# Weiwen Peng

List of Publications by Year
in descending order

| 67 | 2,815 | 279778 | 243610 |
|---|---|---|---|
| papers | citations | 23 | 44 |
| | | h-index | g-index |

| 67 | 67 | 67 | 1781 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Event-Triggered Model Predictive Control for the Inverter of a Grid-Connected Microgrid With a Battery-Supercapacitor HESS. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 5540-5552. | 5.4 | 1 |
| 2 | Reliability analysis of multi-state systems with common cause failures based on Bayesian network and fuzzy probability. Annals of Operations Research, 2022, 311, 195-209. | 4.1 | 97 |
| 3 | Decoupled Design of Fault-Tolerant Control for Dual-Three-Phase IPMSM With Improved Memory Efficiency and Reduced Current RMS. IEEE Transactions on Transportation Electrification, 2022, 8, 1144-1154. | 7.8 | 5 |
| 4 | Multi-Parameter Estimation of PMSM Using Differential Model With Core Loss Compensation. IEEE Transactions on Transportation Electrification, 2022, 8, 1105-1115. | 7.8 | 12 |
| 5 | A Novel Bayesian Deep Dual Network With Unsupervised Domain Adaptation for Transfer Fault Prognosis Across Different Machines. IEEE Sensors Journal, 2022, 22, 7855-7867. | 4.7 | 20 |
| 6 | Data†Driven†"Based Internal Temperature Estimation for Lithium†Ion Battery Under Variant State†of†Charge via Electrochemical Impedance Spectroscopy. Energy Technology, 2022, 10, . | 3.8 | 8 |
| 7 | Bayesian information fusion method for reliability analysis with failure†time data and degradation data. Quality and Reliability Engineering International, 2022, 38, 1944-1956. | 2.3 | 9 |
| 8 | Electrochemical Impedance Spectroscopy Based State-of-Health Estimation for Lithium-Ion Battery Considering Temperature and State-of-Charge Effect. IEEE Transactions on Transportation Electrification, 2022, 8, 4633-4645. | 7.8 | 46 |
| 9 | State of health estimation for fast-charging lithium-ion battery based on incremental capacity analysis. Journal of Energy Storage, 2022, 51, 104560. | 8.1 | 30 |
| 10 | Intelligent Health Monitoring of Machine Tools Using a Bayesian Multibranch Neural Network. IEEE Sensors Journal, 2022, 22, 12183-12196. | 4.7 | 3 |
| 11 | A novel deep convolutional neural network-bootstrap integrated method for RUL prediction of rolling bearing. Journal of Manufacturing Systems, 2021, 61, 757-772. | 13.9 | 95 |
| 12 | Event-Triggered Deadbeat Control for HESS with Bidirectional Multiport Tri-Level Converter. , 2021, , . |  | 0 |
| 13 | Cost Function Decoupling of FS-MPC for Power Converter using Event-Triggered Mechanism. , 2021, , . |  | 1 |
| 14 | Event Triggered-MPC for Energy Management of Battery-Supercapacitor-PV Hybrid Power Source. , 2021, , . |  | 1 |
| 15 | Bayesian Deep-Learning-Based Health Prognostics Toward Prognostics Uncertainty. IEEE Transactions on Industrial Electronics, 2020, 67, 2283-2293. | 7.9 | 144 |
| 16 | A Particle-Filter-Based Online Method for Degradation Analysis with Exponential-Dispersion Process. , 2020, , . |  | 3 |
| 17 | A Review of State-of-health Estimation of Lithiumion Batteries: Experiments and Data. , 2020, , . |  | 2 |
| 18 | Fault prognosis using deep convolutional neural network and bootstrap-based method. , 2020, , . |  | 1 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Estimation of Bearing Remaining Useful Life Based on Multiscale Convolutional Neural Network. IEEE Transactions on Industrial Electronics, 2019, 66, 3208-3216. | 7.9 | 441 |
| 20 | The transformed inverse Gaussian process as an age- and state-dependent degradation model. Applied Mathematical Modelling, 2019, 75, 837-852. | 4.2 | 27 |
| 21 | Improved trajectory similarity-based approach for turbofan engine prognostics. Journal of Mechanical Science and Technology, 2019, 33, 4877-4890. | 1.5 | 27 |
| 22 | Joint Online RUL Prediction for Multivariate Deteriorating Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 2870-2878. | 11.3 | 61 |
| 23 | Bayesian information fusion for degradation analysis of deteriorating products with individual heterogeneity. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2019, 233, 615-622. | 0.7 | 9 |
| 24 | Scheduling Preventive Maintenance Considering the Saturation Effect. IEEE Transactions on Reliability, 2019, 68, 741-752. | 4.6 | 27 |
| 25 | Reliability analysis of complex multi-state system with common cause failure based on evidential networks. Reliability Engineering and System Safety, 2018, 174, 71-81. | 8.9 | 214 |
| 26 | Reliability modelling and assessment of a heterogeneously repaired system with partially relevant recurrence data. Applied Mathematical Modelling, 2018, 59, 696-712. | 4.2 | 17 |
| 27 | Reliability analysis of repairable systems with recurrent misuse-induced failures and normal-operation failures. Reliability Engineering and System Safety, 2018, 171, 87-98. | 8.9 | 39 |
| 28 | Computational-experimental approaches for fatigue reliability assessment of turbine bladed disks. International Journal of Mechanical Sciences, 2018, 142-143, 502-517. | 6.7 | 222 |
| 29 | Mean stress effect correction in strain energy-based fatigue life prediction of metals. International Journal of Damage Mechanics, 2017, 26, 1219-1241. | 4.2 | 104 |
| 30 | Bayesian Degradation Analysis With Inverse Gaussian Process Models Under Time-Varying Degradation Rates. IEEE Transactions on Reliability, 2017, 66, 84-96. | 4.6 | 146 |
| 31 | Investigation of Bayesian network for reliability analysis and fault diagnosis of complex systems with real case applications. Advances in Mechanical Engineering, 2017, 9, 168781401772885. | 1.6 | 18 |
| 32 | Degradation-Based Reliability Modeling of Complex Systems in Dynamic Environments. ICSA Book Series in Statistics, 2017, , 81-103. | 0.2 | 4 |
| 33 | Fault tree analysis of feeding control system for computer numerical control heavy-duty horizontal lathes with multiple common cause failure groups. Journal of Shanghai Jiaotong University (Science), 2016, 21, 504-508. | 0.9 | 5 |
| 34 | Reliability assessment of complex electromechanical systems under epistemic uncertainty. Reliability Engineering and System Safety, 2016, 152, 1-15. | 8.9 | 118 |
| 35 | Reliability of complex systems under dynamic conditions: A Bayesian multivariate degradation perspective. Reliability Engineering and System Safety, 2016, 153, 75-87. | 8.9 | 66 |
| 36 | Probabilistic PoF based Framework for Fatigue Life Prediction of Aircraft Gas Turbine Discs. , 2016, , . | | 0 |

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|---|---------|-----|-----------|
| 37 | Bivariate Analysis of Incomplete Degradation Observations Based on Inverse Gaussian Processes and Copulas. IEEE Transactions on Reliability, 2016, 65, 624-639. | 4.6 | 127 |
| 38 | Probabilistic Physics of Failure-based framework for fatigue life prediction of aircraft gas turbine discs under uncertainty. Reliability Engineering and System Safety, 2016, 146, 1-12. | 8.9 | 232 |
| 39 | A Bayesian approach for sealing failure analysis considering the non-competing relationship of multiple degradation processes. Eksploatacja I Niezawodnosc, 2016, 18, 10-15. | 2.0 | 12 |
| 40 | An E-Bayesian method for reliability analysis of exponentially distributed products with zero-failure data. Eksploatacja I Niezawodnosc, 2016, 18, 445-449. | 2.0 | 9 |
| 41 | Service-Life Assessment of Complex Dynamic Systems Under Interval Uncertainty Based on Bayesian Networks. , 2015, , . | | 0 |
| 42 | A Bayesian Bivariate Degradation Analysis Method for Reliability Analysis of Heavy Duty Machine Tools. , 2015, , . | | 2 |
| 43 | Leveraging Degradation Testing and Condition Monitoring for Field Reliability Analysis With Time-Varying Operating Missions. IEEE Transactions on Reliability, 2015, 64, 1367-1382. | 4.6 | 30 |
| 44 | Uncertainty Analysis in Fatigue Life Prediction of Gas Turbine Blades Using Bayesian Inference. International Journal of Turbo and Jet Engines, 2015, 32, . | 0.7 | 5 |
| 45 | Thermal Cycling Life Prediction of Sn-3.0Ag-0.5Cu Solder Joint Using Type-I Censored Data. Scientific World Journal, The, 2014, 2014, 1-11. | 2.1 | 21 |
| 46 | Fatigue Lifetime Assessment of Aircraft Engine Disc via Multi-source Information Fusion. International Journal of Turbo and Jet Engines, 2014, 31, . | 0.7 | 8 |
| 47 | Reliability analysis of direct drive electrohydraulic servo valves based on a wear degradation process and individual differences. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2014, 228, 621-630. | 0.7 | 19 |
| 48 | A Bayesian optimal design for degradation tests based on the inverse Gaussian process. Journal of Mechanical Science and Technology, 2014, 28, 3937-3946. | 1.5 | 22 |
| 49 | Inverse Gaussian process models for degradation analysis: A Bayesian perspective. Reliability Engineering and System Safety, 2014, 130, 175-189. | 8.9 | 178 |
| 50 | Bayesian Information Fusion Method for Reliability Assessment of Milling Head. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2014, 50, 185. | 0.5 | 6 |
| 51 | Notice of Retraction A study on Bayesian design of degradation tests with the inverse Gaussian processes. , 2013, , . | | 0 |
| 52 | Notice of Retraction Application of beta factor method for reliability evaluation of EHSV. , 2013, , . | | 1 |
| 53 | Life cycle reliability assessment of new productsâ€"A Bayesian model updating approach. Reliability Engineering and System Safety, 2013, 112, 109-119. | 8.9 | 37 |
| 54 | The life prediction of lead-free solder joint with type-I interval censored data. , 2013, , . | | 0 |

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|---|---------|----|-----------|
| 55 | Degradation Analysis Using Inverse Gaussian Process Model With Random Effects: A Bayesian Perspective. , 2013, , . | | 1 |
| 56 | Bayesian Reliability Estimation for Deteriorating Systems with Limited Samples Using the Maximum Entropy Approach. Entropy, 2013, 15, 5492-5509. | 2.2 | 10 |
| 57 | A Bayesian Approach for System Reliability Analysis With Multilevel Pass-Fail, Lifetime and Degradation Data Sets. IEEE Transactions on Reliability, 2013, 62, 689-699. | 4.6 | 60 |
| 58 | Weibull distribution research based on Fourier series. , 2013, , . | | 0 |
| 59 | Satellite reliability modeling with modified Weibull extension distribution. , 2012, , . | | 3 |
| 60 | Reliability analysis of a satellite system considering common cause failures. , 2012, , . | | 0 |
| 61 | Reliability estimation of milling head based on accelerated Bayesian degradation test. , 2011, , . | | 0 |
| 62 | An estimation method of system performance degradation state based on fault tree method. , 2011, , . | | 0 |
| 63 | Reliability analysis of CNC hydraulic system based on fuzzy fault tree. , 2011, , . | | 2 |
| 64 | Bayesian inference of Weibull distribution based on probability encoding method. , 2011, , . | | 1 |
| 65 | A combined Bayesian framework for satellite reliability estimation. , 2011, , . | | 2 |
| 66 | Reliability-based design of a spindle based on random and interval variables. , 2011, , . | | 1 |
| 67 | Transfer fault prognostic for rolling bearings across different working conditions: a domain adversarial perspective. International Journal of Advanced Manufacturing Technology, 0, , . | 3.0 | 3 |