

Xi Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

546
citations

1039880

9
h-index

642610

23
g-index

38
all docs

38
docs citations

38
times ranked

567
citing authors

#	ARTICLE	IF	CITATIONS
1	A Generic Indirect Deep Learning Approach for Multisensor Degradation Modeling. IEEE Transactions on Automation Science and Engineering, 2022, 19, 1924-1940.	3.4	8
2	A One-Step Physiological Status Assessment Method Fusing Subject-Variant Information. IEEE Transactions on Automation Science and Engineering, 2022, , 1-12.	3.4	0
3	Spatiotemporal Thermal Field Modeling Using Partial Differential Equations With Time-Varying Parameters. IEEE Transactions on Automation Science and Engineering, 2020, 17, 646-657.	3.4	5
4	Spatiotemporal Multitask Learning for 3-D Dynamic Field Modeling. IEEE Transactions on Automation Science and Engineering, 2020, 17, 708-721.	3.4	3
5	A novel local temperature change detection approach in a 3D thermal field. Quality Technology and Quantitative Management, 2020, 17, 723-737.	1.1	0
6	Modeling of a three-dimensional dynamic thermal field under grid-based sensor networks in grain storage. IIEE Transactions, 2019, 51, 531-546.	1.6	8
7	A generic framework for multisensor degradation modeling based on supervised classification and failure surface. IIEE Transactions, 2019, 51, 1288-1302.	1.6	18
8	Modeling of a 3D Temperature Field by Integrating a Physics-Specific Model and Spatiotemporal Stochastic Processes. Applied Sciences (Switzerland), 2019, 9, 2108.	1.3	3
9	Automatic Diagnosis of Epileptic Seizure in Electroencephalography Signals Using Nonlinear Dynamics Features. IEEE Access, 2019, 7, 61046-61056.	2.6	48
10	Predicting temporal propagation of seasonal influenza using improved gaussian process model. Journal of Biomedical Informatics, 2019, 93, 103144.	2.5	7
11	Dynamic Field Monitoring Based on Multitask Learning in Sensor Networks. Sensors, 2019, 19, 1533.	2.1	1
12	A Condition Change Detection Method for Solar Conversion Efficiency in Solar Cell Manufacturing Processes. IEEE Transactions on Semiconductor Manufacturing, 2019, 32, 82-92.	1.4	5
13	A Physics-Specific Change Point Detection Method Using Torque Signals in Pipe Tightening Processes. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1289-1300.	3.4	1
14	A Regularization-Based eXtreme Gradient Boosting Approach in Foodborne Disease Trend Forecasting. Studies in Health Technology and Informatics, 2019, 264, 930-934.	0.2	6
15	A data-level fusion approach for degradation modeling and prognostic analysis under multiple failure modes. Journal of Quality Technology, 2018, 50, 150-165.	1.8	56
16	Iterative multi-task learning for time-series modeling of solar panel PV outputs. Applied Energy, 2018, 212, 654-662.	5.1	60
17	Integration of Data-Level Fusion Model and Kernel Methods for Degradation Modeling and Prognostic Analysis. IEEE Transactions on Reliability, 2018, 67, 640-650.	3.5	65
18	A novel two-stage optimization approach to machining process selection using error equivalence method. Journal of Manufacturing Systems, 2018, 49, 36-45.	7.6	2

#	ARTICLE	IF	CITATIONS
19	State-Based General Gamma CUSUM for Modeling Heart Rate Variability Using Electrocardiography Signals. IEEE Transactions on Automation Science and Engineering, 2017, 14, 1160-1171.	3.4	3
20	Pairwise Critical Point Detection Using Torque Signals in Threaded Pipe Connection Processes. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	1.3	3
21	Simulation Optimization for MRO Systems Operations. Asia-Pacific Journal of Operational Research, 2017, 34, 1750003.	0.9	5
22	An Automatic Condition Detection Approach for Quality Assurance in Solar Cell Manufacturing Processes. IEEE Robotics and Automation Letters, 2017, 2, 1825-1831.	3.3	3
23	Grain Price Forecasting Using a Hybrid Stochastic Method. Asia-Pacific Journal of Operational Research, 2017, 34, 1750020.	0.9	2
24	<sc>E</sc>pileptic seizure detection by combining robustâ€principal component analysis and least squareâ€support vector machine. International Journal of Imaging Systems and Technology, 2017, 27, 368-375.	2.7	7
25	An automatic seizure detection method using multi-channel EEG signals. , 2017, , .		0
26	Modeling grain quality characteristics via dynamic models using sensing data. , 2017, , .		0
27	A Critical Change Point Detection Method in Threaded Steel Pipe Connection Processes Using Two Stage Sequential Piecewise Linear Approach. , 2016, , .		3
28	Multiple Sensor Data Fusion for Degradation Modeling and Prognostics Under Multiple Operational Conditions. IEEE Transactions on Reliability, 2016, 65, 1416-1426.	3.5	69
29	An Automatic Process Monitoring Method Using Recurrence Plot in Progressive Stamping Processes. IEEE Transactions on Automation Science and Engineering, 2016, 13, 1102-1111.	3.4	19
30	An Automatic Screening Approach for Obstructive Sleep Apnea Diagnosis Based on Single-Lead Electrocardiogram. IEEE Transactions on Automation Science and Engineering, 2015, 12, 106-115.	3.4	116
31	A prediction method for interior temperature of grain storage via dynamics models: A simulation study. , 2015, , .		5
32	A severity measurement system for obstructive sleep apnea discrimination using a single ECG signal. , 2013, , .		1
33	Evaluation of improvement probability for IMRT plans. , 2013, , .		0
34	Nonlinear Dynamics Modeling of Correlated Functional Process Variables for Condition Monitoring in Chemicalâ€Mechanical Planarization. IEEE Transactions on Semiconductor Manufacturing, 2009, 22, 188-195.	1.4	11
35	Statistical Modeling of Electrocardiography Signal for Subject Monitoring and Diagnosis. , 0, , 95-126.		0
36	A spatiotemporal prediction approach for a 3D thermal field from sensor networks. Journal of Quality Technology, 0, , 1-41.	1.8	3

#	ARTICLE	IF	CITATIONS
37	Knowledge-infused process monitoring for quality improvement in solar cell manufacturing processes. <i>Journal of Quality Technology</i> , 0, , 1-12.	1.8	0
38	Ranking Features to Promote Diversity: An Approach Based on Sparse Distance Correlation. <i>Technometrics</i> , 0, , 1-12.	1.3	0