

Seung-Jun Shin

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

690
citations

623188

14
h-index

552369

26
g-index

27
all docs

27
docs citations

27
times ranked

646
citing authors

#	ARTICLE	IF	CITATIONS
1	Predictive Analytics Model for Power Consumption in Manufacturing. <i>Procedia CIRP</i> , 2014, 15, 153-158.	1.0	107
2	A conceptual framework for the ubiquitous factory. <i>International Journal of Production Research</i> , 2012, 50, 2174-2189.	4.9	81
3	Energy efficiency of milling machining: Component modeling and online optimization of cutting parameters. <i>Journal of Cleaner Production</i> , 2017, 161, 12-29.	4.6	73
4	Manufacturing data analytics using a virtual factory representation. <i>International Journal of Production Research</i> , 2017, 55, 5450-5464.	4.9	73
5	Developing a big data analytics platform for manufacturing systems: architecture, method, and implementation. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 99, 2193-2217.	1.5	51
6	Real-time anomaly detection using convolutional neural network in wire arc additive manufacturing: Molybdenum material. <i>Journal of Materials Processing Technology</i> , 2022, 302, 117495.	3.1	40
7	Developing a virtual machining model to generate MTConnect machine-monitoring data from STEP-NC. <i>International Journal of Production Research</i> , 2016, 54, 4487-4505.	4.9	39
8	A decision-guidance framework for sustainability performance analysis of manufacturing processes. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 78, 1455-1471.	1.5	34
9	Developing a decision support system for improving sustainability performance of manufacturing processes. <i>Journal of Intelligent Manufacturing</i> , 2017, 28, 1421-1440.	4.4	24
10	Decision guidance methodology for sustainable manufacturing using process analytics formalism. <i>Journal of Intelligent Manufacturing</i> , 2017, 28, 455-472.	4.4	20
11	A Holonic-Based Self-Learning Mechanism for Energy-Predictive Planning in Machining Processes. <i>Processes</i> , 2019, 7, 739.	1.3	18
12	An energy-efficient process planning system using machine-monitoring data: A data analytics approach. <i>CAD Computer Aided Design</i> , 2019, 110, 92-109.	1.4	17
13	Predictive Modeling for Machining Power Based on Multi-source Transfer Learning in Metal Cutting. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2022, 9, 107-125.	2.7	16
14	A green productivity based process planning system for a machining process. <i>International Journal of Production Research</i> , 2015, 53, 5085-5105.	4.9	14
15	Process-oriented Life Cycle Assessment framework for environmentally conscious manufacturing. <i>Journal of Intelligent Manufacturing</i> , 2017, 28, 1481-1499.	4.4	14
16	Standard Data-Based Predictive Modeling for Power Consumption in Turning Machining. <i>Sustainability</i> , 2018, 10, 598.	1.6	14
17	An OPC UA-Compliant Interface of Data Analytics Models for Interoperable Manufacturing Intelligence. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 3588-3598.	7.2	14
18	Simulating a virtual machining model in an agent-based model for advanced analytics. <i>Journal of Intelligent Manufacturing</i> , 2019, 30, 1937-1955.	4.4	11

#	ARTICLE	IF	CITATIONS
19	Toward development of a testbed for sustainable manufacturing. <i>Concurrent Engineering Research and Applications</i> , 2015, 23, 64-73.	2.0	10
20	A Review of Prediction and Optimization for Sequence-Driven Scheduling in Job Shop Flexible Manufacturing Systems. <i>Processes</i> , 2021, 9, 1391.	1.3	7
21	Developing ISO 14649-based conversational programming system for multi-channel complex machine tools. <i>International Journal of Computer Integrated Manufacturing</i> , 2009, 22, 562-575.	2.9	3
22	An Energy-Related Products Compliant Eco-Design Method with Durability-Embedded Economic and Environmental Assessments. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2021, 8, 561-581.	2.7	3
23	Energy Prediction Modeling for Numerical Control Programs Using MTConnect. <i>Journal of the Korean Society for Precision Engineering</i> , 2017, 34, 355-362.	0.1	3
24	Developing a Big Data Analytics Platform Architecture for Smart Factory. <i>Journal of Korea Multimedia Society</i> , 2016, 19, 1516-1529.	0.1	2
25	An Approach to Generating Reference Information for Technology Evaluation. <i>Sustainability</i> , 2018, 10, 3200.	1.6	1
26	Operation-Driven Power Analysis of Discrete Process in a Cyber-Physical System Based on a Modularized Factory. <i>Sustainability</i> , 2022, 14, 3816.	1.6	1
27	A Hybrid Learning-based Predictive Process Planning Mechanism for Cyber-Physical Production Systems. <i>Journal of the Korean Society for Precision Engineering</i> , 2019, 36, 391-400.	0.1	0