Iris GrÃ¤Ãler

List of Publications by Year
in descending order

46 papers	493 citations	840585 11 h-index	839398 18 g-index
59 all docs	59 docs citations	59 times ranked	247 citing authors

#	Article	IF	Citations
1	The new V-Model of VDI 2206 and its validation. Automatisierungstechnik, 2020, 68, 312-324.	0.4	51
2	Creation of a Learning Factory for Cyber Physical Production Systems. Procedia CIRP, 2016, 54, 107-112.	1.0	39
3	V-MODELS FOR INTERDISCIPLINARY SYSTEMS ENGINEERING. , 0, , .		39
4	Intelligent control of an assembly station by integration of a digital twin for employees into the decentralized control system. Procedia Manufacturing, 2018, 24, 185-189.	1.9	37
5	Method for Systematic Assessment of Requirement Change Risk in Industrial Practice. Applied Sciences (Switzerland), 2020, 10, 8697.	1.3	23
6	Educational Learning Factory of a Holistic Product Creation Process. Procedia CIRP, 2016, 54, 141-146.	1.0	17
7	Intelligent Devices in a Decentralized Production System Concept. Procedia CIRP, 2018, 67, 116-121.	1.0	15
8	Implementation of an Adapted Holonic Production Architecture. Procedia CIRP, 2017, 63, 138-143.	1.0	14
9	Decoupling of Product and Production Development in Flexible Production Environments. Procedia CIRP, 2017, 60, 548-553.	1.0	13
10	Model based integration of human characteristics in production systems: a literature survey. Procedia CIRP, 2021, 99, 57-62.	1.0	13
11	Role model of model-based systems engineering application. IOP Conference Series: Materials Science and Engineering, 2021, 1097, 012003.	0.3	13
12	Supporting Creativity with Virtual Reality Technology. Proceedings of the Design Society International Conference on Engineering Design, 2019, 1, 2011-2020.	0.6	12
13	Human-centric design of cyber-physical production systems. Procedia CIRP, 2019, 84, 251-256.	1.0	12
14	Skill-based worker assignment in a manual assembly line. Procedia CIRP, 2021, 100, 433-438.	1.0	12
15	Impacts of information management on customized vehicles and after-sales services. International Journal of Computer Integrated Manufacturing, 2003, 16, 566-570.	2.9	11
16	Traceable learning effects by use of digital adaptive assistance in production. Procedia Manufacturing, 2020, 45, 479-484.	1.9	11
17	Generic Product Lifecycle Model: A Holistic and Adaptable Approach for Multi-Disciplinary Productâ€“Service Systems. Applied Sciences (Switzerland), 2021, 11, 4516.	1.3	11
18	Systems Engineering competencies in academic education : An industrial survey about skills in Systems Engineering. , 2018, , .		10

#	Article	IF	Citations
19	A modular architecture of a PC-based driving simulator for advanced driver assistance systems development. , 2014, , .		9
20	Interdisciplinary Development of Production Systems Using Systems Engineering. Procedia CIRP, 2016, 50, 653-658.	1.0	8
21	V-model based development of cyber-physical systems and cyber-physical production systems. Procedia CIRP, 2021, 100, 253-258.	1.0	8
22	InformationsqualitÃt in der Produktentwicklung: Modellbasiertes Systems Engineering mit expliziter BerÃ¼cksichtigung von Unsicherheit/Information Quality in Product Engineering: Model-Based Systems Engineering in Explicit Consideration of Uncertainty. Konstruktion, 2020, 72, 76-83.	0.1	8
23	Proactive Management of Requirement Changes in the Development of Complex Technical Systems. Applied Sciences (Switzerland), 2022, 12, 1874.	1.3	8
24	Self-organizing production systems: Implications for product design. Procedia CIRP, 2019, 79, 546-550.	1.0	7
25	Application Potentials of Systems Engineering for Small and Middle-sized Enterprises. Procedia CIRP, 2018, 67, 510-515.	1.0	6
26	Integrating human factors in the model based development of cyber-physical production systems. Procedia CIRP, 2021, 100, 518-523.	1.0	6
27	Product life cycle cost approach for modular lightweight design. Procedia CIRP, 2019, 84, 1048-1053.	1.0	5
28	Security-Oriented Fault-Tolerance in Systems Engineering: A Conceptual Threat Modelling Approach for Cyber-Physical Production Systems. Advances in Intelligent Systems and Computing, 2020, , 1458-1469.	0.5	5
29	SEMI-AUTOMATIZED ASSESSMENT OF REQUIREMENT INTERRELATIONS. , 0, , .		5
30	Produktentstehung im Zeitalter von Industrie 4.0. , 2020, , 383-403.		5
31	Role Model for Systems Engineering Application. Proceedings of the Design Society International Conference on Engineering Design, 2019, 1, 1265-1274.	0.6	4
32	Enhancing systems engineering by scenario-based anticipation of future developments. , 2016, , .		3
33	Influence Factors for Innovation in Digital Self-Preparedness Services and Tools. International Journal of Information Systems for Crisis Response and Management, 2018, 10, 20-37.	0.7	3
34	Methode zur Einflussanalyse in der SzenarioTechnik auf Basis gerichteter Graphen. , 2019, , .		3
35	Method for Analysing Requirement Change Propagation based on a Modified Pagerank Algorithm. Proceedings of the Design Society International Conference on Engineering Design, 2019, 1, 3681-3690.	0.6	2
36	IMPROVING SCENARIO-TECHNIQUE BY A SEMI-AUTOMATIZED CONSISTENCY ASSESSMENT BASED ON PATTERN RECOGNITION BY ARTIFICIAL NEURAL NETWORKS. Proceedings of the Design Society DESIGN Conference, 2020, 1, 147-156.	0.8	2

#	Article	IF	Citations
37	Risikoorientierte Analyse und Handhabung von AnforderungsÃnderungen. , 2019, , .		2
38	Excellency in Industrial Product Development. , 2004, , 233-240.		2
39	Conceptual Design of a Self-optimising Production Control System. Procedia CIRP, 2014, 25, 230-237.	1.0	1
40	Procedural Generation of Vegetation for a Virtual Test Track. , 2014, , .		1
41	Transformations in product development to enable globally distributed self-organizing production systems. Procedia CIRP, 2019, 84, 474-479.	1.0	1
42	IMMERSIVE ABSTRACTION: A NEW MORPHOLOGY OF INTUITIVE INTERACTION WITH SYSTEM MODELS. Proceedings of the Design Society DESIGN Conference, 2020, 1, 1295-1304.	0.8	1
43	ASSESSING THE FUTURE: METHODS AND CRITERIA. Proceedings of the Design Society DESIGN Conference, 2020, 1, 569-576.	0.8	1
44	Which future do we want? Itâ€™s up to us! â€“ 4 future scenarios for automation 2030. Automatisierungstechnik, 2020, 68, 500-507.	0.4	1
45	HANDLING OF EXPLICIT UNCERTAINTY IN REQUIREMENTS CHANGE MANAGEMENT. Proceedings of the Design Society, 2021, 1, 1687-1696.	0.5	0
46	Determine similarity of assembly operations using semantic technology. Procedia CIRP, 2021, 104, 1245-1250.	1.0	0