

# Jun Shang

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21  
papers

222  
citations

8  
h-index

14  
g-index

23  
ext. papers

314  
ext. citations

5.2  
avg. IF

4  
L-index

#	Paper	IF	Citations
21	Recursive transformed component statistical analysis for incipient fault detection. <i>Automatica</i> , <b>2017</b> , 80, 313-327	5.7	83
20	Recursive Dynamic Transformed Component Statistical Analysis for Fault Detection in Dynamic Processes. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 578-588	8.9	22
19	Dominant trend based logistic regression for fault diagnosis in nonstationary processes. <i>Control Engineering Practice</i> , <b>2017</b> , 66, 156-168	3.9	22
18	Incipient sensor fault diagnosis in multimode processes using conditionally independent Bayesian learning based recursive transformed component statistical analysis. <i>Journal of Process Control</i> , <b>2019</b> , 77, 7-19	3.9	19
17	FBM-Based Remaining Useful Life Prediction for Degradation Processes With Long-Range Dependence and Multiple Modes. <i>IEEE Transactions on Reliability</i> , <b>2019</b> , 68, 1021-1033	4.6	16
16	Early Classification of Alarm Floods via Exponentially Attenuated Component Analysis. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 8702-8712	8.9	9
15	Optimal Linear Encryption Against Stealthy Attacks on Remote State Estimation. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 3592-3607	5.9	9
14	Optimal DoS Attack Against LQR Control Channels. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 1348-1352	3.5	8
13	Conditional random field for monitoring multimode processes with stochastic perturbations. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 8229-8251	4	7
12	Principal Component Analysis-Based Ensemble Detector for Incipient Faults in Dynamic Processes. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 5391-5401	11.9	5
11	Stochastic process-based degradation modeling and RUL prediction: from Brownian motion to fractional Brownian motion. <i>Science China Information Sciences</i> , <b>2021</b> , 64, 1	3.4	4
10	Increment-based recursive transformed component statistical analysis for monitoring blast furnace iron-making processes: An index-switching scheme. <i>Control Engineering Practice</i> , <b>2018</b> , 77, 190-200	3.9	4
9	Worst-Case Stealthy Innovation-based Linear Attacks on Remote State Estimation Under Kullback-Leibler Divergence. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	3
8	. <i>IEEE Transactions on Control of Network Systems</i> , <b>2021</b> , 8, 500-512	4	2
7	Early classification of industrial alarm floods based on semi-supervised learning. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	2
6	Nonstationary Process Monitoring for Blast Furnaces Based on Consistent Trend Feature Analysis. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 1-11	4.8	2
5	Recursive Spectral Meta-Learner for Online Combining Different Fault Classifiers. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 586-593	5.9	2

4	Single-dimensional encryption against innovation-based stealthy attacks on remote state estimation. <i>Automatica</i> , <b>2021</b> , 136, 110015	5-7	1
3	Worst-Case Stealthy Attacks on Stochastic Event-based State Estimation. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5-9	1
2	Finite-Horizon Strictly Stealthy Deterministic Attacks on Cyber-Physical Systems <b>2022</b> , 6, 1640-1645		
1	Asymmetric Vulnerability of Measurement and Control Channels in Closed-Loop Systems. <i>IEEE Transactions on Control of Network Systems</i> , <b>2022</b> , 1-1	4	