

Seung-Jun Shin

List of Publications by Year in descending order

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papers

690
citations

623188

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27
all docs

27
docs citations

27
times ranked

646
citing authors

#	ARTICLE	IF	CITATIONS
1	Predictive Modeling for Machining Power Based on Multi-source Transfer Learning in Metal Cutting. International Journal of Precision Engineering and Manufacturing - Green Technology, 2022, 9, 107-125.	2.7	16
2	Real-time anomaly detection using convolutional neural network in wire arc additive manufacturing: Molybdenum material. Journal of Materials Processing Technology, 2022, 302, 117495.	3.1	40
3	Operation-Driven Power Analysis of Discrete Process in a Cyber-Physical System Based on a Modularized Factory. Sustainability, 2022, 14, 3816.	1.6	1
4	An Energy-Related Products Compliant Eco-Design Method with Durability-Embedded Economic and Environmental Assessments. International Journal of Precision Engineering and Manufacturing - Green Technology, 2021, 8, 561-581.	2.7	3
5	An OPC UA-Compliant Interface of Data Analytics Models for Interoperable Manufacturing Intelligence. IEEE Transactions on Industrial Informatics, 2021, 17, 3588-3598.	7.2	14
6	A Review of Prediction and Optimization for Sequence-Driven Scheduling in Job Shop Flexible Manufacturing Systems. Processes, 2021, 9, 1391.	1.3	7
7	A Holonic-Based Self-Learning Mechanism for Energy-Predictive Planning in Machining Processes. Processes, 2019, 7, 739.	1.3	18
8	An energy-efficient process planning system using machine-monitoring data: A data analytics approach. CAD Computer Aided Design, 2019, 110, 92-109.	1.4	17
9	Simulating a virtual machining model in an agent-based model for advanced analytics. Journal of Intelligent Manufacturing, 2019, 30, 1937-1955.	4.4	11
10	A Hybrid Learning-based Predictive Process Planning Mechanism for Cyber-Physical Production Systems. Journal of the Korean Society for Precision Engineering, 2019, 36, 391-400.	0.1	0
11	An Approach to Generating Reference Information for Technology Evaluation. Sustainability, 2018, 10, 3200.	1.6	1
12	Standard Data-Based Predictive Modeling for Power Consumption in Turning Machining. Sustainability, 2018, 10, 598.	1.6	14
13	Developing a big data analytics platform for manufacturing systems: architecture, method, and implementation. International Journal of Advanced Manufacturing Technology, 2018, 99, 2193-2217.	1.5	51
14	Developing a decision support system for improving sustainability performance of manufacturing processes. Journal of Intelligent Manufacturing, 2017, 28, 1421-1440.	4.4	24
15	Process-oriented Life Cycle Assessment framework for environmentally conscious manufacturing. Journal of Intelligent Manufacturing, 2017, 28, 1481-1499.	4.4	14
16	Decision guidance methodology for sustainable manufacturing using process analytics formalism. Journal of Intelligent Manufacturing, 2017, 28, 455-472.	4.4	20
17	Energy efficiency of milling machining: Component modeling and online optimization of cutting parameters. Journal of Cleaner Production, 2017, 161, 12-29.	4.6	73
18	Manufacturing data analytics using a virtual factory representation. International Journal of Production Research, 2017, 55, 5450-5464.	4.9	73

#	ARTICLE	IF	CITATIONS
19	Energy Prediction Modeling for Numerical Control Programs Using MTConnect. Journal of the Korean Society for Precision Engineering, 2017, 34, 355-362.	0.1	3
20	Developing a virtual machining model to generate MTConnect machine-monitoring data from STEP-NC. International Journal of Production Research, 2016, 54, 4487-4505.	4.9	39
21	Developing a Big Data Analytics Platform Architecture for Smart Factory. Journal of Korea Multimedia Society, 2016, 19, 1516-1529.	0.1	2
22	Toward development of a testbed for sustainable manufacturing. Concurrent Engineering Research and Applications, 2015, 23, 64-73.	2.0	10
23	A decision-guidance framework for sustainability performance analysis of manufacturing processes. International Journal of Advanced Manufacturing Technology, 2015, 78, 1455-1471.	1.5	34
24	A green productivity based process planning system for a machining process. International Journal of Production Research, 2015, 53, 5085-5105.	4.9	14
25	Predictive Analytics Model for Power Consumption in Manufacturing. Procedia CIRP, 2014, 15, 153-158.	1.0	107
26	A conceptual framework for the ubiquitous factory. International Journal of Production Research, 2012, 50, 2174-2189.	4.9	81
27	Developing ISO 14649-based conversational programming system for multi-channel complex machine tools. International Journal of Computer Integrated Manufacturing, 2009, 22, 562-575.	2.9	3