Stephen S Bao

List of Publications by Year
in descending order

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41 papers	1,323 citations	331670 21 h-index	345221 36 g-index
41 all docs	41 docs citations	41 times ranked	910 citing authors

#	Article	IF	Citations
1	Interaction between physical demands and job strain on musculoskeletal symptoms and work performance. Ergonomics, 2022, , 1-39.	2.1	0
2	Validation of the Revised Strain Index for Predicting Risk of Incident Carpal Tunnel Syndrome in a Prospective Cohort. Ergonomics, 2021, 64, 1369-1378.	2.1	4
3	Are Work-Related Musculoskeletal Disorders Claims Related to Risk Factors in Workplaces of the Manufacturing Industry?. Annals of Work Exposures and Health, 2020, 64, 152-164.	1.4	22
4	Inter-rater reliability of an inertial measurement unit sensor-based posture-matching method: A pilot study. International Journal of Industrial Ergonomics, 2020, 80, 103025.	2.6	6
5	Modeling the Effect of the 2018 Revised ACGIHÂ® Hand Activity Threshold Limit ValueÂ® (TLV) at Reducing Risk for Carpal Tunnel Syndrome. Journal of Occupational and Environmental Hygiene, 2019, 16, 628-633.	1.0	24
6	Reliability and Validity of a Posture Matching Method Using Inertial Measurement Unit-Based Motion Tracking System for Construction Jobs. , 2019, , .		2
7	Individual differences in Visual Perception and Posture Mimicking in the Inertial Sensor-Based Posture Matching Method for the Upper Extremity. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 841-842.	0.3	0
8	An investigation intoÂfour different sitâ€“stand workstation use schedules. Ergonomics, 2018, 61, 243-254.	2.1	24
9	Risk assessments using the Strain Index and the TLV for HAL, Part II: Multi-task jobs and prevalence of CTS. Journal of Occupational and Environmental Hygiene, 2018, 15, 157-166.	1.0	4
10	Risk assessments using the Strain Index and the TLV for HAL, Part I: Task and multi-task job exposure classifications. Journal of Occupational and Environmental Hygiene, 2017, 14, 1011-1019.	1.0	7
11	Psychosocial Factors Related to Lateral and Medial Epicondylitis. Journal of Occupational and Environmental Medicine, 2016, 58, 588-593.	1.7	10
12	Biomechanical and psychosocial exposures are independent risk factors for carpal tunnel syndrome: assessment of confounding using causal diagrams. Occupational and Environmental Medicine, 2016, 73, oemed-2016-103634.	2.8	29
13	Impact of Work Organizational Factors on Carpal Tunnel Syndrome and Epicondylitis. Journal of Occupational and Environmental Medicine, 2016, 58, 760-764.	1.7	10
14	Relationships between job organisational factors, biomechanical and psychosocial exposures. Ergonomics, 2016, 59, 179-194.	2.1	43
15	Associations between workplace factors and carpal tunnel syndrome: A multiâ€site cross sectional study. American Journal of Industrial Medicine, 2015, 58, 509-518.	2.1	30
16	Mechanical stress. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2015, 131, 367-396.	1.8	9
17	Associations between Distal Upper Extremity Job Physical Factors and Psychosocial Measures in a Pooled Study. BioMed Research International, 2015, 2015, 1-9.	1.9	10
18	Biomechanical risk factors for carpal tunnel syndrome: a pooled study of 2474 workers. Occupational and Environmental Medicine, 2015, 72, 33-41.	2.8	127

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19	Developing a pooled job physical exposure data set from multiple independent studies: an example of a consortium study of carpal tunnel syndrome. Occupational and Environmental Medicine, 2015, 72, 130-137.	2.8	21
20	Exposureâ€“response relationships for the ACGIH threshold limit value for hand-activity level: results from a pooled data study of carpal tunnel syndrome. Scandinavian Journal of Work, Environment and Health, 2014, 40, 610-620.	3.4	47
21	Predicting workâ€related incidence of lateral and medial epicondylitis using the strain index. American Journal of Industrial Medicine, 2014, 57, 1319-1330.	2.1	18
22	Automation of Workplace Lifting Hazard Assessment for Musculoskeletal Injury Prevention. Annals of Occupational and Environmental Medicine, 2014, 26, 15.	1.0	26
23	The Association Between Combination of Hand Force and Forearm Posture and Incidence of Lateral Epicondylitis in a Working Population. Human Factors, 2014, 56, 151-165.	3.5	41
24	Evaluation of an ergonomics intervention among Nicaraguan coffee harvesting workers. Ergonomics, 2013, 56, 166-181.	2.1	6
25	Pooling job physical exposure data from multiple independent studies in a consortium study of carpal tunnel syndrome. Ergonomics, 2013, 56, 1021-1037.	2.1	32
26	An Application of a Job Exposure Profile in Work-related Shoulder Disorders Study. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 907-910.	0.3	0
27	Comparison of two different methods for performing combination analysis of force and posture risk factors in an epidemiological study. Scandinavian Journal of Work, Environment and Health, 2011, 37, 512-524.	3.4	3
28	The natural course of carpal tunnel syndrome in a working population. Scandinavian Journal of Work, Environment and Health, 2010, 36, 384-393.	3.4	72
29	Interrater Reliability of Posture Observations. Human Factors, 2009, 51, 292-309.	3.5	68
30	Psychosocial factors and shoulder symptom development among workers. American Journal of Industrial Medicine, 2009, 52, 57-68.	2.1	30
31	Quantitative exposureâ€response relations between physical workload and prevalence of lateral epicondylitis in a working population. American Journal of Industrial Medicine, 2009, 52, 479-490.	2.1	75
32	Reliability of an observational tool to assess the organization of work. International Journal of Industrial Ergonomics, 2009, 39, 260-266.	2.6	15
33	Force measurement in field ergonomics research and application. International Journal of Industrial Ergonomics, 2009, 39, 333-340.	2.6	34
34	Application of the Strain Index in multiple task jobs. Applied Ergonomics, 2009, 40, 56-68.	3.1	29
35	Gender adjustment or stratification in discerning upper extremity musculoskeletal disorder risk?. Scandinavian Journal of Work, Environment and Health, 2009, 35, 113-126.	3.4	86
36	Reliability and Validity Assessment of the Hand Activity Level Threshold Limit Value and Strain Index Using Expert Ratings of Mono-Task Jobs. Journal of Occupational and Environmental Hygiene, 2008, 5, 250-257.	1.0	43

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37	Rotator Cuff Syndrome: Personal, Work-Related Psychosocial and Physical Load Factors. Journal of Occupational and Environmental Medicine, 2008, 50, 1062-1076.	1.7	100
38	Natural course of nontraumatic rotator cuff tendinitis and shoulder symptoms in a working population. Scandinavian Journal of Work, Environment and Health, 2006, 32, 99-108.	3.4	82
39	Estimation of hand force in ergonomic job evaluations. Ergonomics, 2005, 48, 288-301.	2.1	93
40	An electromyography study in three high risk poultry processing jobs. International Journal of Industrial Ergonomics, 2001, 27, 375-385.	2.6	19
41	Prevalence of Musculoskeletal Disorders at Workplaces in the Peopleâ€™s Republic of China. International Journal of Occupational Safety and Ergonomics, 2000, 6, 557-574.	1.9	22