Guan Jun Wang

List of Publications by Year
in descending order

50 papers	915 citations	471061 17 h-index	500791 28 g-index
50 all docs	50 docs citations	50 times ranked	691 citing authors

#	Article	IF	Citations
1	Minimal repair models with non-negligible repair time. Reliability Engineering and System Safety, 2022, 217, 108046.	5.1	9
2	Two shock models for singleâ€component systems subject to mutually dependent failure processes. Quality and Reliability Engineering International, 2022, 38, 635-658.	1.4	11
3	Bayesian analysis for the transformed exponential dispersion process with random effects. Reliability Engineering and System Safety, 2022, 217, 108104.	5.1	10
4	Optimal periodic preventive maintenance policies for systems subject to shocks. Applied Mathematical Modelling, 2021, 93, 101-114.	2.2	26
5	Optimal replacement strategies for warranty products with multiple failure modes after warranty expiry. Computers and Industrial Engineering, 2021, 153, 107040.	3.4	28
6	Reliability analysis for systems subject to mutually dependent degradation and shock processes. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2021, 235, 1009-1025.	0.6	6
7	Reliability analysis for multi-component systems with interdependent competing failure processes. Applied Mathematical Modelling, 2021, 94, 446-459.	2.2	30
8	Optimal maintenance strategies for warranty products with limited repair time and limited repair number. Reliability Engineering and System Safety, 2021, 210, 107554.	5.1	36
9	Early Prediction of Sepsis Based on Machine Learning Algorithm. Computational Intelligence and Neuroscience, 2021, 2021, 1-13.	1.1	16
10	A Post-Warranty Maintenance Strategy Considering Product Age. , 2021, , .		0
11	Remaining Useful Life Estimation Based on Wiener Degradation Process With Mixed Random Effects. , 2020, , .		0
12	Reliability analysis for competing failure processes with mutual dependence of the system under the cumulative shock. , 2020, , .		2
13	Reliability of a Star Configuration Power Grid System with Performance Sharing. , 2020, , .		2
14	A geometric process warranty model using a combination policy. Communications in Statistics - Theory and Methods, 2019, 48, 1493-1505.	0.6	8
15	Optimal design for constant-stress accelerated degradation test based on gamma process. Communications in Statistics - Theory and Methods, 2019, 48, 2229-2253.	0.6	24
16	The semi-geometric process and some properties. IMA Journal of Management Mathematics, 2018, 29, 229-245.	1.1	20
17	Inverse Gaussian process models for bivariate degradation analysis: A Bayesian perspective. Communications in Statistics Part B: Simulation and Computation, 2018, 47, 166-186.	0.6	13
18	Optimal step-stress accelerated degradation test plans for inverse Gaussian process based on proportional degradation rate model. Journal of Statistical Computation and Simulation, 2018, 88, 305-328.	0.7	12

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19	Bivariate Constant-Stress Accelerated Degradation Model and Inference Based on the Inverse Gaussian Process. Journal of Shanghai Jiaotong University (Science), 2018, 23, 784-790.	0.5	2
20	Planning of step-stress accelerated degradation test based on non-stationary gamma process with random effects. Computers and Industrial Engineering, 2018, 125, 467-479.	3.4	16
21	Reliability evaluation of unrepairable k -out-of- n : G systems with phased-mission requirements based on record values. Reliability Engineering and System Safety, 2018, 178, 191-197.	5.1	47
22	Exponential-Dispersion Degradation Process Models With Random Effects and Covariates. IEEE Transactions on Reliability, 2018, 67, 1128-1142.	3.5	22
23	An optimal age-replacement policy for a simple repairable system with delayed repair. Communications in Statistics - Theory and Methods, 2017, 46, 2837-2850.	0.6	12
24	Generalized geometric process and its application in maintenance problems. Applied Mathematical Modelling, 2017, 49, 554-567.	2.2	25
25	Reliability Modeling of Two-Phase Gamma Degradation Process. , 2017, , .		0
26	A geometric process repair model for a cold standby repairable system with imperfect delay repair and priority in use. Communications in Statistics - Theory and Methods, 2017, 46, 8046-8058.	0.6	3
27	A generalised Î´-shock model with two types of shocks. International Journal of Systems Science: Operations and Logistics, 2017, 4, 372-383.	2.0	13
28	Preventive Maintenance Models Based on the Generalized Geometric Process. IEEE Transactions on Reliability, 2017, 66, 1380-1388.	3.5	22
29	Reliability modeling of two-phase inverse Gaussian degradation process. , 2017, , .		0
30	An optimal age-replacement policy for a cold standby repairable system with priority in use and repair. International Journal of Systems Science: Operations and Logistics, 2016, 3, 223-235.	2.0	0
31	An extended geometric process repair model for a cold standby repairable system with imperfect delayed repair. International Journal of Systems Science: Operations and Logistics, 2016, 3, 163-175.	2.0	13
32	Optimal replacement policy for a two-dissimilar-component cold standby system with different repair actions. International Journal of Systems Science, 2016, 47, 1021-1031.	3.7	13
33	Geometric process model for a system with inspections and preventive repair. Computers and Industrial Engineering, 2014, 75, 13-19.	3.4	35
34	Optimal repairâ€“replacement policies for a system with two types of failures. European Journal of Operational Research, 2013, 226, 500-506.	3.5	36
35	Exponential stability analysis for delayed stochastic Cohenâ€“Grossberg neural network. International Journal of Computational Intelligence Systems, 2010, 3, 96-102.	1.6	0
36	Novel all-cellulose ecocomposites prepared in ionic liquids. Cellulose, 2009, 16, 217-226.	2.4	80

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37	Exponential stability in the mean square forÂstochasticÂneural networks with mixed time-delays andÂMarkovian jumping parameters. Nonlinear Dynamics, 2009, 57, 209-218.	2.7	56
38	A geometric process repair model for a two-component system with shock damage interaction. International Journal of Systems Science, 2009, 40, 1207-1215.	3.7	19
39	Reliability Bounds for Multi-State k-out-of-n Systems. IEEE Transactions on Reliability, 2008, 57, 53-58.	3.5	23
40	An optimal replacement policy for repairable cold standby system with priority in use. International Journal of Systems Science, 2007, 38, 1021-1027.	3.7	10
41	A bivariate optimal repair-replacement model using geometric processes for a cold standby repairable system. Engineering Optimization, 2006, 38, 609-619.	1.5	27
42	Reversed preservation properties of some negative aging conceptions and stochastic orders. Statistical Papers, 2005, 46, 65-78.	0.7	13
43	TQM: A change management model for market orientation. Total Quality Management and Business Excellence, 2005, 16, 439-461.	2.4	35
44	A riskâ€based maintenance management model for toll road/tunnel operations. Construction Management and Economics, 2003, 21, 495-510.	1.8	15
45	Teaching new product development in universities: an action learning approach. European Journal of Engineering Education, 2003, 28, 339-352.	1.5	11
46	Sequential imperfect preventive maintenance models with two categories of failure modes. Naval Research Logistics, 2001, 48, 172-183.	1.4	110
47	Failure rate-based models for systems subject to random shocks. Communications in Statistics - Theory and Methods, 0, , 1-19.	0.6	1
48	Generalized exponentialâ€dispersion process model for degradation analysis under nonlinear condition. Quality and Reliability Engineering International, 0, , .	1.4	1
49	Reliability analysis for systems with interactive competing degradation processes and mixed shock effects. Stochastic Models, 0, , 1-27.	0.3	2
50	Optimal preventive maintenance policies for products with multiple failure modes after geometric warranty expiry. Communications in Statistics - Theory and Methods, 0, , 1-20.	0.6	0