

Thomas J Armstrong

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

236
citations

1683354

5
h-index

940134

16
g-index

22
all docs

22
docs citations

22
times ranked

275
citing authors

#	ARTICLE	IF	CITATIONS
1	Field Observation of Hospital Food Service Workers and the Relationship between Customer Demand and Biomechanical Stress: A Case Study. IISE Transactions on Occupational Ergonomics and Human Factors, 2022, 10, 47-58.	0.5	1
2	Compensation Strategies Among Drop Foot Patients and the Effect of Ankle-Foot Orthosis on Gait Symmetry. Lecture Notes in Networks and Systems, 2021, , 309-313.	0.5	1
3	A planar piecewise continuous lumped muscle parameter model for prediction of walking gait. Gait and Posture, 2021, 88, 146-154.	0.6	1
4	CAD and MODAPTS Models for Assessing Localized Fatigue. Lecture Notes in Networks and Systems, 2021, , 682-687.	0.5	1
5	Field Observation of Hospital Food Service Workers and the Relationship between Customer Demand and Biomechanical Stress: A Case Study.. IISE Transactions on Occupational Ergonomics and Human Factors, 2021, , 1-12.	0.5	0
6	Determining Instantaneous Centers of Rotation for Finger Joints Through Different Postures Using the Iterative Closest Point Algorithm (ICP). Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1470-1474.	0.2	2
7	Motion Data-Driven Biomechanical Analysis during Construction Tasks on Sites. Journal of Computing in Civil Engineering, 2015, 29, .	2.5	68
8	Design of Low-Cost Ergonomic Microsurgery Equipment: Comparison of Microscope and 3D Video Displays on Task Performance1. Journal of Medical Devices, Transactions of the ASME, 2015, 9, .	0.4	3
9	Enhanced Hand Function Assessment Using Pressure. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 1290-1294.	0.2	1
10	Evaluating Alternate Visualization Methods for Microsurgery: 2D and 3D Optical Microscopes and Flat-Panel Displays. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 782-786.	0.2	0
11	Effects of Gender and Hand Dominance on Children's Capacity to Hang onto an Overhead Rung with One Hand. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 2055-2059.	0.2	0
12	Assessing Posture in Surgery: Video Sampling of Microsurgery. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 2080-2083.	0.2	4
13	Alternative 2D and 3D Visualization Methods for Microsurgery: Posture, Performance, and Discomfort Analysis. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 715-719.	0.2	1
14	Development of a Hierarchical Taxonomy for Standardization of Microvascular Surgery. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 1595-1599.	0.2	3
15	Force distribution at the hand/handle interface for grip and pull tasks. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 1159-1163.	0.2	4
16	Lean job design and musculoskeletal disorder risk: A two plant comparison. Human Factors and Ergonomics in Manufacturing, 2009, 19, 279-293.	1.4	35
17	Development of a Computerized Model for Evaluation of Manual Insertion of Flexible Hoses in Automobile Assembly. Proceedings of the Human Factors and Ergonomics Society, 2008, 52, 1498-1502.	0.2	2
18	Subjective Self-Ratings of Perceived Difficulty during Obstructed Manual Hose Insertion Tasks. Proceedings of the Human Factors and Ergonomics Society, 2007, 51, 957-961.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Analysis of an Observational Rating Scale for Repetition, Posture, and Force in Selected Manufacturing Settings. <i>Human Factors</i> , 2006, 48, 487-498.	2.1	16
20	Interrater Reliability of a Video-Based Fixed Interval Sampling Method to Assess Hand Force and Wrist Posture. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2004, 48, 1305-1309.	0.2	0
21	Prolonged median sensory latency as a predictor of future carpal tunnel syndrome. <i>Muscle and Nerve</i> , 2001, 24, 1462-1467.	1.0	58
22	Test-retest reliability of the Upper Extremity Questionnaire among keyboard operators. <i>American Journal of Industrial Medicine</i> , 2001, 40, 655-666.	1.0	35