

Chien-Wei Wu

List of Publications by Year in descending order

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136
papers

3,074
citations

159358

30
h-index

205818

48
g-index

137
all docs

137
docs citations

137
times ranked

940
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and construction of a quick-switching sampling system with a third-generation capability index. Communications in Statistics - Theory and Methods, 2023, 52, 3633-3651.	0.6	5
2	Stage-independent multiple sampling plan by variables inspection for lot determination based on the process capability index C_{pk} . International Journal of Production Research, 2023, 61, 3171-3183.	4.9	5
3	A variables-type multiple-dependent-state sampling plan based on the lifetime performance index under a Weibull distribution. Annals of Operations Research, 2022, 311, 381-399.	2.6	20
4	Standardized lifetime-capability and warranty-return-rate-based suppliers qualification and selection with accelerated Weibull-life type II testing data. Communications in Statistics - Theory and Methods, 2022, 51, 8186-8204.	0.6	5
5	Developing a skip-lot sampling scheme by variables inspection using repetitive sampling as a reference plan. International Journal of Production Research, 2022, 60, 3018-3030.	4.9	8
6	Yield-based variables repetitive group plan with a critical value adjusted mechanism. Quality and Reliability Engineering International, 2022, 38, 3017-3032.	1.4	3
7	An integrated failure-censored sampling scheme for lifetime-performance verification and validation under a Weibull distribution. Quality Engineering, 2022, 34, 82-95.	0.7	13
8	Comparisons of frequentist and Bayesian inferences for interval estimation on process yield. Journal of the Operational Research Society, 2022, 73, 2694-2705.	2.1	1
9	An integrated operating mechanism for lot sentencing based on process yield. Quality Technology and Quantitative Management, 2022, 19, 139-152.	1.1	6
10	A variable-type skip-lot sampling plan for products with a unilateral specification limit. International Journal of Production Research, 2021, 59, 4140-4156.	4.9	21
11	Process capability-qualified adjustable multiple-dependent-state sampling plan for a long-term supplier-buyer relationship. Quality and Reliability Engineering International, 2021, 37, 583-597.	1.4	17
12	A modified sampling plan by variables with an adjustable mechanism for lot sentencing. Journal of the Operational Research Society, 2021, 72, 678-687.	2.1	9
13	Variables skip-lot sampling plans on the basis of process capability index for products with a low fraction of defectives. Computational Statistics, 2021, 36, 1391-1413.	0.8	8
14	Lifetime performance-qualified sampling system under a Weibull distribution with failure-censoring. Quality Engineering, 2021, 33, 404-416.	0.7	18
15	Designing acceptance sampling plans based on the lifetime performance index under gamma distribution. International Journal of Advanced Manufacturing Technology, 2021, 115, 3409-3422.	1.5	8
16	An adjustable inspection scheme for lot sentencing based on one-sided capability indices. Applied Mathematical Modelling, 2021, 96, 766-778.	2.2	11
17	Design and construction of a variables quick switching sampling system based on Taguchi capability index. Computers and Industrial Engineering, 2021, 160, 107582.	3.4	15
18	Supplier selection based on normal process yield: the Bayesian inference. Neural Computing and Applications, 2020, 32, 4121-4133.	3.2	2

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19	Developing a Variables Modified Chain Sampling Plan with Taguchi Capability Index. , 2020, , .		0
20	A new switching model for sampling plan based on process yield. , 2020, , .		0
21	Improved inspection scheme with a loss-based capability index. International Journal of Advanced Manufacturing Technology, 2019, 104, 1321-1331.	1.5	9
22	An improved sampling plan by variables inspection with consideration of process yield and quality loss. Journal of Statistical Computation and Simulation, 2019, 89, 2395-2409.	0.7	16
23	Design and construction of a variables switch-based sampling system for product acceptance determination. International Journal of Advanced Manufacturing Technology, 2019, 101, 2643-2652.	1.5	19
24	Determining optimal process mean and quality improvement in a profit-maximization supply chain model. Quality Technology and Quantitative Management, 2019, 16, 154-169.	1.1	13
25	DEA window analysis for assessing efficiency of blistering process in a pharmaceutical industry. Neural Computing and Applications, 2019, 31, 3703-3717.	3.2	15
26	A new lot sentencing approach by variables inspection based on process yield. International Journal of Production Research, 2018, 56, 4087-4099.	4.9	24
27	Optimal process mean and quality improvement in a supply chain model with two-part trade credit based on Taguchi loss function. International Journal of Production Research, 2018, 56, 5234-5248.	4.9	16
28	Variable-sampling plans based on lifetime-performance index under exponential distribution with censoring and its extensions. Applied Mathematical Modelling, 2018, 55, 81-93.	2.2	34
29	The construction of a modified sampling scheme by variables inspection based on the one-sided capability index. Computers and Industrial Engineering, 2018, 122, 87-94.	3.4	34
30	Prediction of paravalvular leak post transcatheter aortic valve replacement using a convolutional neural network. , 2018, , .		4
31	Reliable confidence intervals for assessing normal process incapability. Communications in Statistics Part B: Simulation and Computation, 2017, 46, 446-457.	0.6	7
32	Developing a variables two-plan sampling system for product acceptance determination. Communications in Statistics - Theory and Methods, 2017, 46, 706-720.	0.6	10
33	A Situationally Sampleâ€Sizeâ€Adjusted Sampling Scheme Based on Process Yield Verification. Quality and Reliability Engineering International, 2017, 33, 57-69.	1.4	13
34	A variables multiple dependent state sampling plan based on a one-sided capability index. Quality Engineering, 2017, 29, 719-729.	0.7	25
35	Capability-based quick switching sampling system for lot disposition. Applied Mathematical Modelling, 2017, 52, 131-144.	2.2	45
36	Developing a variables multiple dependent state sampling plan with simultaneous consideration of process yield and quality loss. International Journal of Production Research, 2017, 55, 2351-2364.	4.9	43

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37	An efficient method for dynamic-demand joint replenishment problem with multiple suppliers and multiple vehicles. <i>International Journal of Production Research</i> , 2017, 55, 1065-1084.	4.9	21
38	Assessing S-Type Process Quality of Data Involving Batch-to-Batch Variation. <i>Journal of Testing and Evaluation</i> , 2017, 45, 1425-1435.	0.4	1
39	Duopoly competition with non-deceptive counterfeiters. <i>International Review of Law and Economics</i> , 2016, 47, 33-40.	0.5	3
40	Performance evaluation of processes with asymmetric tolerances in the presence of gauge measurement errors. <i>Communications in Statistics - Theory and Methods</i> , 2016, 45, 3011-3026.	0.6	9
41	A Novel Lot Sentencing Method by Variables Inspection Considering Multiple Dependent State. <i>Quality and Reliability Engineering International</i> , 2016, 32, 985-994.	1.4	32
42	Process Capability Assessment for Asymmetric Tolerances with Consideration of Gauge Measurement Errors. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2016, 45, 519-547.	0.6	3
43	A modified variables repetitive group sampling plan with the consideration of preceding lots information. <i>Annals of Operations Research</i> , 2016, 238, 355-373.	2.6	37
44	A quick switching sampling system by variables for controlling lot fraction nonconforming. <i>International Journal of Production Research</i> , 2016, 54, 1839-1849.	4.9	34
45	Testing and Ranking Multiple Wafer-Manufacturing Processes With Fuzzy-Quality Data. <i>Journal of Testing and Evaluation</i> , 2016, 44, 1970-1977.	0.4	6
46	A Tribute to George Box "Statistical Methodologies and Applications Foreword. <i>Quality Technology and Quantitative Management</i> , 2015, 12, 1-3.	1.1	0
47	A Sampling Scheme for Resubmitted Lots Based on One-Sided Capability Indices. <i>Quality Technology and Quantitative Management</i> , 2015, 12, 501-515.	1.1	32
48	A flexible sampling scheme for variables inspection with loss consideration. <i>Journal of Statistical Computation and Simulation</i> , 2015, 85, 3766-3777.	0.7	7
49	Design and construction of a variables multiple dependent state sampling plan based on process yield. <i>European Journal of Industrial Engineering</i> , 2015, 9, 819.	0.5	31
50	A repetitive group sampling plan by variables inspection for product acceptance determination. <i>European Journal of Industrial Engineering</i> , 2015, 9, 308.	0.5	26
51	A lots-dependent variables sampling plan considering supplier's process loss and buyer's stipulated specifications requirement. <i>International Journal of Production Research</i> , 2015, 53, 6308-6319.	4.9	17
52	Developing a variables repetitive group sampling scheme by considering process yield and quality loss. <i>International Journal of Production Research</i> , 2015, 53, 2239-2251.	4.9	32
53	Designing a variables two-plan sampling system of type $TNTVSS-(n, T, N, k)$ for controlling process fraction nonconforming with unilateral specification limit. <i>International Journal of Production Research</i> , 2015, 53, 2011-2025.	4.9	30
54	A flexible process-capability-qualified resubmission-allowed acceptance sampling scheme. <i>Computers and Industrial Engineering</i> , 2015, 80, 62-71.	3.4	38

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55	Assessing True TFT-LCD Process Quality in the Presence of Unavoidable Measurement Errors. Journal of Testing and Evaluation, 2015, 43, 20140103.	0.4	2
56	Design and Construction of a Variables Repetitive Group Sampling Plan for Unilateral Specification Limit. Communications in Statistics Part B: Simulation and Computation, 2014, 43, 1866-1878.	0.6	40
57	Mixed Acceptance Sampling Plans for Product Inspection Using Process Capability Index. Quality Engineering, 2014, 26, 450-459.	0.7	38
58	Turning counterfeiting into advantage: the case of a durable good monopolist. Applied Economics Letters, 2014, 21, 1122-1127.	1.0	2
59	Fuzzy estimation for process loss assessment. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2014, 37, 1-6.	0.6	4
60	A new lot sentencing method by variables inspection. , 2014, , .		1
61	A resubmitted sampling scheme by variables inspection for controlling lot fraction nonconforming. International Journal of Production Research, 2014, 52, 3744-3754.	4.9	68
62	On ranking multiple touch-screen panel suppliers through the CTQ: applied fuzzy techniques for inspection with unavoidable measurement errors. Neural Computing and Applications, 2014, 25, 481-490.	3.2	6
63	An integrated inventory model with quality improvement and two-part credit policy. Top, 2014, 22, 1042-1061.	1.1	9
64	Fuzzy nonlinear programming approach for evaluating and ranking process yields with imprecise data. Fuzzy Sets and Systems, 2014, 246, 142-155.	1.6	14
65	Developing a sampling plan by variables inspection for controlling lot fraction of defectives. Applied Mathematical Modelling, 2014, 38, 2303-2310.	2.2	49
66	Advanced dispatching rules for large-scale manufacturing systems. International Journal of Advanced Manufacturing Technology, 2013, 67, 1-3.	1.5	33
67	A fuzzy-neural approach for optimizing the performance of job dispatching in a wafer fabrication factory. International Journal of Advanced Manufacturing Technology, 2013, 67, 189-202.	1.5	2
68	Fuzzy inference to supplier evaluation and selection based on quality index: a flexible approach. Neural Computing and Applications, 2013, 23, 117-127.	3.2	11
69	An efficient approach to determine cell formation, cell layout and intracellular machine sequence in cellular manufacturing systems. Computers and Industrial Engineering, 2013, 66, 438-450.	3.4	67
70	An improved approach for process performance evaluation with the consideration of process yield and quality loss. International Journal of Production Research, 2013, 51, 6397-6409.	4.9	13
71	Process performance evaluation based on Taguchi capability index with the consideration of measurement errors. International Journal of Systems Science, 2013, 44, 1386-1399.	3.7	10
72	An Integrated Inventory Model with Order-Size-Dependent Trade Credit and Quality Improvement. Procedia Computer Science, 2013, 17, 365-372.	1.2	8

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73	Variable sampling inspection for resubmitted lots based on process capability index Cpk for normally distributed items. Applied Mathematical Modelling, 2013, 37, 667-675.	2.2	99
74	Efficient methods for comparing two process yields " strategies on supplier selection. International Journal of Production Research, 2013, 51, 1587-1602.	4.9	29
75	Developing a variables repetitive group sampling plan based on process capability index C_{pk} with unknown mean and variance. Journal of Statistical Computation and Simulation, 2013, 83, 1507-1517.	0.7	63
76	A novel approach for measuring the maximum process-loss information in multiple production line conditions. International Journal of Production Research, 2012, 50, 3809-3820.	4.9	0
77	An improved approach for constructing lower confidence bound on process yield. European Journal of Industrial Engineering, 2012, 6, 369.	0.5	12
78	A Bayesian approach for measuring process performance with asymmetric tolerances. European Journal of Industrial Engineering, 2012, 6, 347.	0.5	7
79	Generalized Inference for Measuring Process Yield With the Contamination of Measurement Errors"Quality Control for Silicon Wafer Manufacturing Processes in the Semiconductor Industry. IEEE Transactions on Semiconductor Manufacturing, 2012, 25, 272-283.	1.4	16
80	An efficient inspection scheme for variables based on Taguchi capability index. European Journal of Operational Research, 2012, 223, 116-122.	3.5	60
81	Variables sampling inspection scheme for resubmitted lots based on the process capability index Cpk. European Journal of Operational Research, 2012, 217, 560-566.	3.5	102
82	Applying Bayesian approach to assess process capability for asymmetric tolerances based on C_{pk} index. Applied Mathematical Modelling, 2011, 35, 4473-4489.	2.2	13
83	Using a novel approach to assess process performance in the presence of measurement errors. Journal of Statistical Computation and Simulation, 2011, 81, 301-314.	0.7	19
84	Balanced carrier transport in organic solar cells employing embedded indium-tin-oxide nanoelectrodes. Applied Physics Letters, 2011, 98, .	1.5	41
85	Two Tests for Supplier Selection Based on Process Yield. Journal of Testing and Evaluation, 2011, 39, 126-133.	0.4	5
86	Estimating and testing process accuracy with extension to asymmetric tolerances. Quality and Quantity, 2010, 44, 985-995.	2.0	1
87	Evaluating process performance based on the incapability index for measurements with uncertainty. Expert Systems With Applications, 2010, 37, 5999-6006.	4.4	3
88	Generalized Confidence Intervals for Comparing the Capability of Two Processes. Communications in Statistics - Theory and Methods, 2010, 39, 2351-2364.	0.6	15
89	Measuring process yield by fuzzy lower confidence bounds. , 2010, , .		0
90	An alternative approach to control tool wear problem with an application to grinding wheels management in manufacturing silicon wafers. Journal of Information and Optimization Sciences, 2010, 31, 231-244.	0.2	1

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91	Process Performance Evaluation with Imprecise Information. Journal of Testing and Evaluation, 2010, 38, 102480.	0.4	8
92	Capability Testing Based on Subsamples: A Case on Photolithography Process Control in Wafer Fabrication. Journal of Testing and Evaluation, 2010, 38, 222-231.	0.4	6
93	Generalized confidence intervals for assessing process capability of multiple production lines. Quality and Reliability Engineering International, 2009, 25, 701-716.	1.4	12
94	An overview of theory and practice on process capability indices for quality assurance. International Journal of Production Economics, 2009, 117, 338-359.	5.1	256
95	Decision-making in testing process performance with fuzzy data. European Journal of Operational Research, 2009, 193, 499-509.	3.5	54
96	Estimating and testing process yield with imprecise data. Expert Systems With Applications, 2009, 36, 11006-11012.	4.4	18
97	A Bayesian procedure for assessing process performance based on the third-generation capability index. Journal of Applied Statistics, 2009, 36, 1205-1223.	0.6	12
98	A comparison of methods for loss-based capability index. Journal of Statistical Computation and Simulation, 2009, 79, 1129-1141.	0.7	8
99	Generalized confidence intervals for the process capability index C_{pm} . Metrika, 2008, 68, 65-82.	0.5	14
100	Assessing process capability based on Bayesian approach with subsamples. European Journal of Operational Research, 2008, 184, 207-228.	3.5	38
101	A variables sampling plan based on C_{pmk} for product acceptance determination. European Journal of Operational Research, 2008, 184, 549-560.	3.5	103
102	Assessing process capability based on the lower confidence bound of C_{pk} for asymmetric tolerances. European Journal of Operational Research, 2008, 190, 205-227.	3.5	33
103	A Hypothesis Testing Procedure on Assessing Process Performance for Asymmetric Tolerances. Communications in Statistics - Theory and Methods, 2008, 37, 1959-1976.	0.6	1
104	Bootstrap approach for supplier selection based on production yield. International Journal of Production Research, 2008, 46, 5211-5230.	4.9	29
105	An alternative approach to test process capability for unilateral specification with subsamples. International Journal of Production Research, 2007, 45, 5397-5415.	4.9	21
106	Quality Technology and Quantitative Management Reliability Monitoring and Performance Measuring for the Exponential Failure Process. , 2007, , .		0
107	On the Sampling Distributions of the Estimated Process Loss Indices with Asymmetric Tolerances. Communications in Statistics Part B: Simulation and Computation, 2007, 36, 1153-1170.	0.6	1
108	Monitoring Multivariate Process Variability for Individual Observations. Journal of Quality Technology, 2007, 39, 258-278.	1.8	85

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109	Accuracy Analysis of the Percentile Method for Estimating Non Normal Manufacturing Quality. Communications in Statistics Part B: Simulation and Computation, 2007, 36, 657-697.	0.6	13
110	A Bayesian Procedure for Assessing Process Performance Based on Expected Relative Loss with Asymmetric Tolerances. Journal of Applied Statistics, 2007, 34, 1109-1123.	0.6	2
111	An effective decision making method for product acceptance. Omega, 2007, 35, 12-21.	3.6	113
112	Measuring Process Performance Based on Expected Loss with Asymmetric Tolerances. Journal of Applied Statistics, 2006, 33, 1105-1120.	0.6	8
113	Tool replacement for production with a low fraction of defectives. International Journal of Production Research, 2006, 44, 2313-2326.	4.9	10
114	Production quality and yield assurance for processes with multiple independent characteristics. European Journal of Operational Research, 2006, 173, 637-647.	3.5	31
115	Bayesian approach for measuring EEPROM process capability based on the one-sided indices CPU and CPL. International Journal of Advanced Manufacturing Technology, 2006, 31, 135-144.	1.5	9
116	Critical acceptance values and sample sizes of a variables sampling plan for very low fraction of defectives. Omega, 2006, 34, 90-101.	3.6	90
117	Variables sampling plans with PPM fraction of defectives and process loss consideration. Journal of the Operational Research Society, 2006, 57, 450-459.	2.1	66
118	Multiple-process performance analysis chart based on process loss indices. International Journal of Systems Science, 2006, 37, 429-435.	3.7	6
119	Quality yield measure for processes with asymmetric tolerances. IIE Transactions, 2006, 38, 619-633.	2.1	7
120	Measuring manufacturing capability for couplers and wavelength division multiplexers. International Journal of Advanced Manufacturing Technology, 2005, 25, 533-541.	1.5	27
121	Capability measure for asymmetric tolerance non-normal processes applied to speaker driver manufacturing. International Journal of Advanced Manufacturing Technology, 2005, 25, 506-515.	1.5	15
122	Procedures for testing manufacturing precision C_p based on (\bar{x} , R) or (\bar{x} , S) control chart samples. International Journal of Advanced Manufacturing Technology, 2005, 25, 598-607.	1.5	7
123	Bootstrap approach for estimating process quality yield with application to light emitting diodes. International Journal of Advanced Manufacturing Technology, 2005, 25, 560-570.	1.5	4
124	Process capability assessment for index C_{pk} based on bayesian approach. Metrika, 2005, 61, 221-234.	0.5	25
125	A Bayesian approach for assessing process precision based on multiple samples. European Journal of Operational Research, 2005, 165, 685-695.	3.5	26
126	Capability Testing Based on C_{pm} with Multiple Samples. Quality and Reliability Engineering International, 2005, 21, 29-42.	1.4	33

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127	AN EFFECTIVE MODERN APPROACH FOR MEASURING HIGH-TECH PRODUCT MANUFACTURING PROCESS QUALITY. Journal of the Chinese Institute of Industrial Engineers, 2005, 22, 119-133.	0.5	5
128	A multivariate EWMA control chart for monitoring process variability with individual observations. IIE Transactions, 2005, 37, 1023-1035.	2.1	62
129	Quality-yield measure for production processes with very low fraction defective. International Journal of Production Research, 2004, 42, 4909-4925.	4.9	13
130	Procedure for supplier selection based on Cpm applied to super twisted nematic liquid crystal display processes. International Journal of Production Research, 2004, 42, 2719-2734.	4.9	43
131	Distributional and Inferential Properties of the Process Loss Indices. Journal of Applied Statistics, 2004, 31, 1115-1135.	0.6	13
132	Hybrid Genetic Algorithm for Solving Assembly Line Balancing Problem in Footwear Industry. Advanced Materials Research, 0, 939, 623-629.	0.3	5
133	Acceptance sampling schemes for two-parameter Lindley lifetime products under a truncated life test. Quality Technology and Quantitative Management, 0, , 1-14.	1.1	7
134	Designing a yield-based skip-lot sampling plan for lot acceptance determination. Journal of the Operational Research Society, 0, , 1-22.	2.1	8
135	Developing a variables modified chain sampling plan with Taguchi capability index. Quality and Reliability Engineering International, 0, , .	1.4	1
136	A repetitive group sampling plan based on the lifetime performance index under gamma distribution. Quality and Reliability Engineering International, 0, , .	1.4	2