

Tobias Eifler

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3014480/publications.pdf>

Version: 2024-02-01

17
papers

104
citations

1684188

5
h-index

1474206

9
g-index

17
all docs

17
docs citations

17
times ranked

93
citing authors

#	ARTICLE	IF	CITATIONS
1	Robustness Metrics: Consolidating the Multiple Approaches to Quantify Robustness. Journal of Mechanical Design, Transactions of the ASME, 2016, 138, .	2.9	24
2	The variation management framework (VMF): A unifying graphical representation of robust design. Quality Engineering, 2017, 29, 563-572.	1.1	17
3	The importance of robust design methodology: case study of the infamous GM ignition switch recall. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2018, 29, 39-53.	2.1	16
4	Approach for a Consistent Description of Uncertainty in Process Chains of Load Carrying Mechanical Systems. Applied Mechanics and Materials, 2011, 104, 133-144.	0.2	10
5	Tolerance allocation under behavioural simulation uncertainty of a multiphysical system. CIRP Annals - Manufacturing Technology, 2021, 70, 127-130.	3.6	9
6	Modellierung von Unsicherheit in der Produktentwicklung. , 2013, , 245-269.		5
7	An Assignment of Methods to Analyze Uncertainty in Different Stages of the Development Process. , 2010, , .		4
8	Toward Meaningful Manufacturing Variation Data in Design – Feature Based Description of Variation in Manufacturing Processes. Procedia CIRP, 2016, 43, 190-195.	1.9	4
9	Integrated uncertainty management in parametric design and tolerancing. Journal of Engineering Design, 2021, 32, 517-537.	2.3	4
10	Product behavior complexity metric for early prioritization of tolerance analysis tasks. Design Science, 2020, 6, .	2.1	3
11	Exploring barriers for the use of FEA-based variation simulation in industrial development practice. Design Science, 2021, 7, .	2.1	3
12	Multiphysical tolerance analysis – Assessment technique of the impact of the model parameter imprecision. Procedia CIRP, 2020, 92, 206-211.	1.9	2
13	Barriers for Industrial Sensor Integration Design – An Exploratory Interview Study. Journal of Mechanical Design, Transactions of the ASME, 2021, 143, .	2.9	1
14	A ROBUST DESIGN RESEARCH LANDSCAPE - REVIEW ON THE IMPORTANCE OF DESIGN RESEARCH FOR ACHIEVING PRODUCT ROBUSTNESS. Proceedings of the Design Society, 2021, 1, 211-220.	0.8	1
15	Parametric CAD Modeling: New Principles for Robust Sketch Constraints. Computer-Aided Design and Applications, 0, , 56-81.	0.6	1
16	ROBUST DESIGN FOR IOT – ON THE RELEVANCE OF MECHANICAL DESIGN FOR ROBUST SENSOR INTEGRATION IN CONNECTED DEVICESH.. Proceedings of the Design Society DESIGN Conference, 2020, 1, 235-244.	0.8	0
17	SEQUENTIAL DESIGN PROCESS FOR SCREENING AND OPTIMIZATION OF ROBUSTNESS AND RELIABILITY BASED ON FINITE ELEMENT ANALYSIS AND META-MODELING. Journal of Computing and Information Science in Engineering, 0, , 1-14.	2.7	0