

Jianguo Wu

List of Publications by Year in descending order

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19
papers

326
citations

1039880

9
h-index

839398

18
g-index

19
all docs

19
docs citations

19
times ranked

258
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation modeling and RUL prediction using Wiener process subject to multiple change points and unit heterogeneity. Reliability Engineering and System Safety, 2018, 176, 113-124.	5.1	85
2	Multiple-Phase Modeling of Degradation Signal for Condition Monitoring and Remaining Useful Life Prediction. IEEE Transactions on Reliability, 2017, 66, 924-938.	3.5	39
3	A Neural Network-Based Joint Prognostic Model for Data Fusion and Remaining Useful Life Prediction. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 117-127.	7.2	34
4	Online Steady-State Detection for Process Control Using Multiple Change-Point Models and Particle Filters. IEEE Transactions on Automation Science and Engineering, 2016, 13, 688-700.	3.4	25
5	A Shape-Constrained Neural Data Fusion Network for Health Index Construction and Residual Life Prediction. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5022-5033.	7.2	23
6	Multiple-Change-Point Modeling and Exact Bayesian Inference of Degradation Signal for Prognostic Improvement. IEEE Transactions on Automation Science and Engineering, 2019, 16, 613-628.	3.4	20
7	Acoustic Emission Monitoring for Ultrasonic Cavitation Based Dispersion Process. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2013, 135, .	1.3	19
8	Ultrasonic Attenuation Based Inspection Method for Scale-up Production of A206“Al2O3 Metal Matrix Nanocomposites. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2015, 137, .	1.3	16
9	Online detection of steady-state operation using a multiple-change-point model and exact Bayesian inference. IIE Transactions, 2016, 48, 599-613.	2.1	16
10	Inferring 3D ellipsoids based on cross-sectional images with applications to porosity control of additive manufacturing. IIE Transactions, 2018, 50, 570-583.	1.6	9
11	Microstructure Modeling and Ultrasonic Wave Propagation Simulation of A206“Al2O3 Metal Matrix Nanocomposites for Quality Inspection. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2016, 138, .	1.3	8
12	Size Distribution Estimation of Three-Dimensional Particle Clusters in Metal-Matrix Nanocomposites Considering Sampling Bias. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	1.3	8
13	Online Steady State Detection Based on Rao“Blackwellized Sequential Monte Carlo. Quality and Reliability Engineering International, 2016, 32, 2667-2683.	1.4	7
14	Automatic morphological extraction of fibers from SEM images for quality control of short fiber-reinforced composites manufacturing. CIRP Journal of Manufacturing Science and Technology, 2021, 33, 176-187.	2.3	6
15	A Sequential Bayesian Partitioning Approach for Online Steady-State Detection of Multivariate Systems. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1882-1895.	3.4	4
16	Online Structural Change-Point Detection of High-dimensional Streaming Data via Dynamic Sparse Subspace Learning. Technometrics, 2023, 65, 19-32.	1.3	4
17	Adaptive Minimum Confidence Region Rule for Multivariate Initialization Bias Truncation in Discrete-Event Simulations. Technometrics, 2020, 62, 499-512.	1.3	1
18	A deep learning-based approach to extraction of filler morphology in SEM images with the application of automated quality inspection. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2022, 36, .	0.7	1

#	ARTICLE	IF	CITATIONS
19	A neural-network-based proportional hazard model for IoT signal fusion and failure prediction. ISE Transactions, 2023, 55, 377-391.	1.6	1