# Zhili Sun

List of Publications by Year
in descending order

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| 30 | 604 | 1040056 9 | 580821 25 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 30 | 30 | 30 | 423 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Selective maintenance on a multiâ€state system considering maintenance task assignment and operating cost. Systems Engineering, 2022, 25, 157-172. | 2.7 | 3 |
| 2 | Vibration and Reliability Analysis of Non-Uniform Composite Beam under Random Load. Applied Sciences (Switzerland), 2022, 12, 2700. | 2.5 | 2 |
| 3 | Experimental research of wear-fatigue interaction of gears. Advances in Mechanical Engineering, 2022, 14, 168781322211049. | 1.6 | 2 |
| 4 | RCA-PCK: A new structural reliability analysis method based on PC-Kriging and radial centralized adaptive sampling strategy. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 3424-3438. | 2.1 | 5 |
| 5 | Selective Maintenance on a Multi-State Transportation System Considering Maintenance Sequence Arrangement. IEEE Access, 2021, 9, 70048-70060. | 4.2 | 9 |
| 6 | Importance Sampling for Time-Variant Reliability Analysis. IEEE Access, 2021, 9, 20933-20941. | 4.2 | 8 |
| 7 | A Multilevel Simulation Method for Time-Variant Reliability Analysis. Sustainability, 2021, 13, 3646. | 3.2 | 2 |
| 8 | An Importance Sampling Framework for Time-Variant Reliability Analysis Involving Stochastic Processes. Sustainability, 2021, 13, 7776. | 3.2 | 1 |
| 9 | Sensitivity Analysis of Reliability of Low-Mobility Parallel Mechanisms Based on a Response Surface Method. Applied Sciences (Switzerland), 2021, 11, 9002. | 2.5 | 2 |
| 10 | A Multilevel Monte Carlo Method for Performing Time-Variant Reliability Analysis. IEEE Access, 2021, 9, 31773-31781. | 4.2 | 9 |
| 11 | An efficient and robust adaptive Kriging for structural reliability analysis. Structural and Multidisciplinary Optimization, 2020, 62, 3189-3204. | 3.5 | 13 |
| 12 | Kriging Model for Time-Dependent Reliability: Accuracy Measure and Efficient Time-Dependent Reliability Analysis Method. IEEE Access, 2020, 8, 172362-172378. | 4.2 | 9 |
| 13 | An Efficient and Time-Saving Reliability Analysis Strategy for Complex Mechanical Structure. IEEE Access, 2020, 8, 171281-171291. | 4.2 | 1 |
| 14 | Investigation on the grinding properties of high thermal conductivity vitrified bond CBN grinding wheel for titanium alloy. International Journal of Advanced Manufacturing Technology, 2020, 107, 1539-1549. | 3.0 | 10 |
| 15 | An efficient method to predict the chatter stability of titanium alloy thin-walled workpieces during high-speed milling by considering varying dynamic parameters. International Journal of Advanced Manufacturing Technology, 2020, 106, 5407-5420. | 3.0 | 13 |
| 16 | An Efficient Adaptive Reliability Analysis Method Based on Kriging and Weighted Average Misclassification Rate Improvement. IEEE Access, 2019, 7, 94954-94965. | 4.2 | 7 |
| 17 | A New Kriging-Based Learning Function for Reliability Analysis and Its Application to Fatigue Crack Reliability. IEEE Access, 2019, 7, 122811-122819. | 4.2 | 17 |
| 18 | Research on Reliability Method of Complex Mechanical Structure Based on Active Learning. , 2019, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Study on the grindability of nano-vitrified bond CBN grinding wheel for nickel-based alloy. International Journal of Advanced Manufacturing Technology, 2019, 100, 1913-1921. | 3.0 | 10 |
| 20 | The stepwise accuracy-improvement strategy based on the Kriging model for structural reliability analysis. Structural and Multidisciplinary Optimization, 2018, 58, 595-612. | 3.5 | 21 |
| 21 | Optimization of the welding process parameters of Mgâ€“5Gdâ€“3Y magnesium alloy plates with a hybrid Kriging and particle swarm optimization algorithm. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 4038-4048. | 2.1 | 2 |
| 22 | Flow-induced vibration of curved pipe conveying fluid by a new transfer matrix method. Engineering Applications of Computational Fluid Mechanics, 2018, 12, 780-790. | 3.1 | 4 |
| 23 | A new Kriging-based DoE strategy and its application to structural reliability analysis. Advances in Mechanical Engineering, 2018, 10, 168781401876768. | 1.6 | 5 |
| 24 | In-plane forced vibration of curved pipe conveying fluid by Green function method. Applied Mathematics and Mechanics (English Edition), 2017, 38, 1397-1414. | 3.6 | 21 |
| 25 | LIF: A new Kriging based learning function and its application to structural reliability analysis. Reliability Engineering and System Safety, 2017, 157, 152-165. | 8.9 | 293 |
| 26 | Identification of chatter in milling of Ti-6Al-4V titanium alloy thin-walled workpieces based on cutting force signals and surface topography. International Journal of Advanced Manufacturing Technology, 2016, 82, 1909-1920. | 3.0 | 56 |
| 27 | A hybrid algorithm for reliability analysis combining Kriging and subset simulation importance sampling. Journal of Mechanical Science and Technology, 2015, 29, 3183-3193. | 1.5 | 76 |
| 28 | Study on the application of dimensionality reduction method on reliability and reliability sensitivity analysis of random vibration systems. Advances in Mechanical Engineering, 2015, 7, 168781401560856. | 1.6 | 2 |
| 29 | An efficient method for strain fatigue reliability analysis. , 2011, , . | | 0 |
| 30 | Study on dynamics responses and applications of non-uniform beam structure under crosswind. JVC/Journal of Vibration and Control, 0, , 107754632110183. | 2.6 | 1 |