

# Sandra M Mattsson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1770186/publications.pdf>

Version: 2024-02-01

21  
papers

308  
citations

840776

11  
h-index

888059

17  
g-index

21  
all docs

21  
docs citations

21  
times ranked

260  
citing authors

#	ARTICLE	IF	CITATIONS
1	Forming a cognitive automation strategy for Operator 4.0 in complex assembly. Computers and Industrial Engineering, 2020, 139, 105360.	6.3	43
2	Perceived production complexity â€“ understanding more than parts of a system. International Journal of Production Research, 2016, 54, 6008-6016.	7.5	42
3	Digitalizing Occupational Health, Safety and Productivity for the Operator 4.0. IFIP Advances in Information and Communication Technology, 2018, , 473-481.	0.7	36
4	Testing Complexity Index â€“ a Method for Measuring Perceived Production Complexity. Procedia CIRP, 2012, 3, 394-399.	1.9	24
5	Managing Production Complexity by Empowering Workers: Six Cases. Procedia CIRP, 2014, 17, 212-217.	1.9	21
6	Comparing quantifiable methods to measure complexity in assembly. International Journal of Manufacturing Research, 2014, 9, 112.	0.2	21
7	Effects of Information Content in Work Instructions for Operator Performance. Procedia Manufacturing, 2018, 25, 628-635.	1.9	18
8	Multi-variant Truck Production - Product Variety and its Impact on Production Quality in Manual Assembly. Procedia CIRP, 2016, 54, 245-250.	1.9	17
9	Assessment of manual assembly complexity: a theoretical and empirical comparison of two methods. International Journal of Production Research, 2017, 55, 7237-7250.	7.5	14
10	Validation of the complexity index method at three manufacturing companies. , 2013, , .		13
11	Could the use of ICT tools be the way to increase competitiveness in Swedish industry?. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 179-186.	0.4	13
12	Assessing Operator Wellbeing through Physiological Measurements in Real-Timeâ€”Towards Industrial Application. Technologies, 2017, 5, 61.	5.1	13
13	Design concept towards a human-centered learning factory. Procedia Manufacturing, 2018, 25, 526-534.	1.9	9
14	Understanding disturbance handling in complex assembly: analysis of complexity index method results. Procedia Manufacturing, 2018, 25, 213-222.	1.9	7
15	Testing Operator Support Tools for a Global Production Strategy. Procedia CIRP, 2016, 44, 120-125.	1.9	6
16	Measuring Operator Emotion Objectively at a Complex Final Assembly Station. Advances in Intelligent Systems and Computing, 2017, , 223-232.	0.6	3
17	A Relationship Between Operator Performance and Arousal in Assembly. Procedia CIRP, 2016, 44, 32-37.	1.9	2
18	The Comparison Study of Different Operator Support Tools for Assembly Task in the Era of Global Production. Procedia Manufacturing, 2017, 11, 1271-1278.	1.9	2

#	ARTICLE	IF	CITATIONS
19	Using the compleXity index for improvement work: investigating utilisation in an automotive company. International Journal of Manufacturing Research, 2020, 15, 3.	0.2	2
20	Development of production cells with regard to physical and cognitive automation: A decade of evolution. , 2011, , .		1
21	Using Usability to Measure Interaction in Final Assembly. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 64-69.	0.4	1