

Johan Malmqvist

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

744
citations

840119

11
h-index

713013

21
g-index

41
all docs

41
docs citations

41
times ranked

544
citing authors

#	ARTICLE	IF	CITATIONS
1	Rethinking Engineering Education. , 2014, , .		199
2	From CDIO to challenge-based learning experiences – expanding student learning as well as societal impact?. European Journal of Engineering Education, 2020, 45, 22-37.	1.5	68
3	Requirements management in practice: findings from an empirical study in the automotive industry. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2006, 17, 113-134.	1.2	54
4	Product data management system-based support for engineering project management. Journal of Engineering Design, 2004, 15, 389-403.	1.1	52
5	Improved Function-means Trees by Inclusion of Design History Information. Journal of Engineering Design, 1997, 8, 107-117.	1.1	44
6	A Comparative Study of Engineering Change Management in Three Swedish Engineering Companies. , 1998, , .		44
7	Strategies for Product Structure Management at Manufacturing Firms. Journal of Computing and Information Science in Engineering, 2002, 2, 50-58.	1.7	36
8	PLM implementation guidelines – relevance and application in practice: a discussion of findings from a retrospective case study. International Journal of Product Lifecycle Management, 2012, 6, 79.	0.1	27
9	Integrated product and manufacturing system platforms supporting the design of personalized medicines. Journal of Manufacturing Systems, 2020, 56, 281-295.	7.6	23
10	A proposal for a structured approach for cross-company teamwork: a case study of involving the customer in service innovation. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2011, 22, 153-171.	1.2	20
11	Lifecycle design and management of additive manufacturing technologies. Procedia Manufacturing, 2018, 19, 135-142.	1.9	16
12	Complementary Roles of IDEFO and DSM for the Modeling of Information Management Processes. Concurrent Engineering Research and Applications, 1999, 7, 95-103.	2.0	14
13	Implementing a service-oriented PLM architecture focusing on support for engineering change management. International Journal of Product Lifecycle Management, 2008, 3, 335.	0.1	14
14	Professional development of Russian HEIs' management and faculty in CDIO standards application. European Journal of Engineering Education, 2016, 41, 426-437.	1.5	11
15	Scholarly development of engineering education – the CDIO approach. European Journal of Engineering Education, 2020, 45, 1-3.	1.5	11
16	A Framework for Modelling and Analysis of Engineering Information Management Systems. , 1999, , .		11
17	Implementing requirements management: A task for specialized software tools or PDM systems?. Systems Engineering, 2001, 4, 49-57.	1.6	10
18	Natural language processing methods for knowledge management – Applying document clustering for fast search and grouping of engineering documents. Concurrent Engineering Research and Applications, 2021, 29, 142-152.	2.0	9

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19	Water transport and absorption in pharmaceutical tablets – a numerical study. <i>Meccanica</i> , 2020, 55, 421-433.	1.2	8
20	A Comparison of the CDIO and EUR-ACE Quality Assurance Systems. <i>International Journal of Quality Assurance in Engineering and Technology Education</i> , 2012, 2, 9-22.	0.1	7
21	Effective method for creating engineering checklists. <i>Journal of Engineering Design</i> , 2013, 24, 453-475.	1.1	7
22	Supporting Knowledge Re-Use with Effective Searches of Related Engineering Documents - A Comparison of Search Engine and Natural Language Processing-Based Algorithms. <i>Proceedings of the Design Society International Conference on Engineering Design</i> , 2019, 1, 2597-2606.	0.6	7
23	A systematic process for developing product configuration rules. <i>International Journal of Product Lifecycle Management</i> , 2015, 8, 46.	0.1	6
24	Industry Trends to 2040. <i>Proceedings of the Design Society International Conference on Engineering Design</i> , 2019, 1, 2121-2128.	0.6	5
25	ANALYSIS OF ENGINEERING CHANGE REQUESTS USING MARKOV CHAINS. , 0, , .		5
26	Faculty development programme based on CDIO framework. , 2015, , .		4
27	Decision Support for Re-Designed Medicinal Products - Assessing Consequences of a Customizable Product Design on the Value Chain from a Sustainability Perspective. <i>Proceedings of the Design Society International Conference on Engineering Design</i> , 2019, 1, 867-876.	0.6	4
28	Quality Assurance of Engineering Education in Sweden. , 2009, , 133-143.		4
29	Implementing Support for Management of Mechatronic Product Data in PLM Systems: Two Case Studies. , 2006, , 1175.		3
30	CUSTOMIZING PRODUCT DATA MANAGEMENT FOR SYSTEMS ENGINEERING IN AN INFORMAL LEAN-INFLUENCED ORGANIZATION. <i>Systems Research Forum</i> , 2010, 04, 101-120.	0.1	3
31	Adapting discrete goods supply chains to support mass customisation of pharmaceutical products. <i>Concurrent Engineering Research and Applications</i> , 2021, 29, 309-327.	2.0	3
32	Computer Support for Requirements Management in an International Product Development Project. , 2004, , .		3
33	Pharmaceutical Product Modularization as a Mass Customization Strategy to Increase Patient Benefit Cost-Efficiently. <i>Systems</i> , 2021, 9, 59.	1.2	2
34	A Process-Oriented Approach for Management of Product Configuration Models. , 2004, , 691.		1
35	Modeling industrial engineering change processes using the design structure matrix for sequence analysis: a comparison of multiple projects. <i>Design Science</i> , 2020, 6, .	1.1	1
36	A Method to Identify Risks Associated with a PLM Solution. <i>International Federation for Information Processing</i> , 2012, , 512-524.	0.4	1

#	ARTICLE	IF	CITATIONS
37	Verification of Item Usage Rules in Product Configuration. International Federation for Information Processing, 2012, , 182-191.	0.4	1
38	Formulating constraint satisfaction problems for the inspection of configuration rules. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2016, 30, 313-328.	0.7	0