

Dan HÃ¶gberg

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

397
citations

1040056

9
h-index

839539

18
g-index

60
all docs

60
docs citations

60
times ranked

255
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of poor assembly ergonomics on product quality: A cost-benefit analysis in car manufacturing. <i>Human Factors and Ergonomics in Manufacturing</i> , 2010, 20, 24-41.	2.7	86
2	Guide and documentation system to support digital human modeling applications. <i>International Journal of Industrial Ergonomics</i> , 2006, 36, 17-24.	2.6	35
3	Creating and shaping the DHM tool IMMA for ergonomic product and production design. <i>International Journal of the Digital Human</i> , 2016, 1, 132.	0.1	22
4	Ergonomics analysis in a virtual environment. <i>International Journal of Manufacturing Research</i> , 2007, 2, 198.	0.2	20
5	Description of boundary case methodology for anthropometric diversity consideration. <i>International Journal of Human Factors Modelling and Simulation</i> , 2012, 3, 204.	0.2	17
6	Using a formal high-level language and an automated manikin to automatically generate assembly instructions. <i>International Journal of Human Factors Modelling and Simulation</i> , 2014, 4, 233.	0.2	16
7	Industrial customisation of digital human modelling tools. <i>International Journal of Services Operations and Informatics</i> , 2008, 3, 53.	0.3	14
8	Industrial Path Solutions – Intelligently Moving Manikins. , 2019, , 115-124.		13
9	Digital human modelling for user-centred vehicle design and anthropometric analysis. <i>International Journal of Vehicle Design</i> , 2009, 51, 306.	0.3	11
10	Using Mobile Information Sources to Increase Productivity and Quality. <i>Advances in Human Factors and Ergonomics Series</i> , 2010, , 450-459.	0.2	11
11	Applying cognitive science to digital human modelling for user centred design. <i>International Journal of Human Factors Modelling and Simulation</i> , 2012, 3, 90.	0.2	9
12	Implementation of Suitable Comfort Model for Posture and Motion Prediction in DHM Supported Vehicle Design. <i>Procedia Manufacturing</i> , 2015, 3, 3753-3758.	1.9	9
13	Adaptive regression model for synthesizing anthropometric population data. <i>International Journal of Industrial Ergonomics</i> , 2017, 59, 46-53.	2.6	9
14	Optimization of Productivity and Worker Well-Being by Using a Multi-Objective Optimization Framework. <i>IISE Transactions on Occupational Ergonomics and Human Factors</i> , 2021, 9, 143-153.	0.8	9
15	Generation and evaluation of distributed cases by clustering of diverse anthropometric data. <i>International Journal of Human Factors Modelling and Simulation</i> , 2016, 5, 210.	0.2	8
16	Prevention of Work-Related Musculoskeletal Disorders Using Smart Workwear – The Smart Workwear Consortium. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 477-483.	0.6	8
17	Using experimental design to define boundary manikins. <i>Work</i> , 2012, 41, 4598-4605.	1.1	7
18	Simulation of Human-Vehicle Interaction in Vehicle Design at Saab Automobile: Present and Future. , 2003, , .		6

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19	HADRIAN: Fitting Trials by Digital Human Modelling. Lecture Notes in Computer Science, 2009, , 673-680.	1.3	6
20	The effect of information mobility on production quality. International Journal of Computer Integrated Manufacturing, 2014, 27, 120-128.	4.6	5
21	Supporting Attention in Manual Assembly and its Influence on Quality. Advances in Human Factors and Ergonomics Series, 2010, , 460-469.	0.2	5
22	Increasing Functionality of DHM Software by Industry Specific Program Features. , 2009, , .		4
23	Digital test assembly of truck parts with the IMMA-tool - an illustrative case. Work, 2012, 41, 2248-2252.	1.1	4
24	Current Trends in Research and Application of Digital Human Modeling. Lecture Notes in Networks and Systems, 2022, , 358-366.	0.7	4
25	DHM Based Test Procedure Concept for Proactive Ergonomics Assessments in the Vehicle Interior Design Process. Advances in Intelligent Systems and Computing, 2019, , 314-323.	0.6	4
26	Application of Human Modelling in Health Care Industry. Lecture Notes in Computer Science, 2009, , 521-530.	1.3	4
27	Development and evaluation of an anthropometric module for digital human modelling systems. International Journal of Human Factors Modelling and Simulation, 2019, 7, 47.	0.2	3
28	Use of Anthropometric Measures and Digital Human Modelling Tools for Product and Workplace Design. , 2012, , 3015-3034.		3
29	Motion Behavior and Range of Motion when Using Exoskeletons in Manual Assembly Tasks. Advances in Transdisciplinary Engineering, 2020, , .	0.1	3
30	Predefined Manikins to Support Consideration of Anthropometric Diversity by Product Designers. Lecture Notes in Computer Science, 2007, , 110-119.	1.3	3
31	Incorporating Cognitive Aspects in Digital Human Modeling. Lecture Notes in Computer Science, 2009, , 323-332.	1.3	3
32	Using Virtual Reality and Smart Textiles to Assess the Design of Workstations. Advances in Transdisciplinary Engineering, 2020, , .	0.1	3
33	Digital Human Modelling: Inclusive Design and the Ageing Population. Studies in Computational Intelligence, 2022, , 73-96.	0.9	3
34	Enabling Knowledge Discovery in Multi-Objective Optimizations of Worker Well-Being and Productivity. Sustainability, 2022, 14, 4894.	3.2	3
35	Accommodation Levels for Ellipsoid Versus Cuboid Defined Boundary Cases. Procedia Manufacturing, 2015, 3, 3702-3708.	1.9	2
36	Multi-objective Optimization of Ergonomics and Productivity by Using an Optimization Framework. Lecture Notes in Networks and Systems, 2022, , 374-378.	0.7	2

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37	Possibilities and Challenges for Proactive Manufacturing Ergonomics. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 11-20.	0.6	2
38	Evaluating a Digital Twin Concept for an Automatic Up-to-Date Factory Layout Setup. <i>Advances in Transdisciplinary Engineering</i> , 2022, , .	0.1	2
39	Use of finite element method in trailer deck design. <i>Journal of Materials Processing Technology</i> , 2001, 117, 238-243.	6.3	1
40	Early Risk Identification and Cost-Benefit Analyses through Ergonomics Simulation. , 2009, , .		1
41	Adaptive regression model for prediction of anthropometric data. <i>International Journal of Human Factors Modelling and Simulation</i> , 2017, 5, 285.	0.2	1
42	Application of Multi-objective Optimization on Ergonomics in Production – A Case Study. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 584-594.	0.6	1
43	A Framework to Model the Use of Exoskeletons in DHM Tools. <i>Lecture Notes in Networks and Systems</i> , 2021, , 312-319.	0.7	1
44	Anthropometrics and Ergonomics Assessment in the IMMA Manikin. <i>Advances in Human Factors and Ergonomics Series</i> , 2010, , 139-144.	0.2	1
45	Concept of Formalized Test Procedure for Proactive Assessment of Ergonomic Value by Digital Human Modelling Tools in Lean Product Development. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 425-436.	0.6	1
46	The Schematization of XR Technologies in the Context of Collaborative Design. <i>Advances in Transdisciplinary Engineering</i> , 2022, , .	0.1	1
47	Use of characters and scenarios in gear shift design. , 2003, , .		0
48	Generation and evaluation of distributed cases by clustering of diverse anthropometric data. <i>International Journal of Human Factors Modelling and Simulation</i> , 2016, 5, 210.	0.2	0
49	Adaptive regression model for prediction of anthropometric data. <i>International Journal of Human Factors Modelling and Simulation</i> , 2017, 5, 285.	0.2	0
50	Ergonomic risk assessment in DHM tools employing motion data - exposure calculation and comparison to epidemiological reference data. <i>International Journal of Human Factors Modelling and Simulation</i> , 2018, 6, 31.	0.2	0
51	Second Cycle Education Program in Virtual Ergonomics and Design. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 1058-1065.	0.6	0
52	Development and evaluation of an anthropometric module for digital human modelling systems. <i>International Journal of Human Factors Modelling and Simulation</i> , 2019, 7, 47.	0.2	0
53	Optimizing Ergonomics and Productivity by Connecting Digital Human Modeling and Production Flow Simulation Software. <i>Advances in Transdisciplinary Engineering</i> , 2020, , .	0.1	0
54	Statistical Posture Prediction of Vehicle Occupants in Digital Human Modelling Tools. <i>Lecture Notes in Computer Science</i> , 2020, , 3-17.	1.3	0

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55	Optimization of Productivity and Worker Well-Being by Using a Multi-Objective Optimization Framework. IISE Transactions on Occupational Ergonomics and Human Factors, 2021, , 1-11.	0.8	0
56	Integrating Physical Load Exposure Calculations and Recommendations in Digitalized Ergonomics Assessment Processes. Advances in Transdisciplinary Engineering, 2022, , .	0.1	0
57	Enabling Concurrent Multi-Objective Optimization of Worker Well-Being and Productivity in DHM Tools. Advances in Transdisciplinary Engineering, 2022, , .	0.1	0