6079-6086. | 1.1 | 4 |
| 162 | Bias and Power in Group-Based Epidemiologic Studies of Low-Back Pain Exposure and Outcome â€“ Effects of Study Size and Exposure Measurement Efforts. Annals of Occupational Hygiene, 2015, 59, 439-54. | 1.9 | 4 |

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