Yuan Yao

List of Publications by Year
in descending order

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165 papers	4,598 citations	126708 33 h-index	118652 62 g-index
168 all docs	168 docs citations	168 times ranked	3100 citing authors

#	Article	IF	Citations
1	A theoretically correct mixing rule for cubic equations of state. AICHE Journal, 1992, 38, 671-680.	1.8	947
2	A survey on multistage/multiphase statistical modeling methods for batch processes. Annual Reviews in Control, 2009, 33, 172-183.	4.4	209
3	Ensemble deep kernel learning with application to quality prediction in industrial polymerization processes. Chemometrics and Intelligent Laboratory Systems, 2018, 174, 15-21.	1.8	163
4	Phase equilibria of water and ionic liquids [emim][PF6] and [bmim][PF6]. Fluid Phase Equilibria, 2002, 194-197, 1089-1095.	1.4	153
5	Effect of Water on Solubility of Carbon Dioxide in (Aminomethanamide +) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (2-Hy Engineering Data, 2009, 54, 1951-1955.	1.0	130
6	Domain adaptation transfer learning soft sensor for product quality prediction. Chemometrics and Intelligent Laboratory Systems, 2019, 192, 103813.	1.8	96
7	Predictive control of quality in batch polymerization using hybrid ANN models. AICHE Journal, 1996, 42, 455-465.	1.8	90
8	Two-dimensional dynamic PCA for batch process monitoring. AICHE Journal, 2005, 51, 3300-3304.	1.8	89
9	Statistical analysis and online monitoring for multimode processes with between-mode transitions. Chemical Engineering Science, 2010, 65, 5961-5975.	1.9	87
10	Phase and transition based batch process modeling and online monitoring. Journal of Process Control, 2009, 19, 816-826.	1.7	85
11	Carbon dioxide capture and regeneration with amine/alcohol/water blends. International Journal of Greenhouse Gas Control, 2014, 26, 69-75.	2.3	77
12	Sparse Principal Component Thermography for Subsurface Defect Detection in Composite Products. IEEE Transactions on Industrial Informatics, 2018, 14, 5594-5600.	7.2	77
13	Variable selection method for fault isolation using least absolute shrinkage and selection operator (LASSO). Chemometrics and Intelligent Laboratory Systems, 2015, 146, 136-146.	1.8	63
14	Development of Adversarial Transfer Learning Soft Sensor for Multigrade Processes. Industrial & Engineering Chemistry Research, 2020, 59, 16330-16345.	1.8	60
15	Improved non-destructive testing of carbon fiber reinforced polymer (CFRP) composites using pulsed thermograph. Polymer Testing, 2015, 46, 26-32.	2.3	53
16	Statistical analysis and online monitoring for handling multiphase batch processes with varying durations. Journal of Process Control, 2011, 21, 817-829.	1.7	51
17	Utilizing transition information in online quality prediction of multiphase batch processes. Journal of Process Control, 2012, 22, 599-611.	1.7	50
18	Defect detection in CFRP structures using pulsed thermographic data enhanced by penalized least squares methods. Composites Part B: Engineering, 2015, 79, 351-358.	5.9	50

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19	Diffusion coefficients and conductivities of alkylimidazolium tetrafluoroborates and hexafluorophosphates. Fluid Phase Equilibria, 2007, 252, 74-78.	1.4	48
20	Systematic Procedure for Granger-Causality-Based Root Cause Diagnosis of Chemical Process Faults. Industrial & Engineering Chemistry Research, 2018, 57, 9500-9512.	1.8	48
21	Multilinear model decomposition of MIMO nonlinear systems and its implication for multilinear model-based control. Journal of Process Control, 2013, 23, 271-281.	1.7	45
22	Product and process development using artificial neural-network model and information analysis. AICHE Journal, 1998, 44, 876-887.	1.8	43
23	Multivariate statistical monitoring of two-dimensional dynamic batch processes utilizing non-Gaussian information. Journal of Process Control, 2010, 20, 1188-1197.	1.7	43
24	Spatial-Neighborhood Manifold Learning for Nondestructive Testing of Defects in Polymer Composites. IEEE Transactions on Industrial Informatics, 2020, 16, 4639-4649.	7.2	43
25	Multivariate fault isolation via variable selection in discriminant analysis. Journal of Process Control, 2015, 35, 30-40.	1.7	42
26	Independent component thermography for non-destructive testing of defects in polymer composites. Measurement Science and Technology, 2019, 30, 044006.	1.4	41
27	Active thermography testing and data analysis for the state of conservation of panel paintings. International Journal of Thermal Sciences, 2018, 126, 143-151.	2.6	39
28	Generative Principal Component Thermography for Enhanced Defect Detection and Analysis. IEEE Transactions on Instrumentation and Measurement, 2020, , 1-1.	2.4	39
29	Bayesian filtering of the smearing effect: Fault isolation in chemical process monitoring. Journal of Process Control, 2014, 24, 1-21.	1.7	38
30	Simplified Granger causality map for data-driven root cause diagnosis of process disturbances. Journal of Process Control, 2020, 95, 45-54.	1.7	38
31	Subspace identification for two-dimensional dynamic batch process statistical monitoring. Chemical Engineering Science, 2008, 63, 3411-3418.	1.9	37
32	Batch Process Monitoring in Score Space of Two-Dimensional Dynamic Principal Component Analysis (PCA). Industrial & Engineering Chemistry Research, 2007, 46, 8033-8043.	1.8	35
33	The multi-dimensional ensemble empirical mode decomposition (MEEMD). Journal of Thermal Analysis and Calorimetry, 2017, 128, 1841-1858.	2.0	35
34	Nonlinear process monitoring and fault isolation using extended maximum variance unfolding. Journal of Process Control, 2014, 24, 880-891.	1.7	34
35	Model Migration for Development of a New Process Model. Industrial & Engineering Chemistry Research, 2009, 48, 9603-9610.	1.8	32
36	Deep Autoencoder Thermography for Defect Detection of Carbon Fiber Composites. IEEE Transactions on Industrial Informatics, 2023, 19, 6429-6438.	7.2	31

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37	Online estimation and monitoring of local permeability in resin transfer molding. Polymer Composites, 2016, 37, 1249-1258.	2.3	30
38	Stable principal component pursuit-based thermographic data analysis for defect detection in polymer composites. Journal of Process Control, 2017, 49, 36-44.	1.7	30
39	Two-time dimensional dynamic matrix control for batch processes with convergence analysis against the 2D interval uncertainty. Journal of Process Control, 2012, 22, 899-914.	1.7	29
40	Robust Multivariate Statistical Process Monitoring via Stable Principal Component Pursuit. Industrial & Engineering Chemistry Research, 2016, 55, 4011-4021.	1.8	27
41	Non-destructive testing of CFRP using pulsed thermography and multi-dimensional ensemble empirical mode decomposition. Journal of the Taiwan Institute of Chemical Engineers, 2016, 61, 54-63.	2.7	27
42	Meta-modelling in chemical process system engineering. Journal of the Taiwan Institute of Chemical Engineers, 2017, 73, 135-145.	2.7	27
43	Reconstruction-Based Multivariate Process Fault Isolation Using Bayesian Lasso. Industrial & Engineering Chemistry Research, 2018, 57, 9779-9787.	1.8	26
44	Non-destructive defect evaluation of polymer composites via thermographic data analysis: A manifold learning method. Infrared Physics and Technology, 2019, 97, 300-308.	1.3	26
45	Automatic classification of single-molecule charge transport data with an unsupervised machine-learning algorithm. Physical Chemistry Chemical Physics, 2020, 22, 1674-1681.	1.3	26
46	Dynamic Transcript Profiling of Candida albicans Infection in Zebrafish: A Pathogen-Host Interaction Study. PLoS ONE, 2013, 8, e72483.	1.1	25
47	Semi-supervised mixture discriminant monitoring for chemical batch processes. Chemometrics and Intelligent Laboratory Systems, 2014, 134, 10-22.	1.8	25
48	Multivariate fault isolation of batch processes via variable selection in partial least squares discriminant analysis. ISA Transactions, 2017, 70, 389-399.	3.1	25
49	Comparison of rotating packed bed and packed bed absorber in pilot plant and model simulation for CO 2 capture. Journal of the Taiwan Institute of Chemical Engineers, 2017, 73, 20-26.	2.7	25
50	Monitoring big process data of industrial plants with multiple operating modes based on Hadoop. Journal of the Taiwan Institute of Chemical Engineers, 2018, 91, 10-21.	2.7	25
51	Variable selection by double competitive adaptive reweighted sampling for calibration transfer of near infrared spectra. Chemometrics and Intelligent Laboratory Systems, 2019, 191, 109-117.	1.8	25
52	Stacked autoencoder for operation prediction of coke dry quenching process. Control Engineering Practice, 2019, 88, 110-118.	3.2	25
53	Multiview Learning for Subsurface Defect Detection in Composite Products: A Challenge on Thermographic Data Analysis. IEEE Transactions on Industrial Informatics, 2020, 16, 5996-6003.	7.2	25
54	Multiway elastic net (MEN) for final product quality prediction and quality-related analysis of batch processes. Chemometrics and Intelligent Laboratory Systems, 2013, 125, 153-165.	1.8	24

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55	Online Monitoring of Multivariate Processes Using Higher-Order Cumulants Analysis. Industrial & Engineering Chemistry Research, 2014, 53, 4328-4338.	1.8	24
56	Fault detection and classification for a twoâ€stage batch process. Journal of Chemometrics, 2008, 22, 385-398.	0.7	23
57	Multivariate statistical monitoring of multiphase two-dimensional dynamic batch processes. Journal of Process Control, 2009, 19, 1716-1724.	1.7	22
58	Thermographic clustering analysis for defect detection in CFRP structures. Polymer Testing, 2016, 49, 73-81.	2.3	22
59	Combined experimental and computational approach for defect detection in precious walls built in indoor environments. International Journal of Thermal Sciences, 2018, 129, 29-46.	2.6	21
60	Physically Consistent Soft-Sensor Development Using Sequence-to-Sequence Neural Networks. IEEE Transactions on Industrial Informatics, 2020, 16, 2829-2838.	7.2	21
61	Factor analysis thermography for defect detection of panel paintings. Quantitative InfraRed Thermography Journal, 2023, 20, 25-37.	2.1	21
62	Simplification and Intensification of a C5 Separation Process. Industrial & Engineering Chemistry Research, 2015, 54, 9798-9804.	1.8	20
63	Bayesian improved model migration methodology for fast process modeling by incorporating prior information. Chemical Engineering Science, 2015, 134, 23-35.	1.9	20
64	Automatic defect detection based on segmentation of pulsed thermographic images. Chemometrics and Intelligent Laboratory Systems, 2017, 162, 35-43.	1.8	19
65	Transfer learning for batch process optimal control using LV-PTM and adaptive control strategy. Journal of Process Control, 2019, 81, 197-208.	1.7	19
66	A thermographic data augmentation and signal separation method for defect detection. Measurement Science and Technology, 2021, 32, 045401.	1.4	19
67	Actively Exploring Informative Data for Smart Modeling of Industrial Multiphase Flow Processes. IEEE Transactions on Industrial Informatics, 2021, 17, 8357-8366.	7.2	19
68	Batch-to-Batch Steady State Identification Based on Variable Correlation and Mahalanobis Distance. Industrial & Engineering Chemistry Research, 2009, 48, 11060-11070.	1.8	18
69	Model-Assisted Control of Flow Front in Resin Transfer Molding Based on Real-Time Estimation of Permeability/Porosity Ratio. Polymers, 2016, 8, 337.	2.0	18
70	Kriging metaâ€model assisted calibration of computational fluid dynamics models. AICHE Journal, 2016, 62, 4308-4320.	1.8	18
71	Enhanced Defect Detection in Carbon Fiber Reinforced Polymer Composites via Generative Kernel Principal Component Thermography. Polymers, 2021, 13, 825.	2.0	18
72	Phase Analysis and Identification Method for Multiphase Batch Processes with Partitioning Multi-way Principal Component Analysis (MPCA) Model. Chinese Journal of Chemical Engineering, 2012, 20, 1121-1127.	1.7	17

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73	Multiphase two-dimensional time-slice dynamic system for batch process monitoring. Journal of Process Control, 2020, 85, 184-198.	1.7	17
74	Thermographic Data Analysis for Defect Detection by Imposing Spatial Connectivity and Sparsity Constraints in Principal Component Thermography. IEEE Transactions on Industrial Informatics, 2021, 17, 3901-3909.	7.2	17
75	Mixture Discriminant Monitoring: A Hybrid Method for Statistical Process Monitoring and Fault Diagnosis/Isolation. Industrial & Engineering Chemistry Research, 2013, 52, 10720-10731.	1.8	16
76	Multivariate Control Performance Assessment and Control System Monitoring via Hypothesis Test on Output Covariance Matrices. Industrial & Engineering Chemistry Research, 2015, 54, 5261-5272.	1.8	16
77	Mixed-effects Gaussian process modeling approach with application in injection molding processes. Journal of Process Control, 2018, 62, 37-43.	1.7	16
78	Homotopy continuation method for calculating critical loci of binary mixtures. Chemical Engineering Science, 1999, 54, 3873-3883.	1.9	15
79	Multivariate statistical monitoring of multiphase batch processes with betweenâ€phase transitions and uneven operation durations. Canadian Journal of Chemical Engineering, 2012, 90, 1383-1392.	0.9	15
80	Root Cause Diagnosis of Process Faults Using Conditional Granger Causality Analysis and Maximum Spanning Tree. IFAC-PapersOnLine, 2018, 51, 381-386.	0.5	14
81	Adsorption and Diffusion of Benzene in Activated Carbon at High Pressures. Industrial & Engineering Chemistry Research, 1997, 36, 5501-5506.	1.8	13
82	Two-Dimensional Dynamic Principal Component Analysis with Autodetermined Support Region. Industrial & Engineering Chemistry Research, 2009, 48, 837-843.	1.8	13
83	An edge-based optimization method for shape recognition using atomic potential function. Engineering Applications of Artificial Intelligence, 2014, 35, 14-25.	4.3	13
84	Feature-selective clustering for ultrasonic-based automatic defect detection in FRP structures. Chemometrics and Intelligent Laboratory Systems, 2016, 157, 35-42.	1.8	13
85	Tensor-based ultrasonic data analysis for defect detection in fiber reinforced polymer (FRP) composites. Chemometrics and Intelligent Laboratory Systems, 2017, 163, 24-30.	1.8	13
86	Online Flooding Supervision in Packed Towers: An Integrated Dataâ€Driven Statistical Monitoring Method. Chemical Engineering and Technology, 2018, 41, 436-446.	0.9	13
87	Phase-based Statistical Modeling, Online Monitoring and Quality Prediction for Batch Processes. Zidonghua Xuebao/Acta Automatica Sinica, 2010, 36, 366-374.	0.3	13
88	Statistical Monitoring and Fault Diagnosis of Batch Processes Using Two-Dimensional Dynamic Information. Industrial & Engineering Chemistry Research, 2010, 49, 9961-9969.	1.8	12
89	Evaporation-Assisted Formation of Three-Dimensional Photonic Crystals. Journal of the American Ceramic Society, 2005, 88, 974-976.	1.9	11
90	Iterative improvement of parameter estimation for model migration by means of sequential experiments. Computers and Chemical Engineering, 2015, 73, 128-140.	2.0	11

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91	Process Fault Diagnosis Based on Bayesian Inference. Computer Aided Chemical Engineering, 2013, , 751-756.	0.3	10
92	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
93	Cost-Effective Process Modeling and Optimization Methodology Assisted by Robust Migration Techniques. Industrial & Engineering Chemistry Research, 2015, 54, 5736-5748.	1.8	10
94	A mothed of improving identification accuracy via deep learning algorithm under condition of deficient labeled data. , 2017, , .		10
95	Soft-sensing method for optimizing combustion efficiency of reheating furnaces. Journal of the Taiwan Institute of Chemical Engineers, 2017, 73, 112-122.	2.7	10
96	Transfer learning for efficient meta-modeling of process simulations. Chemical Engineering Research and Design, 2018, 138, 546-553.	2.7	10
97	Soft sensor development for improving economic efficiency of the coke dry quenching process. Journal of Process Control, 2019, 77, 20-28.	1.7	10
98	Size Effects on Silica Polymorphism. Journal of the American Ceramic Society, 2002, 85, 2590-2592.	1.9	9
99	Solution of trim-loss problem by an integrated simulated annealing and ordinal optimization approach. Journal of Intelligent Manufacturing, 2004, 15, 701-709.	4.4	9
100	Regularizationâ€based statistical batch process modeling for final product quality prediction. AICHE Journal, 2014, 60, 2815-2827.	1.8	9
101	Multivariate statistical process monitoring of batchâ€toâ€batch startups. AICHE Journal, 2015, 61, 3719-3727.	1.8	9
102	Statistical process fault isolation using robust nonnegative garrote. Journal of the Taiwan Institute of Chemical Engineers, 2020, 107, 24-34.	2.7	9
103	Optimal multiloop feedback design using simulated annealing and neural network. AICHE Journal, 1995, 41, 430-434.	1.8	8
104	Flooding Prognosis in Packed Columns by Assessing the Degree of Steadiness (DOS) of Process Variable Trajectory. Industrial & Engineering Chemistry Research, 2016, 55, 10744-10750.	1.8	8
105	Transfer of Qualitative and Quantitative Knowledge for Similar Batch Process Monitoring. IEEE Access, 2018, 6, 73856-73870.	2.6	8
106	Neural Network Correlations of Detonation Properties of High Energy Explosives. Propellants, Explosives, Pyrotechnics, 1998, 23, 296-300.	1.0	7
107	Autonomous dynamic line-scan continuous-wave terahertz non-destructive inspection system combined with unsupervised exposure fusion. NDT and E International, 2022, 132, 102705.	1.7	7
108	Optimal design using neural network and information analysis in plasma etching. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1999, 17, 145.	1.6	6

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109	Optimal Design of Filament Winding Using Neural Network Experimental Design Scheme. Journal of Composite Materials, 1999, 33, 2281-2300.	1.2	6
110	Metaâ€Modelâ€Based Calibration and Sensitivity Studies of Computational Fluid Dynamics Simulation of Jet Pumps. Chemical Engineering and Technology, 2017, 40, 1674-1684.	0.9	6
111	A control chart-based symbolic conditional transfer entropy method for root cause analysis of process disturbances. Computers and Chemical Engineering, 2022, 164, 107902.	2.0	6
112	On the performance of internal feedback artificial bee colony algorithm (IF-ABC) for protein secondary structure prediction. , 2013, , .		5
113	Automatic steady state identification for batch processes by nonparametric signal decomposition and statistical hypothesis test. Chemometrics and Intelligent Laboratory Systems, 2014, 138, 84-96.	1.8	5
114	Estimation of local permeability/porosity ratio in resin transfer molding. Journal of the Taiwan Institute of Chemical Engineers, 2018, 91, 32-37.	2.7	5
115	Edge-Group Sparse Principal Component Thermography for Defect Detection in an Ancient Marquetry Sample. Proceedings (mdpi), 2019, 27, 34.	0.2	5
116	A Personalized Feature Extraction and Classification Method for Motor Imagery Recognition. Mobile Networks and Applications, 2021, 26, 1359-1371.	2.2	5
117	Exploratory factor analysis for defect identification with active thermography. Measurement Science and Technology, 2021, 32, 114010.	1.4	5
118	TriMap thermography with convolutional autoencoder for enhanced defect detection of polymer composites. Journal of Applied Physics, 2022, 131, .	1.1	5
119	A robust calibration modeling strategy for analysis of interferenceâ€subject spectral data. AICHE Journal, 2010, 56, 196-206.	1.8	4
120	Controlling the product selectivity in the conversion of methanol to the feedstock for phenol production. RSC Advances, 2019, 9, 23864-23875.	1.7	4
121	Dynamic Profile Monitoring for Flooding Prognosis in Packed Columns. Chemical Engineering and Technology, 2019, 42, 1232-1239.	0.9	4
122	Prediction and Uncertainty Propagation for Completion Time of Batch Processes Based on Data-Driven Modeling. Industrial & Engineering Chemistry Research, 2020, 59, 14374-14384.	1.8	4
123	TWO-DIMENSIONAL DYNAMIC PCA WITH AUTO-SELECTED SUPPORT REGION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 69-74.	0.4	3
124	A LASSO-based batch process modeling and end-product quality prediction method. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 6704-6709.	0.4	3
125	Flow pattern control in resin transfer molding using a model predictive control strategy. Polymer Engineering and Science, 2018, 58, 1659-1665.	1.5	3
126	Block-Based Finite Element Modeling, Simulation, and Optimization of the Warpage of Embedded Trace Substrate. , 2018, , .		3

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127	Automatic three-dimensional reconstruction of subsurface defects by segmenting ultrasonic point cloud. Journal of the Taiwan Institute of Chemical Engineers, 2021, 120, 24-32.	2.7	3
128	Sparse Structural Principal Component Thermography for Defect Signal Enhancement in Subsurface Defects Detection of Composite Materials. Journal of Nondestructive Evaluation, 2022, 41, 1.	1.1	3
129	Nonlinear process monitoring by integrating manifold learning with Gaussian process. Computer Aided Chemical Engineering, 2013, , 1009-1014.	0.3	2
130	Orthogonal Locality Preserving Projections Thermography for Subsurface Defect Detection. , 2019, , .		2
131	The effects of model misspecification on shelf-life prediction of nano-sols under pH acceleration. Quality Technology and Quantitative Management, 2020, 17, 383-398.	1.1	2
132	Digital Twin Model Development for Chemical Plants Using Multiple Time-Steps Prediction Data-Driven Model and Rolling Training. Computer Aided Chemical Engineering, 2021, , 567-572.	0.3	2
133	Multiscale Analysis of Solar Loading Thermographic Signals for Wall Structure Inspection. Sensors, 2021, 21, 2806.	2.1	2
134	Enhanced Soft Sensor with Qualified Augmented Data Using Centroid Measurement Criterion. , 2021, , .		2
135	Process modeling by integrating quantitative and qualitative information using a deep embedding network and its application to an extrusion process. Journal of Process Control, 2022, 115, 48-57.	1.7	2
136	Sensor Fusion for Simultaneous Estimation of In-Plane Permeability and Porosity of Fiber Reinforcement in Resin Transfer Molding. Polymers, 2022, 14, 2652.	2.0	2
137	Boosting Weighted Partial Least Squares for Batch Process Quality Prediction. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 262-267.	0.4	1
138	Core network identification using parametric sensitivity and multi-way principal component analysis in NFkB signaling network. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 724-733.	2.7	1
139	Batch-to-batch Steady State Identification via Online Ensemble Empirical Mode Decomposition and Statistical Test. Computer Aided Chemical Engineering, 2014, , 787-792.	0.3	1
140	Monitoring of within batch and batch-to-batch dynamics using adaptive LASSO. International Journal of System Control and Information Processing, 2015, 1, 353.	0.0	1
141	Using polynomials to correct non-uniform backgrounds in thermal images caused by uneven heating. , 2015, , .		1
142	Robust Process monitoring via Stable Principal Component Pursuit. IFAC-PapersOnLine, 2015, 48, 617-622.	0.5	1
143	Intensification of C5 separation process by heat integration and thermal coupling. Computer Aided Chemical Engineering, 2015, 37, 1217-1222.	0.3	1
144	Online flooding prognosis in packed columns by monitoring parameter change in EGARCH model. , 2017, , .		1

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145	Simultaneous identification of parameter and time-delay based on subspace method and cross-correlation function. , 2017, , .		1
146	Sparse Principal Component Thermography for Structural Health Monitoring of Composite Structures. IFAC-PapersOnLine, 2018, 51, 855-860.	0.5	1
147	Defining the Thermal Features of Sub-Surface Reinforcing Fibres in Non-Polluting Thermoâ€“Acoustic Insulating Panels: A Numericalâ€“Thermographicâ€“Segmentation Approach. Infrastructures, 2021, 6, 131.	1.4	1
148	Information Directed Sampling for Combinatorial Material Synthesis and Library Design. Journal of Chemical Engineering of Japan, 2003, 36, 1034-1044.	0.3	1
149	A Physics-Informed Neural Network Method for Defect Identification in Polymer Composites Based on Pulsed Thermography. Engineering Proceedings, 2021, 8, .	0.4	1
150	Batch Process Monitoring and Fault Diagnosis Based on Multi-Time-Scale Dynamic PCA Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 940-945.	0.4	0
151	A feature-selective clustering method for automatic ultrasonic defect detection in CFRP structures. , 2016, , .		0
152	Tensor-based ultrasonic signal processing for defect detection in fiber reinforced polymer (FRP) structures. , 2017, , .		0
153	Non-destructive testing of CFRP using pulsed thermographic data enhanced by wavelet transform-based image denoising. , 2017, , .		0
154	A soft sensing method for operation optimization of coke dry quenching process. , 2017, , .		0
155	A nonnegative garrote-based method for multivariate fault isolation. , 2017, , .		0
156	A deep learning-based operation optimization strategy for BFG/coal co-firing boiler. , 2017, , .		0
157	Fault Detection, Isolation, and Prognosis for Complex System. Journal of Control Science and Engineering, 2018, 2018, 1-2.	0.8	0
158	Generative manifold learning thermography for non-destructive evaluation of defects in composite materials. , 2021, , .		0
159	Batch process analysis and monitoring based on an automatic phase identification method utilizing process dynamic information. Computer Aided Chemical Engineering, 2012, 31, 1286-1290.	0.3	0
160	Multivariate fault isolation using lasso-based penalized discriminant analysis. Computer Aided Chemical Engineering, 2015, , 1541-1546.	0.3	0
161	Robust Fault Isolation using Stable Principal Component Pursuit. Computer Aided Chemical Engineering, 2016, 38, 769-774.	0.3	0
162	Multivariate Fault Isolation in Presence of Outliers Based on Robust Nonnegative Garrote. Communications in Computer and Information Science, 2017, , 373-382.	0.4	0

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163	Generative Independent Component Thermography for Improved Defect Detection of Carbon Fiber Composites. , 2020, , .		0
164	Deep Autoencoder for Non-destructive Testing of Defects in Polymer Composites. , 2021, , .		0
165	Manifold learning and segmentation for ultrasonic inspection of defects in polymer composites. Journal of Applied Physics, 2022, 132, 024901.	1.1	0