Tzong-Ru Tsai

List of Publications by Year
in descending order

87 papers	1,147 citations	394421 19 h-index	434195 31 g-index
87 all docs	87 docs citations	87 times ranked	610 citing authors

#	Article	IF	Citations
1	A new multivariate control chart for monitoring the quality of a process with the aid of auxiliary information. Journal of Statistical Computation and Simulation, 2022, 92, 645-666.	1.2	2
2	Nonparametric control chart using auxiliary information for smallest extreme value distribution. Journal of Statistical Computation and Simulation, 2022, 92, 1175-1193.	1.2	0
3	Bias Correction Method for Log-Power-Normal Distribution. Mathematics, 2022, 10, 955.	2.2	0
4	Inference for the Process Performance Index of Products on the Basis of Power-Normal Distribution. Mathematics, 2022, 10, 35.	2.2	5
5	Inferences of the Multicomponent Stress–Strength Reliability for Burr XII Distributions. Mathematics, 2022, 10, 2478.	2.2	4
6	Parameter Estimation for Composite Dynamical Systems Based on Sequential Order Statistics from Burr Type XII Mixture Distribution. Mathematics, 2021, 9, 810.	2.2	1
7	Estimating the failure rate of the log-logistic distribution by smooth adaptive and bias-correction methods. Computers and Industrial Engineering, 2021, 156, 107188.	6.3	1
8	Two-Stage Maximum Likelihood Estimation Procedure for Parallel Constant-Stress Accelerated Degradation Tests. IEEE Transactions on Reliability, 2021, 70, 446-458.	4.6	4
9	Bayesian Estimation Based on Sequential Order Statistics for Heterogeneous Baseline Gompertz Distributions. Mathematics, 2021, 9, 145.	2.2	2
10	EM Algorithm for Mixture Distributions Model with Type-I Hybrid Censoring Scheme. Mathematics, 2021, 9, 2483.	2.2	3
11	Hierarchical Bayesian Modeling and Randomized Response Method for Inferring the Sensitive-Nature Proportion. Mathematics, 2021, 9, 2518.	2.2	1
12	Acceptance Sampling Scheme with Warranty for Life Testing Using Bayesian Inference Methods. Journal of Testing and Evaluation, 2021, 49, 3081-3096.	0.7	0
13	Implementation of statistical process control framework with machine learning on waveform profiles with no gold standard reference. Computers and Industrial Engineering, 2020, 142, 106325.	6.3	4
14	Reliability Inference for the Multicomponent System Based on Progressively Type II Censored Samples from Generalized Pareto Distributions. Mathematics, 2020, 8, 1176.	2.2	9
15	Model Selection Methods for Reliability Assessment Based on Interval-Censored Field Failure Samples. International Journal of Reliability, Quality and Safety Engineering, 2020, 27, 2050018.	0.6	1
16	Accelerated Life Test Method for the Doubly Truncated Burr Type XII Distribution. Mathematics, 2020, 8, 162.	2.2	4
17	Nonlinear Profile Monitoring Using Spline Functions. Mathematics, 2020, 8, 1588.	2.2	5
18	Retrospective analysis for phase I statistical process control and process capability study using revised sample entropy. Neural Computing and Applications, 2019, 31, 7415-7428.	5.6	6

#	ARTICLE	IF	CITATIONS
19	Linear profiles monitoring in the presence of nonnormal random errors. Quality and Reliability Engineering International, 2019, 35, 2579-2592.	2.3	6
20	Bayesian Inference of Î´=P(X<Y) for Burr Type XII Distribution Based on Progressively First Failure-Censored Samples. Mathematics, 2019, 7, 794.	2.2	6
21	Reliability inference for VGA adapter from dual suppliers based on contaminated type–interval–censored data. Quality and Reliability Engineering International, 2019, 35, 2297.	2.3	2
22	A Survey of Control Charts for Simple Linear Profile Processes with Autocorrelation. ICSA Book Series in Statistics, 2019, , 109-126.	0.2	0
23	Economical Sampling Plans with Warranty. ICSA Book Series in Statistics, 2019, , 211-230.	0.2	0
24	Adaptive control charts for skew–normal distribution. Quality and Reliability Engineering International, 2018, 34, 589-608.	2.3	6
25	Reliability Inference Based on the Three-Parameter Burr Type XII Distribution with Type II Censoring. International Journal of Reliability, Quality and Safety Engineering, 2018, 25, 1850010.	0.6	3
26	Inference of γ = P(X < Y) for Burr XII distributions with record samples. Communications in Statistics Part B: Simulation and Computation, 2018, 47, 822-838.	1.2	1
27	A dynamic system for Gompertz model. Journal of Statistical Computation and Simulation, 2018, 88, 752-768.	1.2	1
28	Model Selection Approaches for Predicting Future Order Statistics from Type II Censored Data. Mathematical Problems in Engineering, 2018, 2018, 1-29.	1.1	2
29	Robust bootstrap control charts for percentiles based on model selection approaches. Computers and Industrial Engineering, 2018, 123, 119-133.	6.3	9
30	An innovative sampling scheme for resubmitted lots by attributes. International Journal of Advanced Manufacturing Technology, 2017, 91, 4019-4031.	3.0	2
31	Periodical preventive maintenance contract for leased equipment with random failure penalties. Computers and Industrial Engineering, 2017, 113, 437-444.	6.3	9
32	Optimal Designs for LED Degradation Modeling. ICSA Book Series in Statistics, 2017, , 149-170.	0.2	0
33	MEWMA Control Chart and Process Capability Indices for Simple Linear Profiles with Within–profile Autocorrelation. Quality and Reliability Engineering International, 2017, 33, 1083-1094.	2.3	24
34	Control charts for generalized exponential distribution percentiles. Communications in Statistics Part B: Simulation and Computation, 2017, 46, 7827-7843.	1.2	6
35	Empirical Bayesian Strategy for Sampling Plans with Warranty Under Truncated Censoring. International Journal of Reliability, Quality and Safety Engineering, 2016, 23, 1650021.	0.6	3
36	Optimal Two-Variable Accelerated Degradation Test Plan for Gamma Degradation Processes. IEEE Transactions on Reliability, 2016, 65, 459-468.	4.6	54

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37	Bayesian sampling plans with interval censoring. , 2015, , .		0
38	Degradation Tests Using Geometric Brownian Motion Process for Lumen Degradation Data. Quality and Reliability Engineering International, 2015, 31, 1797-1806.	2.3	12
39	Economic design of the life test with a warranty policy. Journal of Industrial and Production Engineering, 2015, 32, 225-231.	3.1	7
40	An integrated approach for the optimization of tolerance design and quality cost. Computers and Industrial Engineering, 2015, 87, 186-192.	6.3	12
41	Reliability Inference on Composite Dynamic Systems Based on Burr Type-XII Distribution. IEEE Transactions on Reliability, 2015, 64, 144-153.	4.6	11
42	Economical sampling plans with warranty based on truncated data from Burr type XII distribution. Journal of the Operational Research Society, 2015, 66, 1511-1518.	3.4	10
43	Efficient Bayesian sampling plans for exponential distributions with type-I-censored samples. Journal of Statistical Computation and Simulation, 2014, 84, 964-981.	1.2	20
44	On monitoring of multiple non-linear profiles. International Journal of Production Research, 2014, 52, 3209-3224.	7.5	21
45	Control Charts for Monitoring Burr Type-X Percentiles. Communications in Statistics Part B: Simulation and Computation, 2014, 43, 761-776.	1.2	15
46	Real-time detection of wave profile changes. Computers and Industrial Engineering, 2014, 75, 187-199.	6.3	6
47	Economic design of two-stage control charts with skewed and dependent measurements. International Journal of Advanced Manufacturing Technology, 2014, 73, 1387-1397.	3.0	12
48	Optimal Decisions on the Accelerated Degradation Test Plan Under the Wiener Process. Quality Technology and Quantitative Management, 2014, 11, 461-470.	1.9	21
49	THE DESIGNS OF ACCEPTANCE SAMPLING FOR STRENGTH DISTRIBUTIONS WITH PERCENTILES. International Journal of Reliability, Quality and Safety Engineering, 2012, 19, 1250004.	0.6	2
50	Estimation on the lower confidence limit of the breaking strength percentiles under progressive type-II censoring. Journal of the Chinese Institute of Industrial Engineers, 2012, 29, 16-29.	0.5	3
51	Inference From Lumen Degradation Data Under Wiener Diffusion Process. IEEE Transactions on Reliability, 2012, 61, 710-718.	4.6	36
52	Estimation of $\hat{I}=P(X<Y)$ for Burr XII distribution based on the progressively first failure-censored samples. Journal of Applied Statistics, 2012, 39, 309-322.	1.3	63
53	Statistical Process Control for Monitoring Nonlinear Profiles: A Six Sigma Project on Curing Process. Quality Engineering, 2012, 24, 251-263.	1.1	21
54	Economic design of two-stage non-central chi-square charts for dependent variables. Computers and Industrial Engineering, 2011, 61, 970-980.	6.3	5

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55	Exponentially weighted moving average control charts for three-level products. Statistical Papers, 2011, 52, 419-429.	1.2	10
56	Optimal maintenance time for imperfect maintenance actions on repairable product. Computers and Industrial Engineering, 2011, 60, 744-749.	6.3	15
57	A DESIGN OF OPTIMUM SCREENING PROCEDURE USING SURROGATE VARIABLE. International Journal of Reliability, Quality and Safety Engineering, 2011, 18, 251-269.	0.6	1
58	Parameter Estimations for Generalized RayleighDistribution under Progressively Type-I IntervalCensored Data. Open Journal of Statistics, 2011, 01, 46-57.	0.7	15
59	Acceptance sampling plans under progressive interval censoring with likelihood ratio. Statistical Papers, 2010, 51, 259-271.	1.2	25
60	Acceptance sampling plans from truncated life tests based on the Burr type XII percentiles. Journal of the Chinese Institute of Industrial Engineers, 2010, 27, 270-280.	0.5	61
61	Inventory models with stock- and price-dependent demand for deteriorating items based on limited shelf space. Yugoslav Journal of Operations Research, 2010, 20, 55-69.	0.8	32
62	Inference on the MTTF of LEDs from Accelerated Degradation Data with Bootstrap Method. , 2009, , .		1
63	SIMULATED SHEWHART CONTROL CHART FOR MONITORING VARIANCE COMPONENTS. International Journal of Reliability, Quality and Safety Engineering, 2009, 16, 1-22.	0.6	8
64	Interval censored sampling plans for the gamma lifetime model. European Journal of Operational Research, 2009, 192, 116-124.	5.7	44
65	Acceptance Sampling Plans from Truncated Life Tests Based on the Birnbaumâ€"Saunders Distribution for Percentiles. Communications in Statistics Part B: Simulation and Computation, 2009, 39, 119-136.	1.2	86
66	Interval censored sampling plans for the log-logistic lifetime distribution. Journal of Applied Statistics, 2009, 36, 521-536.	1.3	8
67	Reliability sampling plans for Weibull distribution with limited capacity of test facility. Computers and Industrial Engineering, 2008, 55, 721-728.	6.3	41
68	Progressively Interval-Censored Life Test with Acceptance Sampling. , 2008, , .		0
69	THE DESIGN OF ACCEPTANCE CONTROL CHART FOR NON-NORMAL DATA. Journal of the Chinese Institute of Industrial Engineers, 2008, 25, 127-135.	0.5	6
70	BAYESIAN SAMPLING PLANS WITH PROGRESSIVE CENSORING AND WARRANTY POLICY. International Journal of Reliability, Quality and Safety Engineering, 2008, 15, 329-340.	0.6	10
71	THE INSPECTION OF ACCEPTANCE SAMPLING FOR STEP-STRESS TESTS WITH AN EQUALLY-SPACED INTERVAL CENSORING SCHEME. International Journal of Reliability, Quality and Safety Engineering, 2008, 15, 203-215.	0.6	3
72	Exponentially Weighed Moving Average Control Chart for Gamma Distribution with Type I Censoring. , 2008, , .		15

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73	SKEW NORMAL DISTRIBUTION AND THE DESIGN OF CONTROL CHARTS FOR AVERAGES. International Journal of Reliability, Quality and Safety Engineering, 2007, 14, 49-63.	0.6	25
74	Simulated Life Test Plans with Type-I Interval Censoring for the Gamma Lifetime Model. , 2007, , .		1
75	Alternative estimation procedure in SPC when the process data are correlated. Journal of Statistical Computation and Simulation, 2007, 77, 575-583.	1.2	1
76	Acceptance sampling based on truncated life tests for generalized Rayleigh distribution. Journal of Applied Statistics, 2006, 33, 595-600.	1.3	154
77	On estimating control limits of $X̄$ chart when the number of subgroups is small. International Journal of Advanced Manufacturing Technology, 2005, 26, 1312-1316.	3.0	19
78	ACCEPTANCE SAMPLING PLANS FOR BIRNBAUM-SAUNDERS DISTRIBUTION UNDER TRUNCATED LIFE TESTS. International Journal of Reliability, Quality and Safety Engineering, 2005, 12, 507-519.	0.6	26
79	Fuzzy-weighted bootstrap estimation in semi-parametric model. Journal of Statistics and Management Systems, 2003, 6, 443-461.	0.6	1
80	Fuzzy-weighted estimation in ridge regression analysis. Journal of Information and Optimization Sciences, 2002, 23, 259-271.	0.3	1
81	Weighted quasi-likelihood estimation based on fuzzy clustering analysis method and dimension reduction technique. Fuzzy Sets and Systems, 2002, 128, 353-364.	2.7	4
82	A modified short-run type II continuous sampling plan. Quality and Reliability Engineering International, 2002, 18, 155-161.	2.3	1
83	An application of weighted bootstrap method in semi-parametric model. Information Sciences, 2002, 148, 221-231.	6.9	1
84	Limited failure-censored life test for the Weibull distribution. IEEE Transactions on Reliability, 2001, 50, 107-111.	4.6	39
85	Estimation of time-to-failure distribution derived from a degradation model using fuzzy clustering. Quality and Reliability Engineering International, 2000, 16, 261-267.	2.3	25
86	Teaching effectiveness assessment based on LISREL model: A case study. Journal of Interdisciplinary Mathematics, 2000, 3, 43-55.	0.7	0
87	Fuzzy weighted scaled coefficients in semi-parametric model. Annals of the Institute of Statistical Mathematics, 1996, 48, 97-110.	0.8	5