Kwok Leung Tsui

List of Publications by Year in Descending Order

181 papers	6,175 citations	40 h-index	74 g-index
202 ext. papers	7,487 ext. citations	4.2 avg, IF	6.42 L-index

#	Paper	IF	Citations
181	Interpretable online updated weights: Optimized square envelope spectrum for machine condition monitoring and fault diagnosis. *Mechanical Systems and Signal Processing*, **2022**, 169, 108779	7.8	4
180	Multi-Graph Convolutional-Recurrent Neural Network (MGC-RNN) for Short-Term Forecasting of Transit Passenger Flow. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-20	6.1	2
179	Understanding importance of positive and negative signs of optimized weights used in the sum of weighted normalized Fourier spectrum/envelope spectrum for machine condition monitoring. *Mechanical Systems and Signal Processing*, **2022**, 174, 109094	7.8	2
178	OSESgram: Data-Aided Method for Selection of Informative Frequency Bands for Bearing Fault Diagnosis. *IEEE Transactions on Instrumentation and Measurement*, **2022**, 71, 1-10	5.2	1
177	Rapid and Automatic Rail Component Detection Based on AttnConv-net. *IEEE Sensors Journal*, **2021**, 1-1	4	0
176	Assessing elderly's functional balance and mobility via analyzing data from waist-mounted tri-axial wearable accelerometers in timed up and go tests. *BMC Medical Informatics and Decision Making*, **2021**, 21, 108	3.6	2
175	A New Robust Multivariate EWMA Dispersion Control Chart for Individual Observations. *Mathematics*, **2021**, 9, 1038	2.3	4
174	Active Balancing of Lithium-Ion Batteries Using Graph Theory and A-Star Search Algorithm. *IEEE Transactions on Industrial Informatics*, **2021**, 17, 2587-2599	11.9	7
173	. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 8743-8752	8.9	
172	Investigations on quasi-arithmetic means for machine condition monitoring. *Mechanical Systems and Signal Processing*, **2021**, 151, 107451	7.8	21
171	Gini Indices II and III: Two New Sparsity Measures and Their Applications to Machine Condition Monitoring. *IEEE/ASME Transactions on Mechatronics*, **2021**, 1-1	5.5	7
170	Adaptive Weighted Signal Preprocessing Technique for Machine Health Monitoring. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-11	5.2	15
169	A promising new tool for fault diagnosis of railway wheelset bearings: SSO-based Kurtogram. *ISA Transactions*, **2021**,	5.5	3
168	Signal-Disturbance Interfacing Elimination for Unbiased Model Parameter Identification of Lithium-Ion Battery. *IEEE Transactions on Industrial Informatics*, **2021**, 17, 5887-5897	11.9	23
167	Correction to High-Speed Rail Suspension System Health Monitoring Using Multi-Location Vibration Data [Jul 20 2943-2955]. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 22, 6088-6088	6.1	
166	Graphical Big Data: From Simulation to Immersive Visualization. *Creativity in the Twenty First Century*, **2021**, 21-34	0.2	
165	The Variational Kernel-Based 1-D Convolutional Neural Network for Machinery Fault Diagnosis. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-10	5.2	9

164	Automatic Recognition and Analysis of Balance Activity in Community-Dwelling Older Adults: Algorithm Validation.. *Journal of Medical Internet Research*, **2021**, 23, e30135	7.6	1
163	. *IEEE Sensors Journal*, **2020**, 20, 9339-9350	4	5
162	On computing multiple change points for the gamma distribution. *Journal of Quality Technology*, **2020**, 1-22	1.4	2
161	Clinical and Nonclinical Effects on Operative Duration: Evidence from a Database on Thoracic Surgery. *Journal of Healthcare Engineering*, **2020**, 2020, 3582796	3.7	1
160	A Two-Stage Approach for Resource Allocation and Surgery Scheduling With Assistant Surgeons. *IEEE Access*, **2020**, 8, 49487-49496	3.5	2
159	Wearable Device Heart Rate and Activity Data in an Unsupervised Approach to Personalized Sleep Monitoring: Algorithm Validation. *JMIR MHealth and UHealth*, **2020**, 8, e18370	5.5	4
158	A Personalized Health Monitoring System for Community-Dwelling Elderly People in Hong Kong: Design, Implementation, and Evaluation Study. *Journal of Medical Internet Research*, **2020**, 22, e19223	7.6	6
157	Homecare-Oriented Intelligent Long-Term Monitoring of Blood Pressure Using Electrocardiogram Signals. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 7150-7158	11.9	7
156	Data-Driven Battery Health Prognosis Using Adaptive Brownian Motion Model. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 4736-4746	11.9	35
155	Modeling and Analyzing Modeling and Analyzing Impact Factors of Metro Station Ridership: An Approach Based on a General Estimating Equation Factors Influencing Metro Station Ridership: An Approach based on General Estimating Equation. *IEEE Intelligent Transportation Systems Magazine*, **2020**, 12, 195-207	2.6	3
154	. *IEEE Transactions on Automation Science and Engineering*, **2020**, 1-12	4.9	1
153	Identifying and prioritizing factors affecting in-cabin passenger comfort on high-speed rail in China: A fuzzy-based linguistic approach. *Applied Soft Computing Journal*, **2020**, 95, 106558	7.5	27
152	Two-stage robust optimisation for surgery scheduling considering surgeon collaboration. *International Journal of Production Research*, **2020**, 1-14	7.8	1
151	A comprehensive multi-objective mixed integer nonlinear programming model for an integrated elderly care service districting problem. *Annals of Operations Research*, **2020**, 291, 499-529	3.2	9
150	. *IEEE Transactions on Intelligent Transportation Systems*, **2020**, 21, 2943-2955	6.1	6
149	Big Data Opportunities: System Health Monitoring and Management. *IEEE Access*, **2019**, 7, 68853-68867	3.5	9
148	Fostering linguistic decision-making under uncertainty: A proportional interval type-2 hesitant fuzzy TOPSIS approach based on Hamacher aggregation operators and andness optimization models. *Information Sciences*, **2019**, 500, 229-258	7.7	79
147	Monitoring data quality for telehealth systems in the presence of missing data. *International Journal of Medical Informatics*, **2019**, 126, 156-163	5.3	7

146	Regularized Gaussian Mixture Model for High-Dimensional Clustering. *IEEE Transactions on Cybernetics*, **2019**, 49, 3677-3688	10.2	14
145	End of performance prediction of lithium-ion batteries. *Journal of Quality Technology*, **2019**, 51, 198-213	1.4	10
144	Forecasting one-day-forward wellness conditions for community-dwelling elderly with single lead short electrocardiogram signals. *BMC Medical Informatics and Decision Making*, **2019**, 19, 285	3.6	7
143	Dynamic Evolution Analysis of Metro Network Connectivity and Bottleneck Identification: From the Perspective of Individual Cognition. *IEEE Access*, **2019**, 7, 2042-2052	3.5	2
142	. *IEEE Transactions on Intelligent Transportation Systems*, **2019**, 20, 3613-3622	6.1	43
141	Preliminary Agreement on Tracking Sleep Between a Wrist-Worn Device Fitbit Alta and Consensus Sleep Diary. *Telemedicine Journal and E-Health*, **2019**, 25, 1189-1197	5.9	7
140	Impact of resources and monitoring effectiveness on prognostics enabled condition based maintenance policy. *Journal of Simulation*, **2019**, 13, 254-271	1.9	1
139	A profile monitoring of the multi-stage process. *Quality Technology and Quantitative Management*, **2019**, 16, 407-423	1.9	1
138	Prognostics and Health Management: A Review of Vibration Based Bearing and Gear Health Indicators. *IEEE Access*, **2018**, 6, 665-676	3.5	215
137	A study of the relationship between coulombic efficiency and capacity degradation of commercial lithium-ion batteries. *Energy*, **2018**, 145, 486-495	7.9	121
136	Customizing Semantics for Individuals With Attitudinal HFLTS Possibility Distributions. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 3452-3466	8.3	48
135	A Noise Resistant Correlation Method for Period Detection of Noisy Signals. *IEEE Transactions on Signal Processing*, **2018**, 66, 2700-2710	4.8	13
134	Design for Sequential Follow-Up Experiments in Computer Emulations. *Technometrics*, **2018**, 60, 61-69	1.4	8
133	Flexible sliced designs for computer experiments. *Annals of the Institute of Statistical Mathematics*, **2018**, 70, 631-646	1	5
132	Brownian motion with adaptive drift for remaining useful life prediction: Revisited. *Mechanical Systems and Signal Processing*, **2018**, 99, 691-701	7.8	62
131	Personalized Health Monitoring System of Elderly Wellness at the Community Level in Hong Kong. *IEEE Access*, **2018**, 6, 35558-35567	3.5	24
130	EEMD-Based Steady-State Indexes and Their Applications to Condition Monitoring and Fault Diagnosis of Railway Axle Bearings. *Sensors*, **2018**, 18,	3.8	22
129	Using Baidu index to nowcast hand-foot-mouth disease in China: a meta learning approach. *BMC Infectious Diseases*, **2018**, 18, 398	4	11

128	Simultaneously characterizing the comparative economics of routine female adolescent nonavalent human papillomavirus (HPV) vaccination and assortativity of sexual mixing in Hong Kong Chinese: a modeling analysis. *BMC Medicine*, **2018**, 16, 127	11.4	8
127	Influence of Flavors on the Propagation of E-Cigarette-Related Information: Social Media Study. *JMIR Public Health and Surveillance*, **2018**, 4, e27	11.4	4
126	A universal deep learning approach for modeling the flow of patients under different severities. *Computer Methods and Programs in Biomedicine*, **2018**, 154, 191-203	6.9	21
125	Condition monitoring of wheel wear for high-speed trains: A data-driven approach **2018**,		3
124	A Framework of Rebalancing Imbalanced Healthcare Data for Rare Events' Classification: A Case of Look-Alike Sound-Alike Mix-Up Incident Detection. *Journal of Healthcare Engineering*, **2018**, 2018, 6275435	3.7	15
123	Symmetric -charts: Sensitivity to nonnormality and control-limit estimation. *Communications in Statistics Part B: Simulation and Computation*, **2017**, 46, 358-378	0.6	
122	Simulation Optimization for Medical Staff Configuration at Emergency Department in Hong Kong. *IEEE Transactions on Automation Science and Engineering*, **2017**, 14, 1655-1665	4.9	19
121	Dynamic resource allocation for efficient patient scheduling: A data-driven approach. *Journal of Systems Science and Systems Engineering*, **2017**, 26, 448-462	1.2	15
120	Implementation of Electronic Health Monitoring Systems at the Community Level in Hong Kong. *Lecture Notes in Computer Science*, **2017**, 94-103	0.9	1
119	Hong Kong Hospital Authority resource efficiency evaluation: Via a novel DEA-Malmquist model and Tobit regression model. *PLoS ONE*, **2017**, 12, e0184211	3.7	15
118	Statistical Modeling of Bearing Degradation Signals. *IEEE Transactions on Reliability*, **2017**, 66, 1331-1344	4.6	51
117	Forecasting tourist arrivals with machine learning and internet search index **2017**,		2
116	Uncovering Hidden Topics in Hong Kong Clinical Research Through Hospital Authority Convention Publications. *Studies in Health Technology and Informatics*, **2017**, 245, 624-628	0.5	
115	Self-Starting Monitoring Scheme for Poisson Count Data With Varying Population Sizes. *Technometrics*, **2016**, 58, 460-471	1.4	14
114	Discussion of Analyzing Behavioral Big Data: Methodological, practical, ethical, and moral issues *Quality Engineering*, **2016**, 0-0	1.4	1
113	The therapist assignment problem in home healthcare structures. *Expert Systems With Applications*, **2016**, 62, 44-62	7.8	17
112	Using simulation and optimisation to characterise durations of emergency department service times with incomplete data. *International Journal of Production Research*, **2016**, 54, 6494-6511	7.8	20
111	Improvement in artificial neural network-based estimation of grid connected photovoltaic power output. *Renewable Energy*, **2016**, 97, 838-848	8.1	30

110	Imbalanced classification by learning hidden data structure. *IIE Transactions*, **2016**, 48, 614-628		6
109	. *IEEE Transactions on Industrial Informatics*, **2016**, 12, 924-932	11.9	170
108	Slider Dynamics and Wear Behaviors at Subnano-Clearance Head–Disk Interface. *IEEE Transactions on Magnetics*, **2016**, 52, 1-9	2	2
107	An In Situ Measurement Method for Electric Potential at Head-Disk Interface Using a Thermal Asperity Sensor. *IEEE Transactions on Magnetics*, **2016**, 52, 1-6	2	
106	CUSUM procedures with probability control limits for monitoring processes with variable sample sizes. *IIE Transactions*, **2016**, 48, 759-771		16
105	Novel Gauss–Hermite integration based Bayesian inference on optimal wavelet parameters for bearing fault diagnosis. *Mechanical Systems and Signal Processing*, **2016**, 72-73, 80-91	7.8	15
104	Differential evolution-based feature selection and parameter optimisation for extreme learning machine in tool wear estimation. *International Journal of Production Research*, **2016**, 54, 4703-4721	7.8	20
103	A comparative study of three model-based algorithms for estimating state-of-charge of lithium-ion batteries under a new combined dynamic loading profile. *Applied Energy*, **2016**, 164, 387-399	10.7	116
102	Probability distribution of CUSUM charting statistics. *IIE Transactions*, **2016**, 48, 324-332		1
101	Economic Evaluation of Individual School Closure Strategies: The Hong Kong 2009 H1N1 Pandemic. *PLoS ONE*, **2016**, 11, e0147052	3.7	13
100	Performance Analysis of a Grid-Connected Upgraded Metallurgical Grade Silicon Photovoltaic System. *Energies*, **2016**, 9, 342	3.1	11
99	A discrete-event simulation study for emergency room capacity management in a Hong Kong hospital **2016**,		5
98	Remaining Useful Life Prediction of Lithium-Ion Batteries Based on Spherical Cubature Particle Filter. *IEEE Transactions on Instrumentation and Measurement*, **2016**, 65, 1282-1291	5.2	138
97	Distance-based analysis of dynamical systems reconstructed from vibrations for bearing diagnostics. *Nonlinear Dynamics*, **2015**, 80, 147-165	5	11
96	A Comparison of Likelihood-Based Spatiotemporal Monitoring Methods Under Non-Homogenous Population Size. *Communications in Statistics Part B: Simulation and Computation*, **2015**, 44, 14-39	0.6	3
95	A Bayesian Approach to Condition Monitoring with Imperfect Inspections. *Quality and Reliability Engineering International*, **2015**, 31, 513-522	2.6	46
94	Flame spread over n-butanol at sub-flash temperature in normal and elevated altitude environments. *Journal of Thermal Analysis and Calorimetry*, **2015**, 119, 401-409	4.1	15
93	Some improvements of wind speed Markov chain modeling. *Renewable Energy*, **2015**, 81, 52-56	8.1	36

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92	. *IEEE Transactions on Reliability*, **2015**, 64, 463-472	4.6	71
91	A window-limited generalized likelihood ratio test for monitoring Poisson processes with linear drifts. *Journal of Statistical Computation and Simulation*, **2015**, 85, 2975-2988	0.9	1
90	Initial Fuel Temperature Effects on Flame Spread over Aviation Kerosene in Low- and High-Altitude Environments. *Fire Technology*, **2015**, 51, 707-721	3	13
89	In Situ Measurement of Seeking Speed and Seeking Induced Head-Disk Interface Instability in Hard Disk Drives. *Shock and Vibration*, **2015**, 2015, 1-7	1.1	
88	Prognostics and Health Management: A Review on Data Driven Approaches. *Mathematical Problems in Engineering*, **2015**, 2015, 1-17	1.1	136
87	Principal Components of Superhigh-Dimensional Statistical Features and Support Vector Machine for Improving Identification Accuracies of Different Gear Crack Levels under Different Working Conditions. *Shock and Vibration*, **2015**, 2015, 1-14	1.1	6
86	Effects of pool dimension on flame spread of aviation kerosene coating on a metal substrate. *International Journal of Heat and Mass Transfer*, **2015**, 84, 54-60	4.9	17
85	The Instability of Angstrom-Scale Head-Disk Interface Induced by Electrostatic Force. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	1
84	An integrated Bayesian approach to prognositics of the remaining useful life and its application on bearing degradation problem **2015**,		2
83	System Informatics: From Methodology to Applications. *IEEE Intelligent Systems*, **2015**, 30, 12-29	4.2	5
82	An adaptive CUSUM chart for monitoring poisson rates with increasing population sizes. *European Journal of Industrial Engineering*, **2015**, 9, 692	1.1	1
81	A Two-Step Parametric Method for Failure Prediction in Hard Disk Drives. *IEEE Transactions on Industrial Informatics*, **2014**, 10, 419-430	11.9	62
80	Stochastic Evaluation of Magnetic Head Wears in Hard Disk Drives. *IEEE Transactions on Magnetics*, **2014**, 50, 1-7	2	23
79	A naive Bayes model for robust remaining useful life prediction of lithium-ion battery. *Applied Energy*, **2014**, 118, 114-123	10.7	172
78	Public health and healthcare surveillance and response. *IIE Transactions*, **2014**, 46, 757-758		
77	A comparison of exponentially weighted moving average-based methods for monitoring increases in incidence rate with varying population size. *IIE Transactions*, **2014**, 46, 798-812		10
76	Tribological Degradation of Head-Disk Interface in Hard Disk Drives Under Accelerated Wear Condition. *IEEE Transactions on Magnetics*, **2014**, 50, 27-33	2	22
75	Statistical Process Control-Based Intrusion Detection and Monitoring. *Quality and Reliability Engineering International*, **2014**, 30, 257-273	2.6	7

74	Spatiotemporal biosurveillance with spatial clusters: control limit approximation and impact of spatial correlation. *IIE Transactions*, **2014**, 46, 813-827		7
73	A Spatial-EWMA Framework for Detecting Clustering. *Quality and Reliability Engineering International*, **2014**, 30, 181-189	2.6	2
72	A one-versus-all class binarization strategy for bearing diagnostics of concurrent defects. *Sensors*, **2014**, 14, 1295-321	3.8	20
71	Study on Flame Spread over Aviation Kerosene and Diesel. *Advanced Materials Research*, **2014**, 1016, 587-591	0.5	4
70	Adaptive CUSUM charts for monitoring linear drifts in Poisson rates. *International Journal of Production Economics*, **2014**, 148, 14-20	9.3	6
69	State of charge estimation of lithium-ion batteries using the open-circuit voltage at various ambient temperatures. *Applied Energy*, **2014**, 113, 106-115	10.7	414
68	CUSUM Procedures for Health Care Surveillance. *Quality and Reliability Engineering International*, **2013**, 29, 883-897	2.6	7
67	Calibration of Stochastic Computer Models Using Stochastic Approximation Methods. *IEEE Transactions on Automation Science and Engineering*, **2013**, 10, 171-186	4.9	18
66	Transmission of methicillin-resistant Staphylococcus aureus in the long term care facilities in Hong Kong. *BMC Infectious Diseases*, **2013**, 13, 205	4	33
65	An enhanced Kurtogram method for fault diagnosis of rolling element bearings. *Mechanical Systems and Signal Processing*, **2013**, 35, 176-199	7.8	254
64	An ensemble model for predicting the remaining useful performance of lithium-ion batteries. *Microelectronics Reliability*, **2013**, 53, 811-820	1.2	254
63	Condition monitoring and remaining useful life prediction using degradation signals: revisited. *IIE Transactions*, **2013**, 45, 939-952		118
62	. *IEEE Transactions on Reliability*, **2013**, 62, 772-780	4.6	238
61	Effect of Low-Frequency Vibration in Z-Direction (Out-of-Plane) on Slider Dynamics. *IEEE Transactions on Magnetics*, **2013**, 49, 4977-4981	2	2
60	Evaluation of run-length distribution for CUSUM charts under gamma distributions. *IIE Transactions*, **2013**, 45, 981-994		11
59	Tracking Infectious Disease Spread for Global Pandemic Containment. *IEEE Intelligent Systems*, **2013**, 28, 60-64	4.2	33
58	Delays in service for non-emergent patients due to arrival of emergent patients in the emergency department: a case study in Hong Kong. *Journal of Emergency Medicine*, **2013**, 45, 271-80	1.5	10
57	Head-Stack Assembly Offtrack Dynamics Investigation via Slider Protrusion Touch Down. *IEEE Transactions on Magnetics*, **2013**, 49, 703-706	2	

56	. *IEEE Transactions on Reliability*, **2013**, 62, 136-145	4.6	66
55	Computation of the run-length percentiles of CUSUM control charts under changes in variances. *Journal of Statistical Computation and Simulation*, **2013**, 83, 1238-1251	0.9	7
54	An enhanced engineering perspective of global climate systems and statistical formulation of terrestrial CO_2 exchanges. *Theoretical and Applied Climatology*, **2012**, 107, 347-359	3	2
53	Combining Relevance Vector Machines and exponential regression for bearing residual life estimation. *Mechanical Systems and Signal Processing*, **2012**, 31, 405-427	7.8	107
52	A standardized scan statistic for detecting spatial clusters with estimated parameters. *Naval Research Logistics*, **2012**, 59, 397-410	1.5	10
51	A simple and robust batch-ordering inventory policy under incomplete demand knowledge. *Computers and Industrial Engineering*, **2012**, 63, 343-353	6.4	3
50	Real-time prediction models for output power and efficiency of grid-connected solar photovoltaic systems. *Applied Energy*, **2012**, 93, 319-326	10.7	72
49	A review and comparison of likelihood-based charting methods. *IIE Transactions*, **2012**, 44, 724-743		22
48	. *IEEE Transactions on Reliability*, **2011**, 60, 49-58	4.6	24
47	Reactive strategies for containing developing outbreaks of pandemic influenza. *BMC Public Health*, **2011**, 11 Suppl 1, S1	4.1	39
46	Spatiotemporal surveillance methods in the presence of spatial correlation. *Statistics in Medicine*, **2011**, 30, 569-83	2.3	43
45	Comments on 'some methodological issues in biosurveillance'. *Statistics in Medicine*, **2011**, 30, 430-3; discussion 434-41	2.3	2
44	A comparison of weighted CUSUM procedures that account for monotone changes in population size. *Statistics in Medicine*, **2011**, 30, 725-41	2.3	21
43	**2011**,		2
42	Adaptive EWMA procedures for monitoring processes subject to linear drifts. *Computational Statistics and Data Analysis*, **2011**, 55, 2819-2829	1.6	30
41	Battery Management Systems in Electric and Hybrid Vehicles. *Energies*, **2011**, 4, 1840-1857	3.1	242
40	Integration of classification algorithms and control chart techniques for monitoring multivariate processes. *Journal of Statistical Computation and Simulation*, **2011**, 81, 1897-1911	0.9	13
39	Adjusted support vector machines based on a new loss function. *Annals of Operations Research*, **2010**, 174, 83-101	3.2	12

No.	Reference	IF	Cites
38	A comparison of CUSUM, EWMA, and temporal scan statistics for detection of increases in poisson rates. *Quality and Reliability Engineering International*, **2010**, 26, 279-289	2.6	45
37	Linear-mixed effects models for feature selection in high-dimensional NMR spectra. *Expert Systems With Applications*, **2009**, 36, 4703-4708	7.8	14
36	A finite-sample simulation study of cross validation in tree-based models. *Information Technology and Management*, **2009**, 10, 223-233	1.8	3
35	A better understanding of model updating strategies in validating engineering models. *Computer Methods in Applied Mechanics and Engineering*, **2009**, 198, 1327-1337	5.7	98
34	Monitoring autocorrelated processes using a distribution-free tabular CUSUM chart with automated variance estimation. *IIE Transactions*, **2009**, 41, 979-994		11
33	Bayesian Validation of Computer Models. *Technometrics*, **2009**, 51, 439-451	1.4	88
32	A comparison study and discussion of the Mahalanobis-Taguchi System. *International Journal of Industrial and Systems Engineering*, **2009**, 4, 631	0.4	18
31	A theoretical framework and efficiency study of multivariate statistical process control charts. *IIE Transactions*, **2008**, 40, 650-663		26
30	A Review of Healthcare, Public Health, and Syndromic Surveillance. *Quality Engineering*, **2008**, 20, 435-450	1.4	54
29	A Design-Driven Validation Approach Using Bayesian Prediction Models. *Journal of Mechanical Design, Transactions of the ASME*, **2008**, 130,	3	69
28	A New Variable-Fidelity Optimization Framework Based on Model Fusion and Objective-Oriented Sequential Sampling. *Journal of Mechanical Design, Transactions of the ASME*, **2008**, 130,	3	58
27	A distribution-free tabular CUSUM chart for autocorrelated data. *IIE Transactions*, **2007**, 39, 317-330		48
26	A New Variable Fidelity Optimization Framework Based on Model Fusion and Objective-Oriented Sequential Sampling **2007**, 699		3
25	A statistical process control approach to business activity monitoring. *IIE Transactions*, **2007**, 39, 235-249		32
24	FBP: A Frontier-Based Tree-Pruning Algorithm. *INFORMS Journal on Computing*, **2006**, 18, 494-505	2.4	12
23	Churn detection via customer profile modelling. *International Journal of Production Research*, **2006**, 44, 2913-2933	7.8	22
22	A review on design, modeling and applications of computer experiments. *IIE Transactions*, **2006**, 38, 273-291		222
21	Effects of estimation errors on cause-selecting charts. *IIE Transactions*, **2005**, 37, 559-567		39

20	A review of robust design methods for multiple responses. *Research in Engineering Design - Theory, Applications, and Concurrent Engineering*, **2005**, 15, 201-215	3.5	61
19	A review of robust design methods for multiple responses. *Research in Engineering Design - Theory, Applications, and Concurrent Engineering*, **2005**, 16, 118-132	3.5	53
18	A scale model for fitting object shapes from fixed location data. *IIE Transactions*, **2004**, 36, 1099-1105		5
17	Ch. 7. A review of design and modeling in computer experiments. *Handbook of Statistics*, **2003**, 231-261	0.6	36
16	A mean-shift pattern study on integration of SPC and APC for process monitoring. *IIE Transactions*, **2003**, 35, 231-242		51
15	Foot landmarking for footwear customization. *Ergonomics*, **2003**, 46, 364-83	2.9	48
14	Proportional Integral Derivative Charts for Process Monitoring. *Technometrics*, **2002**, 44, 205-214	1.4	28
13	A Minimum Bias Latin Hypercube Design. *IIE Transactions*, **2001**, 33, 793-808		1
12	Modeling and analysis of dynamic robust design experiments. *IIE Transactions*, **1999**, 31, 1113-1122		2
11	Avoiding unnecessary bias in robust design analysis. *Computational Statistics and Data Analysis*, **1994**, 18, 535-546	1.6	5
10	COUNTEREXAMPLES FOR THE COMPONENT SEARCH PROCEDURE. *Quality Engineering*, **1993**, 5, 545-552	2.4	3
9	Response model analysis for robust design experiments. *Communications in Statistics Part B: Simulation and Computation*, **1993**, 22, 1037-1064	0.6	26
8	Multivariate control charts based on loss functions. *Sequential Analysis*, **1993**, 12, 79-92	0.7	19
7	AN OVERVIEW OF TAGUCHI METHOD AND NEWLY DEVELOPED STATISTICAL METHODS FOR ROBUST DESIGN. *IIE Transactions*, **1992**, 24, 44-57		194
6	Economical Experimentation Methods for Robust Design. *Technometrics*, **1991**, 33, 415-427	1.4	204
5	A Nonparametric Approach to the Truncated Regression Problem. *Journal of the American Statistical Association*, **1988**, 83, 785-792	2.8	27
4	Covariance structure analysis in several populations. *Psychometrika*, **1982**, 47, 297-308	2.2	45
3	Evaluation of mean-time-to-failure based on nonlinear degradation data with applications. *IISE Transactions*,1-18	3.3	1

| 2 | Monitoring dynamic networks: A simulation-based strategy for comparing monitoring methods and a comparative study. *Quality and Reliability Engineering International,* | 2.6 | 3 |
| 1 | Short-term forecasting of origin-destination matrix in transit system via a deep learning approach. *Transportmetrica A: Transport Science,*1-28 | 2.5 | 0 |