

Myong Kee Jeong

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

2,849
citations

218592
26
h-index

182361
51
g-index

95
all docs

95
docs citations

95
times ranked

3104
citing authors

#	ARTICLE	IF	CITATIONS
1	Online-SVR for short-term traffic flow prediction under typical and atypical traffic conditions. Expert Systems With Applications, 2009, 36, 6164-6173.	4.4	660
2	Weighted dynamic time warping for time series classification. Pattern Recognition, 2011, 44, 2231-2240.	5.1	478
3	Automatic Identification of Defect Patterns in Semiconductor Wafer Maps Using Spatial Correlogram and Dynamic Time Warping. IEEE Transactions on Semiconductor Manufacturing, 2008, 21, 625-637.	1.4	105
4	Discovery of metabolite features for the modelling and analysis of high-resolution NMR spectra. International Journal of Data Mining and Bioinformatics, 2008, 2, 176.	0.1	84
5	AADT prediction using support vector regression with data-dependent parameters. Expert Systems With Applications, 2009, 36, 2979-2986.	4.4	77
6	Class dependent feature scaling method using naive Bayes classifier for text datamining. Pattern Recognition Letters, 2009, 30, 477-485.	2.6	74
7	Wavelet-Based Data Reduction Techniques for Process Fault Detection. Technometrics, 2006, 48, 26-40.	1.3	53
8	Dual Features Functional Support Vector Machines for Fault Detection of Rechargeable Batteries. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2009, 39, 480-485.	3.3	48
9	A differentiated one-class classification method with applications to intrusion detection. Expert Systems With Applications, 2012, 39, 3899-3905.	4.4	45
10	New multi-stage similarity measure for calculation of pairwise patent similarity in a patent citation network. Scientometrics, 2015, 103, 565-581.	1.6	44
11	Genetic algorithm-based feature selection in high-resolution NMR spectra. Expert Systems With Applications, 2008, 35, 967-975.	4.4	38
12	A New Feature Selection Method for One-Class Classification Problems. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 1500-1509.	3.3	38
13	Online license plate matching procedures using license-plate recognition machines and new weighted edit distance. Transportation Research Part C: Emerging Technologies, 2012, 21, 306-320.	3.9	38
14	A wavelet-based freeway incident detection algorithm with adapting threshold parameters. Transportation Research Part C: Emerging Technologies, 2011, 19, 1-19.	3.9	36
15	Generalized support vector data description for anomaly detection. Pattern Recognition, 2020, 100, 107119.	5.1	35
16	Robust Probabilistic Multivariate Calibration Model. Technometrics, 2008, 50, 305-316.	1.3	34
17	Patent Clustering and Outlier Ranking Methodologies for Attributed Patent Citation Networks for Technology Opportunity Discovery. IEEE Transactions on Engineering Management, 2016, 63, 426-437.	2.4	34
18	A Hybrid Recommendation Method with Reduced Data for Large-Scale Application. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2010, 40, 557-566.	3.3	33

#	ARTICLE	IF	CITATIONS
19	Frame Packing for Minimizing the Bandwidth Consumption of the FlexRay Static Segment. IEEE Transactions on Industrial Electronics, 2013, 60, 4001-4008.	5.2	33
20	An evolutionary algorithm with the partial sequential forward floating search mutation for large-scale feature selection problems. Journal of the Operational Research Society, 2015, 66, 529-538.	2.1	33
21	Inter-cluster connectivity analysis for technology opportunity discovery. Scientometrics, 2014, 98, 1811-1825.	1.6	32
22	Prediction of internal bond strength in a medium density fiberboard process using multivariate statistical methods and variable selection. Wood Science and Technology, 2008, 42, 521-534.	1.4	31
23	Variable Selection-based Multivariate Cumulative Sum Control Chart. Quality and Reliability Engineering International, 2017, 33, 565-578.	1.4	31
24	Two-phase edge outlier detection method for technology opportunity discovery. Scientometrics, 2017, 113, 1-16.	1.6	30
25	Support vector-based feature selection using Fisher's linear discriminant and Support Vector Machine. Expert Systems With Applications, 2010, 37, 6148-6156.	4.4	27
26	Pattern Recognition Approaches for Identifying Subcortical Targets during Deep Brain Stimulation Surgery. IEEE Intelligent Systems, 2011, 26, 54-63.	4.0	27
27	Improved prediction of biomass composition for switchgrass using reproducing kernel methods with wavelet compressed FT-NIR spectra. Expert Systems With Applications, 2012, 39, 1555-1564.	4.4	27
28	A new clustering validity index for arbitrary shape of clusters. Pattern Recognition Letters, 2018, 112, 263-269.	2.6	27
29	Robust Relevance Vector Machine With Variational Inference for Improving Virtual Metrology Accuracy. IEEE Transactions on Semiconductor Manufacturing, 2014, 27, 83-94.	1.4	23
30	Graph kernel based measure for evaluating the influence of patents in a patent citation network. Expert Systems With Applications, 2015, 42, 1479-1486.	4.4	22
31	Real-time fire detection system based on dynamic time warping of multichannel sensor networks. Fire Safety Journal, 2021, 123, 103364.	1.4	22
32	An Online Self-Learning Algorithm for License Plate Matching. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 1806-1816.	4.7	20
33	Support vector data description for calibration monitoring of remotely located microrobotic system. Journal of Manufacturing Systems, 2006, 25, 196-208.	7.6	19
34	Kernel Ridge Regression with Lagged-Dependent Variable: Applications to Prediction of Internal Bond Strength in a Medium Density Fiberboard Process. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 1011-1020.	3.3	19
35	A generalised uncertain decision tree for defect classification of multiple wafer maps. International Journal of Production Research, 2020, 58, 2805-2821.	4.9	19
36	Tracking Large Trucks in Real Time with License Plate Recognition and Text-Mining Techniques. Transportation Research Record, 2009, 2121, 121-127.	1.0	17

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37	An adaptive step-down procedure for fault variable identification. International Journal of Production Research, 2016, 54, 3187-3200.	4.9	16
38	Step-Down Spatial Randomness Test for Detecting Abnormalities in DRAM Wafers with Multiple Spatial Maps. IEEE Transactions on Semiconductor Manufacturing, 2016, 29, 57-65.	1.4	16
39	Object-to-group probabilistic distance measure for uncertain data classification. Neurocomputing, 2017, 230, 143-151.	3.5	16
40	Adaptive support vector regression analysis of closed-loop inspection accuracy. International Journal of Machine Tools and Manufacture, 2006, 46, 603-610.	6.2	15
41	A two-leveled symbiotic evolutionary algorithm for clustering problems. Applied Intelligence, 2012, 36, 788-799.	3.3	15
42	Adaptive weigh-in-motion algorithms for truck weight enforcement. Transportation Research Part C: Emerging Technologies, 2012, 24, 256-269.	3.9	15
43	Real-Time Fire Detection Algorithm Based on Support Vector Machine with Dynamic Time Warping Kernel Function. Fire Technology, 2021, 57, 2929-2953.	1.5	15
44	Multidimensional local spatial autocorrelation measure for integrating spatial and spectral information in hyperspectral image band selection. Applied Intelligence, 2012, 36, 542-552.	3.3	14
45	Regularized asymmetric nonnegative matrix factorization for clustering in directed networks. Pattern Recognition Letters, 2019, 125, 750-757.	2.6	14
46	Automated Detection of Influential Patents Using Singular Values. IEEE Transactions on Automation Science and Engineering, 2012, 9, 723-733.	3.4	13
47	A Novel Method for Identifying Competitors Using a Financial Transaction Network. IEEE Transactions on Engineering Management, 2022, 69, 845-860.	2.4	13
48	Thresholded scalogram and its applications in process fault detection. Applied Stochastic Models in Business and Industry, 2003, 19, 231-244.	0.9	12
49	A Network Structural Approach to the Link Prediction Problem. INFORMS Journal on Computing, 2015, 27, 249-267.	1.0	12
50	Intelligent Multi-Sensor Detection System for Monitoring Indoor Building Fires. IEEE Sensors Journal, 2021, 21, 27982-27992.	2.4	12
51	Deep Autoencoder With Clipping Fusion Regularization on Multistep Process Signals for Virtual Metrology. , 2019, 3, 1-4.		11
52	An adaptive thresholding-based process variability monitoring. Journal of Quality Technology, 2019, 51, 242-256.	1.8	11
53	Integrated Variable Importance Assessment in Multi-Stage Processes. IEEE Transactions on Semiconductor Manufacturing, 2018, 31, 343-355.	1.4	10
54	A new tolerance design method for a secondary rechargeable battery using design of experiments with mixture. Quality and Reliability Engineering International, 2008, 24, 543-556.	1.4	9

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55	Functional Kernel-Based Modeling of Wavelet Compressed Optical Emission Spectral Data: Prediction of Plasma Etch Process. <i>IEEE Sensors Journal</i> , 2010, 10, 746-754.	2.4	9
56	Generalized smoothing parameters of a multivariate EWMA control chart. <i>IIEE Transactions</i> , 2017, 49, 58-69.	1.6	9
57	Monitoring multistage processes with autocorrelated observations. <i>International Journal of Production Research</i> , 2017, 55, 2385-2396.	4.9	9
58	Dependence-biased clustering for variable selection with random forests. <i>Pattern Recognition</i> , 2019, 96, 106980.	5.1	9
59	Bayesian framework for fault variable identification. <i>Journal of Quality Technology</i> , 2019, 51, 375-391.	1.8	9
60	Monitoring and control of beta-distributed multistage production processes. <i>Quality Technology and Quantitative Management</i> , 2019, 16, 1-18.	1.1	8
61	A penalized likelihood-based quality monitoring via L_2 -norm regularization for high-dimensional processes. <i>Journal of Quality Technology</i> , 2020, 52, 265-280.	1.8	8
62	New node anomaly detection algorithm based on nonnegative matrix factorization for directed citation networks. <i>Annals of Operations Research</i> , 2020, 288, 457-474.	2.6	8
63	Measures of Scatter and Fisher Discriminant Analysis for Uncertain Data. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 1690-1703.	5.9	8
64	Object-based cluster validation with densities. <i>Pattern Recognition</i> , 2022, 121, 108223.	5.1	8
65	Enhanced predictions of wood properties using hybrid models of PCR and PLS with high-dimensional NIR spectral data. <i>Annals of Operations Research</i> , 2011, 190, 3-15.	2.6	7
66	Robust Kriging models in computer experiments. <i>Journal of the Operational Research Society</i> , 2016, 67, 644-653.	2.1	7
67	Multilevel spatial randomness approach for monitoring changes in 3D topographic surfaces. <i>International Journal of Production Research</i> , 2020, 58, 5545-5558.	4.9	7
68	Evolutionary refinement approaches for band selection of hyperspectral images with applications to automatic monitoring of animal feed quality. <i>Intelligent Data Analysis</i> , 2014, 18, 25-42.	0.4	6
69	The sparse signomial classification and regression model. <i>Annals of Operations Research</i> , 2014, 216, 257-286.	2.6	6
70	A robust support vector regression with a linear-log concave loss function. <i>Journal of the Operational Research Society</i> , 2016, 67, 735-742.	2.1	6
71	Robust kernel-based regression with bounded influence for outliers. <i>Journal of the Operational Research Society</i> , 2015, 66, 1385-1398.	2.1	5
72	Data mining-based variable assessment methodology for evaluating the contribution of knowledge services of a public research institute to business performance of firms. <i>Expert Systems With Applications</i> , 2017, 84, 37-48.	4.4	5

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73	Robust relevance vector machine for classification with variational inference. Annals of Operations Research, 2018, 263, 21-43.	2.6	5
74	Online monitoring and diagnosis of batch processes: empirical model-based framework and a case study. International Journal of Production Research, 2006, 44, 2361-2378.	4.9	4
75	Data reduction for multiple functional data with class information. International Journal of Production Research, 2006, 44, 2695-2710.	4.9	4
76	Quick assessment of the thermal decomposition behavior of lignocellulosic biomass by near infrared spectroscopy and its statistical analysis. Journal of Applied Polymer Science, 2009, 114, 3229-3234.	1.3	4
77	Comparisons of classification methods in the original and pattern spaces. Expert Systems With Applications, 2011, 38, 12432-12438.	4.4	4
78	Residual-Based Surface Segmentation for Monitoring Topographic Variations. IEEE Transactions on Automation Science and Engineering, 2022, 19, 280-294.	3.4	4
79	Methodology for assessing the contribution of knowledge services during the new product development process to business performance. Expert Systems With Applications, 2021, 167, 113860.	4.4	4
80	New multivariate kernel density estimator for uncertain data classification. Annals of Operations Research, 2021, 303, 413-431.	2.6	4
81	Data-reduction method for spatial data using a structured wavelet model. International Journal of Production Research, 2007, 45, 2295-2311.	4.9	3
82	Recursive support vector censored regression for monitoring product quality based on degradation profiles. Applied Intelligence, 2011, 35, 63-74.	3.3	3
83	Predictive modeling and analysis of HfO ₂ thin film process based on Bayesian information criterion using PCA-based neural networks. Surface and Interface Analysis, 2013, 45, 1334-1339.	0.8	3
84	Statistical process control procedures for functional data with systematic local variations. IIEE Transactions, 2018, 50, 448-462.	1.6	3
85	Validity indices for clusters of uncertain data objects. Annals of Operations Research, 2021, 303, 321-357.	2.6	3
86	Spatially weighted graph theory-based approach for monitoring faults in 3D topographic surfaces. International Journal of Production Research, 2021, 59, 6382-6399.	4.9	3
87	Restricted Relevance Vector Machine for Missing Data and Application to Virtual Metrology. IEEE Transactions on Automation Science and Engineering, 2022, 19, 3172-3183.	3.4	3
88	Monitoring variations in multimode surface topography. International Journal of Production Research, 0, , 1-17.	4.9	3
89	A Bayesian parallel site methodology with an application to uniformity modeling in semiconductor manufacturing. IIE Transactions, 2009, 41, 754-763.	2.1	2
90	Support vector regression for polyhedral and missing data. Annals of Operations Research, 2021, 303, 483-506.	2.6	1

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91	Multi-Label Separation-Deviation Surface Model for Detecting Spatial Defects in Topographic Surfaces. IEEE Transactions on Industrial Informatics, 2021, 17, 4555-4565.	7.2	1
92	A dynamic graph-based approach to ranking firms for identifying key players using inter-firm transactions. Annals of Operations Research, 2021, 303, 5-27.	2.6	1
93	Generalised spatially weighted autocorrelation approach for monitoring and diagnosing faults in 3D topographic surfaces. International Journal of Production Research, 2023, 61, 541-558.	4.9	1
94	Special Issue on INFORMS 2015 Annual Meeting. Quality and Reliability Engineering International, 2016, 32, 2637-2638.	1.4	0
95	A Novel Similarity-Based Link Prediction Approach for Transaction Networks. IEEE Transactions on Engineering Management, 2024, 71, 981-992.	2.4	0