

# Marcus Sandberg

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3688126/publications.pdf>

Version: 2024-02-01

17  
papers

208  
citations

1307594

7  
h-index

1281871

11  
g-index

17  
all docs

17  
docs citations

17  
times ranked

171  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Product Life-cycle Simulation Model for Cost Estimation in Conceptual Design of Jet Engine Components. Concurrent Engineering Research and Applications, 2005, 13, 331-342.	3.2	44
2	Multidisciplinary Optimization of Life-Cycle Energy and Cost Using a BIM-Based Master Model. Sustainability, 2019, 11, 286.	3.2	35
3	A study of a plan-do-check-act method used in less industrialized activities: two cases from industrialized housebuilding. Construction Management and Economics, 2014, 32, 109-125.	3.0	27
4	A knowledge-based master model approach exemplified with jet engine structural design. Computers in Industry, 2017, 85, 31-38.	9.9	24
5	Architectural Design Exploration Using Generative Design: Framework Development and Case Study of a Residential Block. Buildings, 2020, 10, 201.	3.1	23
6	A proactive plan-do-check-act approach to defect management based on a Swedish construction project. Construction Management and Economics, 2014, 32, 1051-1065.	3.0	19
7	A Knowledge-based Master-model Approach with Application to Rotating Machinery Design. Concurrent Engineering Research and Applications, 2011, 19, 295-305.	3.2	14
8	Trade-Off Optimization of Embodied Versus Operational Carbon Impact for Insulation and Window to Wall Ratio Design Choices: A Case Study. Smart Innovation, Systems and Technologies, 2019, , 12-20.	0.6	4
9	Towards a Knowledge-Based Engineering Methodology for Construction. , 2015, , .		3
10	Sustainability evaluation of timber dwellings in the north of Sweden based on environmental impact and optimization of energy and cost. Procedia Manufacturing, 2020, 44, 76-83.	1.9	3
11	Exploring Product Modularity in Residential Building Areas. Buildings, 2021, 11, 281.	3.1	3
12	A BIM-Based Method for Analyzing the Trade-Off between Embodied and Operational Energy. , 2017, , .		2
13	Assessing Digital Information Management Between Design and Production in Industrialised House-Building Å– A Case Study. , 2019, , .		2
14	Data-Center Farming: Exploring the Potential of Industrial Symbiosis in a Subarctic Region. Sustainability, 2022, 14, 2774.	3.2	2
15	Jet Engine Design Optimization Using a Knowledge-Based Master Model. , 2012, , .		1
16	A Master Model Approach for Design and Analysis of Roof Trusses. , 2018, , .		1
17	Knowledge-based bridge design. , 2016, , .		1