# Jian Shi

## List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 30 papers | 239 citations | 1163117 8 h-index | 1058476 14 g-index |
| 30 all docs | 30 docs citations | 30 times ranked | 91 citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 1 | 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 |
| 2 | A new reliability analysis method for repairable systems with multifunction modes based on goalâ€oriented methodology. Quality and Reliability Engineering International, 2017, 33, 2215-2237. | 2.3 | 20 |
| 3 | 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 |
| 4 | The heterogeneous effect of socioeconomic driving factors on PM2.5 in Chinaâ€™s 30 province-level administrative regions: Evidence from Bayesian hierarchical spatial quantile regression. Environmental Pollution, 2020, 264, 114690. | 7.5 | 19 |
| 5 | 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 |
| 6 | Reliability analysis of hydraulic steering system with DICLFL considering shutdown correlation based on GO methodology. , 2015, , . | | 17 |
| 7 | Reliability Analysis of Repairable System With Multiple-Input and Multi-Function Component Based on GO Methodology. , 2015, , . | | 16 |
| 8 | 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 |
| 9 | The scaling of charging rate and cycle number of commercial batteries. Acta Mechanica Sinica/Lixue Xuebao, 2022, 38, . | 3.4 | 11 |
| 10 | Reliability analysis of hydraulic transmission oil supply system considering maintenance correlation of parallel structure based on GO methodology. , 2014, , . | | 9 |
| 11 | Reliability technology using GO methodology: A review. Quality and Reliability Engineering International, 2019, 35, 2513-2539. | 2.3 | 9 |
| 12 | A new reliability analysis method for repairable systems with closedâ€loop feedback links. Quality and Reliability Engineering International, 2018, 34, 298-332. | 2.3 | 8 |
| 13 | Empirical likelihood hypothesis test on mean with inequality constraints. Science China Mathematics, 2011, 54, 1847-1857. | 1.7 | 6 |
| 14 | 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 |
| 15 | 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 |
| 16 | Learning to Rank Sports Teams on a Graph. Applied Sciences (Switzerland), 2020, 10, 5833. | 2.5 | 6 |
| 17 | A Bayesian In-Play Prediction Model for Association Football Outcomes. Applied Sciences (Switzerland), 2020, 10, 2904. | 2.5 | 6 |
| 18 | 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 |

| # | 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 | 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 |
| 21 | Accelerated Life Data Analysis for Control Rod Drive Mechanism Coil. , 2019, , . | | 2 |
| 22 | A New Reliable Operating Region Design Method. Mathematical Problems in Engineering, 2020, 2020, 1-12. | 1.1 | 2 |
| 23 | Modeling basketball games by inverse Gaussian processes. Communications in Statistics Part B: Simulation and Computation, 2022, 51, 6246-6256. | 1.2 | 1 |
| 24 | A Globally Optimal Robust Design Method for Complex Systems. Complexity, 2020, 2020, 1-25. | 1.6 | 1 |
| 25 | A distributed multiple sample testing for massive data. Journal of Applied Statistics, 0, , 1-19. | 1.3 | 1 |
| 26 | A System Information Decomposition Algorithm for Reliability Assessment of Units. , 2019, , . | | 0 |
| 27 | A Joint Model of Virtual and Actual Maintenance Time with Covariates. , 2019, , . | | 0 |
| 28 | A distributed quantile estimation algorithm of heavy-tailed distribution with massive datasets. Mathematical Biosciences and Engineering, 2021, 18, 214-230. | 1.9 | 0 |
| 29 | Design Improvement for Complex Systems with Uncertainty. Mathematics, 2021, 9, 1173. | 2.2 | 0 |
| 30 | Swimming start model and determination of the optimal breakout position. Sports Biomechanics, 2021, , 1-21. | 1.6 | 0 |