

Kevin N Otto

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11974761/publications.pdf>

Version: 2024-02-01

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 | Product Evolution: A Reverse Engineering and Redesign Methodology. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 1998, 10, 226-243. | 2.1 | 183 |
| 2 | A Method for Architecting Product Platforms. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2000, 12, 61-72. | 2.1 | 176 |
| 3 | Trade-off strategies in engineering design. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 1991, 3, 87-103. | 2.1 | 133 |
| 4 | Engineering design calculations with fuzzy parameters. Fuzzy Sets and Systems, 1992, 52, 1-20. | 2.7 | 104 |
| 5 | Reverse Engineering and Redesign: Courses to Incrementally and Systematically Teach Design. Journal of Engineering Education, 2001, 90, 363-374. | 3.0 | 104 |
| 6 | Assessing value in platformed product family design. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2001, 13, 30-41. | 2.1 | 93 |
| 7 | Modular Platform-Based Product Family Design. , 2000, , . | | 75 |
| 8 | Constructing membership functions using interpolation and measurement theory. Fuzzy Sets and Systems, 1995, 73, 313-327. | 2.7 | 70 |
| 9 | Incorporating design effort complexity measures in product architectural design and assessment. Design Studies, 2005, 26, 463-485. | 3.1 | 68 |
| 10 | Identifying Product Portfolio Architecture Modularity Using Function and Variety Heuristics. , 1999, , . | | 57 |
| 11 | Approximating $\hat{1}\pm$ -cuts with the vertex method. Fuzzy Sets and Systems, 1993, 55, 43-50. | 2.7 | 40 |
| 12 | Design parameter selection in the presence of noise. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 1994, 6, 234-246. | 2.1 | 36 |
| 13 | Measurement methods for product evaluation. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 1995, 7, 86-101. | 2.1 | 33 |
| 14 | A tether-less Legged Piezoelectric Miniature Robot using bounding gait locomotion for bidirectional motion. , 2016, , . | | 24 |
| 15 | Design knowledge representation to support personalised additive manufacturing. Virtual and Physical Prototyping, 2015, 10, 217-226. | 10.4 | 18 |
| 16 | Determining optimal points of membership with dependent variables. Fuzzy Sets and Systems, 1993, 60, 19-24. | 2.7 | 13 |
| 17 | Incorporating Design Complexity Measures in Architectural Assessment. , 2003, , . | | 11 |
| 18 | Membership induced on manifolds by vector fields and flows. Fuzzy Sets and Systems, 1995, 70, 15-29. | 2.7 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Manufacturing Block Diagrams and Optimal Adjustment Procedures. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2001, 123, 119-127. | 2.2 | 5 |
| 20 | Modeling Imprecision in Engineering Design. International Series in Intelligent Technologies, 1996, , 1-52. | 0.1 | 2 |
| 21 | Research on application of fuzzy sets to design and manufacturing integration. Fuzzy Sets and Systems, 1996, 82, 127-128. | 2.7 | 0 |
| 22 | 5.6.2 Decision Making in Modular Product Platform Development. In cose International Symposium, 2002, 12, 1151-1158. | 0.6 | 0 |