Klaus-Dieter Thoben

List of Publications by Year
in descending order

277 papers	4,614 citations	270111 25 h-index	150775 59 g-index
301 all docs	301 docs citations	301 times ranked	4246 citing authors

#	Article	IF	Citations
1	Long-term extreme response of an offshore turbine: How accurate are contour-based estimates?. Renewable Energy, 2022, 181, 945-965.	4.3	8
2	Understanding vulnerabilities in cyber physical production systems. International Journal of Computer Integrated Manufacturing, 2022, 35, 569-582.	2.9	13
3	Real-Time Energy Management and Load Scheduling with Renewable Energy Integration in Smart Grid. Sustainability, 2022, 14, 1792.	1.6	23
4	Hybrid-augmented intelligence in predictive maintenance with digital intelligent assistants. Annual Reviews in Control, 2022, 53, 382-390.	4.4	22
5	A Systematic Procedure for Utilization of Product Usage Information in Product Development. Information (Switzerland), 2022, 13, 267.	1.7	1
6	Digital Twins: A Maturity Model for Their Classification and Evaluation. IEEE Access, 2022, 10, 69605-69635.	2.6	29
7	Prozessinnovationen durch digitale Dienstleistungen für den Seehafen der Zukunft. , 2021, , 43-72.		0
8	Training simulators for manufacturing processes: Literature review and systematisation of applicability factors. Computer Applications in Engineering Education, 2021, 29, 1191-1207.	2.2	9
9	Anatomy of a Digital Assistant. IFIP Advances in Information and Communication Technology, 2021, , 321-330.	0.5	11
10	Investigating the factors influencing the shear behaviour of 0/90â˜ non-crimp fabrics to form a reference shear test. Journal of Composite Materials, 2021, 55, 2739-2750.	1.2	3
11	UNDERSTANDING USERS AND PRODUCTS IN PRODUCT DEVELOPMENT: THE APPLICATION OF PRODUCT USAGE INFORMATION AND ITS CHALLENGES. Proceedings of the Design Society, 2021, 1, 3299-3308.	0.5	3
12	A benchmarking exercise for environmental contours. Ocean Engineering, 2021, 236, 109504.	1.9	26
13	Energy Transparency in Compound Feed Production. IFIP Advances in Information and Communication Technology, 2021, , 496-503.	0.5	3
14	Towards Data-Driven GRU based ETA Prediction Approach for Vessels on both Inland Natural and Artificial Waterways. , 2021, , .		4
15	Semantic Interoperability for Logistics and Beyond. , 2021, , 109-128.		0
16	Reducing conservatism in highest density environmental contours. Applied Ocean Research, 2021, 117, 102936.	1.8	9
17	Towards Using Digital Intelligent Assistants to Put Humans in the Loop of Predictive Maintenance Systems. IFAC-PapersOnLine, 2021, 54, 49-54.	0.5	5
18	A framework for advanced visualization of predictive analytics in cyber-physical production systems. Procedia CIRP, 2021, 104, 1565-1570.	1.0	5

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19	Convolutional neural network with dual inputs for time series ice prediction on rotor blades of wind turbines. Procedia CIRP, 2021, 104, 446-451.	1.0	9
20	Towards automation of wind energy rotor blade production: a review of challenges and application examples. Advanced Manufacturing: Polymer and Composites Science, 2020, 6, 173-190.	0.2	1
21	Causal cross-impact analysis for identification and assessment of strategic options for industrial clusters. International Journal of Networking and Virtual Organisations, 2020, 22, 272.	0.2	0
22	Heuristic-Based Programable Controller for Efficient Energy Management Under Renewable Energy Sources and Energy Storage System in Smart Grid. IEEE Access, 2020, 8, 139587-139608.	2.6	84
23	An Implementation of IoT-Based Product Tracking with Blockchain Integration for a B2B Platform. , 2020, , .		2
24	Wie Digitale Zwillinge Unternehmensgrenzen Ã¼berwinden. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2020, 115, 84-89.	0.2	3
25	Ice Detection on Rotor Blades of Wind Turbines using RGB Images and Convolutional Neural Networks. Procedia CIRP, 2020, 93, 1292-1297.	1.0	20
26	Predicting wave heights for marine design by prioritizing extreme events in a global model. Renewable Energy, 2020, 156, 1146-1157.	4.3	27
27	A Numerical Study on the Effects of Trust in Supplier Development. Processes, 2020, 8, 300.	1.3	1
28	Application of Virtual Reality Technologies for Achieving Energy Efficient Manufacturing: Literature Analysis and Findings. IFIP Advances in Information and Communication Technology, 2020, , 479-486.	0.5	3
29	Towards a Cyber-Physical PLM Environment: The Role of Digital Product Models, Intelligent Products, Digital Twins, Product Avatars and Digital Shadows. IFAC-PapersOnLine, 2020, 53, 10911-10916.	0.5	21
30	Interacting with a Digital Twin using Amazon Alexa. Procedia Manufacturing, 2020, 52, 4-8.	1.9	10
31	Investigation of icing causes on wind turbine rotor blades using machine learning models, minimalistic input data and a full-factorial design. Procedia Manufacturing, 2020, 52, 168-173.	1.9	4
32	WiGeP-Positionspapier: â€žDigitaler Zwillingâ€œ. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2020, 115, 47-50.	0.2	53
33	Mobile AR-Based Assistance Systems for Order Picking â€“ Methodical Decision Support in the Early Phases of the Product Life Cycle. Communications in Computer and Information Science, 2020, , 74-87.	0.4	2
34	Towards Intelligent Waterway Lock Control for Port Facility Optimisation. Lecture Notes in Logistics, 2020, , 32-41.	0.6	0
35	Self-organizing Logistics Networks for Less-Than-Truckload. Procedia Manufacturing, 2020, 52, 101-106.	1.9	1
36	Editorial: System-Integrated Intelligence â€“ Intelligent, Flexible and Connected Systems in Products and Production. Procedia Manufacturing, 2020, 52, 1-3.	1.9	0

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37	A Hybrid Approach for Digital Representation of Sensors in Real-Time Applications. Procedia Manufacturing, 2020, 52, 14-19.	1.9	1
38	Einsatz mobiler Computersysteme im Rahmen von Industrie 4.0 zur Bewältigung des demografischen Wandels. Springer Reference Technik, 2020, , 1-31.	0.0	1
39	Interoperability of Logistics Artefacts in Industry 4.0-Driven IT Landscape. Communications in Computer and Information Science, 2020, , 167-176.	0.4	0
40	Sustainable Data Management for Manufacturing. , 2019, , .		1
41	Digital Twin Applications : A first systemization of their dimensions. , 2019, , .		44
42	Future Scenarios of maritime Logistics and their Impact on Vocational Training. , 2019, , .		1
43	Machine learning-based icing prediction on wind turbines. Procedia CIRP, 2019, 81, 423-428.	1.0	30
44	Design for Extremes: A Contour Method for Defining Requirements Based on Multivariate Extremes. Proceedings of the Design Society International Conference on Engineering Design, 2019, 1, 1433-1442.	0.6	0
45	Applying Product Usage Information to Optimise the Product Lifecycle in the Clothing and Textiles Industry. Decision Engineering, 2019, , 73-95.	1.5	0
46	A Unified Architecture for Proactive Maintenance in Manufacturing Enterprises. Proceedings of the I-ESA Conference, 2019, , 307-317.	0.4	5
47	ViroCon: A software to compute multivariate extremes using the environmental contour method. SoftwareX, 2019, 9, 95-101.	1.2	10
48	Visual Similarity to Aid Alternative-Use Concept Generation for Retired Wind-Turbine Blades. Journal of Mechanical Design, Transactions of the ASME, 2019, 141, .	1.7	13
49	Lifting Wind Turbine Components From a Floating Vessel: A Review on Current Solutions and Open Problems. Journal of Offshore Mechanics and Arctic Engineering, 2019, 141, .	0.6	3
50	Optimising online review inspired product attribute classification using the self-learning particle swarm-based Bayesian learning approach. International Journal of Production Research, 2019, 57, 3099-3120.	4.9	18
51	An Architecture of IoT-Based Product Tracking with Blockchain in Multi-sided B2B Platform. IFIP Advances in Information and Communication Technology, 2019, , 458-465.	0.5	5
52	Applicability of Agile Methods for Dynamic Requirements in Smart PSS Development. IFIP Advances in Information and Communication Technology, 2019, , 666-673.	0.5	4
53	Towards Understanding the Role of Product Usage Information in Product Design Improvement. IFIP Advances in Information and Communication Technology, 2019, , 369-378.	0.5	2
54	Virtualization of Sea Trials for Smart Prototype Testing. IFIP Advances in Information and Communication Technology, 2019, , 365-371.	0.5	0

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55	5G-Ready in the Industrial IoT-Environment. IFIP Advances in Information and Communication Technology, 2019, , 408-413.	0.5	2
56	Reifegradorientierte Konzeption und iterative Implementierung digitaler Dienstleistungen für maritime Logistikprozesse. , 2019, , 17-47.		1
57	Application of Allen's Temporal Logic to Ontological Modeling for Enterprise Interoperability. Proceedings of the I-ESA Conference, 2019, , 215-225.	0.4	0
58	Interoperability of Test Procedures Between Enterprises. Proceedings of the I-ESA Conference, 2019, , 177-188.	0.4	1
59	Security framework for industrial collaborative robotic cyber-physical systems. Computers in Industry, 2018, 97, 132-145.	5.7	106
60	Development of a Handling System with integrated Sensors for Textile Preforms using Additive Manufacturing. Procedia Manufacturing, 2018, 24, 114-119.	1.9	6
61	General Requirements for Industrial Augmented Reality Applications. Procedia CIRP, 2018, 72, 1130-1135.	1.0	83
62	Challenges and Opportunities of RFID Sensortags Integration by Fibre-Reinforced Plastic Components Production. Procedia Manufacturing, 2018, 24, 54-59.	1.9	6
63	Towards a Unified Predictive Maintenance System - A Use Case in Production Logistics in Aeronautics. Procedia Manufacturing, 2018, 16, 131-138.	1.9	11
64	An approach to support reliable test processes between suppliers and OEM. Procedia Manufacturing, 2018, 16, 83-90.	1.9	1
65	Part 6 Summary: Predictive Maintenance in Industry 4.0 - Methodologies, Tools and Interoperable Applications. , 2018, , 233-237.		0
66	Lifting Wind Turbine Components From a Floating Vessel: A Review on Current Solutions and Open Problems. , 2018, , .		2
67	An Approach for Surfacing Hidden Intentions and Trustworthiness in Logistics Resource Sharing Networks. IFIP Advances in Information and Communication Technology, 2018, , 524-536.	0.5	0
68	A Method for Designing Physical User Interfaces for Intelligent Production Environments. Advances in Human-Computer Interaction, 2018, 2018, 1-21.	1.8	5
69	Real-time Predictive Maintenance Based on Complex Event Processing. , 2018, , 291-296.		2
70	Social Media Analytics for Decision Support in Fashion Buying Processes. Springer Series in Fashion Business, 2018, , 71-93.	0.3	2
71	First Steps for a 5G-Ready Service in Cloud Manufacturing. , 2018, , .		5
72	A Concept for Predictability and Adaptability in Maritime Container Supply Chains. Lecture Notes in Logistics, 2018, , 243-249.	0.6	4

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73	Utilising the Internet of Things for the Management of Through-life Engineering Services on Marine Auxiliaries. Procedia CIRP, 2017, 59, 233-239.	1.0	8
74	Deriving environmental contours from highest density regions. Coastal Engineering, 2017, 123, 42-51.	1.7	68
75	Integrating Requirements Engineering for Different Domains in System Development â€" Lessons Learnt from Industrial SME Cases. Procedia CIRP, 2017, 64, 351-356.	1.0	12
76	Interoperable Information Exchange as Enabler of NFF Related TES. Procedia CIRP, 2017, 59, 240-245.	1.0	4
77	Through-life Engineering in Product-service Systems â€" Tussles for Design and Implementation. Procedia CIRP, 2017, 59, 227-232.	1.0	0
78	Data Driven Decision Making in Planning the Maintenance Activities of Off-shore Wind Energy. Procedia CIRP, 2017, 59, 160-165.	1.0	16
79	Ontology mediation to rule them all: Managing the plurality in product service systems. , 2017, , .		9
80	SCOR model application in developing countries: challenges & requirements. Production Planning and Control, 2017, 28, 17-32.	5.8	15
81	Deriving Information from Sensor Data. IFIP Advances in Information and Communication Technology, 2017, , 623-631.	0.5	1
82	Model-supported lifecycle analysis an approach for product-service systems. , 2017, , .		5
83	Learning in ports with serious gaming. , 2017, , .		3
84	Service ideation and design for process innovations in future seaports. , 2017, , .		2
85	â€œIndustrie 4.0â€•and Smart Manufacturing â€" A Review of Research Issues and Application Examples. International Journal of Automation Technology, 2017, 11, 4-16.	0.5	771
86	Cyber-Physical Product-Service Systems â€" Challenges for Requirements Engineering. International Journal of Automation Technology, 2017, 11, 17-28.	0.5	49
87	Stakeholders in the middle of life of complex products: understanding the role and information needs. International Journal of Product Lifecycle Management, 2017, 10, 231.	0.1	1
88	Effector for automated direct textile placement in rotor blade production. Lightweight Design Worldwide, 2017, 10, 42-47.	0.1	5
89	Towards a platform for integrating product usage information into innovative product-service design. , 2017, , .		9
90	Proposal of a methodology for pss lifecycle-oriented design: Application in the automotive industry. , 2017, , .		1

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91	Big Data Analytics in the Maintenance of Off-Shore Wind Turbines: A Study on Data Characteristics. Lecture Notes in Logistics, 2017, , 131-140.	0.6	4
92	Sustainable Urban Freight Transport: Analysis of Factors Affecting the Employment of Electric Commercial Vehicles. Lecture Notes in Logistics, 2017, , 255-265.	0.6	3
93	Safety Requirements in Collaborative Humanâ€"Robot Cyber-Physical System. Lecture Notes in Logistics, 2017, , 41-51.	0.6	8
94	A Trust Framework for Agentsâ€™ Interactions in Collaborative Logistics. Lecture Notes in Logistics, 2017, , 53-63.	0.6	3
95	Fashion Supply Chains and Social Media: Examining the Potential of Data Analysis of Social-Media Texts for Decision Making-Processes in Fashion Supply Chains. Lecture Notes in Electrical Engineering, 2017, , 271-281.	0.3	1
96	Cyber-Physical Product-Service Systems. , 2017, , 63-88.		13
97	Modellierung der Lebenszyklen von Smart Services. , 2017, , 233-256.		17
98	Integration of Simulation-based Training for Welders. SNE Simulation Notes Europe, 2017, 27, 37-44.	0.2	5
99	Interoperability of Logistics Artifacts: An Approach for Information Exchange Through Transformation Mechanisms. Lecture Notes in Logistics, 2017, , 469-479.	0.6	1
100	Effects of Environmental Dynamicity on Requirements Engineering for Complex Systems. IFIP Advances in Information and Communication Technology, 2017, , 255-262.	0.5	0
101	Evaluating potential Business Models for innovative Product Service Systems : Transparency regarding the relation to existing business. , 2016, , .		0
102	Towards a Methodology for Selecting Product Usage Information Sources for the (Re-)Design of Product Service Systems. , 2016, , .		2
103	Process Innovation through Digital Services for the Seaport of the Future. , 2016, , .		3
104	Development of a framework and an online tool for measuring the innovation capabilities among small companies in the logistics and transport industry. , 2016, , .		0
105	Changing States of Multistage Process Chains. Journal of Engineering (United States), 2016, 2016, 1-11.	0.5	2
106	An IoT Fueled DSS for MOL Marine Auxiliaries Management. IFIP Advances in Information and Communication Technology, 2016, , 621-630.	0.5	3
107	On Applicability of Big Data Analytics in the Closed-Loop Product Lifecycle: Integration of CRISP-DM Standard. IFIP Advances in Information and Communication Technology, 2016, , 457-467.	0.5	3
108	Real-time Fault Detection for Advanced Maintenance of Sustainable Technical Systems. Procedia CIRP, 2016, 41, 295-300.	1.0	6

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109	Special issue on system-integrated intelligence. New challenges for product and production engineering. Mechatronics, 2016, 34, A1-A3.	2.0	0
110	Machine learning in manufacturing: advantages, challenges, and applications. Production and Manufacturing Research, 2016, 4, 23-45.	0.9	671
111	Approach to Describe Knowledge Sharing between Producer and User. Procedia CIRP, 2016, 50, 20-25.	1.0	7
112	Improving Product-Service Systems by Exploiting Information From The Usage Phase. A Case Study. Procedia CIRP, 2016, 47, 376-381.	1.0	33
113	Behavioral factors influencing partner trust in logistics collaboration: a review. Logistics Research, 2016, 9, 1.	1.6	24
114	A methodology to develop collaborative robotic cyber physical systems for production environments. Logistics Research, 2016, 9, 1.	1.6	43
115	Semantic Data Integration Approach for the Vision of a Digital Factory. Proceedings of the I-ESA Conference, 2016, , 77-86.	0.4	5
116	A survey of product lifecycle models: towards complex products and service offers. International Journal of Product Lifecycle Management, 2016, 9, 353.	0.1	15
117	Requirements for Cross-domain Knowledge Sharing in Collaborative Product-Service System Design. Procedia CIRP, 2016, 47, 108-113.	1.0	8
118	Preactive Maintenance—A Modernized Approach for Efficient Operation of Offshore Wind Turbines. Lecture Notes in Logistics, 2016, , 323-331.	0.6	4
119	Pilot Prototype of Autonomous Pallets and Employing Little's Law for Routing. Lecture Notes in Logistics, 2016, , 101-114.	0.6	0
120	Application of the Adapted SCOR Model to the Leather Industry: An Ethiopian Case Study. Lecture Notes in Logistics, 2016, , 441-451.	0.6	2
121	The Usage of Social Media Text Data for the Demand Forecasting in the Fashion Industry. Lecture Notes in Logistics, 2016, , 723-727.	0.6	7
122	Requirements for models, methods and tools supporting servitisation of products in manufacturing service ecosystems. International Journal of Computer Integrated Manufacturing, 2016, , 1-11.	2.9	7
123	Current trends on ICT technologies for enterprise information systems. Computers in Industry, 2016, 79, 14-33.	5.7	118
124	Information Quality in PLM: A Production Process Perspective. IFIP Advances in Information and Communication Technology, 2016, , 826-834.	0.5	11
125	Effects of Decision Synchronization on Trust in Collaborative Networks. IFIP Advances in Information and Communication Technology, 2016, , 215-227.	0.5	2
126	Supporting the Requirements Elicitation Process for Cyber-Physical Product-Service Systems Through a Gamified Approach. IFIP Advances in Information and Communication Technology, 2016, , 687-694.	0.5	6

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127	Information Gathering in Closed-Loop PLM Systems - Social Networks as Models for the Internet of Things?. IFIP Advances in Information and Communication Technology, 2016, , 488-497.	0.5	1
128	Preforming in groÃŸer Dimension â€" innovativer Ansatz in der Rotorblattfertigung. Konstruktion, 2016, 68, 75-79.	0.1	1
129	Applying Gamification for Developing Formal Knowledge Models: Challenges and Requirements. IFIP Advances in Information and Communication Technology, 2016, , 713-720.	0.5	2
130	Fact-based Design for Leisure Boats: The HighSea-experiment Setup. Procedia CIRP, 2015, 38, 74-77.	1.0	6
131	Collaborative open innovation management in virtual manufacturing enterprises. International Journal of Computer Integrated Manufacturing, 2015, , 1-9.	2.9	7
132	Challenges for the port of the future: Findings from a scenario analysis. , 2015, , .		2
133	Content analysis of product usage information from embedded sensors and web 2.0 sources: A first analysis of practical examples. , 2015, , .		7
134	Sources and Characteristics of Information about Product Use. Procedia CIRP, 2015, 36, 242-247.	1.0	24
135	Cloud-Based Automated Design and Additive Manufacturing: A Usage Data-Enabled Paradigm Shift. Sensors, 2015, 15, 32079-32122.	2.1	62
136	Requirements Engineering. , 2015, , 103-132.		9
137	Utilization of State Drivers to Support Design for Manufacturing. Procedia CIRP, 2015, 36, 72-77.	1.0	0
138	A survey on retail sales forecasting and prediction in fashion markets. Systems Science and Control Engineering, 2015, 3, 154-161.	1.8	59
139	Interactions between Service and Product Lifecycle Management. Procedia CIRP, 2015, 30, 36-41.	1.0	86
140	Comparing mining and manufacturing supply chain processes: challenges and requirements. Production Planning and Control, 2015, 26, 81-96.	5.8	15
141	Challenges for Requirements Engineering of Cyber-Physical Systems in Distributed Environments. IFIP Advances in Information and Communication Technology, 2015, , 49-58.	0.5	9
142	Accessing servitisation potential of PLM data by applying the product avatar concept. Production Planning and Control, 2015, 26, 1198-1218.	5.8	38
143	Energy efficiency in processing of natural raw materials under consideration of uncertainties. Journal of Cleaner Production, 2015, 106, 351-363.	4.6	15
144	Challenges of Heavy Load Logistics in Global Maritime Supply Chains. IFIP Advances in Information and Communication Technology, 2015, , 175-182.	0.5	1

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145	Visualization of Interactions Between Product and Service Lifecycle Management. IFIP Advances in Information and Communication Technology, 2015, , 575-582.	0.5	11
146	Information Quality in PLM: A Product Design Perspective. IFIP Advances in Information and Communication Technology, 2015, , 515-523.	0.5	5
147	Towards 100% In-situ 2D/3D Quality Inspection of Metallic Micro Components Using Plenoptic Cameras. Procedia CIRP, 2014, 17, 847-852.	1.0	3
148	Work process oriented competence development for the port of the future. , 2014, , .		7
149	Make-to-XGrade for the Design and Manufacturing of Flexible, Adaptive, and Reactive Products. Procedia CIRP, 2014, 21, 199-205.	1.0	9
150	Potentials of Future Internet technologies for Digital Factories. , 2014, , .		2
151	Qualitative Comparison of Requirements Elicitation Techniques that are Used to Collect Feedback Information about Product Use. Procedia CIRP, 2014, 21, 212-217.	1.0	20
152	Exchange of Knowledge in Customized Product Development Processes. Procedia CIRP, 2014, 21, 99-104.	1.0	9
153	Model-driven Logistics Engineering â€" Challenges of Model and Object Transformation. Procedia Technology, 2014, 15, 303-312.	1.1	7
154	An autopoietic approach for building modular design system. , 2014, , .		3
155	An approach to monitoring quality in manufacturing using supervised machine learning on product state data. Journal of Intelligent Manufacturing, 2014, 25, 1167-1180.	4.4	185
156	Semantic Web Service Wrappers as a Foundation for Interoperability in Closed-loop Product Lifecycle Management. Procedia CIRP, 2014, 22, 225-230.	1.0	7
157	Applying Graph Theory and the Product State Concept in Manufacturing. Procedia Technology, 2014, 15, 349-358.	1.1	3
158	Considerations on a Lifecycle Model for Cyber-Physical System Platforms. Lecture Notes in Computer Science, 2014, , 85-92.	1.0	5
159	Application of the Stage Gate Model in Production Supporting Quality Management. Procedia CIRP, 2014, 17, 32-37.	1.0	42
160	Measuring and evaluating of the network type impact on time uncertainty in the supply networks with three nodes. Measurement: Journal of the International Measurement Confederation, 2014, 56, 121-127.	2.5	11
161	Extended Product Business Model Development in Four Manufacturing Case Studies. Procedia CIRP, 2014, 16, 110-115.	1.0	17
162	A computational method in analyzing of delivery time uncertainty for highly complex supply networks. Measurement: Journal of the International Measurement Confederation, 2014, 55, 549-563.	2.5	9

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163	Bridging lean to agile production logistics using autonomous carriers in pull flow. International Journal of Production Research, 2014, 52, 4711-4730.	4.9	23
164	Validation of Innovative Extended Product Concepts for E-Mobility. Lecture Notes in Mobility, 2014, , 131-152.	0.2	2
165	Collaborative Serious Games for Awareness on Shared Resources in Supply Chain Management. Lecture Notes in Computer Science, 2014, , 491-499.	1.0	4
166	Requirements Engineering for Cyber-Physical Systems. Lecture Notes in Computer Science, 2014, , 281-288.	1.0	15
167	Data Quality in Materials Science: A Quality Management Manual Approach. Lecture Notes in Computer Science, 2014, , 42-49.	1.0	1
168	Assessing the future potential of waste flows â€" case study scrap tires. International Journal of Sustainable Development and Planning, 2014, 9, 90-105.	0.3	5
169	The Construction of Serious Games Supporting Creativity in Student Labs. Lecture Notes in Computer Science, 2014, , 199-212.	1.0	0
170	Der Produktzustand als Basis fÃ¼r die Entwicklung produktnaher Dienstleistungen. , 2014, , 19-32.		1
171	New Approaches to Through-life Asset Management in the Maritime Industry. Procedia CIRP, 2013, 11, 219-224.	1.0	10
172	Application of learning pallets for real-time scheduling by the use of radial basis function network. Neurocomputing, 2013, 101, 82-93.	3.5	22
173	Transfer of Natural Micro Structures to Bionic Lightweight Design Proposals. Journal of Bionic Engineering, 2013, 10, 469-478.	2.7	29
174	Improving Maintenance Activities by the Usage of BOL Data. Procedia CIRP, 2013, 11, 62-67.	1.0	6
175	Logistics IoT services development with a sensor toolkit in an experiential training environment. , 2013, , .		5
176	Using Metaheuristic and Fuzzy System for the Optimization of Material Pull in a Push-Pull Flow Logistics Network. Mathematical Problems in Engineering, 2013, 2013, 1-19.	0.6	10
177	Integration of supply networks for customization with modularity in cloud and make-to-upgrade strategy. Systems Science and Control Engineering, 2013, 1, 28-42.	1.8	42
178	Fragmented knowledge in collaborative manufacturing process chains. , 2013, , .		4
179	A fuzzy programming method for optimization of autonomous logistics objects. , 2013, , .		0
180	On the effectiveness of teaching sustainable global manufacturing with serious gaming. , 2013, , .		2

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181	Digital Representations of Intelligent Products: Product Avatar 2.0. Lecture Notes in Production Engineering, 2013, , 675-684.	0.3	11
182	Study on the Application of DCOR and SCOR Models for the Sourcing Process in the Mineral Raw Material Industry Supply Chain. Lecture Notes in Logistics, 2013, , 211-220.	0.6	2
183	A Framework of the Forces Influencing the Adaptation of the SCOR Model to the Situation of the Manufacturing Industry in Developing Countries. Lecture Notes in Logistics, 2013, , 477-487.	0.6	2
184	Characteristics of Knowledge and Barriers towards Innovation and Improvement in Collaborative Manufacturing Process Chains. Lecture Notes in Business Information Processing, 2013, , 264-273.	0.8	1
185	Analysis of Manufacturing Process Sequences, Using Machine Learning on Intermediate Product States (as Process Proxy Data). IFIP Advances in Information and Communication Technology, 2013, , 1-8.	0.5	7
186	Requirements for Servitization in Manufacturing Service Ecosystems. IFIP Advances in Information and Communication Technology, 2013, , 65-72.	0.5	3
187	Towards an Approach to Identify the Optimal Instant of Time for Information Capturing in Supply Chains. IFIP Advances in Information and Communication Technology, 2013, , 3-12.	0.5	2
188	Towards Product Avatars Representing Middle-of-Life Information for Improving Design, Development and Manufacturing Processes. IFIP Advances in Information and Communication Technology, 2013, , 85-96.	0.5	25
189	The Internet of Experiences â€" Towards an Experience-Centred Innovation Approach. IFIP Advances in Information and Communication Technology, 2013, , 669-676.	0.5	2
190	A Product Avatar for Leisure Boats Owners: Concept, Development and Findings. IFIP Advances in Information and Communication Technology, 2013, , 560-569.	0.5	1
191	The Role of IT for Extended Productsâ€™ Evolution into Product Service Ecosystems. IFIP Advances in Information and Communication Technology, 2013, , 399-406.	0.5	3
192	A Method to Estimate the Accumulated Delivery Time Uncertainty in Supply Networks. Lecture Notes in Logistics, 2013, , 337-347.	0.6	4
193	Using Cloud, Modularity, and Make-to-Upgrade Strategy for Integrating Customized-Oriented Supply Networks. IFIP Advances in Information and Communication Technology, 2013, , 441-449.	0.5	0
194	Understanding Product State Relations within Manufacturing Processes. IFIP Advances in Information and Communication Technology, 2013, , 437-444.	0.5	1
195	A methodology for developing serious gaming stories for sustainable manufacturing. , 2012, , .		4
196	Product state based view and machine learning: A suitable approach to increase quality?. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1733-1738.	0.4	0
197	Living lab approach to create an Internet of Things service. , 2012, , .		1
198	Intelligent wireless communication devices for efficient data transfer and machine control. , 2012, , .		3

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199	Adapting the SCOR Model to Suit the Different Scenarios: A Literature Review & Research Agenda. International Journal of Business and Management, 2012, 7, .	0.1	26
200	Approaches to describe distortion along process chains. Materialwissenschaft Und Werkstofftechnik, 2012, 43, 178-185.	0.5	3
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