

Shey-Huei Sheu

List of Publications by Year in descending order

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106
papers

2,267
citations

201575

27
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276775

41
g-index

107
all docs

107
docs citations

107
times ranked

670
citing authors

#	ARTICLE	IF	CITATIONS
1	A nonparametric generally weighted moving average sign chart based on repetitive sampling. Communications in Statistics Part B: Simulation and Computation, 2022, 51, 1137-1156.	0.6	10
2	Optimization of retrial queue with unreliable servers subject to imperfect coverage and reboot delay. Quality Technology and Quantitative Management, 2022, 19, 428-453.	1.1	10
3	Optimal replacement policy with replacement last under cumulative damage models. Reliability Engineering and System Safety, 2021, 209, 107445.	5.1	8
4	A generalized age-dependent minimal repair with random working times. Computers and Industrial Engineering, 2021, 156, 107248.	3.4	13
5	A note on optimizing practical product warranty via linear pricing. Quality Technology and Quantitative Management, 2020, 17, 234-253.	1.1	6
6	Optimum replacement policy for cumulative damage models based on multi-attributes. Computers and Industrial Engineering, 2020, 139, 106206.	3.4	10
7	Optimal replacement policies for a system based on a one-cycle criterion. Reliability Engineering and System Safety, 2019, 191, 106527.	5.1	5
8	Optimization issues in k-out-of-n systems. Applied Mathematical Modelling, 2019, 73, 563-580.	2.2	16
9	Extended optimal preventive replacement policies with random working cycle. Reliability Engineering and System Safety, 2019, 188, 398-415.	5.1	38
10	The generalized age maintenance policies with random working times. Reliability Engineering and System Safety, 2018, 169, 503-514.	5.1	31
11	Forecasting the volatility of a combined multi-country stock index using GWMA algorithms. Expert Systems, 2018, 35, e12248.	2.9	1
12	A trivariate optimal replacement policy for a deteriorating system based on cumulative damage and inspections. Reliability Engineering and System Safety, 2017, 160, 74-88.	5.1	15
13	Cumulative Backup Policies for Database Systems. , 2017, , 235-254.		3
14	Robust Estimation for Weibull Distribution in Partially Accelerated Life Tests with Early Failures. Quality and Reliability Engineering International, 2016, 32, 2207-2216.	1.4	9
15	Optimal Replacement Policy Based on Cumulative Damage for a Two-Unit System. , 2016, , .		0
16	A note on a two variable block replacement policy for a system subject to non-homogeneous pure birth shocks. Applied Mathematical Modelling, 2016, 40, 3703-3712.	2.2	16
17	Optimal two-threshold replacement policy in a cumulative damage model. Annals of Operations Research, 2016, 244, 23-47.	2.6	6
18	Extended preventive replacement policy for a two-unit system subject to damage shocks. International Journal of Production Research, 2015, 53, 4614-4628.	4.9	16

#	ARTICLE	IF	CITATIONS
19	An extended optimal replacement model for a deteriorating system with inspections. Reliability Engineering and System Safety, 2015, 139, 33-49.	5.1	20
20	Optimal preventive maintenance and repair policies for multi-state systems. Reliability Engineering and System Safety, 2015, 140, 78-87.	5.1	61
21	Extended Optimal Replacement Policy for a Two-Unit System With Shock Damage Interaction. IEEE Transactions on Reliability, 2015, 64, 998-1014.	3.5	14
22	Optimal number of repairs before replacement for a two-unit system subject to non-homogeneous pure birth process. Computers and Industrial Engineering, 2014, 69, 71-76.	3.4	5
23	Optimal Trivariate Replacement Policies for a Deteriorating System. Quality Technology and Quantitative Management, 2014, 11, 307-320.	1.1	6
24	Quantitative Evaluation in Reliability and Maintenance. Quality Technology and Quantitative Management, 2014, 11, 229-230.	1.1	1
25	Chapter 5: Cumulative Damage Models with Random Working Times. , 2014, , 79-98.		3
26	An Optimal Age Replacement Policy for Multi-State Systems. IEEE Transactions on Reliability, 2013, 62, 722-735.	3.5	61
27	Extended optimal replacement policy for a two-unit system with failure rate interaction and external shocks. International Journal of Systems Science, 2013, 44, 877-888.	3.7	31
28	A Bivariate Optimal Replacement Policy for a System With Age-dependent Minimal Repair and Cumulative Repair-cost Limit. Communications in Statistics - Theory and Methods, 2013, 42, 4108-4126.	0.6	21
29	Application of generally weighted moving average method to tracking signal state space model. Expert Systems, 2013, 30, 429-435.	2.9	4
30	Age replacement policy with lead-time for a system subject to non-homogeneous pure birth shocks. Applied Mathematical Modelling, 2013, 37, 7717-7725.	2.2	14
31	Extended optimal replacement policy for a system subject to non-homogeneous pure birth shocks. Computers and Industrial Engineering, 2013, 64, 573-579.	3.4	9
32	Age replacement policy for a two-unit system subject to non-homogeneous pure birth shocks. Applied Mathematical Modelling, 2013, 37, 7027-7036.	2.2	15
33	Optimal Number of Repairs Before Replacement for a System Subject to Shocks of a Non-Homogeneous Pure Birth Process. IEEE Transactions on Reliability, 2013, 62, 73-81.	3.5	16
34	Optimal replacement model with age-dependent failure type based on a cumulative repair-cost limit policy. Applied Mathematical Modelling, 2013, 37, 308-317.	2.2	30
35	Phase II statistical process control for functional data. Journal of Statistical Computation and Simulation, 2013, 83, 2144-2159.	0.7	4
36	The Generally Weighted Moving Average Variance Chart. Communications in Statistics - Theory and Methods, 2013, 42, 3204-3214.	0.6	6

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37	Maximum Chi-Square Generally Weighted Moving Average Control Chart for Monitoring Process Mean and Variability. Communications in Statistics - Theory and Methods, 2013, 42, 4323-4341.	0.6	14
38	Availability of a repairable retrial system with warm standby components. International Journal of Computer Mathematics, 2013, 90, 2279-2297.	1.0	20
39	A generalised maintenance policy with age-dependent minimal repair cost for a system subject to shocks under periodic overhaul. International Journal of Systems Science, 2012, 43, 1007-1013.	3.7	35
40	A Block Replacement Policy for Systems Subject to Non-homogeneous Pure Birth Shocks. IEEE Transactions on Reliability, 2012, 61, 741-748.	3.5	8
41	An Extended Sequential Imperfect Preventive Maintenance Model with Improvement Factors. Communications in Statistics - Theory and Methods, 2012, 41, 1269-1283.	0.6	13
42	A note on replacement policy for a system subject to non-homogeneous pure birth shocks. European Journal of Operational Research, 2012, 216, 503-508.	3.5	24
43	Optimal maintenance policy for a system subject to damage in a discrete time process. Reliability Engineering and System Safety, 2012, 103, 1-10.	5.1	25
44	Erratum to "An Extended Periodic Imperfect Preventive Maintenance Model With Age-Dependent Failure Type" [Jun 09 397-405]. IEEE Transactions on Reliability, 2011, 60, 515-515.	3.5	2
45	A multi-criteria optimal replacement policy for a system subject to shocks. Computers and Industrial Engineering, 2011, 61, 1035-1043.	3.4	32
46	Optimal age-replacement time with minimal repair based on cumulative repair-cost limit for a system subject to shocks. Annals of Operations Research, 2011, 186, 317-329.	2.6	20
47	Age Replacement Policy with a Safety Constraint via the Bayesian Method. Communications in Statistics - Theory and Methods, 2011, 40, 4151-4164.	0.6	1
48	An age replacement policy via the Bayesian method. International Journal of Systems Science, 2011, 42, 469-477.	3.7	6
49	Optimal age-replacement model with age-dependent type of failure and random lead time based on a cumulative repair-cost limit policy. Annals of Operations Research, 2010, 181, 723-744.	2.6	21
50	A Periodic Replacement Model Based on Cumulative Repair-Cost Limit for a System Subjected to Shocks. IEEE Transactions on Reliability, 2010, 59, 374-382.	3.5	20
51	Optimal number of minimal repairs before replacement based on a cumulative repair-cost limit policy. Computers and Industrial Engineering, 2010, 59, 603-610.	3.4	46
52	Bayesian multivariate imperfect repair model. Journal of Statistics and Management Systems, 2010, 13, 1133-1148.	0.3	0
53	Extended periodic imperfect preventive maintenance model of a system subjected to shocks. International Journal of Systems Science, 2010, 41, 1145-1153.	3.7	17
54	A Generalized Periodic Preventive Maintenance Model With Virtual Age for a System Subjected to Shocks. Communications in Statistics - Theory and Methods, 2010, 39, 2379-2393.	0.6	11

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55	Optimal age-replacement time with minimal repair based on cumulative repair cost limit and random lead time. <i>International Journal of Systems Science</i> , 2009, 40, 703-715.	3.7	25
56	An Extended Periodic Imperfect Preventive Maintenance Model With Age-Dependent Failure Type. <i>IEEE Transactions on Reliability</i> , 2009, 58, 397-405.	3.5	70
57	Monitoring process mean and variability with generally weighted moving average control charts. <i>Computers and Industrial Engineering</i> , 2009, 57, 401-407.	3.4	36
58	Monitoring the mean of autocorrelated observations with one generally weighted moving average control chart. <i>Journal of Statistical Computation and Simulation</i> , 2009, 79, 1393-1406.	0.7	16
59	The extended GWMA control chart. <i>Journal of Applied Statistics</i> , 2009, 36, 135-147.	0.6	34
60	MONITORING AUTOCORRELATED PROCESS MEAN AND VARIANCE USING A GWMA CHART BASED ON RESIDUALS. <i>Asia-Pacific Journal of Operational Research</i> , 2008, 25, 781-792.	0.9	12
61	Fast Initial Response Features for Poisson GWMA Control Charts. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2008, 37, 1422-1439.	0.6	17
62	Poisson GWMA Control Chart. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2007, 36, 1099-1114.	0.6	26
63	Economic design of the integrated multivariate EPC and multivariate SPC charts. <i>Quality and Reliability Engineering International</i> , 2007, 23, 203-218.	1.4	14
64	The Generally Weighted Moving Average Control Chart for Monitoring the Process Median. <i>Quality Engineering</i> , 2006, 18, 333-344.	0.7	37
65	The Generally Weighted Moving Average Median Control Chart. <i>Quality Technology and Quantitative Management</i> , 2006, 3, 455-471.	1.1	12
66	Extended optimal age-replacement policy with minimal repair of a system subject to shocks. <i>European Journal of Operational Research</i> , 2006, 174, 169-181.	3.5	72
67	An extended optimal replacement model of systems subject to shocks. <i>European Journal of Operational Research</i> , 2006, 175, 399-412.	3.5	55
68	Integrating multivariate engineering process control and multivariate statistical process control. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 29, 129-136.	1.5	21
69	Optimal number of production corrections before maintenance of imperfect production processes. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 30, 319-327.	1.5	0
70	Generally weighted moving average control chart for monitoring process variability. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 30, 452-458.	1.5	30
71	AN EXTENDED EXPONENTIALLT WEIGHTED MOVING AVERAGE CONTROL CHART FOR MONITORING POISSON OBSERVATIONS. , 2006, , .		0
72	TWO STAGE BURN-IN POLICY. , 2006, , .		0

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73	Optimal Policies With Decreasing Probability of Imperfect Maintenance. IEEE Transactions on Reliability, 2005, 54, 347-357.	3.5	32
74	OPTIMAL WARRANTY PERIOD AND OPTIMAL REPLACEMENT AGE OUT-OF-WARRANTY. Journal of the Chinese Institute of Industrial Engineers, 2005, 22, 401-407.	0.5	5
75	Optimal lot-sizing problem with imperfect maintenance and imperfect production. International Journal of Systems Science, 2004, 35, 69-77.	3.7	38
76	WARRANTY STRATEGY ACCOUNTS FOR PRODUCTS WITH BATHTUB FAILURE RATE. , 2004, , .		0
77	JOINT DETERMINATION OF THE IMPERFECT MAINTENANCE AND IMPERFECT PRODUCTION TO LOT-SIZING PROBLEM. , 2004, , .		0
78	Generalized sequential preventive maintenance policy of a system subject to shocks. International Journal of Systems Science, 2002, 33, 267-276.	3.7	9
79	An optimal replacement period for a k-out-of-n: F system subject to shocks. International Journal of Systems Science, 2001, 32, 565-573.	3.7	7
80	A Bayesian approach to an adaptive preventive maintenance model. Reliability Engineering and System Safety, 2001, 71, 33-44.	5.1	56
81	Optimal age and block replacement policies for a multi-component system with failure interaction. International Journal of Systems Science, 2000, 31, 593-603.	3.7	48
82	A Bayesian perspective on age replacement with minimal repair. Reliability Engineering and System Safety, 1999, 65, 55-64.	5.1	37
83	Extended optimal replacement model for deteriorating systems. European Journal of Operational Research, 1999, 112, 503-516.	3.5	66
84	A generalized age and block replacement of a system subject to shocks. European Journal of Operational Research, 1998, 108, 345-362.	3.5	103
85	Optimal age and block replacement policies for a multi-component system with a shock type failure interaction. International Journal of Systems Science, 1998, 29, 805-817.	3.7	5
86	Extended block replacement policy of a system subject to shocks. IEEE Transactions on Reliability, 1997, 46, 375-382.	3.5	13
87	A modified block replacement policy with two variables and general random minimal repair cost. Journal of Applied Probability, 1996, 33, 557-572.	0.4	9
88	Optimal number of minimal repairs before replacement of a system subject to shocks. Naval Research Logistics, 1996, 43, 319-333.	1.4	89
89	A modified block replacement policy with two variables and general random minimal repair cost. Journal of Applied Probability, 1996, 33, 557-572.	0.4	23
90	Extended optimal replacement model with random minimal repair costs. European Journal of Operational Research, 1995, 85, 636-649.	3.5	107

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91	A generalized sequential preventive maintenance policy for repairable systems with general random minimal repair costs. International Journal of Systems Science, 1995, 26, 681-690.	3.7	10
92	Optimal age replacement policy of a k -out-of- n system with age-dependent minimal repair. RAIRO - Operations Research, 1994, 28, 85-96.	1.0	5
93	A generalized model for determining optimal number of minimal repairs before replacement. European Journal of Operational Research, 1993, 69, 38-49.	3.5	34
94	Extended optimal age replacement policy with minimal repair. RAIRO - Operations Research, 1993, 27, 337-351.	1.0	28
95	Multivariate imperfect repair. Journal of Applied Probability, 1992, 29, 947-956.	0.4	27
96	Optimal block replacement policies with multiple choice at failure. Journal of Applied Probability, 1992, 29, 129-141.	0.4	26
97	Optimal block replacement policies with multiple choice at failure. Journal of Applied Probability, 1992, 29, 129-141.	0.4	22
98	Multivariate imperfect repair. Journal of Applied Probability, 1992, 29, 947-956.	0.4	15
99	An ordering policy with age-dependent minimal repair and age-dependent random repair costs. Microelectronics Reliability, 1992, 32, 1105-1113.	0.9	7
100	A general replacement of a system subject to shocks. Microelectronics Reliability, 1992, 32, 657-662.	0.9	2
101	An age replacement policy with minimal repair and general random repair cost. Microelectronics Reliability, 1992, 32, 1283-1289.	0.9	4
102	A Generalized Block Replacement Policy with Minimal Repair and General Random Repair Costs for a Multi-unit System. Journal of the Operational Research Society, 1991, 42, 331-341.	2.1	57
103	Multivariate age-dependent imperfect repair. Naval Research Logistics, 1991, 38, 839-850.	1.4	43
104	Integrating EPC and SPC for MIMO System. , 0, , .		0
105	Optimal number of minimal repairs before replacement of a deteriorating system with inspections. International Journal of Systems Science, 0, , 1-13.	3.7	3
106	Optimal periodic preventive maintenance policy for a system subject to failures/repairs which follow the non-homogeneous pure birth process. Quality Technology and Quantitative Management, 0, , 1-13.	1.1	9