

# Ying Zheng

## List of Publications by Year in descending order

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41  
papers

789  
citations

566801

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h-index

500791

28  
g-index

41  
all docs

41  
docs citations

41  
times ranked

527  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Takagi-sugeno fuzzy-model-based fault detection for networked control systems with Markov delays. IEEE Transactions on Systems, Man, and Cybernetics, 2006, 36, 924-929.                                     | 5.5 | 195       |
| 2  | Remaining useful life prediction of lithium-ion battery with optimal input sequence selection and error compensation. Neurocomputing, 2020, 414, 245-254.  | 3.5 | 76        |
| 3  | Degradation assessment of bearings with trend-reconstruct-based features selection and gated recurrent unit network. Measurement: Journal of the International Measurement Confederation, 2020, 165, 108064. | 2.5 | 64        |
| 4  | Normalized Relative RBC-Based Minimum Risk Bayesian Decision Approach for Fault Diagnosis of Industrial Process. IEEE Transactions on Industrial Electronics, 2016, 63, 7723-7732.                           | 5.2 | 50        |
| 5  | A Data-Driven Soft Sensor Based on Multilayer Perceptron Neural Network With a Double LASSO Approach. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3972-3979.                             | 2.4 | 40        |
| 6  | Remaining useful life prediction of lithium battery based on capacity regeneration point detection. Energy, 2021, 234, 121233.   | 4.5 | 40        |
| 7  | Torus-Event-Based Fault Diagnosis for Stochastic Multirate Time-Varying Systems With Constrained Fault. IEEE Transactions on Cybernetics, 2020, 50, 2803-2813.   | 6.2 | 31        |
| 8  | Bearing Remaining Useful Life Prediction Based on Regression Shapaleet and Graph Neural Network. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.                                       | 2.4 | 31        |
| 9  | An Optimized Feedforward Decoupling PD Register Control Method of Roll-to-Roll Web Printing Systems. IEEE Transactions on Automation Science and Engineering, 2016, 13, 274-283.                             | 3.4 | 29        |
| 10 | Ranking 3D feature correspondences via consistency voting. Pattern Recognition Letters, 2019, 117, 1-8.  | 2.6 | 25        |
| 11 | Model-based feedforward register control of roll-to-roll web printing systems. Control Engineering Practice, 2016, 51, 58-68.  | 3.2 | 24        |
| 12 | Multivariate/minor fault diagnosis with severity level based on Bayesian decision theory and multidimensional RBC. Journal of Process Control, 2021, 101, 68-77.   | 1.7 | 19        |
| 13 | Trajectory-based operation monitoring of transition procedure in multimode process. Journal of Process Control, 2020, 96, 67-81.   | 1.7 | 18        |
| 14 | Modeling and Register Control of the Speed-Up Phase in Roll-to-Roll Printing Systems. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1438-1449.  | 3.4 | 17        |
| 15 | Density peaks clustering-based steady/transition mode identification and monitoring of multimode processes. Canadian Journal of Chemical Engineering, 2020, 98, 2137-2149.                                   | 0.9 | 17        |
| 16 | Parallel projection to latent structures for quality-relevant process monitoring. Journal of the Taiwan Institute of Chemical Engineers, 2017, 80, 76-84.  | 2.7 | 14        |
| 17 | Time-Weighted Kernel-Sparse-Representation-Based Real-Time Nonlinear Multimode Process Monitoring. IEEE Transactions on Industrial Informatics, 2022, 18, 2411-2421.   | 7.2 | 14        |
| 18 | A time series model coefficients monitoring approach for controlled processes. Chemical Engineering Research and Design, 2015, 100, 228-236.   | 2.7 | 12        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Multi-objective monitoring of closed-loop controlled systems using adaptive LASSO. Journal of the Taiwan Institute of Chemical Engineers, 2015, 56, 84-95.                                     | 2.7 | 10        |
| 20 | ARMAX model based run-to-run fault diagnosis approach for batch manufacturing process with metrology delay. International Journal of Production Research, 2014, 52, 2915-2930.                 | 4.9 | 8         |
| 21 | PLS-based Similarity Analysis for Mode Identification in Multimode Manufacturing Processes. IFAC-PapersOnLine, 2015, 48, 777-782.  | 0.5 | 8         |
| 22 | Fully Decoupled Control of the Machine Directional Register in Roll-to-Roll Printing System. IEEE Transactions on Industrial Electronics, 2021, 68, 10007-10018.                               | 5.2 | 8         |
| 23 | Between-class difference analysis based multidimensional RBC for multivariate fault isolation of industrial processes. Journal of the Taiwan Institute of Chemical Engineers, 2020, 115, 1-12. | 2.7 | 6         |
| 24 | A Direct-Decoupling Closed-Loop Control Method for Roll-to-Roll Web Printing Systems. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1367-1379.                            | 3.4 | 6         |
| 25 | Adaptive Nonconvex Nonsmooth Regularization for Image Restoration Based on Spatial Information. Circuits, Systems, and Signal Processing, 2014, 33, 2549-2564.                                 | 1.2 | 5         |
| 26 | Stationary Mapping Based Generalized Monitoring Scheme for Industrial Processes With Mixed Operational Stages. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.           | 2.4 | 5         |
| 27 | SPA-Based Modified Local Reachability Density Ratio wSVDD for Nonlinear Multimode Process Monitoring. Complexity, 2021, 2021, 1-15.  | 0.9 | 4         |
| 28 | Comparing Three Different Decoupling Control Approaches for Roll-to-Roll Printing Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2022, 144, .         | 0.9 | 3         |
| 29 | Model based PD control during the speed-up phase in roll-to-roll web register systems. , 2014, , .   |     | 2         |
| 30 | Health stages division and remaining useful life prediction of rolling element bearings based on hidden semi-Markov model. , 2021, , .   |     | 2         |
| 31 | Bearings Remaining Useful Life Prediction with Combinatorial Feature Extraction Method and Gated Recurrent Unit Network. , 2020, , .   |     | 2         |
| 32 | A Text Categorization Method Using Graph Convolutional Network based on Sparse Representation. , 2019, , .   |     | 1         |
| 33 | Improved Fault Detection Using Kantorovich Distance and Neighborhood Preserving Embedding method. , 2021, , .  |     | 1         |
| 34 | Multidimensional Reconstruction-Based Contribution for Multiple Faults Isolation with k-Nearest Neighbor Strategy. , 2021, , .   |     | 1         |
| 35 | Long-term RUL Prediction of Bearings with Signal Amplitude Regulation and Accumulative Feature. , 2020, , .  |     | 1         |
| 36 | Quality-based Process Monitoring with Parallel Regularized Canonical Correlation Analysis. , 2018, , .   |     | 0         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Adaptive output feedback control with linear observer for second-order nonlinear uncertain multi-agent systems. , 2019, , .    |     | 0         |
| 38 | A Visualized Quality Grading Method for Multi-index Products. , 2021, , .  |     | 0         |
| 39 | Parity space-based model mismatch detection for linear discrete time-invariant systems with unknown disturbances. , 2020, , .  |     | 0         |
| 40 | Multi-attention Parallel CNN-GRU Fault Diagnosis Method For Rolling Bearing. , 2021, , .                                       |     | 0         |
| 41 | Consensus of Second-Order Heterogeneous Hybrid Multiagent Systems via Event-Triggered Protocols. Complexity, 2022, 2022, 1-16. | 0.9 | 0         |