

Duck Young Kim

List of Publications by Year in descending order

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papers

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docs citations

29
times ranked

395
citing authors

#	ARTICLE	IF	CITATIONS
1	Assembly Part Positioning on Transformable Pin Array Fixture by Active Pin Maximization and Joining Point Alignment. IEEE Transactions on Automation Science and Engineering, 2022, 19, 1047-1057.	3.4	2
2	Auto-calibration of robot workcells via remote laser scanning. Robotics and Computer-Integrated Manufacturing, 2022, 78, 102394.	6.1	1
3	Software Architecture for an Active Device Driver in Reconfigurable Manufacturing Systems. IFIP Advances in Information and Communication Technology, 2021, , 596-603.	0.5	0
4	In-Process Noise Inspection System for Product Fault Detection in a Loud Shop-Floor Environment. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	2
5	A modular factory testbed for the rapid reconfiguration of manufacturing systems. Journal of Intelligent Manufacturing, 2020, 31, 661-680.	4.4	47
6	Estimating System State through Similarity Analysis of Signal Patterns. Sensors, 2020, 20, 6839.	2.1	1
7	Abnormal vibration detection in the bearing-shaft system via semi-supervised classification of accelerometer signal patterns. Procedia Manufacturing, 2020, 51, 316-323.	1.9	4
8	An in-Process Inspection System to Detect Noise Originating from within the Interior Trim Panels of Car Doors. Sensors, 2020, 20, 630.	2.1	3
9	Abrupt variance and discernibility analyses of multi-sensor signals for fault pattern extraction. Computers and Industrial Engineering, 2019, 128, 999-1007.	3.4	6
10	An Extended Agent Communication Framework for Rapid Reconfiguration of Distributed Manufacturing Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 3845-3855.	7.2	10
11	Fault Prediction via Symptom Pattern Extraction Using the Discretized State Vectors of Multisensor Signals. IEEE Transactions on Industrial Informatics, 2019, 15, 922-931.	7.2	13
12	In-Process Noise Detection System for Product Inspection by Using Acoustic Data. IFIP Advances in Information and Communication Technology, 2019, , 413-420.	0.5	0
13	Plant Location Selection for Food Production by Considering the Regional and Seasonal Supply Vulnerability of Raw Materials. Mathematical Problems in Engineering, 2018, 2018, 1-14.	0.6	2
14	An In-Process BSR-Noise Detection System for Car Door Trims. IFIP Advances in Information and Communication Technology, 2018, , 35-38.	0.5	1
15	AR/VR-Based Live Manual for User-Centric Smart Factory Services. IFIP Advances in Information and Communication Technology, 2018, , 417-421.	0.5	5
16	Characterization of System Status Signals for Multivariate Time Series Discretization Based on Frequency and Amplitude Variation. Sensors, 2018, 18, 154.	2.1	5
17	Standard Time Estimation of Manual Tasks via Similarity Measure of Unequal Scale Time Series. IEEE Transactions on Human-Machine Systems, 2018, 48, 241-251.	2.5	5
18	Defect state and severity analysis using discretized state vectors. Journal of Mechanical Science and Technology, 2018, 32, 2441-2451.	0.7	2

#	ARTICLE	IF	CITATIONS
19	Early Degradation Detection of the Insulation Resistance of Multi-Layer Ceramic Capacitors by the Pattern Analysis of Capacitance and Dissipation Signals. <i>Nanoscience and Nanotechnology Letters</i> , 2018, 10, 1227-1231.	0.4	0
20	Empirical Sensitivity Analysis of Discretization Parameters for Fault Pattern Extraction From Multivariate Time Series Data. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 1198-1209.	6.2	18
21	A Dynamic Information-Based Parking Guidance for Megacities considering Both Public and Private Parking. <i>Journal of Advanced Transportation</i> , 2017, 2017, 1-19.	0.9	10
22	The Effects of Laser Welding Direction on Joint Quality for Non-Uniform Part-to-Part Gaps. <i>Metals</i> , 2016, 6, 184.	1.0	5
23	Rapid deployment of remote laser welding processes in automotive assembly systems. <i>CIRP Annals - Manufacturing Technology</i> , 2015, 64, 389-394.	1.7	52
24	Real-time parameter adjustment and fault detection of remote laser welding by using ANN. <i>International Journal of Precision Engineering and Manufacturing</i> , 2014, 15, 979-987.	1.1	6
25	Correlation analysis of the variation of weld seam and tensile strength in laser welding of galvanized steel. <i>Optics and Lasers in Engineering</i> , 2013, 51, 1143-1152.	2.0	46
26	A hybrid model of component sharing and platform modularity for optimal product family design. <i>International Journal of Production Research</i> , 2013, 51, 614-625.	4.9	40
27	Supplier selection problem revisited from the perspective of product configuration. <i>International Journal of Production Research</i> , 2012, 50, 2864-2876.	4.9	29
28	CO ² DE: a decision support system for collaborative design. <i>Journal of Engineering Design</i> , 2010, 21, 31-48.	1.1	18
29	Compatibility Measurement in Collaborative Conceptual Design. <i>CIRP Annals - Manufacturing Technology</i> , 2006, 55, 151-154.	1.7	2