Jun Shang

List of Publications by Year in Descending Order

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	Finite-Horizon Strictly Stealthy Deterministic Attacks on Cyber-Physical Systems **2022**, 6, 1640-1645		
20	Asymmetric Vulnerability of Measurement and Control Channels in Closed-Loop Systems. *IEEE Transactions on Control of Network Systems*, **2022**, 1-1	4	
19	Single-dimensional encryption against innovation-based stealthy attacks on remote state estimation. *Automatica*, **2021**, 136, 110015	5.7	1
18	Worst-Case Stealthy Innovation-based Linear Attacks on Remote State Estimation Under Kullback--Leibler Divergence. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	3
17	Stochastic process-based degradation modeling and RUL prediction: from Brownian motion to fractional Brownian motion. *Science China Information Sciences*, **2021**, 64, 1	3.4	4
16	Principal Component Analysis-Based Ensemble Detector for Incipient Faults in Dynamic Processes. *IEEE Transactions on Industrial Informatics*, **2021**, 17, 5391-5401	11.9	5
15	. *IEEE Transactions on Control of Network Systems*, **2021**, 8, 500-512	4	2
14	Optimal DoS Attack Against LQR Control Channels. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 68, 1348-1352	3.5	8
13	Optimal Linear Encryption Against Stealthy Attacks on Remote State Estimation. *IEEE Transactions on Automatic Control*, **2021**, 66, 3592-3607	5.9	9
12	Worst-Case Stealthy Attacks on Stochastic Event-based State Estimation. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	1
11	Early classification of industrial alarm floods based on semi-supervised learning. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	2
10	Nonstationary Process Monitoring for Blast Furnaces Based on Consistent Trend Feature Analysis. *IEEE Transactions on Control Systems Technology*, **2021**, 1-11	4.8	2
9	Conditional random field for monitoring multimode processes with stochastic perturbations. *Journal of the Franklin Institute*, **2020**, 357, 8229-8251	4	7
8	Early Classification of Alarm Floods via Exponentially Attenuated Component Analysis. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 8702-8712	8.9	9
7	Incipient sensor fault diagnosis in multimode processes using conditionally independent Bayesian learning based recursive transformed component statistical analysis. *Journal of Process Control*, **2019**, 77, 7-19	3.9	19
6	FBM-Based Remaining Useful Life Prediction for Degradation Processes With Long-Range Dependence and Multiple Modes. *IEEE Transactions on Reliability*, **2019**, 68, 1021-1033	4.6	16
5	Recursive Dynamic Transformed Component Statistical Analysis for Fault Detection in Dynamic Processes. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 578-588	8.9	22

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4	Recursive Spectral Meta-Learner for Online Combining Different Fault Classifiers. *IEEE Transactions on Automatic Control*, **2018**, 63, 586-593	5.9	2
3	Increment-based recursive transformed component statistical analysis for monitoring blast furnace iron-making processes: An index-switching scheme. *Control Engineering Practice*, **2018**, 77, 190-200	3.9	4
2	Recursive transformed component statistical analysis for incipient fault detection. *Automatica*, **2017**, 80, 313-327	5.7	83
1	Dominant trend based logistic regression for fault diagnosis in nonstationary processes. *Control Engineering Practice*, **2017**, 66, 156-168	3.9	22