Xianchao Xiu

List of Publications by Year
in descending order

19 papers	129 citations	1478505 6 h-index	1281871 11 g-index
19 all docs	19 docs citations	19 times ranked	70 citing authors

#	Article	IF	Citations
1	Toward Efficient Process Monitoring Using Spatiotemporal PCA. IEEE Transactions on Circuits and Systems II: Express Briefs, 2023, 70, 551-555.	3.0	2
2	A Sparsity-Aware Fault Diagnosis Framework Focusing on Accurate Isolation. IEEE Transactions on Industrial Informatics, 2023, 19, 1356-1365.	11.3	3
3	A Data-Driven Modeling Method for Stochastic Nonlinear Degradation Process With Application to RUL Estimation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3847-3858.	9.3	10
4	An Efficient Newton-Based Method for Sparse Generalized Canonical Correlation Analysis. IEEE Signal Processing Letters, 2022, 29, 125-129.	3.6	2
5	Deep Canonical Correlation Analysis Using Sparsity-Constrained Optimization for Nonlinear Process Monitoring. IEEE Transactions on Industrial Informatics, 2022, 18, 6690-6699.	11.3	9
6	Efficient and Robust Process Monitoring Using Structured Low-Rank Representation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3530-3534.	3.0	0
7	Fusion-UDCGAN: Multifocus Image Fusion via a U-Type Densely Connected Generation Adversarial Network. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	4.7	5
8	Data-Driven Process Monitoring Using Structured Joint Sparse Canonical Correlation Analysis. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 361-365.	3.0	29
9	A Remaining Useful Life Prediction Method in the Early Stage of Stochastic Degradation Process. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2027-2031.	3.0	10
10	Fault Detection Using Structured Joint Sparse Nonnegative Matrix Factorization. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	13
11	A novel scheme for multivariate statistical fault detection with application to the Tennessee Eastman process. Mathematical Foundations of Computing, 2021, 4, 167.	1.1	1
12	Manifold constrained joint sparse learning via non-convex regularization. Neurocomputing, 2021, 458, 112-126.	5.9	3
13	Fault Detection Based on Canonical Correlation Analysis with Rank Constrained Optimization. , 2021, , .		0
14	A Data Driven RUL Prediction and Predictive Maintenance for Stochastic Degrading Systems. , 2021, , .		0
15	Battery State of Charge Estimation Using Long Short-Term Memory Network and Extended Kalman Filter. , 2020, , .		1
16	Laplacian regularized robust principal component analysis for process monitoring. Journal of Process Control, 2020, 92, 212-219.	3.3	28
17	Manifold Constrained Low-Rank and Joint Sparse Learning for Dynamic Cardiac MRI. IEEE Access, 2020, 8, 142622-142631.	4.2	3
18	ManiDec: Manifold Constrained Low-Rank and Sparse Decomposition. IEEE Access, 2019, 7, 112939-112952.	4.2	5

#	Article	IF	Citations
19	Face recognition based on manifold constrained joint sparse sensing with K-SVD. Multimedia Tools and Applications, 2018, 77, 28863-28883.	3.9	5