

# Shuai Tan

## List of Publications by Year in descending order

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38  
papers

563  
citations

759233

12  
h-index

642732

23  
g-index

38  
all docs

38  
docs citations

38  
times ranked

437  
citing authors

#	ARTICLE	IF	CITATIONS
1	A flow-guided self-calibration Siamese network for visual tracking. <i>Visual Computer</i> , 2023, 39, 625-637.	3.5	2
2	Hierarchical Latent Variable Extraction and Multisegment Probability Density Analysis Method for Incipient Fault Detection. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 2244-2254.	11.3	10
3	Convolutional Neural Network Based Feature Learning for Large-Scale Quality-Related Process Monitoring. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 4555-4565.	11.3	14
4	Multi-Module Decision Fusion in Operational Status Monitoring. <i>IEEE Transactions on Control Systems Technology</i> , 2022, 30, 2420-2432.	5.2	4
5	Weighted Conditional Discriminant Analysis for Unseen Operating Modes Fault Diagnosis in Chemical Processes. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-14.	4.7	2
6	Multiblock Adaptive Convolution Kernel Neural Network for Fault Diagnosis in a Large-Scale Industrial Process. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 4879-4895.	3.7	5
7	Rolling Bearing Incipient Fault Detection via Optimized VMD Using Mode Mutual Information. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 1305-1315.	2.7	7
8	Self-attention-based Multi-block regression fusion Neural Network for quality-related process monitoring. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 133, 104140.	5.3	6
9	Consistency Regularization Auto-Encoder Network for Semi-Supervised Process Fault Diagnosis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-15.	4.7	15
10	A supervised multisegment probability density analysis method for incipient fault detection of quality indicator. <i>Journal of Process Control</i> , 2022, 116, 53-63.	3.3	4
11	Highly Toughened Sustainable Green Polyglycolic Acid/Polycaprolactone Blends with Balanced Strength: Morphology Evolution, Interfacial Compatibilization, and Mechanism. <i>ACS Applied Polymer Materials</i> , 2022, 4, 5772-5780.	4.4	20
12	Multisubspace Orthogonal Canonical Correlation Analysis for Quality-Related Plant-Wide Process Monitoring. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 6368-6378.	11.3	41
13	A Supervised Adaptive Resampling Monitoring Method for Quality Indicator in Time-Varying Process. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-10.	4.7	9
14	Nonlinear process monitoring based on load weighted denoising autoencoder. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 171, 108782.	5.0	10
15	Adaptive Manifold Discriminative Distribution Alignment for Fault Diagnosis of Chemical Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 9860-9870.	3.7	4
16	Serial correlatedâ€“uncorrelated concurrent space method for process monitoring. <i>Journal of Process Control</i> , 2021, 105, 292-301.	3.3	4
17	A status-relevant blocks fusion approach for operational status monitoring. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 106, 104455.	8.1	7
18	Improved Ensemble Feature Selection Based on DT for KPI Prediction. <i>IEEE Access</i> , 2021, 9, 136861-136871.	4.2	1

#	ARTICLE	IF	CITATIONS
19	A Novel Dynamic Weight Principal Component Analysis Method and Hierarchical Monitoring Strategy for Process Fault Detection and Diagnosis. IEEE Transactions on Industrial Electronics, 2020, 67, 7994-8004.	7.9	69
20	Tensor sequence component analysis for fault detection in dynamic process. Canadian Journal of Chemical Engineering, 2020, 98, 225-236.	1.7	4
21	Deep neural network based recursive feature learning for nonlinear dynamic process monitoring. Canadian Journal of Chemical Engineering, 2020, 98, 919-933.	1.7	27
22	Multisubspace Elastic Network for Multimode Quality-Related Process Monitoring. IEEE Transactions on Industrial Informatics, 2020, 16, 5874-5883.	11.3	33
23	Fault detection and diagnosis via standardized k nearest neighbor for multimode process. Journal of the Taiwan Institute of Chemical Engineers, 2020, 106, 1-8.	5.3	46
24	Information concentrated variational auto-encoder for quality-related nonlinear process monitoring. Journal of Process Control, 2020, 94, 12-25.	3.3	37
25	Quality monitoring method based on enhanced canonical component analysis. ISA Transactions, 2020, 105, 221-229.	5.7	2
26	Quality Weakly Related Fault Detection Based on Weighted Dual-Step Feature Extraction. IEEE Access, 2019, 7, 7860-7871.	4.2	4
27	Distributed process monitoring framework based on decomposed modified partial least squares. Canadian Journal of Chemical Engineering, 2019, 97, 3087-3100.	1.7	6
28	Large-Scale Supervised Process Monitoring Based on Distributed Modified Principal Component Regression. Industrial & Engineering Chemistry Research, 2019, 58, 18223-18240.	3.7	12
29	Process Monitoring via Key Principal Components and Local Information Based Weights. IEEE Access, 2019, 7, 15357-15366.	4.2	9
30	Distributed Supervised Fault Detection and Diagnosis for a Non-Gaussian Process. Industrial & Engineering Chemistry Research, 2019, 58, 6592-6603.	3.7	10
31	Improved Parallax Image Stitching Algorithm Based on Feature Block. Symmetry, 2019, 11, 348.	2.2	11
32	Rolling Bearing Initial Fault Detection Using Long Short-Term Memory Recurrent Network. IEEE Access, 2019, 7, 171559-171569.	4.2	53
33	Operating performance assessment and non-optimal cause identification for chemical process. Canadian Journal of Chemical Engineering, 2019, 97, 1475-1487.	1.7	5
34	A hybrid specific index-related process monitoring strategy based on a novel two-step information extraction method. Journal of Central South University, 2018, 25, 2896-2909.	3.0	2
35	Specific index-related process monitoring using a two-step information extraction method. , 2018, , .		0
36	Performance monitoring method based on balanced partial least square and Statistics Pattern Analysis. ISA Transactions, 2018, 81, 121-131.	5.7	22

#	ARTICLE	IF	CITATIONS
37	Modeling and simulation of iron ore pellet drying and induration process with accurate bed void fraction calculation. <i>Drying Technology</i> , 2016, 34, 651-664.	3.1	9
38	Novel Monitoring Strategy Combining the Advantages of the Multiple Modeling Strategy and Gaussian Mixture Model for Multimode Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 11866-11880.	3.7	37