

# Jian Shi

## List of Publications by Year in descending order

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30  
papers

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citations

1163117

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h-index

1058476

14  
g-index

30  
all docs

30  
docs citations

30  
times ranked

91  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling basketball games by inverse Gaussian processes. Communications in Statistics Part B: Simulation and Computation, 2022, 51, 6246-6256.	1.2	1
2	The scaling of charging rate and cycle number of commercial batteries. Acta Mechanica Sinica/Lixue Xuebao, 2022, 38, .	3.4	11
3	A discrete-time and finite-state Markov chain based in-play prediction model for NBA basketball matches. Communications in Statistics Part B: Simulation and Computation, 2021, 50, 3768-3776.	1.2	3
4	A distributed quantile estimation algorithm of heavy-tailed distribution with massive datasets. Mathematical Biosciences and Engineering, 2021, 18, 214-230.	1.9	0
5	Design Improvement for Complex Systems with Uncertainty. Mathematics, 2021, 9, 1173.	2.2	0
6	Swimming start model and determination of the optimal breakout position. Sports Biomechanics, 2021, , 1-21.	1.6	0
7	Modelling the scores and performance statistics of NBA basketball games. Communications in Statistics Part B: Simulation and Computation, 2020, 49, 2604-2616.	1.2	6
8	Learning to Rank Sports Teams on a Graph. Applied Sciences (Switzerland), 2020, 10, 5833.	2.5	6
9	A Globally Optimal Robust Design Method for Complex Systems. Complexity, 2020, 2020, 1-25.	1.6	1
10	A Bayesian In-Play Prediction Model for Association Football Outcomes. Applied Sciences (Switzerland), 2020, 10, 2904.	2.5	6
11	A New Reliable Operating Region Design Method. Mathematical Problems in Engineering, 2020, 2020, 1-12.	1.1	2
12	The heterogeneous effect of socioeconomic driving factors on PM2.5 in China's 30 province-level administrative regions: Evidence from Bayesian hierarchical spatial quantile regression. Environmental Pollution, 2020, 264, 114690.	7.5	19
13	Reliability technology using GO methodology: A review. Quality and Reliability Engineering International, 2019, 35, 2513-2539.	2.3	9
14	A System Information Decomposition Algorithm for Reliability Assessment of Units. , 2019, , .		0
15	A New Life Expectancy Assessment Method for Complex Systems With Multi-Characteristics: Case Study on Power-Shift Steering Transmission Control System. IEEE Access, 2019, 7, 17425-17438.	4.2	5
16	A Joint Model of Virtual and Actual Maintenance Time with Covariates. , 2019, , .		0
17	Accelerated Life Data Analysis for Control Rod Drive Mechanism Coil. , 2019, , .		2
18	A new reliability analysis method for repairable systems with closed-loop feedback links. Quality and Reliability Engineering International, 2018, 34, 298-332.	2.3	8

#	ARTICLE	IF	CITATIONS
19	A discrete-time and finite-state Markov Chain model for association football matches. Communications in Statistics Part B: Simulation and Computation, 2018, 47, 2476-2485.	1.2	3
20	Quantitative reliability analysis of repairable systems with closed-loop feedback based on GO methodology. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 1845-1858.	1.6	18
21	A new reliability analysis method for vehicle systems based on goal-oriented methodology. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2017, 231, 1066-1095.	1.9	19
22	A new reliability analysis method for repairable systems with multifunction modes based on goal-oriented methodology. Quality and Reliability Engineering International, 2017, 33, 2215-2237.	2.3	20
23	Reliability Optimization Allocation Method for Multifunction Systems With Multistate Units Based on Goal-Oriented Methodology. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2017, 3, .	1.1	6
24	Reliability Analysis of Repairable System With Multiple Fault Modes Based on Goal-Oriented Methodology. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2016, 2, .	1.1	14
25	Reliability Analysis Method on Repairable System with Standby Structure Based on Goal Oriented Methodology. Quality and Reliability Engineering International, 2016, 32, 2505-2517.	2.3	31
26	Reliability Analysis of Repairable System With Multiple-Input and Multi-Function Component Based on GO Methodology. , 2015, , .		16
27	Reliability analysis of hydraulic steering system with DICLFL considering shutdown correlation based on GO methodology. , 2015, , .		17
28	Reliability analysis of hydraulic transmission oil supply system considering maintenance correlation of parallel structure based on GO methodology. , 2014, , .		9
29	Empirical likelihood hypothesis test on mean with inequality constraints. Science China Mathematics, 2011, 54, 1847-1857.	1.7	6
30	A distributed multiple sample testing for massive data. Journal of Applied Statistics, 0, , 1-19.	1.3	1