

# Stefanka Chukova

## List of Publications by Year in descending order

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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	Maintenance models in warranty: A literature review. <i>European Journal of Operational Research</i> , 2013, 229, 561-572.	5.7	205
2	Warranty analysis: An approach to modeling imperfect repairs. <i>International Journal of Production Economics</i> , 2004, 89, 57-68.	8.9	56
3	On optimal upgrade level for used products under given cost structures. <i>Reliability Engineering and System Safety</i> , 2011, 96, 286-291.	8.9	53
4	Two-dimensional warranty repair strategy based on minimal and complete repairs. <i>Mathematical and Computer Modelling</i> , 2006, 44, 1133-1143.	2.0	52
5	On the investment in a reliability improvement program for warranted second-hand items. <i>IIE Transactions</i> , 2011, 43, 525-534.	2.1	44
6	Two-Dimensional Warranty Cost Analysis for Second-Hand Products. <i>Communications in Statistics - Theory and Methods</i> , 2011, 40, 684-701.	1.0	37
7	Warranty cost analysis: non-zero repair time. <i>Applied Stochastic Models in Business and Industry</i> , 2004, 20, 59-71.	1.5	36
8	Optimal upgrade strategy, warranty policy and sale price for second-hand products. <i>Applied Stochastic Models in Business and Industry</i> , 2013, 29, 157-169.	1.5	36
9	A two-dimensional warranty servicing strategy based on reduction in product failure intensity. <i>Computers and Mathematics With Applications</i> , 2012, 63, 201-213.	2.7	35
10	Warranty costs: An age-dependent failure/repair model. <i>Naval Research Logistics</i> , 2004, 51, 959-976.	2.2	34
11	ON TWO TYPES OF WARRANTIES: WARRANTY OF MALFUNCTIONING AND WARRANTY OF MISINFORMING. <i>Asia-Pacific Journal of Operational Research</i> , 2009, 26, 399-420.	1.3	27
12	Warranty cost analysis: quasi-renewal inter-repair times. <i>International Journal of Quality and Reliability Management</i> , 2005, 22, 687-698.	2.0	18
13	Warranty cost analysis: Increasing warranty repair times. <i>Applied Stochastic Models in Business and Industry</i> , 2018, 34, 544-561.	1.5	18
14	Probability Distributions in Periodic Random Environment and Their Applications. <i>SIAM Journal on Applied Mathematics</i> , 1997, 57, 501-517.	1.8	17
15	An optimal age-usage maintenance strategy containing a failure penalty for application to railway tracks. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2016, 230, 407-417.	2.0	17
16	Renewal and nonhomogeneous Poisson processes generated by distributions with periodic failure rate. <i>Statistics and Probability Letters</i> , 1993, 17, 19-25.	0.7	16
17	On optimal replacement-repair policy for multi-state deteriorating products under renewing free replacement warranty. <i>Computers and Mathematics With Applications</i> , 2011, 61, 840-850.	2.7	15
18	Multivariate insurance models: An overview. <i>Insurance: Mathematics and Economics</i> , 2012, 51, 222-227.	1.2	15

#	ARTICLE	IF	CITATIONS
19	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
20	A characterization of probability distributions similar to the exponential. Canadian Journal of Statistics, 1993, 21, 269-276.	0.9	14
21	Geometric-Like Processes: An Overview and Some Reliability Applications. Reliability Engineering and System Safety, 2020, 201, 106990.	8.9	14
22	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
23	On distributions having the almost-lack-of-memory property. Journal of Applied Probability, 1992, 29, 691-698.	0.7	11
24	Characterization of the P <sup>3</sup> lya-Aeppli Process. Stochastic Analysis and Applications, 2013, 31, 590-599.	1.5	11
25	Multicomponent Systems With Multiplicative Aging and Dependent Failures. IEEE Transactions on Reliability, 2013, 62, 286-295.	4.6	11
26	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
27	Auto warranty and driving patterns. Reliability Engineering and System Safety, 2013, 116, 126-134.	8.9	10
28	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
29	A Measure of Risk Caused by Information Asymmetry in e-Commerce. Informing Science and IT Education Conference, 0, , .	0.0	9
30	Product warranty: modelling with 2D-renewal process. International Journal of Reliability and Safety, 2008, 2, 209.	0.2	8
31	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
32	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
33	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
34	Reducing quadratic programming problem to regression problem: Stepwise algorithm. European Journal of Operational Research, 2005, 164, 79-88.	5.7	7
35	On analysing warranty data from repairable items. Quality and Reliability Engineering International, 2010, 26, 43-52.	2.3	7
36	Robust decomposable Markov decision processes motivated by allocating school budgets. European Journal of Operational Research, 2014, 239, 199-213.	5.7	7

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37	An inertia model for the adoption of new farming practices. <i>International Transactions in Operational Research</i> , 2019, 26, 667-685.	2.7	7
38	Using Copulas to Model and Simulate Two-dimensional Warranty Data. <i>Quality and Reliability Engineering International</i> , 2017, 33, 595-605.	2.3	6
39	On the Relationship between Warranty and the Risk of Information Asymmetry. <i>Informing Science and IT Education Conference</i> , 0, , .	0.0	6
40	The Risk of Misinforming for Competing Messages. <i>Issues in Informing Science and Information Technology</i> , 0, 6, 351-364.	0.0	6
41	Analysis of MAP/M/2/K queueing model with infinite resequencing buffer. <i>Performance Evaluation</i> , 1998, 31, 211-228.	1.2	5
42	Automotive warranty data: stratification approach for estimating the mean cumulative function. <i>International Journal of Product Development</i> , 2010, 12, 254.	0.2	5
43	An imperfect repair strategy for two-dimensional warranty. <i>Journal of the Operational Research Society</i> , 2012, 63, 846-859.	3.4	5
44	Warranty cost analysis with an alternating geometric process. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2019, 233, 698-715.	0.7	5
45	Mean and variance of an alternating geometric process: An application in warranty cost analysis. <i>Quality and Reliability Engineering International</i> , 2022, 38, 2968-2985.	2.3	5
46	On the Relationship between Warranty and the Risk of Information Asymmetry. <i>Issues in Informing Science and Information Technology</i> , 0, 4, 235-249.	0.0	5
47	Assessment of Risk of Misinforming: Dynamic Measures. <i>Interdisciplinary Journal of Information, Knowledge, and Management</i> , 0, 6, 163-176.	0.0	5
48	On revelation transforms that characterize probability distributions. <i>Journal of Applied Mathematics and Stochastic Analysis</i> , 1993, 6, 345-357.	0.3	4
49	A FINITE CAPACITY RESEQUENCING MODEL WITH MARKOVIAN ARRIVALS. <i>Asia-Pacific Journal of Operational Research</i> , 2005, 22, 409-443.	1.3	4
50	P <sup>3</sup> lyaa€Aeppli of Order<i>k</i>Risk Model. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2015, 44, 551-564.	1.2	4
51	Non-homogeneous P <sup>3</sup> lyaaeppli process. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2019, 48, 2955-2967.	1.2	4
52	Market Segmentation based on Risk of Misinforming Reduction. <i>Issues in Informing Science and Information Technology</i> , 0, 9, 253-265.	0.0	4
53	WARRANTY AND OPTIMAL UPGRADE STRATEGY FOR USED SYSTEMS: AN ELECTRIC DRILL CASE STUDY. <i>Asia-Pacific Journal of Operational Research</i> , 2012, 29, 1250023.	1.3	3
54	Assessment of Quality of Warranty Policy. <i>Interdisciplinary Journal of Information, Knowledge, and Management</i> , 0, 5, 061-072.	0.0	3

#	ARTICLE	IF	CITATIONS
55	Modeling uncertainty in periodic random environment: applications to environmental studies. <i>Environmetrics</i> , 1999, 10, 467-485.	1.4	2
56	Automotive warranty data: On the relationship between the driving patterns and warranty. , 2011, , .		2
57	Performance evaluation of an OBS network as a IPP/M/W/W network. <i>Applied Mathematical Modelling</i> , 2015, 39, 965-981.	4.2	2
58	Geometric PÃ³lya-Aeppli process. <i>Stochastics</i> , 2020, 92, 1261-1275.	1.1	2
59	The Role of Warranty of Misinforming for New Product Adoption. <i>Issues in Informing Science and Information Technology</i> , 0, 10, 111-120.	0.0	2
60	Warranty of Misinforming: An Overview. <i>Issues in Informing Science and Information Technology</i> , 0, 11, 031-046.	0.0	2
61	Warranty of Misinforming as an Option in Product Utilization Process. <i>Informing Science</i> , 0, 19, 075-087.	0.0	2
62	Warranty claims as marked point processes. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2001, 47, 2145-2150.	1.1	1
63	Failure distributions in multicomponent systems with imperfect repairs. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2016, 230, 4-17.	0.7	1
64	Mean and Variance of an Alternating Geometric Process. , 2020, , .		1
65	Geometric and Geometric-Like Processes and Their Applications in Warranty Analysis. , 2019, , 1-23.		1
66	On the Relationship Between Regression Analysis and Mathematical Programming. <i>Journal of Applied Mathematics and Decision Sciences</i> , 2004, 8, 131-140.	0.4	1
67	The Risk of Misinforming for Competing Messages. <i>Informing Science and IT Education Conference</i> , 0, , .	0.0	1
68	Risk of Misinforming and Message Customization in Customer Related Management. <i>Informing Science and IT Education Conference</i> , 0, , .	0.0	1
69	Processing Times Modeled by Reliability Systems with a Random Number of Spare Units. <i>European Journal of Engineering Education</i> , 1999, 24, 277-289.	2.3	0
70	Warranty Optimization in a Dynamic Environment. <i>Journal of Applied Mathematics and Decision Sciences</i> , 2009, 2009, 1-14.	0.4	0
71	Foreword: Special issue on statistical reliability and maintenance modeling. <i>Applied Stochastic Models in Business and Industry</i> , 2013, 29, 93-93.	1.5	0
72	Inference for Multicomponent Systems With Dependent Failures. <i>IEEE Transactions on Reliability</i> , 2017, 66, 616-629.	4.6	0

#	ARTICLE	IF	CITATIONS
73	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
74	Delayed Reporting of Faults in Warranty Claims. IEEE Transactions on Reliability, 2020, 69, 1178-1194.	4.6	0
75	Nonzero repair times dependent on the failure hazard. Quality and Reliability Engineering International, 2020, 36, 988-1004.	2.3	0
76	Nonparametric Bayesian Analysis of Hazard Rate Functions using the Gamma Process Prior. , 2020, , .		0
77	Warranty and the Risk of Misinforming: Evaluation of the Degree of Acceptance. , 0, , .		0
78	Warranty/Maintenance: On Modeling Non-zero Rectification Times. Springer Series in Reliability Engineering, 2013, , 63-99.	0.5	0
79	Risk of Misinforming and Message Customization in Customer Related Management. Informing Science, 0, 18, 047-061.	0.0	0
80	Warranty of Misinforming as an Option in Product Utilization Process. , 0, , .		0