

Kwok Leung Tsui

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	State of charge estimation of lithium-ion batteries using the open-circuit voltage at various ambient temperatures. <i>Applied Energy</i> , 2014 , 113, 106-115	10.7	414
180	An enhanced Kurtogram method for fault diagnosis of rolling element bearings. <i>Mechanical Systems and Signal Processing</i> , 2013 , 35, 176-199	7.8	254
179	An ensemble model for predicting the remaining useful performance of lithium-ion batteries. <i>Microelectronics Reliability</i> , 2013 , 53, 811-820	1.2	254
178	Battery Management Systems in Electric and Hybrid Vehicles. <i>Energies</i> , 2011 , 4, 1840-1857	3.1	242
177	. <i>IEEE Transactions on Reliability</i> , 2013 , 62, 772-780	4.6	238
176	A review on design, modeling and applications of computer experiments. <i>IIE Transactions</i> , 2006 , 38, 273-291		222
175	Prognostics and Health Management: A Review of Vibration Based Bearing and Gear Health Indicators. <i>IEEE Access</i> , 2018 , 6, 665-676	3.5	215
174	Economical Experimentation Methods for Robust Design. <i>Technometrics</i> , 1991 , 33, 415-427	1.4	204
173	AN OVERVIEW OF TAGUCHI METHOD AND NEWLY DEVELOPED STATISTICAL METHODS FOR ROBUST DESIGN. <i>IIE Transactions</i> , 1992 , 24, 44-57		194
172	A naive Bayes model for robust remaining useful life prediction of lithium-ion battery. <i>Applied Energy</i> , 2014 , 118, 114-123	10.7	172
171	. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 924-932	11.9	170
170	Remaining Useful Life Prediction of Lithium-Ion Batteries Based on Spherical Cubature Particle Filter. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2016 , 65, 1282-1291	5.2	138
169	Prognostics and Health Management: A Review on Data Driven Approaches. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-17	1.1	136
168	A study of the relationship between coulombic efficiency and capacity degradation of commercial lithium-ion batteries. <i>Energy</i> , 2018 , 145, 486-495	7.9	121
167	Condition monitoring and remaining useful life prediction using degradation signals: revisited. <i>IIE Transactions</i> , 2013 , 45, 939-952		118
166	A comparative study of three model-based algorithms for estimating state-of-charge of lithium-ion batteries under a new combined dynamic loading profile. <i>Applied Energy</i> , 2016 , 164, 387-399	10.7	116
165	Combining Relevance Vector Machines and exponential regression for bearing residual life estimation. <i>Mechanical Systems and Signal Processing</i> , 2012 , 31, 405-427	7.8	107

164	A better understanding of model updating strategies in validating engineering models. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2009 , 198, 1327-1337	5.7	98
163	Bayesian Validation of Computer Models. <i>Technometrics</i> , 2009 , 51, 439-451	1.4	88
162	Fostering linguistic decision-making under uncertainty: A proportional interval type-2 hesitant fuzzy TOPSIS approach based on Hamacher aggregation operators and andness optimization models. <i>Information Sciences</i> , 2019 , 500, 229-258	7.7	79
161	Real-time prediction models for output power and efficiency of grid-connected solar photovoltaic systems. <i>Applied Energy</i> , 2012 , 93, 319-326	10.7	72
160	. <i>IEEE Transactions on Reliability</i> , 2015 , 64, 463-472	4.6	71
159	A Design-Driven Validation Approach Using Bayesian Prediction Models. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2008 , 130,	3	69
158	. <i>IEEE Transactions on Reliability</i> , 2013 , 62, 136-145	4.6	66
157	Brownian motion with adaptive drift for remaining useful life prediction: Revisited. <i>Mechanical Systems and Signal Processing</i> , 2018 , 99, 691-701	7.8	62
156	A Two-Step Parametric Method for Failure Prediction in Hard Disk Drives. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 419-430	11.9	62
155	A review of robust design methods for multiple responses. <i>Research in Engineering Design - Theory, Applications, and Concurrent Engineering</i> , 2005 , 15, 201-215	3.5	61
154	A New Variable-Fidelity Optimization Framework Based on Model Fusion and Objective-Oriented Sequential Sampling. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2008 , 130,	3	58
153	A Review of Healthcare, Public Health, and Syndromic Surveillance. <i>Quality Engineering</i> , 2008 , 20, 435-450	4	54
152	A review of robust design methods for multiple responses. <i>Research in Engineering Design - Theory, Applications, and Concurrent Engineering</i> , 2005 , 16, 118-132	3.5	53
151	Statistical Modeling of Bearing Degradation Signals. <i>IEEE Transactions on Reliability</i> , 2017 , 66, 1331-1344	4.6	51
150	A mean-shift pattern study on integration of SPC and APC for process monitoring. <i>IIE Transactions</i> , 2003 , 35, 231-242		51
149	Customizing Semantics for Individuals With Attitudinal HFLTS Possibility Distributions. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 3452-3466	8.3	48
148	A distribution-free tabular CUSUM chart for autocorrelated data. <i>IIE Transactions</i> , 2007 , 39, 317-330		48
147	Foot landmarking for footwear customization. <i>Ergonomics</i> , 2003 , 46, 364-83	2.9	48

146	A Bayesian Approach to Condition Monitoring with Imperfect Inspections. <i>Quality and Reliability Engineering International</i> , 2015 , 31, 513-522	2.6	46
145	A comparison of CUSUM, EWMA, and temporal scan statistics for detection of increases in poisson rates. <i>Quality and Reliability Engineering International</i> , 2010 , 26, 279-289	2.6	45
144	Covariance structure analysis in several populations. <i>Psychometrika</i> , 1982 , 47, 297-308	2.2	45
143	Spatiotemporal surveillance methods in the presence of spatial correlation. <i>Statistics in Medicine</i> , 2011 , 30, 569-83	2.3	43
142	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019 , 20, 3613-3622	6.1	43
141	Reactive strategies for containing developing outbreaks of pandemic influenza. <i>BMC Public Health</i> , 2011 , 11 Suppl 1, S1	4.1	39
140	Effects of estimation errors on cause-selecting charts. <i>IIE Transactions</i> , 2005 , 37, 559-567		39
139	Some improvements of wind speed Markov chain modeling. <i>Renewable Energy</i> , 2015 , 81, 52-56	8.1	36
138	Ch. 7. A review of design and modeling in computer experiments. <i>Handbook of Statistics</i> , 2003 , 231-261	0.6	36
137	Data-Driven Battery Health Prognosis Using Adaptive Brownian Motion Model. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 4736-4746	11.9	35
136	Transmission of methicillin-resistant Staphylococcus aureus in the long term care facilities in Hong Kong. <i>BMC Infectious Diseases</i> , 2013 , 13, 205	4	33
135	Tracking Infectious Disease Spread for Global Pandemic Containment. <i>IEEE Intelligent Systems</i> , 2013 , 28, 60-64	4.2	33
134	A statistical process control approach to business activity monitoring. <i>IIE Transactions</i> , 2007 , 39, 235-249		32
133	Improvement in artificial neural network-based estimation of grid connected photovoltaic power output. <i>Renewable Energy</i> , 2016 , 97, 838-848	8.1	30
132	Adaptive EWMA procedures for monitoring processes subject to linear drifts. <i>Computational Statistics and Data Analysis</i> , 2011 , 55, 2819-2829	1.6	30
131	Proportional Integral Derivative Charts for Process Monitoring. <i>Technometrics</i> , 2002 , 44, 205-214	1.4	28
130	A Nonparametric Approach to the Truncated Regression Problem. <i>Journal of the American Statistical Association</i> , 1988 , 83, 785-792	2.8	27
129	Identifying and prioritizing factors affecting in-cabin passenger comfort on high-speed rail in China: A fuzzy-based linguistic approach. <i>Applied Soft Computing Journal</i> , 2020 , 95, 106558	7.5	27

128	A theoretical framework and efficiency study of multivariate statistical process control charts. <i>IIE Transactions</i> , 2008 , 40, 650-663		26
127	Response model analysis for robust design experiments. <i>Communications in Statistics Part B: Simulation and Computation</i> , 1993 , 22, 1037-1064	0.6	26
126	Personalized Health Monitoring System of Elderly Wellness at the Community Level in Hong Kong. <i>IEEE Access</i> , 2018 , 6, 35558-35567	3.5	24
125	. <i>IEEE Transactions on Reliability</i> , 2011 , 60, 49-58	4.6	24
124	Stochastic Evaluation of Magnetic Head Wears in Hard Disk Drives. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-7	2	23
123	Signal-Disturbance Interfacing Elimination for Unbiased Model Parameter Identification of Lithium-Ion Battery. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 5887-5897	11.9	23
122	EEMD-Based Steady-State Indexes and Their Applications to Condition Monitoring and Fault Diagnosis of Railway Axle Bearings. <i>Sensors</i> , 2018 , 18,	3.8	22
121	Tribological Degradation of HeadDisk Interface in Hard Disk Drives Under Accelerated Wear Condition. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 27-33	2	22
120	A review and comparison of likelihood-based charting methods. <i>IIE Transactions</i> , 2012 , 44, 724-743		22
119	Churn detection via customer profile modelling. <i>International Journal of Production Research</i> , 2006 , 44, 2913-2933	7.8	22
118	A comparison of weighted CUSUM procedures that account for monotone changes in population size. <i>Statistics in Medicine</i> , 2011 , 30, 725-41	2.3	21
117	Investigations on quasi-arithmetic means for machine condition monitoring. <i>Mechanical Systems and Signal Processing</i> , 2021 , 151, 107451	7.8	21
116	A universal deep learning approach for modeling the flow of patients under different severities. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 154, 191-203	6.9	21
115	Using simulation and optimisation to characterise durations of emergency department service times with incomplete data. <i>International Journal of Production Research</i> , 2016 , 54, 6494-6511	7.8	20
114	Differential evolution-based feature selection and parameter optimisation for extreme learning machine in tool wear estimation. <i>International Journal of Production Research</i> , 2016 , 54, 4703-4721	7.8	20
113	A one-versus-all class binarization strategy for bearing diagnostics of concurrent defects. <i>Sensors</i> , 2014 , 14, 1295-321	3.8	20
112	Simulation Optimization for Medical Staff Configuration at Emergency Department in Hong Kong. <i>IEEE Transactions on Automation Science and Engineering</i> , 2017 , 14, 1655-1665	4.9	19
111	Multivariate control charts based on loss functions. <i>Sequential Analysis</i> , 1993 , 12, 79-92	0.7	19

110	Calibration of Stochastic Computer Models Using Stochastic Approximation Methods. <i>IEEE Transactions on Automation Science and Engineering</i> , 2013 , 10, 171-186	4.9	18
109	A comparison study and discussion of the Mahalanobis-Taguchi System. <i>International Journal of Industrial and Systems Engineering</i> , 2009 , 4, 631	0.4	18
108	The therapist assignment problem in home healthcare structures. <i>Expert Systems With Applications</i> , 2016 , 62, 44-62	7.8	17
107	Effects of pool dimension on flame spread of aviation kerosene coating on a metal substrate. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 84, 54-60	4.9	17
106	CUSUM procedures with probability control limits for monitoring processes with variable sample sizes. <i>IIE Transactions</i> , 2016 , 48, 759-771		16
105	Dynamic resource allocation for efficient patient scheduling: A data-driven approach. <i>Journal of Systems Science and Systems Engineering</i> , 2017 , 26, 448-462	1.2	15
104	Flame spread over n-butanol at sub-flash temperature in normal and elevated altitude environments. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 119, 401-409	4.1	15
103	Hong Kong Hospital Authority resource efficiency evaluation: Via a novel DEA-Malmquist model and Tobit regression model. <i>PLoS ONE</i> , 2017 , 12, e0184211	3.7	15
102	Novel Gauss-Hermite integration based Bayesian inference on optimal wavelet parameters for bearing fault diagnosis. <i>Mechanical Systems and Signal Processing</i> , 2016 , 72-73, 80-91	7.8	15
101	Adaptive Weighted Signal Preprocessing Technique for Machine Health Monitoring. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-11	5.2	15
100	A Framework of Rebalancing Imbalanced Healthcare Data for Rare Events' Classification: A Case of Look-Alike Sound-Alike Mix-Up Incident Detection. <i>Journal of Healthcare Engineering</i> , 2018 , 2018, 6275433	3.7	15
99	Self-Starting Monitoring Scheme for Poisson Count Data With Varying Population Sizes. <i>Technometrics</i> , 2016 , 58, 460-471	1.4	14
98	Regularized Gaussian Mixture Model for High-Dimensional Clustering. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 3677-3688	10.2	14
97	Linear-mixed effects models for feature selection in high-dimensional NMR spectra. <i>Expert Systems With Applications</i> , 2009 , 36, 4703-4708	7.8	14
96	Initial Fuel Temperature Effects on Flame Spread over Aviation Kerosene in Low- and High-Altitude Environments. <i>Fire Technology</i> , 2015 , 51, 707-721	3	13
95	A Noise Resistant Correlation Method for Period Detection of Noisy Signals. <i>IEEE Transactions on Signal Processing</i> , 2018 , 66, 2700-2710	4.8	13
94	Integration of classification algorithms and control chart techniques for monitoring multivariate processes. <i>Journal of Statistical Computation and Simulation</i> , 2011 , 81, 1897-1911	0.9	13
93	Economic Evaluation of Individual School Closure Strategies: The Hong Kong 2009 H1N1 Pandemic. <i>PLoS ONE</i> , 2016 , 11, e0147052	3.7	13

92	Adjusted support vector machines based on a new loss function. <i>Annals of Operations Research</i> , 2010 , 174, 83-101	3.2	12
91	FBP: A Frontier-Based Tree-Pruning Algorithm. <i>INFORMS Journal on Computing</i> , 2006 , 18, 494-505	2.4	12
90	Distance-based analysis of dynamical systems reconstructed from vibrations for bearing diagnostics. <i>Nonlinear Dynamics</i> , 2015 , 80, 147-165	5	11
89	Using Baidu index to nowcast hand-foot-mouth disease in China: a meta learning approach. <i>BMC Infectious Diseases</i> , 2018 , 18, 398	4	11
88	Evaluation of run-length distribution for CUSUM charts under gamma distributions. <i>IIE Transactions</i> , 2013 , 45, 981-994		11
87	Monitoring autocorrelated processes using a distribution-free tabular CUSUM chart with automated variance estimation. <i>IIE Transactions</i> , 2009 , 41, 979-994		11
86	Performance Analysis of a Grid-Connected Upgraded Metallurgical Grade Silicon Photovoltaic System. <i>Energies</i> , 2016 , 9, 342	3.1	11
85	End of performance prediction of lithium-ion batteries. <i>Journal of Quality Technology</i> , 2019 , 51, 198-213	1.4	10
84	A comparison of exponentially weighted moving average-based methods for monitoring increases in incidence rate with varying population size. <i>IIE Transactions</i> , 2014 , 46, 798-812		10
83	Delays in service for non-emergent patients due to arrival of emergent patients in the emergency department: a case study in Hong Kong. <i>Journal of Emergency Medicine</i> , 2013 , 45, 271-80	1.5	10
82	A standardized scan statistic for detecting spatial clusters with estimated parameters. <i>Naval Research Logistics</i> , 2012 , 59, 397-410	1.5	10
81	Big Data Opportunities: System Health Monitoring and Management. <i>IEEE Access</i> , 2019 , 7, 68853-68867	3.5	9
80	A comprehensive multi-objective mixed integer nonlinear programming model for an integrated elderly care service districting problem. <i>Annals of Operations Research</i> , 2020 , 291, 499-529	3.2	9
79	The Variational Kernel-Based 1-D Convolutional Neural Network for Machinery Fault Diagnosis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-10	5.2	9
78	Design for Sequential Follow-Up Experiments in Computer Emulations. <i>Technometrics</i> , 2018 , 60, 61-69	1.4	8
77	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. <i>BMC Medicine</i> , 2018 , 16, 127	11.4	8
76	Monitoring data quality for telehealth systems in the presence of missing data. <i>International Journal of Medical Informatics</i> , 2019 , 126, 156-163	5.3	7
75	Statistical Process Control-Based Intrusion Detection and Monitoring. <i>Quality and Reliability Engineering International</i> , 2014 , 30, 257-273	2.6	7

74	CUSUM Procedures for Health Care Surveillance. <i>Quality and Reliability Engineering International</i> , 2013 , 29, 883-897	2.6	7
73	Spatiotemporal biosurveillance with spatial clusters: control limit approximation and impact of spatial correlation. <i>IIE Transactions</i> , 2014 , 46, 813-827		7
72	Computation of the run-length percentiles of CUSUM control charts under changes in variances. <i>Journal of Statistical Computation and Simulation</i> , 2013 , 83, 1238-1251	0.9	7
71	Homecare-Oriented Intelligent Long-Term Monitoring of Blood Pressure Using Electrocardiogram Signals. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 7150-7158	11.9	7
70	Forecasting one-day-forward wellness conditions for community-dwelling elderly with single lead short electrocardiogram signals. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 285	3.6	7
69	Preliminary Agreement on Tracking Sleep Between a Wrist-Worn Device Fitbit Alta and Consensus Sleep Diary. <i>Telemedicine Journal and E-Health</i> , 2019 , 25, 1189-1197	5.9	7
68	Active Balancing of Lithium-Ion Batteries Using Graph Theory and A-Star Search Algorithm. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 2587-2599	11.9	7
67	Gini Indices II and III: Two New Sparsity Measures and Their Applications to Machine Condition Monitoring. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 1-1	5.5	7
66	Imbalanced classification by learning hidden data structure. <i>IIE Transactions</i> , 2016 , 48, 614-628		6
65	Principal Components of Superhigh-Dimensional Statistical Features and Support Vector Machine for Improving Identification Accuracies of Different Gear Crack Levels under Different Working Conditions. <i>Shock and Vibration</i> , 2015 , 2015, 1-14	1.1	6
64	Adaptive CUSUM charts for monitoring linear drifts in Poisson rates. <i>International Journal of Production Economics</i> , 2014 , 148, 14-20	9.3	6
63	A Personalized Health Monitoring System for Community-Dwelling Elderly People in Hong Kong: Design, Implementation, and Evaluation Study. <i>Journal of Medical Internet Research</i> , 2020 , 22, e19223	7.6	6
62	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 2943-2955	6.1	6
61	. <i>IEEE Sensors Journal</i> , 2020 , 20, 9339-9350	4	5
60	Flexible sliced designs for computer experiments. <i>Annals of the Institute of Statistical Mathematics</i> , 2018 , 70, 631-646	1	5
59	System Informatics: From Methodology to Applications. <i>IEEE Intelligent Systems</i> , 2015 , 30, 12-29	4.2	5
58	A scale model for fitting object shapes from fixed location data. <i>IIE Transactions</i> , 2004 , 36, 1099-1105		5
57	Avoiding unnecessary bias in robust design analysis. <i>Computational Statistics and Data Analysis</i> , 1994 , 18, 535-546	1.6	5

56	A discrete-event simulation study for emergency room capacity management in a Hong Kong hospital 2016 ,		5
55	Study on Flame Spread over Aviation Kerosene and Diesel. <i>Advanced Materials Research</i> , 2014 , 1016, 587-591	0.5	4
54	Interpretable online updated weights: Optimized square envelope spectrum for machine condition monitoring and fault diagnosis. <i>Mechanical Systems and Signal Processing</i> , 2022 , 169, 108779	7.8	4
53	Wearable Device Heart Rate and Activity Data in an Unsupervised Approach to Personalized Sleep Monitoring: Algorithm Validation. <i>JMIR MHealth and UHealth</i> , 2020 , 8, e18370	5.5	4
52	Influence of Flavors on the Propagation of E-Cigarette-Related Information: Social Media Study. <i>JMIR Public Health and Surveillance</i> , 2018 , 4, e27	11.4	4
51	A New Robust Multivariate EWMA Dispersion Control Chart for Individual Observations. <i>Mathematics</i> , 2021 , 9, 1038	2.3	4
50	A Comparison of Likelihood-Based Spatiotemporal Monitoring Methods Under Non-Homogenous Population Size. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2015 , 44, 14-39	0.6	3
49	A simple and robust batch-ordering inventory policy under incomplete demand knowledge. <i>Computers and Industrial Engineering</i> , 2012 , 63, 343-353	6.4	3
48	A finite-sample simulation study of cross validation in tree-based models. <i>Information Technology and Management</i> , 2009 , 10, 223-233	1.8	3
47	A New Variable Fidelity Optimization Framework Based on Model Fusion and Objective-Oriented Sequential Sampling 2007 , 699		3
46	COUNTEREXAMPLES FOR THE COMPONENT SEARCH PROCEDURE. <i>Quality Engineering</i> , 1993 , 5, 545-552.	1.4	3
45	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. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2020 , 12, 185-207	2.6	3
44	Condition monitoring of wheel wear for high-speed trains: A data-driven approach 2018 ,		3
43	Monitoring dynamic networks: A simulation-based strategy for comparing monitoring methods and a comparative study. <i>Quality and Reliability Engineering International</i> ,	2.6	3
42	A promising new tool for fault diagnosis of railway wheelset bearings: SSO-based Kurtogram. <i>ISA Transactions</i> , 2021 ,	5.5	3
41	On computing multiple change points for the gamma distribution. <i>Journal of Quality Technology</i> , 2020 , 1-22	1.4	2
40	A Two-Stage Approach for Resource Allocation and Surgery Scheduling With Assistant Surgeons. <i>IEEE Access</i> , 2020 , 8, 49487-49496	3.5	2
39	Slider Dynamics and Wear Behaviors at Subnano-Clearance Head/Disk Interface. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-9	2	2

38	An enhanced engineering perspective of global climate systems and statistical formulation of terrestrial CO ₂ exchanges. <i>Theoretical and Applied Climatology</i> , 2012 , 107, 347-359	3	2
37	Effect of Low-Frequency Vibration in Z-Direction (Out-of-Plane) on Slider Dynamics. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 4977-4981	2	2
36	Forecasting tourist arrivals with machine learning and internet search index 2017 ,		2
35	An integrated Bayesian approach to prognostics of the remaining useful life and its application on bearing degradation problem 2015 ,		2
34	A Spatial-EWMA Framework for Detecting Clustering. <i>Quality and Reliability Engineering International</i> , 2014 , 30, 181-189	2.6	2
33	Comments on 'some methodological issues in biosurveillance'. <i>Statistics in Medicine</i> , 2011 , 30, 430-3; discussion 434-41	2.3	2
32	2011 ,		2
31	Modeling and analysis of dynamic robust design experiments. <i>IIE Transactions</i> , 1999 , 31, 1113-1122		2
30	Assessing elderly's functional balance and mobility via analyzing data from waist-mounted tri-axial wearable accelerometers in timed up and go tests. <i>BMC Medical Informatics and Decision Making</i> , 2021 , 21, 108	3.6	2
29	Dynamic Evolution Analysis of Metro Network Connectivity and Bottleneck Identification: From the Perspective of Individual Cognition. <i>IEEE Access</i> , 2019 , 7, 2042-2052	3.5	2
28	Multi-Graph Convolutional-Recurrent Neural Network (MGC-RNN) for Short-Term Forecasting of Transit Passenger Flow. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-20	6.1	2
27	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. <i>Mechanical Systems and Signal Processing</i> , 2022 , 174, 109094	7.8	2
26	Implementation of Electronic Health Monitoring Systems at the Community Level in Hong Kong. <i>Lecture Notes in Computer Science</i> , 2017 , 94-103	0.9	1
25	A window-limited generalized likelihood ratio test for monitoring Poisson processes with linear drifts. <i>Journal of Statistical Computation and Simulation</i> , 2015 , 85, 2975-2988	0.9	1
24	Clinical and Nonclinical Effects on Operative Duration: Evidence from a Database on Thoracic Surgery. <i>Journal of Healthcare Engineering</i> , 2020 , 2020, 3582796	3.7	1
23	Discussion of 'Analyzing Behavioral Big Data: Methodological, practical, ethical, and moral issues' <i>Quality Engineering</i> , 2016 , 0-0	1.4	1
22	Probability distribution of CUSUM charting statistics. <i>IIE Transactions</i> , 2016 , 48, 324-332		1
21	The Instability of Angstrom-Scale Head-Disk Interface Induced by Electrostatic Force. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	1

20	An adaptive CUSUM chart for monitoring poisson rates with increasing population sizes. <i>European Journal of Industrial Engineering</i> , 2015 , 9, 692	1.1	1
19	A Minimum Bias Latin Hypercube Design. <i>IIE Transactions</i> , 2001 , 33, 793-808		1
18	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 1-12	4.9	1
17	Two-stage robust optimisation for surgery scheduling considering surgeon collaboration. <i>International Journal of Production Research</i> , 2020 , 1-14	7.8	1
16	Evaluation of mean-time-to-failure based on nonlinear degradation data with applications. <i>IIE Transactions</i> , 1-18	3.3	1
15	Impact of resources and monitoring effectiveness on prognostics enabled condition based maintenance policy. <i>Journal of Simulation</i> , 2019 , 13, 254-271	1.9	1
14	A profile monitoring of the multi-stage process. <i>Quality Technology and Quantitative Management</i> , 2019 , 16, 407-423	1.9	1
13	Automatic Recognition and Analysis of Balance Activity in Community-Dwelling Older Adults: Algorithm Validation.. <i>Journal of Medical Internet Research</i> , 2021 , 23, e30135	7.6	1
12	OSESgram: Data-Aided Method for Selection of Informative Frequency Bands for Bearing Fault Diagnosis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 71, 1-10	5.2	1
11	Rapid and Automatic Rail Component Detection Based on AttnConv-net. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	0
10	Short-term forecasting of origin-destination matrix in transit system via a deep learning approach. <i>Transportmetrica A: Transport Science</i> , 1-28	2.5	0
9	Symmetric -charts: Sensitivity to nonnormality and control-limit estimation. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2017 , 46, 358-378	0.6	
8	An In Situ Measurement Method for Electric Potential at Head-Disk Interface Using a Thermal Asperity Sensor. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-6	2	
7	Public health and healthcare surveillance and response. <i>IIE Transactions</i> , 2014 , 46, 757-758		
6	Head-Stack Assembly Offtrack Dynamics Investigation via Slider Protrusion Touch Down. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 703-706	2	
5	In Situ Measurement of Seeking Speed and Seeking Induced Head-Disk Interface Instability in Hard Disk Drives. <i>Shock and Vibration</i> , 2015 , 2015, 1-7	1.1	
4	. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 8743-8752	8.9	
3	Correction to High-Speed Rail Suspension System Health Monitoring Using Multi-Location Vibration Data[Jul 20 2943-2955]. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 6088-6088	6.1	

- 2 Graphical Big Data: From Simulation to Immersive Visualization. *Creativity in the Twenty First Century*, **2021**, 21-34 0.2
- 1 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