Dan HÃ¶gberg

List of Publications by Year
in descending order

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	Current Trends in Research and Application of Digital Human Modeling. Lecture Notes in Networks and Systems, 2022, , 358-366.	0.7	4
2	Multi-objective Optimization of Ergonomics and Productivity by Using an Optimization Framework. Lecture Notes in Networks and Systems, 2022, , 374-378.	0.7	2
3	Digital Human Modelling: Inclusive Design and the Ageing Population. Studies in Computational Intelligence, 2022, , 73-96.	0.9	3
4	Integrating Physical Load Exposure Calculations and Recommendations in Digitalized Ergonomics Assessment Processes. Advances in Transdisciplinary Engineering, 2022, , .	0.1	0
5	Enabling Knowledge Discovery in Multi-Objective Optimizations of Worker Well-Being and Productivity. Sustainability, 2022, 14, 4894.	3.2	3
6	Enabling Concurrent Multi-Objective Optimization of Worker Well-Being and Productivity in DHM Tools. Advances in Transdisciplinary Engineering, 2022, , .	0.1	0
7	Evaluating a Digital Twin Concept for an Automatic Up-to-Date Factory Layout Setup. Advances in Transdisciplinary Engineering, 2022, , .	0.1	2
8	The Schematization of XR Technologies in the Context of Collaborative Design. Advances in Transdisciplinary Engineering, 2022, , .	0.1	1
9	A Framework to Model the Use of Exoskeletons in DHM Tools. Lecture Notes in Networks and Systems, 2021, , 312-319.	0.7	1
10	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
11	Optimization of Productivity and Worker Well-Being by Using a Multi-Objective Optimization Framework. IISE Transactions on Occupational Ergonomics and Human Factors, 2021, 9, 143-153.	0.8	9
12	Application of Multi-objective Optimization on Ergonomics in Production â€“ A Case Study. Advances in Intelligent Systems and Computing, 2020, , 584-594.	0.6	1
13	Motion Behavior and Range of Motion when Using Exoskeletons in Manual Assembly Tasks. Advances in Transdisciplinary Engineering, 2020, , .	0.1	3
14	Using Virtual Reality and Smart Textiles to Assess the Design of Workstations. Advances in Transdisciplinary Engineering, 2020, , .	0.1	3
15	Optimizing Ergonomics and Productivity by Connecting Digital Human Modeling and Production Flow Simulation Software. Advances in Transdisciplinary Engineering, 2020, , .	0.1	0
16	Statistical Posture Prediction of Vehicle Occupants in Digital Human Modelling Tools. Lecture Notes in Computer Science, 2020, , 3-17.	1.3	0
17	Industrial Path Solutions â€“ Intelligently Moving Manikins. , 2019, , 115-124.		13
18	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

#	Article	IF	Citations
19	Prevention of Work: Related Musculoskeletal Disorders Using Smart Workwear â€“ The Smart Workwear Consortium. Advances in Intelligent Systems and Computing, 2019, , 477-483.	0.6	8
20	Possibilities and Challenges for Proactive Manufacturing Ergonomics. Advances in Intelligent Systems and Computing, 2019, , 11-20.	0.6	2
21	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
22	Second Cycle Education Program in Virtual Ergonomics and Design. Advances in Intelligent Systems and Computing, 2019, , 1058-1065.	0.6	0
23	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	0
24	Concept of Formalized Test Procedure for Proactive Assessment of Ergonomic Value by Digital Human Modelling Tools in Lean Product Development. Advances in Intelligent Systems and Computing, 2018, , 425-436.	0.6	1
25	Ergonomic risk assessment in DHM tools employing motion data - exposure calculation and comparison to epidemiological reference data. International Journal of Human Factors Modelling and Simulation, 2018, 6, 31.	0.2	0
26	Adaptive regression model for synthesizing anthropometric population data. International Journal of Industrial Ergonomics, 2017, 59, 46-53.	2.6	9
27	Adaptive regression model for prediction of anthropometric data. International Journal of Human Factors Modelling and Simulation, 2017, 5, 285.	0.2	1
28	Adaptive regression model for prediction of anthropometric data. International Journal of Human Factors Modelling and Simulation, 2017, 5, 285.	0.2	0
29	Creating and shaping the DHM tool IMMA for ergonomic product and production design. International Journal of the Digital Human, 2016, 1, 132.	0.1	22
30	Generation and evaluation of distributed cases by clustering of diverse anthropometric data. International Journal of Human Factors Modelling and Simulation, 2016, 5, 210.	0.2	8
31	Generation and evaluation of distributed cases by clustering of diverse anthropometric data. International Journal of Human Factors Modelling and Simulation, 2016, 5, 210.	0.2	0
32	Implementation of Suitable Comfort Model for Posture and Motion Prediction in DHM Supported Vehicle Design. Procedia Manufacturing, 2015, 3, 3753-3758.	1.9	9
33	Accommodation Levels for Ellipsoid Versus Cuboid Defined Boundary Cases. Procedia Manufacturing, 2015, 3, 3702-3708.	1.9	2
34	Using a formal high-level language and an automated manikin to automatically generate assembly instructions. International Journal of Human Factors Modelling and Simulation, 2014, 4, 233.	0.2	16
35	The effect of information mobility on production quality. International Journal of Computer Integrated Manufacturing, 2014, 27, 120-128.	4.6	5
36	Applying cognitive science to digital human modelling for user centred design. International Journal of Human Factors Modelling and Simulation, 2012, 3, 90.	0.2	9

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37	Description of boundary case methodology for anthropometric diversity consideration. International Journal of Human Factors Modelling and Simulation, 2012, 3, 204.	0.2	17
38	Using experimental design to define boundary manikins. Work, 2012, 41, 4598-4605.	1.1	7
39	Digital test assembly of truck parts with the IMMA-tool - an illustrative case. Work, 2012, 41, 2248-2252.	1.1	4
40	Use of Anthropometric Measures and Digital Human Modelling Tools for Product and Workplace Design. , 2012, , 3015-3034.		3
41	The impact of poor assembly ergonomics on product quality: A costâ€“benefit analysis in car manufacturing. Human Factors and Ergonomics in Manufacturing, 2010, 20, 24-41.	2.7	86
42	Using Mobile Information Sources to Increase Productivity and Quality. Advances in Human Factors and Ergonomics Series, 2010, , 450-459.	0.2	11
43	Supporting Attention in Manual Assembly and its Influence on Quality. Advances in Human Factors and Ergonomics Series, 2010, , 460-469.	0.2	5
44	Anthropometrics and Ergonomics Assessment in the IMMA Manikin. Advances in Human Factors and Ergonomics Series, 2010, , 139-144.	0.2	1
45	Increasing Functionality of DHM Software by Industry Specific Program Features. , 2009, , .		4
46	Early Risk Identification and Cost-Benefit Analyses through Ergonomics Simulation. , 2009, , .		1
47	Digital human modelling for user-centred vehicle design and anthropometric analysis. International Journal of Vehicle Design, 2009, 51, 306.	0.3	11
48	Application of Human Modelling in Health Care Industry. Lecture Notes in Computer Science, 2009, , 521-530.	1.3	4
49	HADRIAN: Fitting Trials by Digital Human Modelling. Lecture Notes in Computer Science, 2009, , 673-680.	1.3	6
50	Incorporating Cognitive Aspects in Digital Human Modeling. Lecture Notes in Computer Science, 2009, , 323-332.	1.3	3
51	Industrial customisation of digital human modelling tools. International Journal of Services Operations and Informatics, 2008, 3, 53.	0.3	14
52	Ergonomics analysis in a virtual environment. International Journal of Manufacturing Research, 2007, 2, 198.	0.2	20
53	Predefined Manikins to Support Consideration of Anthropometric Diversity by Product Designers. Lecture Notes in Computer Science, 2007, , 110-119.	1.3	3
54	Guide and documentation system to support digital human modeling applications. International Journal of Industrial Ergonomics, 2006, 36, 17-24.	2.6	35

#	ARTICLE	IF	CITATIONS
55	Use of characters and scenarios in gear shift design. , 2003, , .		0
56	Simulation of Human-Vehicle Interaction in Vehicle Design at Saab Automobile: Present and Future. , 2003, , .		6
57	Use of finite element method in trailer deck design. Journal of Materials Processing Technology, 2001, 117, 238-243.	6.3	1