

Mao-Jiun J Wang

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

3,923
citations

147566

31
h-index

123241

61
g-index

81
all docs

81
docs citations

81
times ranked

2949
citing authors

#	ARTICLE	IF	CITATIONS
1	Ranking fuzzy numbers with integral value. <i>Fuzzy Sets and Systems</i> , 1992, 50, 247-255.	1.6	955
2	An AHP-based approach to ERP system selection. <i>International Journal of Production Economics</i> , 2005, 96, 47-62.	5.1	443
3	A fuzzy multi-criteria decision-making method for facility site selection. <i>International Journal of Production Research</i> , 1991, 29, 2313-2330.	4.9	206
4	The effect of gait speed and gender on perceived exertion, muscle activity, joint motion of lower extremity, ground reaction force and heart rate during normal walking. <i>Gait and Posture</i> , 2007, 25, 385-392.	0.6	162
5	The change of gait parameters during walking at different percentage of preferred walking speed for healthy adults aged 20-60 years. <i>Gait and Posture</i> , 2010, 31, 131-135.	0.6	143
6	The comparisons of anthropometric characteristics among four peoples in East Asia. <i>Applied Ergonomics</i> , 2004, 35, 173-178.	1.7	141
7	A comprehensive framework for selecting an ERP system. <i>International Journal of Project Management</i> , 2004, 22, 161-169.	2.7	138
8	Usability evaluation of E-books. <i>Displays</i> , 2009, 30, 49-52.	2.0	136
9	Automated anthropometric data collection using 3D whole body scanners. <i>Expert Systems With Applications</i> , 2008, 35, 407-414.	4.4	94
10	Comparing 3D foot scanning with conventional measurement methods. <i>Journal of Foot and Ankle Research</i> , 2014, 7, 44.	0.7	81
11	The development of sizing systems for Taiwanese elementary- and high-school students. <i>International Journal of Industrial Ergonomics</i> , 2007, 37, 707-716.	1.5	80
12	Professional footwear evaluation for clinical nurses. <i>Applied Ergonomics</i> , 2007, 38, 133-141.	1.7	70
13	Using decision tree-based data mining to establish a sizing system for the manufacture of garments. <i>International Journal of Advanced Manufacturing Technology</i> , 2005, 26, 669-674.	1.5	65
14	Digital human modeling and workplace evaluation: Using an automobile assembly task as an example. <i>Human Factors and Ergonomics in Manufacturing</i> , 2007, 17, 445-455.	1.4	60
15	Development of anthropometric work environment for Taiwanese workers. <i>International Journal of Industrial Ergonomics</i> , 1999, 23, 3-8.	1.5	59
16	Taiwanese adult foot shape classification using 3D scanning data. <i>Ergonomics</i> , 2015, 58, 513-523.	1.1	55
17	A comprehensive supply chain management project selection framework under fuzzy environment. <i>International Journal of Project Management</i> , 2007, 25, 627-636.	2.7	51
18	Effective Indices for Monitoring Mental Workload While Performing Multiple Tasks. <i>Perceptual and Motor Skills</i> , 2015, 121, 94-117.	0.6	43

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19	Automated anthropometric data collection from three-dimensional digital human models. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 32, 109-115.	1.5	42
20	Automated body feature extraction from 2D images. <i>Expert Systems With Applications</i> , 2011, 38, 2585-2591.	4.4	42
21	The development of an intelligent system for customized clothing making. <i>Expert Systems With Applications</i> , 2010, 37, 799-803.	4.4	41
22	Constructing 3D human model from front and side images. <i>Expert Systems With Applications</i> , 2012, 39, 5012-5018.	4.4	40
23	Determining the maximum acceptable work duration for high-intensity work. <i>European Journal of Applied Physiology</i> , 2001, 85, 339-344.	1.2	39
24	Usability evaluation of an instructional application based on Google Glass for mobile phone disassembly tasks. <i>Applied Ergonomics</i> , 2019, 77, 58-69.	1.7	39
25	Evaluating the Effectiveness of Using Electroencephalogram Power Indices to Measure Visual Fatigue. <i>Perceptual and Motor Skills</i> , 2013, 116, 235-252.	0.6	38
26	Evaluation of perceived discomfort in repetitive arm reaching and holding tasks. <i>International Journal of Industrial Ergonomics</i> , 2010, 40, 90-96.	1.5	37
27	The effect of arm posture on the scan-derived measurements. <i>Applied Ergonomics</i> , 2010, 41, 236-241.	1.7	35
28	The Evaluation of Scan-Derived Anthropometric Measurements. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2010, 59, 2048-2054.	2.4	35
29	Gender and walking speed effects on plantar pressure distribution for adults aged 20â€“60 years. <i>Ergonomics</i> , 2012, 55, 194-200.	1.1	35
30	The Effect of Air Permeability and Water Vapor Permeability of Cleanroom Clothing on Physiological Responses and Wear Comfort. <i>Journal of Occupational and Environmental Hygiene</i> , 2014, 11, 366-376.	0.4	35
31	Hand/tool interface effects on human torque capacity. <i>International Journal of Industrial Ergonomics</i> , 1996, 18, 205-213.	1.5	32
32	The anthropometric database for children and young adults in Taiwan. <i>Applied Ergonomics</i> , 2002, 33, 583-585.	1.7	32
33	The effects of container design and stair climbing on maximal acceptable lift weight, wrist posture, psychophysical, and physiological responses in wafer-handling tasks. <i>Applied Ergonomics</i> , 2001, 32, 593-598.	1.7	24
34	Risk assessments of work-related musculoskeletal disorders among the TFT-LCD manufacturing operators. <i>International Journal of Industrial Ergonomics</i> , 2016, 52, 40-51.	1.5	24
35	The Effect of Handle Angle on MAWL, Wrist Posture, RPE, and Heart Rate. <i>Human Factors</i> , 2000, 42, 553-565.	2.1	22
36	The development of a clothing fit evaluation system under virtual environment. <i>Multimedia Tools and Applications</i> , 2016, 75, 7575-7587.	2.6	22

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37	Evaluating the 300mm wafer-handling task in semiconductor industry. <i>International Journal of Industrial Ergonomics</i> , 2004, 34, 459-466.	1.5	21
38	DEVELOPING FEMALE SIZE CHARTS FOR FACILITATING GARMENT PRODUCTION BY USING DATA MINING. <i>Journal of the Chinese Institute of Industrial Engineers</i> , 2007, 24, 245-251.	0.5	21
39	Motion generation from MTM semantics. <i>Computers in Industry</i> , 2009, 60, 339-348.	5.7	20
40	Biomechanical, physiological and psychophysical evaluations of clean room boots. <i>Ergonomics</i> , 2007, 50, 481-496.	1.1	19
41	Evaluating insole design with joint motion, plantar pressure and rating of perceived exertion measures. <i>Work</i> , 2012, 41, 1114-1117.	0.6	19
42	The influence of gloves during maximum volitional torque exertion of supination. <i>Ergonomics</i> , 1997, 40, 465-475.	1.1	18
43	Two-dimensional object recognition through two-stage string matching. <i>IEEE Transactions on Image Processing</i> , 1999, 8, 978-981.	6.0	18
44	Developing sizing systems using 3D scanning head anthropometric data. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 152, 107264.	2.5	18
45	Physical Discomfort Among Visual Display Terminal Users in a Semiconductor Manufacturing Company: A Study of Prevalence and Relation to Psychosocial and Physical/Ergonomic Factors. <i>AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety</i> , 2003, 64, 276-282.	0.4	17
46	Effects of Chinese character size, number of characters per line, and number of menu items on visual search task on tablet computer displays for different age groups. <i>International Journal of Industrial Ergonomics</i> , 2019, 72, 61-70.	1.5	15
47	Motion generation and virtual simulation in a digital environment. <i>International Journal of Production Research</i> , 2012, 50, 6519-6529.	4.9	14
48	Comparison of foot shape between recreational sprinters and non-habitual exercisers using 3D scanning data. <i>International Journal of Industrial Ergonomics</i> , 2018, 68, 337-343.	1.5	13
49	Baby carriers: a comparison of traditional sling and front-worn, rear-facing harness carriers. <i>Ergonomics</i> , 2017, 60, 111-117.	1.1	12
50	ESTABLISHING A PREDICTION MODEL OF MAXIMAL OXYGEN UPTAKE FOR YOUNG ADULTS IN TAIWAN. <i>Journal of the Chinese Institute of Industrial Engineers</i> , 2002, 19, 1-6.	0.5	10
51	Interactive virtual evaluation for interface design. <i>Human Factors and Ergonomics in Manufacturing</i> , 2007, 17, 485-495.	1.4	10
52	Improving SEM Inspection Performance in Semiconductor Manufacturing Industry. <i>Human Factors and Ergonomics in Manufacturing</i> , 2014, 24, 124-129.	1.4	9
53	Torque Levels, Subjective Discomfort, and Muscle Activity Associated with Four Commercially Available Screwdrivers under Static and Dynamic Work Conditions. <i>Perceptual and Motor Skills</i> , 2006, 102, 291-301.	0.6	7
54	Usability evaluation of monocular optical head-mounted displays on reading tasks. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 14551-14560.	3.3	7

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55	Usability evaluation of augmented reality-based maintenance instruction system. Human Factors and Ergonomics in Manufacturing, 2022, 32, 239-255.	1.4	7
56	The effects of weight levels and gloves on the ability to discriminate weight difference. Ergonomics, 1996, 39, 729-739.	1.1	6
57	COMPARING 3D FOOT SHAPE MODELS BETWEEN TAIWANESE AND JAPANESE FEMALES. Journal of Human Ergology, 2015, 44, 11-20.	0.1	6
58	A NEW EDGE DETECTION METHOD THROUGH TEMPLATE MATCHING. International Journal of Pattern Recognition and Artificial Intelligence, 1994, 08, 899-917.	0.7	5
59	The evaluation of visuospatial performance between screen and paper. Displays, 2015, 39, 26-32.	2.0	5
60	Developing a hand sizing system for a hand exoskeleton device based on the Kansei Engineering method. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 14395-14407.	3.3	5
61	Psychophysical evaluation of diameter and angle of container handles. International Journal of Industrial Ergonomics, 1997, 19, 437-444.	1.5	4
62	Ergonomics interventions for wafer-handling task in semiconductor manufacturing industry. Human Factors and Ergonomics in Manufacturing, 2002, 12, 297-305.	1.4	4
63	Developing a New Foot Shape and Size System for Taiwanese Females. , 2013, , 959-968.		4
64	Approach strategy and working posture in manual hand tool operation. Human Movement Science, 2010, 29, 228-242.	0.6	2
65	Constructing 3D human model from 2D images. , 2010, , .		2
66	The Evaluation of Double-layer Clothing in a Semiconductor Manufacturing Environment. Human Factors and Ergonomics in Manufacturing, 2014, 24, 207-215.	1.4	2
67	A Computer-aided Production System for Mass Customization in Fashion. Scientific Journal of Riga Technical University Computer Sciences, 2011, 43, 104-109.	0.2	2
68	EVALUATING HEIGHT EFFECT ON ISOMETRIC LIFTING CAPABILITY OF YOUNG PEOPLE IN TAIWAN. Journal of the Chinese Institute of Industrial Engineers, 2002, 19, 26-30.	0.5	1
69	Automatic feature extraction from front and side images. , 2008, , .		1
70	Evaluation of Suitable Rest Times for the Use of Optical Head-Mounted Displays. Advances in Intelligent Systems and Computing, 2020, , 34-42.	0.5	1
71	Applying an improved failure mode effect analysis method to evaluate the safety of a three-axis machine tool. Human Factors and Ergonomics in Manufacturing, 2020, 30, 71-82.	1.4	1
72	Ergonomic evaluation and field validation of the insole padding system. Human Factors and Ergonomics in Manufacturing, 0, , .	1.4	1

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73	VDT WORKSTATION PREFERRED SETTINGS: COMPARISON BETWEEN PC AND CAD WORKSTATION FOR TAIWANESE USERS. Journal of the Chinese Institute of Industrial Engineers, 2001, 18, 31-38.	0.5	0
74	THE EFFECTS OF GENDER AND LIFTING BELT ON THE MAXIMUM LIFTING CAPABILITIES OF ONE-LIFT AT DIFFERENT SHIFTS AND ORIENTATIONS. Journal of the Chinese Institute of Industrial Engineers, 2006, 23, 166-173.	0.5	0
75	Foot shape classification using 3D scanning data. , 2012, , .		0
76	Body dimension measurements using a depth camera. , 2015, , 367-371.		0
77	Study of the foot morphology of recreational marathon runners. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2022, 236, 43-52.	0.4	0
78	A comparison of different shoe insoles in gait performance. Advances in Human Factors and Ergonomics Series, 2010, , 733-740.	0.2	0
79	Friendship Display Medium in Response to Academic Major Influences in Visuospatial Abilities. Lecture Notes in Computer Science, 2011, , 166-176.	1.0	0
80	Fitness Evaluation of Military Helmet Pad. Lecture Notes in Computer Science, 2020, , 145-154.	1.0	0