

# Xiujie Zhao

## List of Publications by Year in descending order

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31  
papers

784  
citations

516215

16  
h-index

525886

27  
g-index

31  
all docs

31  
docs citations

31  
times ranked

557  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mixture of Variational Canonical Correlation Analysis for Nonlinear and Quality-Relevant Process Monitoring. IEEE Transactions on Industrial Electronics, 2018, 65, 6478-6486.	5.2	110
2	A finite-horizon condition-based maintenance policy for a two-unit system with dependent degradation processes. European Journal of Operational Research, 2021, 295, 705-717.	3.5	56
3	Reliability Modeling and Analysis of Load-Sharing Systems With Continuously Degrading Components. IEEE Transactions on Reliability, 2018, 67, 1096-1110.	3.5	51
4	Optimal inspection and replacement policy based on experimental degradation data with covariates. IIEE Transactions, 2019, 51, 322-336.	1.6	50
5	Heuristic hybrid game approach for fleet condition-based maintenance planning. Reliability Engineering and System Safety, 2017, 157, 166-176.	5.1	47
6	Design and pricing of extended warranty menus based on the multinomial logit choice model. European Journal of Operational Research, 2020, 287, 237-250.	3.5	45
7	Using accelerated life tests data to predict warranty cost under imperfect repair. Computers and Industrial Engineering, 2017, 107, 223-234.	3.4	42
8	Utilizing experimental degradation data for warranty cost optimization under imperfect repair. Reliability Engineering and System Safety, 2018, 177, 108-119.	5.1	37
9	Optimal condition-based maintenance policy with delay for systems subject to competing failures under continuous monitoring. Computers and Industrial Engineering, 2018, 124, 535-544.	3.4	36
10	Life cycle cost analysis considering multiple dependent degradation processes and environmental influence. Reliability Engineering and System Safety, 2020, 197, 106784.	5.1	36
11	Accelerated Degradation Tests Planning With Competing Failure Modes. IEEE Transactions on Reliability, 2018, 67, 142-155.	3.5	34
12	Development of RVM-Based Multiple-Output Soft Sensors With Serial and Parallel Stacking Strategies. IEEE Transactions on Control Systems Technology, 2019, 27, 2727-2734.	3.2	34
13	A performance-based warranty for products subject to competing hard and soft failures. International Journal of Production Economics, 2021, 233, 107974.	5.1	31
14	A complimentary extended warranty: Profit analysis and pricing strategy. International Journal of Production Economics, 2020, 229, 107860.	5.1	28
15	Optimal warranty policy design for deteriorating products with random failure threshold. Reliability Engineering and System Safety, 2022, 218, 108142.	5.1	25
16	Maintenance optimisation for systems with multi-dimensional degradation and imperfect inspections. International Journal of Production Research, 2021, 59, 7537-7559.	4.9	17
17	Accelerated degradation tests with inspection effects. European Journal of Operational Research, 2021, 292, 1099-1114.	3.5	17
18	Joint monitoring of post-sales online review processes based on a distribution-free EWMA scheme. Computers and Industrial Engineering, 2021, 158, 107372.	3.4	16

#	ARTICLE	IF	CITATIONS
19	Planning accelerated reliability tests for mission-oriented systems subject to degradation and shocks. IISE Transactions, 2020, 52, 91-103.	1.6	13
20	An adaptive two-stage Bayesian model averaging approach to planning and analyzing accelerated life tests under model uncertainty. Journal of Quality Technology, 2019, 51, 181-197.	1.8	9
21	Imperfect Inspection Policy for Systems with Multiple Correlated Degradation Processes. IFAC-PapersOnLine, 2016, 49, 1377-1382.	0.5	8
22	Parameter estimation for load-sharing system subject to Wiener degradation process using the expectation-maximization algorithm. Quality and Reliability Engineering International, 2019, 35, 1010-1024.	1.4	8
23	Bayesian planning of step-stress accelerated degradation tests under various optimality criteria. Applied Stochastic Models in Business and Industry, 2019, 35, 537-551.	0.9	8
24	Investigating the root causes of major failures of critical components – With a case study of asbestos cement pipes. Engineering Failure Analysis, 2018, 84, 121-130.	1.8	6
25	Maintenance Policies for Two-Unit Balanced Systems Subject to Degradation. IEEE Transactions on Reliability, 2022, 71, 1116-1126.	3.5	5
26	Performance-oriented risk evaluation and maintenance for multi-asset systems: A Bayesian perspective. IISE Transactions, 0, , 1-20.	1.6	4
27	A comprehensive toolbox for the gamma distribution: The gammadist package. Journal of Quality Technology, 2023, 55, 75-87.	1.8	3
28	A finite-time maintenance policy of deteriorating systems with multiple dependent performance characteristics. Journal of Management Science and Engineering, 2022, 7, 439-452.	1.9	3
29	A risk-aware maintenance model based on a constrained Markov decision process. IISE Transactions, 2022, 54, 1072-1083.	1.6	3
30	Reliability and performance modeling for mission-oriented k-out-of-n system under common cause failures. , 2016, , .		1
31	Reliability testing for product return prediction. European Journal of Operational Research, 2023, 304, 1349-1363.	3.5	1