Timothy Sprock

List of Publications by Year
in descending order

17 papers	139 citations	1478505 6 h-index	1372567 10 g-index
18 all docs	18 docs citations	18 times ranked	95 citing authors

#	Article	IF	Citations
1	Procedural Guide for System-Level Impact Evaluation of Industrial Artificial Intelligence-Driven Technologies: Application to Risk-Based Investment Analysis for Condition Monitoring Systems in Manufacturing. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2022, 144, .	2.2	4
2	Part decomposition and evaluation based on standard design guidelines for additive manufacturability and assemblability. Additive Manufacturing, 2021, 37, 101702.	3.0	10
3	Neural network-based build time estimation for additive manufacturing: a performance comparison. Journal of Computational Design and Engineering, 2021, 8, 1243-1256.	3.1	8
4	Nesting and scheduling problems for additive manufacturing: A taxonomy and review. Additive Manufacturing, 2020, 36, 101492.	3.0	29
5	SysML Models for Discrete Event Logistics Systems. Journal of Research of the National Institute of Standards and Technology, 2020, 125, .	1.2	4
6	Scalable data pipeline architecture to support the industrial internet of things. CIRP Annals - Manufacturing Technology, 2020, 69, 385-388.	3.6	17
7	Integrated Operations Management for Distributed Manufacturing. IFAC-PapersOnLine, 2019, 52, 1820-1824.	0.9	3
8	Survey and classification of operational control problems in discrete event logistics systems (DELS). International Journal of Production Research, 2019, 57, 5215-5238.	7.5	8
9	Self-similar architectures for smart manufacturing and logistics systems. Manufacturing Letters, 2018, 15, 101-103.	2.2	4
10	Patterns for Modeling Operational Control of Discrete Event Logistics Systems (DELS). , 2018, , 875-884.		1
11	A hierarchical approach to warehouse design. International Journal of Production Research, 2017, 55, 6331-6343.	7.5	13
12	Automated production system simulations using commercial off-the-shelf simulation tools. , 2016, , .		13
13	Simulation optimization in Discrete Event Logistics Systems: The challenge of operational control. , 2016, , .		2
14	A simulation optimization framework for discrete event logistics systems (DELS). , 2015, , .		1
15	Analysis of Functional Architectures for Discrete Event Logistics Systems (DELS). Procedia Computer Science, 2015, 44, 517-526.	2.0	3
16	A Conceptual Model for Operational Control in Smart Manufacturing Systems. IFAC-PapersOnLine, 2015, 48, 1865-1869.	0.9	8
17	Simulation model generation of discrete event logistics systems (DELS) using software design patterns. , 2014, , .		7