Tobias Reggelin

List of Publications by Year
in descending order

29	242	1039880 9	1125617 13
papers	citations	h-index	g-index

30	30	30	187
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mesoscopic supply chain simulation. Journal of Computational Science, 2014, 5, 463-470.	1.5	22
2	Simulation and the Emergency Department Overcrowding Problem. Procedia Engineering, 2017, 178, 368-376.	1.2	18
3	Assigning dispatching rules using a genetic algorithm to solve a hybrid flow shop scheduling problem. Procedia Manufacturing, 2020, 42, 442-449.	1.9	18
4	Open-source discrete-event simulation software for applications in production and logistics: An alternative to commercial tools?. Procedia Computer Science, 2021, 180, 978-987.	1.2	18
5	NeuroEvolution of augmenting topologies for solving a two-stage hybrid flow shop scheduling problem: A comparison of different solution strategies. Expert Systems With Applications, 2021, 172, 114666.	4.4	18
6	Integrating Virtual Commissioning Based on High Level Emulation into Logistics Education. Procedia Engineering, 2017, 178, 24-32.	1.2	16
7	The Combination of Discrete-Event Simulation and Genetic Algorithm for Solving the Stochastic Multi-Product Inventory Optimization Problem. Transport and Telecommunication, 2018, 19, 233-243.	0.7	14
8	A mesoscopic approach to modeling and simulation of logistics processes. , 2011, , .		13
9	Integration of LiFi Technology in an Industry 4.0 Learning Factory. Procedia Manufacturing, 2019, 31, 232-238.	1.9	13
10	Simulation and Virtual Commissioning of Modules for a Plug-and-Play Conveying System. IFAC-PapersOnLine, 2018, 51, 649-654.	0.5	12
11	Towards a Modular, Decentralized and Digital Industry 4.0 Learning Factory. , 2018, , .		11
12	A Mesoscopic Approach to the Simulation of Logistics Systems. Lecture Notes in Business Information Processing, 2010, , 15-25.	0.8	8
13	Real-time combination of material flow simulation, digital twins of manufacturing cells, an AGV and a mixed-reality application. Procedia CIRP, 2021, 104, 1607-1612.	1.0	8
14	Towards Learning- and Knowledge-Based Methods of Artificial Intelligence for Short-Term Operative Planning Tasks in Production and Logistics: Research Idea and Framework. IFAC-PapersOnLine, 2019, 52, 2716-2721.	0.5	6
15	Modeling Production Scheduling Problems as Reinforcement Learning Environments based on Discrete-Event Simulation and OpenAI Gym. IFAC-PapersOnLine, 2021, 54, 793-798.	0.5	6
16	A brief introduction to deploy Amazon Web Services for online discrete-event simulation. Procedia Computer Science, 2022, 200, 386-393.	1.2	6
17	Mesoscopic Simulation Models for Logistics Planning Tasks in the Automotive Industry. Procedia Engineering, 2017, 178, 298-307.	1.2	5
18	Towards Virtual Commissioning of Image-based Information Systems for State Detection in Logistics. IFAC-PapersOnLine, 2019, 52, 2463-2470.	0.5	5

#	Article	IF	Citations
19	Mesoscopic Modeling and Simulation of Logistics Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 582-587.	0.4	4
20	Simulation-based optimization for solving a hybrid flow shop scheduling problem. , 2016, , .		4
21	Deadlock and Collision Handling for Automated Rail-Based Storage and Retrieval Units. , 2019, , .		3
22	Mesoscopic discrete-rate-based simulation models for production and logistics planning. Journal of Simulation, 2022, 16, 448-457.	1.0	3
23	SIMULATION-BASED PLANNING AND DIMENSIONING OF AN AUTOMATIC LAUNDRY STORAGE AND RETRIEVAL UNIT WITH DYNAMIC STORAGE LOCATION SIZES. , 2018, , .		2
24	Procedure model for the development and launch of intelligent assistance systems. Procedia Computer Science, 2021, 180, 968-977.	1.2	2
25	Integration of the A2C Algorithm for Production Scheduling in a Two-Stage Hybrid Flow Shop Environment. Procedia Computer Science, 2022, 200, 585-594.	1.2	2
26	Dynamic model of the passenger flow on Rail Baltica. , 2018, , .		1
27	Operational Simulation-Based Decision Support in Intralogistics Using Short-Term Forecasts. Lecture Notes in Networks and Systems, 2019, , 345-352.	0.5	1
28	Design of a Li-Fi Transceiver for Distributed Factory Planning Applications. IFIP Advances in Information and Communication Technology, 2021, , 188-197.	0.5	0
29	A Logistics Management Game for Actors of a Geographically Distributed Supply Chain. Lecture Notes in Networks and Systems, 2019, , 779-788.	0.5	0