

Kevin N Otto

List of Publications by Year in descending order

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22
papers

1,254
citations

759233

12
h-index

940533

16
g-index

22
all docs

22
docs citations

22
times ranked

657
citing authors

#	ARTICLE	IF	CITATIONS
1	A tether-less Legged Piezoelectric Miniature Robot using bounding gait locomotion for bidirectional motion. , 2016, , .		24
2	Design knowledge representation to support personalised additive manufacturing. Virtual and Physical Prototyping, 2015, 10, 217-226.	10.4	18
3	Incorporating design effort complexity measures in product architectural design and assessment. Design Studies, 2005, 26, 463-485.	3.1	68
4	Incorporating Design Complexity Measures in Architectural Assessment. , 2003, , .		11
5	5.6.2 Decision Making in Modular Product Platform Development. IncoSE International Symposium, 2002, 12, 1151-1158.	0.6	0
6	Reverse Engineering and Redesign: Courses to Incrementally and Systematically Teach Design. Journal of Engineering Education, 2001, 90, 363-374.	3.0	104
7	Manufacturing Block Diagrams and Optimal Adjustment Procedures. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2001, 123, 119-127.	2.2	5
8	Assessing value in platformed product family design. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2001, 13, 30-41.	2.1	93
9	A Method for Architecting Product Platforms. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2000, 12, 61-72.	2.1	176
10	Modular Platform-Based Product Family Design. , 2000, , .		75
11	Identifying Product Portfolio Architecture Modularity Using Function and Variety Heuristics. , 1999, , .		57
12	Product Evolution: A Reverse Engineering and Redesign Methodology. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 1998, 10, 226-243.	2.1	183
13	Research on application of fuzzy sets to design and manufacturing integration. Fuzzy Sets and Systems, 1996, 82, 127-128.	2.7	0
14	Modeling Imprecision in Engineering Design. International Series in Intelligent Technologies, 1996, , 1-52.	0.1	2
15	Constructing membership functions using interpolation and measurement theory. Fuzzy Sets and Systems, 1995, 73, 313-327.	2.7	70
16	Measurement methods for product evaluation. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 1995, 7, 86-101.	2.1	33
17	Membership induced on manifolds by vector fields and flows. Fuzzy Sets and Systems, 1995, 70, 15-29.	2.7	9
18	Design parameter selection in the presence of noise. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 1994, 6, 234-246.	2.1	36

#	ARTICLE	IF	CITATIONS
19	Determining optimal points of membership with dependent variables. Fuzzy Sets and Systems, 1993, 60, 19-24.	2.7	13
20	Approximating $\hat{\alpha}$ -cuts with the vertex method. Fuzzy Sets and Systems, 1993, 55, 43-50.	2.7	40
21	Engineering design calculations with fuzzy parameters. Fuzzy Sets and Systems, 1992, 52, 1-20.	2.7	104
22	Trade-off strategies in engineering design. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 1991, 3, 87-103.	2.1	133