

Stefanka Chukova

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

1,017
citations

516710

16
h-index

477307

29
g-index

83
all docs

83
docs citations

83
times ranked

468
citing authors

#	ARTICLE	IF	CITATIONS
1	Mean and variance of an alternating geometric process: An application in warranty cost analysis. Quality and Reliability Engineering International, 2022, 38, 2968-2985.	2.3	5
2	Delayed Reporting of Faults in Warranty Claims. IEEE Transactions on Reliability, 2020, 69, 1178-1194.	4.6	0
3	Nonzero repair times dependent on the failure hazard. Quality and Reliability Engineering International, 2020, 36, 988-1004.	2.3	0
4	Geometric PÃ³lya-Aeppli process. Stochastics, 2020, 92, 1261-1275.	1.1	2
5	Mean and Variance of an Alternating Geometric Process. , 2020, , .		1
6	Nonparametric Bayesian Analysis of Hazard Rate Functions using the Gamma Process Prior. , 2020, , .		0
7	Geometric-Like Processes: An Overview and Some Reliability Applications. Reliability Engineering and System Safety, 2020, 201, 106990.	8.9	14
8	Warranty cost analysis with an alternating geometric process. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2019, 233, 698-715.	0.7	5
9	A stochastic process for modeling failures of a system having a non-monotonic hazard rate function. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2019, 233, 731-746.	0.7	0
10	Non-homogeneous PÃ³lya-Aeppli process. Communications in Statistics Part B: Simulation and Computation, 2019, 48, 2955-2967.	1.2	4
11	An inertia model for the adoption of new farming practices. International Transactions in Operational Research, 2019, 26, 667-685.	2.7	7
12	Geometric and Geometric-Like Processes and Their Applications in Warranty Analysis. , 2019, , 1-23.		1
13	Warranty cost analysis: Increasing warranty repair times. Applied Stochastic Models in Business and Industry, 2018, 34, 544-561.	1.5	18
14	Inference for Multicomponent Systems With Dependent Failures. IEEE Transactions on Reliability, 2017, 66, 616-629.	4.6	0
15	Using Copulas to Model and Simulate Twoâ€dimensional Warranty Data. Quality and Reliability Engineering International, 2017, 33, 595-605.	2.3	6
16	An optimal ageâ€usage maintenance strategy containing a failure penalty for application to railway tracks. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2016, 230, 407-417.	2.0	17
17	Failure distributions in multicomponent systems with imperfect repairs. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2016, 230, 4-17.	0.7	1
18	PÃ³lyaâ€Aeppli of Order<i>k</i>Risk Model. Communications in Statistics Part B: Simulation and Computation, 2015, 44, 551-564.	1.2	4

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19	Performance evaluation of an OBS network as a IPP/M/W/W network. Applied Mathematical Modelling, 2015, 39, 965-981.	4.2	2
20	Optimal burn-in and warranty for a product with post-warranty failure penalty. International Journal of Advanced Manufacturing Technology, 2014, 70, 297-307.	3.0	15
21	Robust decomposable Markov decision processes motivated by allocating school budgets. European Journal of Operational Research, 2014, 239, 199-213.	5.7	7
22	Optimal upgrade strategy, warranty policy and sale price for second-hand products. Applied Stochastic Models in Business and Industry, 2013, 29, 157-169.	1.5	36
23	Maintenance models in warranty: A literature review. European Journal of Operational Research, 2013, 229, 561-572.	5.7	205
24	One-dimensional warranty cost analysis for second-hand items: an overview. International Journal of Quality and Reliability Management, 2013, 30, 239-255.	2.0	9
25	Characterization of the P ³ lya-Aeppli Process. Stochastic Analysis and Applications, 2013, 31, 590-599.	1.5	11
26	Auto warranty and driving patterns. Reliability Engineering and System Safety, 2013, 116, 126-134.	8.9	10
27	Multicomponent Systems With Multiplicative Aging and Dependent Failures. IEEE Transactions on Reliability, 2013, 62, 286-295.	4.6	11
28	Foreword: Special issue on statistical reliability and maintenance modeling. Applied Stochastic Models in Business and Industry, 2013, 29, 93-93.	1.5	0
29	Warranty/Maintenance: On Modeling Non-zero Rectification Times. Springer Series in Reliability Engineering, 2013, , 63-99.	0.5	0
30	WARRANTY AND OPTIMAL UPGRADE STRATEGY FOR USED SYSTEMS: AN ELECTRIC DRILL CASE STUDY. Asia-Pacific Journal of Operational Research, 2012, 29, 1250023.	1.3	3
31	An imperfect repair strategy for two-dimensional warranty. Journal of the Operational Research Society, 2012, 63, 846-859.	3.4	5
32	A two-dimensional warranty servicing strategy based on reduction in product failure intensity. Computers and Mathematics With Applications, 2012, 63, 201-213.	2.7	35
33	Multivariate insurance models: An overview. Insurance: Mathematics and Economics, 2012, 51, 222-227.	1.2	15
34	Automotive warranty data: On the relationship between the driving patterns and warranty. , 2011, , .		2
35	Two-Dimensional Warranty Cost Analysis for Second-Hand Products. Communications in Statistics - Theory and Methods, 2011, 40, 684-701.	1.0	37
36	On the investment in a reliability improvement program for warranted second-hand items. IIE Transactions, 2011, 43, 525-534.	2.1	44

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37	Single-server Poisson queueing system with splitting and delayed-feedback: Part I. International Journal of Mathematics in Operational Research, 2011, 3, 1.	0.2	10
38	On optimal replacement-repair policy for multi-state deteriorating products under renewing free replacement warranty. Computers and Mathematics With Applications, 2011, 61, 840-850.	2.7	15
39	On optimal upgrade level for used products under given cost structures. Reliability Engineering and System Safety, 2011, 96, 286-291.	8.9	53
40	Automotive warranty data: stratification approach for estimating the mean cumulative function. International Journal of Product Development, 2010, 12, 254.	0.2	5
41	On analysing warranty data from repairable items. Quality and Reliability Engineering International, 2010, 26, 43-52.	2.3	7
42	Warranty Optimization in a Dynamic Environment. Journal of Applied Mathematics and Decision Sciences, 2009, 2009, 1-14.	0.4	0
43	ON TWO TYPES OF WARRANTIES: WARRANTY OF MALFUNCTIONING AND WARRANTY OF MISINFORMING. Asia-Pacific Journal of Operational Research, 2009, 26, 399-420.	1.3	27
44	Product warranty: modelling with 2D-renewal process. International Journal of Reliability and Safety, 2008, 2, 209.	0.2	8
45	Two-dimensional warranty repair strategy based on minimal and complete repairs. Mathematical and Computer Modelling, 2006, 44, 1133-1143.	2.0	52
46	Warranty cost analysis: quasi-renewal inter-repair times. International Journal of Quality and Reliability Management, 2005, 22, 687-698.	2.0	18
47	Reducing quadratic programming problem to regression problem: Stepwise algorithm. European Journal of Operational Research, 2005, 164, 79-88.	5.7	7
48	A FINITE CAPACITY RESEQUENCING MODEL WITH MARKOVIAN ARRIVALS. Asia-Pacific Journal of Operational Research, 2005, 22, 409-443.	1.3	4
49	Warranty analysis: An approach to modeling imperfect repairs. International Journal of Production Economics, 2004, 89, 57-68.	8.9	56
50	Warranty cost analysis: non-zero repair time. Applied Stochastic Models in Business and Industry, 2004, 20, 59-71.	1.5	36
51	Warranty costs: An age-dependent failure/repair model. Naval Research Logistics, 2004, 51, 959-976.	2.2	34
52	On the Relationship Between Regression Analysis and Mathematical Programming. Journal of Applied Mathematics and Decision Sciences, 2004, 8, 131-140.	0.4	1
53	Warranty claims as marked point processes. Nonlinear Analysis: Theory, Methods & Applications, 2001, 47, 2145-2150.	1.1	1
54	Modeling uncertainty in periodic random environment: applications to environmental studies. Environmetrics, 1999, 10, 467-485.	1.4	2

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55	Processing Times Modeled by Reliability Systems with a Random Number of Spare Units. European Journal of Engineering Education, 1999, 24, 277-289.	2.3	0
56	Analysis of MAP/M/2/K queueing model with infinite resequencing buffer. Performance Evaluation, 1998, 31, 211-228.	1.2	5
57	Probability Distributions in Periodic Random Environment and Their Applications. SIAM Journal on Applied Mathematics, 1997, 57, 501-517.	1.8	17
58	Some moment properties and limit theorems of the reversed generalized logistic distribution with applications. Communications in Statistics - Theory and Methods, 1996, 25, 609-630.	1.0	7
59	Definitions, characterizations and structural properties of probability distributions similar to the exponential. Journal of Statistical Planning and Inference, 1995, 43, 271-287.	0.6	7
60	Renewal and nonhomogeneous Poisson processes generated by distributions with periodic failure rate. Statistics and Probability Letters, 1993, 17, 19-25.	0.7	16
61	A characterization of probability distributions similar to the exponential. Canadian Journal of Statistics, 1993, 21, 269-276.	0.9	14
62	On revelation transforms that characterize probability distributions. Journal of Applied Mathematics and Stochastic Analysis, 1993, 6, 345-357.	0.3	4
63	On distributions having the almost-lack-of-memory property. Journal of Applied Probability, 1992, 29, 691-698.	0.7	11
64	Assessment of Quality of Warranty Policy. Interdisciplinary Journal of Information, Knowledge, and Management, 0, 5, 061-072.	0.0	3
65	The Risk of Misinforming for Competing Messages. Informing Science and IT Education Conference, 0, , .	0.0	1
66	A Measure of Risk Caused by Information Asymmetry in e-Commerce. Issues in Informing Science and Information Technology, 0, 3, 147-158.	0.0	14
67	A Measure of Risk Caused by Information Asymmetry in e-Commerce. Informing Science and IT Education Conference, 0, , .	0.0	9
68	On the Relationship between Warranty and the Risk of Information Asymmetry. Issues in Informing Science and Information Technology, 0, 4, 235-249.	0.0	5
69	On the Relationship between Warranty and the Risk of Information Asymmetry. Informing Science and IT Education Conference, 0, , .	0.0	6
70	Warranty and the Risk of Misinforming: Evaluation of the Degree of Acceptance. , 0, , .		0
71	Warranty and the Risk of Misinforming: Evaluation of the Degree of Acceptance. Issues in Informing Science and Information Technology, 0, 5, 667-677.	0.0	8
72	The Risk of Misinforming for Competing Messages. Issues in Informing Science and Information Technology, 0, 6, 351-364.	0.0	6

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73	Assessment of Risk of Misinforming: Dynamic Measures. Interdisciplinary Journal of Information, Knowledge, and Management, 0, 6, 163-176.	0.0	5
74	Market Segmentation based on Risk of Misinforming Reduction. Issues in Informing Science and Information Technology, 0, 9, 253-265.	0.0	4
75	The Role of Warranty of Misinforming for New Product Adoption. Issues in Informing Science and Information Technology, 0, 10, 111-120.	0.0	2
76	Warranty of Misinforming: An Overview. Issues in Informing Science and Information Technology, 0, 11, 031-046.	0.0	2
77	Risk of Misinforming and Message Customization in Customer Related Management. Informing Science and IT Education Conference, 0, , .	0.0	1
78	Risk of Misinforming and Message Customization in Customer Related Management. Informing Science, 0, 18, 047-061.	0.0	0
79	Warranty of Misinforming as an Option in Product Utilization Process. Informing Science, 0, 19, 075-087.	0.0	2
80	Warranty of Misinforming as an Option in Product Utilization Process. , 0, , .		0