

Waldemar Karwowski

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

206
papers

2,120
citations

24
h-index

39
g-index

235
ext. papers

2,705
ext. citations

2.6
avg, IF

5.55
L-index

#	Paper	IF	Citations
206	Delayed Evacuation after a Disaster Because of Irrational Prediction of the Future Cumulative Precipitation Time Series under Asymmetry of Information. <i>Symmetry</i> , 2022 , 14, 6	2.7	0
205	Diurnal variations of resting-state fMRI data: A graph-based analysis.. <i>NeuroImage</i> , 2022 , 119246	7.9	0
204	The relationships between the use of smart mobile technology, safety knowledge and propensity to follow safe practices at work. <i>International Journal of Occupational Safety and Ergonomics</i> , 2021 , 27, 911-920	2.1	3
203	Irrationality of Attitudes toward Safety under Complexity and Uncertainty Leading to Asymmetry of Information. <i>Symmetry</i> , 2021 , 13, 2111	2.7	0
202	Neural Decoding of EEG Signals with Machine Learning: A Systematic Review. <i>Brain Sciences</i> , 2021 , 11,	3.4	17
201	A Review on Applications of Soft Computing Techniques in Neuroergonomics During the Last Decade. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 37-43	0.4	0
200	On the Root Causes of the Fukushima Daiichi Disaster from the Perspective of High Complexity and Tight Coupling in Large-Scale Systems. <i>Symmetry</i> , 2021 , 13, 414	2.7	4
199	Predicting the Dynamics of the COVID-19 Pandemic in the United States Using Graph Theory-Based Neural Networks. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	7
198	A Study of the Effects of the COVID-19 Pandemic on the Experience of Back Pain Reported on Twitter in the United States: A Natural Language Processing Approach. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	8
197	Sources and Bibliography of Selected Human Factors and Ergonomics Standards 2021 , 735-753		
196	Asymmetry of Authority or Information Underlying Insufficient Communication Associated with a Risk of Crashes or Incidents in Passenger Railway Transportation. <i>Symmetry</i> , 2021 , 13, 803	2.7	2
195	The Chaotic Behavior of the Spread of Infection During the COVID-19 Pandemic in the United States and Globally. <i>IEEE Access</i> , 2021 , 9, 80692-80702	3.5	5
194	Text Guide: Improving the Quality of Long Text Classification by a Text Selection Method Based on Feature Importance. <i>IEEE Access</i> , 2021 , 9, 105439-105450	3.5	1
193	Identifying Diurnal Variability of Brain Connectivity Patterns Using Graph Theory. <i>Brain Sciences</i> , 2021 , 11,	3.4	2
192	Systemic-Structural Activity Theory and Artificial Intelligence. <i>Lecture Notes in Networks and Systems</i> , 2021 , 169-175	0.5	0
191	Development of an Eye-Gaze Input System With High Speed and Accuracy through Target Prediction Based on Homing Eye Movements. <i>IEEE Access</i> , 2021 , 9, 22688-22697	3.5	1
190	Controlling Safety of Artificial Intelligence-Based Systems in Healthcare. <i>Symmetry</i> , 2021 , 13, 102	2.7	5

189	Automated Detection of Leadership Qualities Using Textual Data at the Message Level. <i>IEEE Access</i> , 2021 , 1-1	3.5	1
188	Automated Classification of Evidence of Respect in the Communication through Twitter. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1294	2.6	3
187	Optimizing COVID-19 vaccine distribution across the United States using deterministic and stochastic recurrent neural networks. <i>PLoS ONE</i> , 2021 , 16, e0253925	3.7	1
186	Analysis of Human Behavior by Mining Textual Data: Current Research Topics and Analytical Techniques. <i>Symmetry</i> , 2021 , 13, 1276	2.7	2
185	THE DISCIPLINE OF HUMAN FACTORS AND ERGONOMICS 2021 , 1-37		2
184	HUMAN FACTORS AND ERGONOMICS IN DESIGN OF A 3 : AUTOMATION, AUTONOMY, AND ARTIFICIAL INTELLIGENCE 2021 , 1385-1416		1
183	BASIC BIOMECHANICS AND WORKPLACE DESIGN 2021 , 303-357		1
182	MANAGING LOW-BACK DISORDER RISK IN THE WORKPLACE 2021 , 597-629		
181	HUMAN FACTORS AND ERGONOMICS STANDARDS 2021 , 1305-1350		1
180	The Combination of Artificial Intelligence and Extended Reality: A Systematic Review. <i>Frontiers in Virtual Reality</i> , 2021 , 2,	3	2
179	Revisiting Text Guide, a Truncation Method for Long Text Classification. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8554	2.6	1
178	The seat of happiness? The effect of seat comfort on the achievement of psychological flow during transactional work. <i>Applied Ergonomics</i> , 2021 , 96, 103508	4.2	0
177	Analysis of sentiment in tweets addressed to a single domain-specific Twitter account: Comparison of model performance and explainability of predictions. <i>Expert Systems With Applications</i> , 2021 , 186, 115771	7.8	5
176	Does Sex in Managerial Positions Really Matter? Differences in Work-Related Feelings and Behaviors.. <i>Psychology Research and Behavior Management</i> , 2021 , 14, 2045-2058	3.8	
175	Safety knowledge and safe practices at work: A study of Polish industrial enterprises. <i>Work</i> , 2020 , 65, 349-359	1.6	1
174	Comparing the Quality and Speed of Sentence Classification with Modern Language Models. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3386	2.6	9
173	Application of Structural Equation Modeling (SEM) and an Adaptive Neuro-Fuzzy Inference System (ANFIS) for Assessment of Safety Culture: An Integrated Modeling Approach. <i>Safety</i> , 2020 , 6, 14	1.7	2
172	Assessing safety at work using an adaptive neuro-fuzzy inference system (ANFIS) approach aided by partial least squares structural equation modeling (PLS-SEM). <i>International Journal of Industrial Ergonomics</i> , 2020 , 76, 102925	2.9	10

171	Applications of EEG indices for the quantification of human cognitive performance: A systematic review and bibliometric analysis. <i>PLoS ONE</i> , 2020 , 15, e0242857	3.7	7
170	The scale of Work-Related Affective Feelings (WORAF). <i>Applied Ergonomics</i> , 2020 , 82, 102945	4.2	2
169	The Hospitality Industry in the Face of the COVID-19 Pandemic: Current Topics and Research Methods. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	52
168	Affective and Stress Consequences of Cyberbullying. <i>Symmetry</i> , 2020 , 12, 1536	2.7	3
167	Identification and Prediction of Human Behavior through Mining of Unstructured Textual Data. <i>Symmetry</i> , 2020 , 12, 1902	2.7	5
166	Brain at Work and in Everyday Life as the Next Frontier: Grand Field Challenges for Neuroergonomics. <i>Frontiers in Neuroergonomics</i> , 2020 , 1,	5.3	16
165	Predicting the Volume of Response to Tweets Posted by a Single Twitter Account. <i>Symmetry</i> , 2020 , 12, 1054	2.7	8
164	A System Dynamics Simulation Applied to Healthcare: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	13
163	A Graph Theory-Based Modeling of Functional Brain Connectivity Based on EEG: A Systematic Review in the Context of Neuroergonomics. <i>IEEE Access</i> , 2020 , 8, 155103-155135	3.5	18
162	Assessment of working postures and physical loading in advanced order picking tasks: A case study of human interaction with automated warehouse goods-to-picker systems. <i>Work</i> , 2020 , 67, 855-866	1.6	2
161	Application of soft computing techniques for estimating emotional states expressed in Twitter time series data. <i>Neural Computing and Applications</i> , 2020 , 32, 3535-3548	4.8	6
160	Evidence of Chaos in Human Emotions Expressed in Tweets. <i>Nonlinear Dynamics, Psychology, and Life Sciences</i> , 2020 , 24, 475-497	0.4	1
159	Batch and data streaming classification models for detecting adverse events and understanding the influencing factors. <i>Engineering Applications of Artificial Intelligence</i> , 2019 , 85, 72-84	7.2	4
158	Neuroergonomics Applications of Electroencephalography in Physical Activities: A Systematic Review. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 182	3.3	11
157	Application of Graph Theory for Identifying Connectivity Patterns in Human Brain Networks: A Systematic Review. <i>Frontiers in Neuroscience</i> , 2019 , 13, 585	5.1	150
156	The complexity of human performance variability on watch standing task. <i>Applied Ergonomics</i> , 2019 , 79, 169-177	4.2	6
155	Time Study in Ergonomics and Psychology. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 217-224	0.4	
154	Agile Project Management and Project Success: A Literature Review. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 405-414	0.4	17

153	Computational Methods for Analyzing Functional and Effective Brain Network Connectivity Using fMRI. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 101-112	0.4	
152	Emotional and Stress Responses to Cyberbullying. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 33-43	0.4	2
151	Applications of Fuzzy Cognitive Maps in Human Systems Integration. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 391-399	0.4	
150	A Cellular Automata Model of the Relationship between Adverse Events and Regional Infrastructure Development in an Active War Theater. <i>Technologies</i> , 2019 , 7, 54	2.4	
149	Effects of Chronic Sleep Restriction on the Brain Functional Network, as Revealed by Graph Theory. <i>Frontiers in Neuroscience</i> , 2019 , 13, 1087	5.1	10
148	Detecting Adverse Events in an Active Theater of War Using Advanced Computational Intelligence Techniques. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 914-921	0.4	
147	Simulation-based evaluation of patient appointment policies for a primary care clinic with unscheduled visits: a case study. <i>International Journal of Human Factors Modelling and Simulation</i> , 2019 , 7, 152	1.3	1
146	The Cybernetic Return in Human Factors/Ergonomics (HFE). <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019 , 63, 894-898	0.4	1
145	Assessment of the perceived safety culture in the petrochemical industry in Japan: A cross-sectional study. <i>PLoS ONE</i> , 2019 , 14, e0226416	3.7	2
144	Automatic Lock of Cursor Movement: Implications for an Efficient Eye-Gaze Input Method for Drag and Menu Selection. <i>IEEE Transactions on Human-Machine Systems</i> , 2019 , 49, 259-267	4.1	6
143	Temporal variability in human performance: A systematic literature review. <i>International Journal of Industrial Ergonomics</i> , 2018 , 64, 31-50	2.9	9
142	Enhanced performance for in-vehicle display placed around back mirror by means of tactile warning. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2018 , 58, 605-618	4.5	6
141	Promoting safety mindfulness: Recommendations for the design and use of simulation-based training in radiation therapy. <i>Advances in Radiation Oncology</i> , 2018 , 3, 197-204	3.3	6
140	A fuzzy overlay model for mapping adverse event risk in an active war theatre. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2018 , 1-11	2	4
139	Assessment of Driver's Drowsiness Based on Fractal Dimensional Analysis of Sitting and Back Pressure Measurements. <i>Frontiers in Psychology</i> , 2018 , 9, 2362	3.4	2
138	Detection of error-related negativity in complex visual stimuli: a new neuroergonomic arrow in the practitioner's quiver. <i>Ergonomics</i> , 2017 , 60, 234-240	2.9	9
137	Estimating electromyography responses using an adaptive neuro-fuzzy inference system with subtractive clustering. <i>Human Factors and Ergonomics in Manufacturing</i> , 2017 , 27, 177-186	1.4	1
136	Effects of auditory and tactile warning on response to visual hazards under a noisy environment. <i>Applied Ergonomics</i> , 2017 , 60, 58-67	4.2	14

135	Complexity of occupational health in the hospitality industry: Dynamic simulation modeling to advance immigrant worker health. <i>International Journal of Hospitality Management</i> , 2017 , 67, 95-105	8.3	15
134	Predicting the occurrence of adverse events using an adaptive neuro-fuzzy inference system (ANFIS) approach with the help of ANFIS input selection. <i>Artificial Intelligence Review</i> , 2017 , 48, 139-155	9.7	13
133	A method for predicting the risk of virtual crashes in a simulated driving task using behavioural and subjective drowsiness measures. <i>Ergonomics</i> , 2017 , 60, 714-730	2.9	4
132	A System-of-Systems Framework for Improved Human, Ecologic and Economic Well-Being. <i>Sustainability</i> , 2017 , 9, 616	3.6	2
131	Empathy and Modern Technology: A Neuroergonomics Perspective. <i>Human Factors and Ergonomics in Manufacturing</i> , 2016 , 26, 266-284	1.4	1
130	Application of Evolving Self-Organizing Maps for Analysis of Human Adverse Events in the Context of Complex Socioeconomic Infrastructure Interactions. <i>IEEE Transactions on Human-Machine Systems</i> , 2015 , 45, 500-509	4.1	2
129	Fuzzy Inference Modeling with the Help of Fuzzy Clustering for Predicting the Occurrence of Adverse Events in an Active Theater of War. <i>Applied Artificial Intelligence</i> , 2015 , 29, 945-961	2.3	11
128	Application of Standardized Motions in Temporal Analysis of Work Activity. <i>Human Factors and Ergonomics in Manufacturing</i> , 2015 , 25, 469-483	1.4	3
127	A framework for simulation-based task analysis - The development of a universal task analysis simulation model 2015 ,		1
126	Understanding Patterns of Infrastructure Development in the Active War Theater of Afghanistan Over the Period 2002-2010. <i>Procedia Manufacturing</i> , 2015 , 3, 3876-3882	1.5	2
125	A nonlinear dynamics of trunk kinematics during manual lifting tasks. <i>Work</i> , 2015 , 51, 423-37	1.6	4
124	Influence of Cognitive Biases in Distorting Decision Making and Leading to Critical Unfavorable Incidents. <i>Safety</i> , 2015 , 1, 44-58	1.7	27
123	Assessing the Relationship between Economic Factors and Adverse Events in an Active War Theater Using Fuzzy Inference System Approach. <i>International Journal of Machine Learning and Computing</i> , 2015 , 5, 252-257	1.8	7
122	NAE Grand Challenges for Engineering in the 21st Century: Implications for industrial and systems engineering. <i>Qscience Proceedings</i> , 2015 , 2015, 24		
121	Investigating the relationship between adverse events and infrastructure development in an active war theater using soft computing techniques. <i>Applied Soft Computing Journal</i> , 2014 , 25, 204-214	7.5	12
120	Psychophysical basis for maximum pushing and pulling forces: A review and recommendations. <i>International Journal of Industrial Ergonomics</i> , 2014 , 44, 281-291	2.9	28
119	A system-of-systems engineering approach to leadership and innovation: Sustainable STEM education and workforce development through the Smart Cities initiative. <i>Qscience Proceedings</i> , 2014 , 2014, 12		4
118	Managing Performance Complexity and Manpower Sustainability with Systems Engineering. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013 , 57, 1066-1070	0.4	

117	A review of human factors challenges of complex adaptive systems: discovering and understanding chaos in human performance. <i>Human Factors</i> , 2012 , 54, 983-95	3.8	70
116	Knowledge Discovery Through Experiential Learning From Business and Other Contemporary Data Sources: A Review and Reappraisal. <i>Information Systems Management</i> , 2011 , 28, 258-274	3.1	7
115	User-centered Systems Engineering & Knowledge Management Framework for Design & Modeling of Future Smart Cities. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2010 , 54, 1752-1756	0.4	2
114	User-centered systems engineering approach to design and modeling of smarter products 2010 ,		6
113	Burnout syndrome as a mediator for the effect of work-related factors on musculoskeletal complaints among hospital nurses. <i>International Journal of Industrial Ergonomics</i> , 2010 , 40, 368-375	2.9	43
112	Estimating intrinsic dimensionality using the multi-criteria decision weighted model and the average standard estimator. <i>Information Sciences</i> , 2010 , 180, 2845-2855	7.7	6
111	Interactive Management of Human Factors Knowledge for Human Systems Integration Using Systems Modeling Language. <i>Information Systems Management</i> , 2009 , 26, 262-274	3.1	16
110	Nonlinear behavior of the center of pressure in simulated standing on elevated construction beams. <i>Work</i> , 2009 , 34, 195-203	1.6	4
109	Application of Systemic-Structural Theory of Activity in the Development of Predictive Models of User Performance. <i>International Journal of Human-Computer Interaction</i> , 2008 , 24, 239-274	3.6	5
108	A roadmap for a methodology to assess, improve and sustain intra- and inter-enterprise system performance with respect to technology-product life cycle in small and medium manufacturers. <i>Human Factors and Ergonomics in Manufacturing</i> , 2008 , 18, 70-84	1.4	3
107	Research to practice: Effectiveness of controlled workplace interventions to reduce musculoskeletal disorders in the manufacturing environment—critical appraisal and meta-analysis. <i>Human Factors and Ergonomics in Manufacturing</i> , 2008 , 18, 93-124	1.4	12
106	Effect of forklift operation on lower back pain: An evidence-based approach. <i>Human Factors and Ergonomics in Manufacturing</i> , 2008 , 18, 125-151	1.4	5
105	Factors affecting healthcare costs in manufacturing. <i>Human Factors and Ergonomics in Manufacturing</i> , 2008 , 18, 199-211	1.4	2
104	Interventions in the construction industry: A systematic review and critical appraisal. <i>Human Factors and Ergonomics in Manufacturing</i> , 2008 , 18, 212-229	1.4	10
103	Health effects of nanomaterials: A critical appraisal approach and research to practice. <i>Human Factors and Ergonomics in Manufacturing</i> , 2008 , 18, 293-341	1.4	6
102	A critical appraisal of epidemiological studies investigating the effects of ultrafine particles on human health. <i>Human Factors and Ergonomics in Manufacturing</i> , 2008 , 18, 358-373	1.4	8
101	Identification of Key Variables Using Fuzzy Average With Fuzzy Cluster Distribution. <i>IEEE Transactions on Fuzzy Systems</i> , 2007 , 15, 673-685	8.3	21
100	The work compatibility improvement framework: Defining and measuring the human-at-work system. <i>Human Factors and Ergonomics in Manufacturing</i> , 2007 , 17, 163-226	1.4	8

99	A comparison of three observational techniques for assessing postural loads in industry. <i>International Journal of Occupational Safety and Ergonomics</i> , 2007 , 13, 3-14	2.1	115
98	The effects of lifting instructions on the psychophysically selected lifting load limits: A need for reappraisal. <i>Occupational Ergonomics</i> , 2007 , 7, 43-51		
97	Effects of three keyboard designs on wrist and forearm postures and typing task performance. <i>Occupational Ergonomics</i> , 2007 , 7, 115-123		1
96	Nanotechnology occupational and environmental health and safety: Education and research needs for an emerging interdisciplinary field of study. <i>Human Factors and Ergonomics in Manufacturing</i> , 2006 , 16, 247-253	1.4	7
95	Knowledge management for occupational safety, health, and ergonomics. <i>Human Factors and Ergonomics in Manufacturing</i> , 2006 , 16, 309-319	1.4	41
94	The nano enterprise: A survey of health and safety concerns, considerations, and proposed improvement strategies to reduce potential adverse effects. <i>Human Factors and Ergonomics in Manufacturing</i> , 2006 , 16, 343-368	1.4	9
93	The emerging field of health engineering. <i>Theoretical Issues in Ergonomics Science</i> , 2006 , 7, 169-179	2.2	1
92	The self-regulation concept of motivation at work. <i>Theoretical Issues in Ergonomics Science</i> , 2006 , 7, 413-436		6
91	The Discipline of Ergonomics and Human Factors 2006 , 1-31		27
90	Manual Materials Handling 2006 , 818-854		2
89	Human Factors and Ergonomics Standards 2006 , 1485-1516		2
88	Work-Related Upper Extremity Musculoskeletal Disorders 2006 , 855-888		
87	Theoretical and experimental evaluation of the multiplicative lifting equation and the general lifting index. <i>Occupational Ergonomics</i> , 2006 , 6, 13-24		2
86	Measurement of management efforts with respect to integration of quality, safety, and ergonomics issues in manufacturing industry. <i>Human Factors and Ergonomics in Manufacturing</i> , 2005 , 15, 213-232	1.4	7
85	Technical note: Objective and subjective rankings of scientific journals in the field of ergonomics: 2004-2005. <i>Human Factors and Ergonomics in Manufacturing</i> , 2005 , 15, 327-332	1.4	15
84	Relationship between risk factors and musculoskeletal disorders in the nursing profession: A systematic review. <i>Occupational Ergonomics</i> , 2005 , 4, 241-279		46
83	Classification of jobs with risk of low back disorders by applying data mining techniques. <i>Occupational Ergonomics</i> , 2005 , 4, 291-305		13
82	Self-evaluation of biomechanical task demands, work environment and perceived risk of injury by nurses: A field study. <i>Occupational Ergonomics</i> , 2005 , 5, 13-27		11

81	Nonlinear Behavior of Muscle Responses for Four Static Postures Observed at Work. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2004 , 48, 1285-1289	0.4	1
80	The situational reflection of reality in activity theory and the concept of situation awareness in cognitive psychology. <i>Theoretical Issues in Ergonomics Science</i> , 2004 , 5, 275-296	2.2	13
79	Improving performance and quality of working life: A model for organizational health assessment in emerging enterprises. <i>Human Factors and Ergonomics in Manufacturing</i> , 2004 , 14, 81-95	1.4	28
78	Human performance in lean production environment: Critical assessment and research framework. <i>Human Factors and Ergonomics in Manufacturing</i> , 2003 , 13, 317-330	1.4	69
77	Physical neuroergonomics: The human brain in control of physical work activities. <i>Theoretical Issues in Ergonomics Science</i> , 2003 , 4, 175-199	2.2	24
76	Is Chaos Present in Static Postures Observed at Work: A Nonlinear Dynamics-Based Analysis of Surface EMG Signals. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2003 , 47, 1193-1197	0.4	1
75	Estimation of EMG Activity of Trunk Muscles in Manual Lifting Tasks Based on Trunk Dynamics Using the Fuzzy Relational Rule Network. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2003 , 47, 1208-1212	0.4	
74	Task parameters affecting human physical ability and willingness to lift: An ecological approach. <i>Occupational Ergonomics</i> , 2003 , 3, 109-119		1
73	An expert cognitive approach to evaluate physical effort and injury risk in manual lifting: A brief report of a pilot study. <i>Human Factors and Ergonomics in Manufacturing</i> , 2002 , 12, 227-234	1.4	14
72	Methodological Approaches to Research on Musculoskeletal Complaints and Injuries. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2002 , 46, 1032-1036	0.4	
71	A methodology for systemic-structural analysis and design of manual-based manufacturing operations. <i>Human Factors and Ergonomics in Manufacturing</i> , 2001 , 11, 233-253	1.4	10
70	A heart rate evaluation approach to determine cost-effectiveness an ergonomics intervention. <i>International Journal of Occupational Safety and Ergonomics</i> , 2001 , 7, 121-33	2.1	6
69	Comparison of Perceived Discomfort for Static Joint Motions between Male and Female Subjects. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2001 , 45, 1151-1155	0.4	
68	The boundaries for joint angles of isocomfort for sitting and standing males based on perceived comfort of static joint postures. <i>Ergonomics</i> , 2001 , 44, 614-48	2.9	51
67	Intelligent Macroergonomics Approach for Evaluation of Integrated Manufacturing, Organization, Human Resources, and Information Systems. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2000 , 44, 2-582-2-585	0.4	
66	A classification system for characterization of physical and non-physical work factors. <i>International Journal of Occupational Safety and Ergonomics</i> , 2000 , 6, 535-55	2.1	10
65	Evaluation of Body Joint Motion Stressfulness Based on Perceived Discomfort. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2000 , 44, 5-595-5-595	0.4	
64	A Neuro-Fuzzy Model for Predicting EMG of Trunk Muscles Based on Lifting Task Variables. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2000 , 44, 276-279	0.4	1

63	Cognitive Ergonomics; Requisite Compatibility, Fuzziness and Nonlinear Dynamics. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2000 , 44, 580-583	0.4	10
62	Principles of work system performance optimization: A business ergonomics approach. <i>Human Factors and Ergonomics in Manufacturing</i> , 1999 , 9, 105-128	1.4	17
61	Load heaviness and perceived weight lifted: Implications of human cognition for setting design limits in manual lifting tasks. <i>Occupational Ergonomics</i> , 1998 , 1, 291-303		1
60	A comprehensive lifting model: beyond the NIOSH lifting equation. <i>Ergonomics</i> , 1997 , 40, 916-27	2.9	32
59	Intelligent Neural Network Based Decision Unit for Robot Safety. <i>Journal of Intelligent and Fuzzy Systems</i> , 1996 , 4, 177-191	1.6	2
58	Causes and safety effects of production disturbances in FMS installations: A comparison of field survey studies in the USA and Finland. <i>International Journal of Human Factors in Manufacturing</i> , 1996 , 6, 57-72		11
57	Automated tuning of an electronic circuit board using the artificial neural network approach. <i>Journal of Intelligent Manufacturing</i> , 1996 , 7, 329-339	6.7	2
56	Analysis of self-reported accidents attributed to advanced manufacturing systems. <i>International Journal of Human Factors in Manufacturing</i> , 1995 , 5, 251-266		14
55	A cross-validation of the NIOSH limits for manual lifting. <i>Ergonomics</i> , 1995 , 38, 2455-64	2.9	17
54	Applications of fuzzy-based linguistic patterns for the assessment of computer screen design quality. <i>International Journal of Human-Computer Interaction</i> , 1995 , 7, 193-212	3.6	6
53	Aggregation of Evidence in a Fuzzy Knowledge-Based Method for Automated Tuning of Microwave Electric Circuits. <i>Journal of Intelligent and Fuzzy Systems</i> , 1994 , 2, 299-313	1.6	1
52	The effects of computer interface design on human postural dynamics. <i>Ergonomics</i> , 1994 , 37, 703-24	2.9	31
51	The effects of neutral posture deviations on perceived joint discomfort ratings in sitting and standing postures. <i>Ergonomics</i> , 1993 , 36, 785-92	2.9	73
50	STATUS IN HUMAN STRENGTH RESEARCH AND APPLICATION. <i>IIE Transactions</i> , 1993 , 25, 57-69		68
49	Muscular loading and subjective ratings of muscular tension by novices when typing with standard and split-design computer keyboards. <i>International Journal of Human-Computer Interaction</i> , 1992 , 4, 387-394	3.6	11
48	The Human World of Fuzziness, Human Entropy and General Fuzzy Systems Theory. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , 1992 , 4, 825-841		19
47	ITONUS: Expert system for machining on a lathe. <i>Journal of Intelligent Manufacturing</i> , 1991 , 2, 353-363	6.7	2
46	Complexity, fuzziness, and ergonomic incompatibility issues in the control of dynamic work environments. <i>Ergonomics</i> , 1991 , 34, 671-686	2.9	42

45	Worker selection of safe speed and idle condition in simulated monitoring of two industrial robots. <i>Ergonomics</i> , 1991 , 34, 531-46	2.9	20
44	Psychophysical acceptability and perception of load heaviness by females. <i>Ergonomics</i> , 1991 , 34, 487-96	2.9	22
43	Human perception of robot safe speed and idle time. <i>Behaviour and Information Technology</i> , 1990 , 9, 381-389	2.4	14
42	Mental fatigue at work and pain perception. <i>Work and Stress</i> , 1988 , 2, 133-137	6.1	11
41	Testing of isometric and isokinetic lifting strengths of untrained females in teamwork. <i>Ergonomics</i> , 1988 , 31, 291-301	2.9	25
40	Fuzzy concepts in production management research: a review. <i>International Journal of Production Research</i> , 1986 , 24, 129-147	7.8	47
39	Reliability of the psychophysical approach to manual lifting of liquids by females. <i>Ergonomics</i> , 1986 , 29, 237-48	2.9	60
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