Myong Kee Jeong

List of Publications by Year
in descending order

95 papers	2,849 citations	249298 26 h-index	206121 51 g-index
95 all docs	95 docs citations	95 times ranked	3497 citing authors

#	Article	IF	Citations
1	A Novel Similarity-Based Link Prediction Approach for Transaction Networks. IEEE Transactions on Engineering Management, 2024, 71, 981-992.	2.4	0
2	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
3	A Novel Method for Identifying Competitors Using a Financial Transaction Network. IEEE Transactions on Engineering Management, 2022, 69, 845-860.	2.4	13
4	Residual-Based Surface Segmentation for Monitoring Topographic Variations. IEEE Transactions on Automation Science and Engineering, 2022, 19, 280-294.	3.4	4
5	Object-based cluster validation with densities. Pattern Recognition, 2022, 121, 108223.	5.1	8
6	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
7	Validity indices for clusters of uncertain data objects. Annals of Operations Research, 2021, 303, 321-357.	2.6	3
8	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
9	Measures of Scatter and Fisher Discriminant Analysis for Uncertain Data. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1690-1703.	5.9	8
10	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
11	Support vector regression for polyhedral and missing data. Annals of Operations Research, 2021, 303, 483-506.	2.6	1
12	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
13	New multivariate kernel density estimator for uncertain data classification. Annals of Operations Research, 2021, 303, 413-431.	2.6	4
14	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
15	Real-time fire detection system based on dynamic time warping of multichannel sensor networks. Fire Safety Journal, 2021, 123, 103364.	1.4	22
16	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
17	Intelligent Multi-Sensor Detection System for Monitoring Indoor Building Fires. IEEE Sensors Journal, 2021, 21, 27982-27992.	2.4	12
18	A penalized likelihood-based quality monitoring via L_2-norm regularization for high-dimensional processes. Journal of Quality Technology, 2020, 52, 265-280.	1.8	8

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19	Multilevel spatial randomness approach for monitoring changes in 3D topographic surfaces. International Journal of Production Research, 2020, 58, 5545-5558.	4.9	7
20	A generalised uncertain decision tree for defect classification of multiple wafer maps. International Journal of Production Research, 2020, 58, 2805-2821.	4.9	19
21	New node anomaly detection algorithm based on nonnegative matrix factorization for directed citation networks. Annals of Operations Research, 2020, 288, 457-474.	2.6	8
22	Generalized support vector data description for anomaly detection. Pattern Recognition, 2020, 100, 107119.	5.1	35
23	Regularized asymmetric nonnegative matrix factorization for clustering in directed networks. Pattern Recognition Letters, 2019, 125, 750-757.	2.6	14
24	Dependence-biased clustering for variable selection with random forests. Pattern Recognition, 2019, 96, 106980.	5.1	9
25	Deep Autoencoder With Clipping Fusion Regularization on Multistep Process Signals for Virtual Metrology. , 2019, 3, 1-4.		11
26	An adaptive thresholding-based process variability monitoring. Journal of Quality Technology, 2019, 51, 242-256.	1.8	11
27	Bayesian framework for fault variable identification. Journal of Quality Technology, 2019, 51, 375-391.	1.8	9
28	Monitoring and control of beta-distributed multistage production processes. Quality Technology and Quantitative Management, 2019, 16, 1-18.	1.1	8
29	Statistical process control procedures for functional data with systematic local variations. IISE Transactions, 2018, 50, 448-462.	1.6	3
30	Robust relevance vector machine for classification with variational inference. Annals of Operations Research, 2018, 263, 21-43.	2.6	5
31	Integrated Variable Importance Assessment in Multi-Stage Processes. IEEE Transactions on Semiconductor Manufacturing, 2018, 31, 343-355.	1.4	10
32	A new clustering validity index for arbitrary shape of clusters. Pattern Recognition Letters, 2018, 112, 263-269.	2.6	27
33	Data mining-based variable assessment methodology for evaluating the contribution of knowledge services of a public research institute to business performance of firms. Expert Systems With Applications, 2017, 84, 37-48.	4.4	5
34	Generalized smoothing parameters of a multivariate EWMA control chart. IISE Transactions, 2017, 49, 58-69.	1.6	9
35	Object-to-group probabilistic distance measure for uncertain data classification. Neurocomputing, 2017, 230, 143-151.	3.5	16
36	Two-phase edge outlier detection method for technology opportunity discovery. Scientometrics, 2017, 113, 1-16.	1.6	30

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37	Monitoring multistage processes with autocorrelated observations. International Journal of Production Research, 2017, 55, 2385-2396.	4.9	9
38	Variable Selection–based Multivariate Cumulative Sum Control Chart. Quality and Reliability Engineering International, 2017, 33, 565-578.	1.4	31
39	An adaptive step-down procedure for fault variable identification. International Journal of Production Research, 2016, 54, 3187-3200.	4.9	16
40	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
41	Special Issue on INFORMS 2015 Annual Meeting. Quality and Reliability Engineering International, 2016, 32, 2637-2638.	1.4	0
42	A robust support vector regression with a linear-log concave loss function. Journal of the Operational Research Society, 2016, 67, 735-742.	2.1	6
43	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
44	Robust Kriging models in computer experiments. Journal of the Operational Research Society, 2016, 67, 644-653.	2.1	7
45	New multi-stage similarity measure for calculation of pairwise patent similarity in a patent citation network. Scientometrics, 2015, 103, 565-581.	1.6	44
46	A Network Structural Approach to the Link Prediction Problem. INFORMS Journal on Computing, 2015, 27, 249-267.	1.0	12
47	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
48	Robust kernel-based regression with bounded influence for outliers. Journal of the Operational Research Society, 2015, 66, 1385-1398.	2.1	5
49	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
50	Evolutionary refinement approaches for band selection of hyperspectral images with applications to automatic monitoring of animal feed quality. Intelligent Data Analysis, 2014, 18, 25-42.	0.4	6
51	Robust Relevance Vector Machine With Variational Inference for Improving Virtual Metrology Accuracy. IEEE Transactions on Semiconductor Manufacturing, 2014, 27, 83-94.	1.4	23
52	Inter-cluster connectivity analysis for technology opportunity discovery. Scientometrics, 2014, 98, 1811-1825.	1.6	32
53	The sparse signomial classification and regression model. Annals of Operations Research, 2014, 216, 257-286.	2.6	6
54	An Online Self-Learning Algorithm for License Plate Matching. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 1806-1816.	4.7	20

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55	Frame Packing for Minimizing the Bandwidth Consumption of the FlexRay Static Segment. IEEE Transactions on Industrial Electronics, 2013, 60, 4001-4008.	5.2	33
56	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
57	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
58	Automated Detection of Influential Patents Using Singular Values. IEEE Transactions on Automation Science and Engineering, 2012, 9, 723-733.	3.4	13
59	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
60	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
61	A two-leveled symbiotic evolutionary algorithm for clustering problems. Applied Intelligence, 2012, 36, 788-799.	3.3	15
62	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
63	A differentiated one-class classification method with applications to intrusion detection. Expert Systems With Applications, 2012, 39, 3899-3905.	4.4	45
64	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
65	Adaptive weigh-in-motion algorithms for truck weight enforcement. Transportation Research Part C: Emerging Technologies, 2012, 24, 256-269.	3.9	15
66	Pattern Recognition Approaches for Identifying Subcortical Targets during Deep Brain Stimulation Surgery. IEEE Intelligent Systems, 2011, 26, 54-63.	4.0	27
67	Enhanced predictions of wood properties using hybrid models of PCR and PLS with high-dimensional NIR spectral data. Annals of Operations Research, 2011, 190, 3-15.	2.6	7
68	Recursive support vector censored regression for monitoring product quality based on degradation profiles. Applied Intelligence, 2011, 35, 63-74.	3.3	3
69	Weighted dynamic time warping for time series classification. Pattern Recognition, 2011, 44, 2231-2240.	5.1	478
70	Comparisons of classification methods in the original and pattern spaces. Expert Systems With Applications, 2011, 38, 12432-12438.	4.4	4
71	A wavelet-based freeway incident detection algorithm with adapting threshold parameters. Transportation Research Part C: Emerging Technologies, 2011, 19, 1-19.	3.9	36
72	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

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73	Functional Kernel-Based Modeling of Wavelet Compressed Optical Emission Spectral Data: Prediction of Plasma Etch Process. IEEE Sensors Journal, 2010, 10, 746-754.	2.4	9
74	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
75	A Bayesian parallel site methodology with an application to uniformity modeling in semiconductor manufacturing. IIE Transactions, 2009, 41, 754-763.	2.1	2
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	Class dependent feature scaling method using naive Bayes classifier for text datamining. Pattern Recognition Letters, 2009, 30, 477-485.	2.6	74
78	AADT prediction using support vector regression with data-dependent parameters. Expert Systems With Applications, 2009, 36, 2979-2986.	4.4	77
79	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
80	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
81	Tracking Large Trucks in Real Time with License Plate Recognition and Text-Mining Techniques. Transportation Research Record, 2009, 2121, 121-127.	1.0	17
82	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
83	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
84	Genetic algorithm-based feature selection in high-resolution NMR spectra. Expert Systems With Applications, 2008, 35, 967-975.	4.4	38
85	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
86	Robust Probabilistic Multivariate Calibration Model. Technometrics, 2008, 50, 305-316.	1.3	34
87	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
88	Data-reduction method for spatial data using a structured wavelet model. International Journal of Production Research, 2007, 45, 2295-2311.	4.9	3
89	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
90	Support vector data description for calibration monitoring of remotely located microrobotic system. Journal of Manufacturing Systems, 2006, 25, 196-208.	7.6	19

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91	Adaptive support vector regression analysis of closed-loop inspection accuracy. International Journal of Machine Tools and Manufacture, 2006, 46, 603-610.	6.2	15
92	Wavelet-Based Data Reduction Techniques for Process Fault Detection. Technometrics, 2006, 48, 26-40.	1.3	53
93	Data reduction for multiple functional data with class information. International Journal of Production Research, 2006, 44, 2695-2710.	4.9	4
94	Thresholded scalogram and its applications in process fault detection. Applied Stochastic Models in Business and Industry, 2003, 19, 231-244.	0.9	12
95	Monitoring variations in multimode surface topography. International Journal of Production Research, 0, , 1-17.	4.9	3