

# Chunhua Yang

## List of Publications by Year in descending order

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333  
papers

9,110  
citations

38742

50  
h-index

62596

80  
g-index

333  
all docs

333  
docs citations

333  
times ranked

5521  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and implementation of finite time sliding mode controller for fuzzy overhead crane system. ISA Transactions, 2022, 124, 374-385.	5.7	15
2	Causal augmented ConvNet: A temporal memory dilated convolution model for long-sequence time series prediction. ISA Transactions, 2022, 123, 200-217.	5.7	20
3	CAT-EDNet: Cross-Attention Transformer-Based Encoder-Decoder Network for Salient Defect Detection of Strip Steel Surface. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	4.7	8
4	Design and Implementation of Observer-Based Sliding Mode for Underactuated Rendezvous System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6003-6014.	9.3	8
5	A Just-In-Time-Learning-Aided Canonical Correlation Analysis Method for Multimode Process Monitoring and Fault Detection. IEEE Transactions on Industrial Electronics, 2021, 68, 5259-5270.	7.9	78
6	Deep Learning With Spatiotemporal Attention-Based LSTM for Industrial Soft Sensor Model Development. IEEE Transactions on Industrial Electronics, 2021, 68, 4404-4414.	7.9	234
7	A Projective and Discriminative Dictionary Learning for High-Dimensional Process Monitoring With Industrial Applications. IEEE Transactions on Industrial Informatics, 2021, 17, 558-568.	11.3	62
8	A Fractional Steepest Ascent Morlet Wavelet Transform-Based Transient Fault Diagnosis Method for Traction Drive Control System. IEEE Transactions on Transportation Electrification, 2021, 7, 147-160.	7.8	6
9	A geometry constrained dictionary learning method for industrial process monitoring. Information Sciences, 2021, 546, 265-282.	6.9	12
10	A trend-based event-triggering fuzzy controller for the stabilizing control of a large-scale zinc roaster. Journal of Process Control, 2021, 97, 59-71.	3.3	19
11	Modeling and optimal control framework for the solution purification process. , 2021, , 15-35.		0
12	Angle-Based Analysis Approach for Distributed Constrained Optimization. IEEE Transactions on Automatic Control, 2021, 66, 5569-5576.	5.7	12
13	Moving block principle-based multi-strategy optimal scheduling method for trains in case of segment blockages. Scientia Sinica Informationis, 2021, 51, 413.	0.4	5
14	Distributed dictionary learning for industrial process monitoring with big data. Applied Intelligence, 2021, 51, 7718-7734.	5.3	6
15	Model Predictive Control of a High-Purity Internal Thermally Coupled Distillation Column. Chemical Engineering and Technology, 2021, 44, 1294-1301.	1.5	0
16	Functional deep echo state network improved by a bi-level optimization approach for multivariate time series classification. Applied Soft Computing Journal, 2021, 106, 107314.	7.2	19
17	Adaptive process monitoring via online dictionary learning and its industrial application. ISA Transactions, 2021, 114, 399-412.	5.7	14
18	Optimal Control of Chilled Water System With Ensemble Learning and Cloud Edge Terminal Implementation. IEEE Transactions on Industrial Informatics, 2021, 17, 7839-7848.	11.3	7

#	ARTICLE	IF	CITATIONS
19	Smoothing Complete Feature Pyramid Networks for Roll Mark Detection of Steel Strips. <i>Sensors</i> , 2021, 21, 7264.	3.8	6
20	Optimal Setting and Control for Iron Removal Process Based on Adaptive Neural Network Soft-Sensor. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 2408-2420.	9.3	9
21	A Distributed Dynamic Event-Triggered Control Approach to Consensus of Linear Multiagent Systems With Directed Networks. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 869-874.	9.5	237
22	Deep quality-related feature extraction for soft sensing modeling: A deep learning approach with hybrid VW-SAE. <i>Neurocomputing</i> , 2020, 396, 375-382.	5.9	78
23	Adaptive over-sampling method for classification with application to imbalanced datasets in aluminum electrolysis. <i>Neural Computing and Applications</i> , 2020, 32, 7183-7199.	5.6	12
24	Energy Consumption Forecasting for the Nonferrous Metallurgy Industry Using Hybrid Support Vector Regression with an Adaptive State Transition Algorithm. <i>Cognitive Computation</i> , 2020, 12, 357-368.	5.2	18
25	Hierarchical Quality-Relevant Feature Representation for Soft Sensor Modeling: A Novel Deep Learning Strategy. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 3721-3730.	11.3	176
26	Voltage Difference Residual-Based Open-Circuit Fault Diagnosis Approach for Three-Level Converters in Electric Traction Systems. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 3012-3028.	7.9	69
27	A novel deep learning based fault diagnosis approach for chemical process with extended deep belief network. <i>ISA Transactions</i> , 2020, 96, 457-467.	5.7	280
28	Non-ferrous metals price forecasting based on variational mode decomposition and LSTM network. <i>Knowledge-Based Systems</i> , 2020, 188, 105006.	7.1	136
29	An Improved Homogeneous Polynomial Approach for Adaptive Sliding-Mode Control of Markov Jump Systems With Actuator Faults. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 955-969.	5.7	57
30	Asynchronous Filtering for Delayed Markovian Jump Systems via Homogeneous Polynomial Approach. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 2163-2170.	5.7	22
31	Modeling and simulation of an industrial falling film evaporator for alumina production. <i>Chemical Engineering Research and Design</i> , 2020, 154, 303-315.	5.6	6
32	Dynamic Optimization for Copper Removal Process With Continuous Production Constraints. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 7255-7263.	11.3	24
33	Deep learning for quality prediction of nonlinear dynamic processes with variable attention-based long short-term memory network. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 1377-1389.	1.7	60
34	Headspace Oxygen Concentration Measurement for Pharmaceutical Glass Bottles in Open-Path Optical Environment Using TDLAS/WMS. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 5828-5842.	4.7	33
35	Automated Visual Defect Detection for Flat Steel Surface: A Survey. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 626-644.	4.7	242
36	Power scheduling optimization under single-valued neutrosophic uncertainty. <i>Neurocomputing</i> , 2020, 382, 12-20.	5.9	13

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37	A comprehensive hybrid first principles/machine learning modeling framework for complex industrial processes. <i>Journal of Process Control</i> , 2020, 86, 30-43.	3.3	67
38	Optimizing zinc electrowinning processes with current switching via Deep Deterministic Policy Gradient learning. <i>Neurocomputing</i> , 2020, 380, 190-200.	5.9	20
39	Multivariate Regression Model for Industrial Process Measurement Based on Double Locally Weighted Partial Least Squares. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 3962-3971.	4.7	23
40	Model-based experimental design for nonlinear dynamical systems with unknown state delay and continuous state inequalities. <i>Chemical Engineering Research and Design</i> , 2020, 153, 635-656.	5.6	2
41	An integrated prediction model of heavy metal ion concentration for iron electrocoagulation process. <i>Chemical Engineering Journal</i> , 2020, 391, 123628.	12.7	22
42	A Deep Supervised Learning Framework for Data-Driven Soft Sensor Modeling of Industrial Processes. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 4737-4746.	11.3	63
43	Dynamic analysis and synchronisation control of a novel chaotic system with coexisting attractors. <i>Pramana - Journal of Physics</i> , 2020, 94, 1.	1.8	7
44	Temperature Balancing Method Based on FCSM2 PC for Three-level Inverters. , 2020, , .		0
45	Stochastic optimization for real-time operation of alumina blending process. <i>Journal of Process Control</i> , 2020, 96, 49-56.	3.3	4
46	An ensemble learning framework based on group decision making. , 2020, , .		2
47	Simultaneous Determination of Metal Ions in Zinc Sulfate Solution Using UV-Vis Spectrometry and SPSE-XGBoost Method. <i>Sensors</i> , 2020, 20, 4936.	3.8	14
48	Automated Visual Defect Classification for Flat Steel Surface: A Survey. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 9329-9349.	4.7	65
49	Optimization of Number of Stages for Energy Conservation and Economic Feasibility of the Heat-Integrated Air Separation Column. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 10110-10119.	3.7	6
50	Heat-transfer distribution optimization for the heat-integrated air separation column. <i>Separation and Purification Technology</i> , 2020, 248, 117048.	7.9	7
51	Highly sensitive detection of Pb <sup>2+</sup> and Cu <sup>2+</sup> based on ZIF-67/MWCNT/Nafion-modified glassy carbon electrode. <i>Analytica Chimica Acta</i> , 2020, 1124, 166-175.	5.4	46
52	EWT-ASG: Empirical Wavelet Transform With Adaptive Savitzky-Golay Filtering for TDLAS. <i>IEEE Photonics Journal</i> , 2020, 12, 1-12.	2.0	10
53	Using hybrid normalization technique and state transition algorithm to VIKOR method for influence maximization problem. <i>Neurocomputing</i> , 2020, 410, 41-50.	5.9	20
54	Soft sensor model for dynamic processes based on multichannel convolutional neural network. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 203, 104050.	3.5	59

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55	A hybrid feature selection method for production condition recognition in froth flotation with noisy labels. Minerals Engineering, 2020, 153, 106201.	4.3	21
56	Deep learning for fault-relevant feature extraction and fault classification with stacked supervised auto-encoder. Journal of Process Control, 2020, 92, 79-89.	3.3	84
57	Transient fault diagnosis for traction control system based on optimal fractional-order method. ISA Transactions, 2020, 102, 365-375.	5.7	10
58	Structure Dictionary Learning-Based Multimode Process Monitoring and its Application to Aluminum Electrolysis Process. IEEE Transactions on Automation Science and Engineering, 2020, 17, 1989-2003.	5.2	54
59	Noise-robust self-adaptive support vector machine for residual oxygen concentration measurement. IEEE Transactions on Instrumentation and Measurement, 2020, , 1-1.	4.7	34
60	Reconstructing Heterogeneous Networks via Compressive Sensing and Clustering. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, , 1-11.	4.9	7
61	Optimal Speed Control for a Semi-Autogenous Mill Based on Discrete Element Method. Processes, 2020, 8, 233.	2.8	4
62	Multi-scale local LSSVM based spatiotemporal modeling and optimal control for the goethite process. Neurocomputing, 2020, 385, 88-99.	5.9	6
63	Harmonic Amplitude Dispersion: When Production Intrinsic Prior Meets Oxygen Concentration Detection of Pharmaceutical Glass Vials. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9833-9843.	4.7	8
64	A novel semi-supervised pre-training strategy for deep networks and its application for quality variable prediction in industrial processes. Chemical Engineering Science, 2020, 217, 115509.	3.8	63
65	Consensus problem for continuous-time multiagent systems with nonconvex control input and velocity constraints. International Journal of Robust and Nonlinear Control, 2020, 30, 5418-5429.	3.7	5
66	Reweighted Compressed Sensing-Based Smart Grids Topology Reconstruction With Application to Identification of Power Line Outage. IEEE Systems Journal, 2020, 14, 4329-4339.	4.6	7
67	Distributed dictionary learning for high-dimensional process monitoring. Control Engineering Practice, 2020, 98, 104386.	5.5	39
68	Kernel intuitionistic fuzzy c-means and state transition algorithm for clustering problem. Soft Computing, 2020, 24, 15507-15518.	3.6	16
69	Stacked isomorphic autoencoder based soft analyzer and its application to sulfur recovery unit. Information Sciences, 2020, 534, 72-84.	6.9	38
70	Review of recent research on fault injection for high-speed train information control systems. Scientia Sinica Informationis, 2020, 50, 465-482.	0.4	1
71	Temperature Compensation and Correction in Detection of Oxygen Content Found in Glass Medicine Bottles Using Laser Wavelength Modulation Spectroscopy. Journal of Testing and Evaluation, 2020, 48, 1683-1693.	0.7	0
72	Computer Vision-Based Online Heterogeneity Assessment of the Sintering Transversal Thermal State. , 2020, , .		0

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73	Time-varying formation control of singular multi-agent systems with multiple leaders. , 2020, , .		1
74	Quality prediction model for process sequential data of irregular measurements with sampling-interval-attention LSTM. , 2020, , .		0
75	Energy-aware scheduling for information fusion in wireless sensor network surveillance. Information Fusion, 2019, 48, 95-106.	19.1	20
76	A Statistical Study on Parameter Selection of Operators in Continuous State Transition Algorithm. IEEE Transactions on Cybernetics, 2019, 49, 3722-3730.	9.5	59
77	A Uniform Modeling Method Based on Open-Circuit Faults Analysis for NPC-Three-Level Converter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 457-461.	3.0	47
78	Generalized Predictive Control for Industrial Processes Based on Neuron Adaptive Splitting and Merging RBF Neural Network. IEEE Transactions on Industrial Electronics, 2019, 66, 1192-1202.	7.9	54
79	Converter Lifetime Modeling Based on Online Rainflow Counting Algorithm. , 2019, , .		11
80	Finite-time asynchronous sliding mode control for Markovian jump systems. Automatica, 2019, 109, 108503.	5.0	76
81	A spectrophotometric method for simultaneous determination of trace ions of copper, cobalt, and nickel in the zinc sulfate solution by ultraviolet-visible spectrometry. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 223, 117370.	3.9	13
82	Optimal Setting and Control Strategy for Industrial Process Based on Discrete-Time Fractional-Order $PI^{\lambda}D^{\mu}$ . IEEE Access, 2019, 7, 47747-47761.	4.2	15
83	Stability-Based Parameter Selection for Data-Driven Model-Free Adaptive Controllers. Journal of Physics: Conference Series, 2019, 1302, 032055.	0.4	2
84	A Voltage-Based Open-Circuit Fault Diagnosis Approach for Single Phase Two-Level Converters. , 2019, , .		1
85	Modelling of Inner Surface Temperature Field of Blast Furnace Wall Based on Inverse Heat Conduction Problems. IFAC-PapersOnLine, 2019, 52, 78-83.	0.9	2
86	Data-driven Extraction Method of Belief Rule for Reagent Addition in Antimony Rougher Flotation. IFAC-PapersOnLine, 2019, 52, 72-77.	0.9	0
87	A New Data-Driven Method for Nonlinear Process Monitoring. IFAC-PapersOnLine, 2019, 52, 171-176.	0.9	0
88	A Voltage-Based Hierarchical Diagnosis Approach for Open-Circuit Fault of Two-Level Traction Converters. Electronics (Switzerland), 2019, 8, 992.	3.1	5
89	A New Data-Driven Model-Free Adaptive Control for Discrete-Time Nonlinear Systems. IEEE Access, 2019, 7, 126224-126233.	4.2	15
90	Coexisting attractors, circuit realization and impulsive synchronization of a new four-dimensional chaotic system. Modern Physics Letters B, 2019, 33, 1950026.	1.9	7

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91	Improved CCM for variable causality detection in complex systems. Control Engineering Practice, 2019, 83, 67-82.	5.5	16
92	Distributed Continuous-Time and Discrete-Time Optimization With Nonuniform Unbounded Convex Constraint Sets and Nonuniform Stepsizes. IEEE Transactions on Automatic Control, 2019, 64, 5148-5155.	5.7	56
93	Asynchronous output feedback control for fuzzy Markovian jump systems via sliding mode. Journal of the Franklin Institute, 2019, 356, 8952-8970.	3.4	19
94	Nonlinear process monitoring using kernel dictionary learning with application to aluminum electrolysis process. Control Engineering Practice, 2019, 89, 94-102.	5.5	48
95	Open-Circuit Fault Analysis and Modeling for Power Converter Based on Single Arm Model. Electronics (Switzerland), 2019, 8, 633.	3.1	10
96	Containment Control for High-Order Multi-Agent Systems With Nonuniform Communication Delays and Switching Topologies. IEEE Access, 2019, 7, 47577-47581.	4.2	4
97	Effect of clustering property on complex network reconstruction via compressed sensing. Physica A: Statistical Mechanics and Its Applications, 2019, 528, 121357.	2.6	7
98	Dynamic Analysis and Finite-Time Synchronization of a New Hyperchaotic System With Coexisting Attractors. IEEE Access, 2019, 7, 52896-52902.	4.2	15
99	Two-Stage Control of Endpoint Temperature for Pebble Stove Combustion. IEEE Access, 2019, 7, 625-640.	4.2	4
100	Adaptive signal enhancement for overlapped peaks based on weighting factor selection. Spectroscopy Letters, 2019, 52, 49-59.	1.0	1
101	The Bang-Bang Property of Time-Varying Optimal Time Control for Null Controllable Heat Equation. Journal of Optimization Theory and Applications, 2019, 182, 588-605.	1.5	0
102	Swarm intelligence inspired cooperation promotion and symmetry breaking in interdependent networked game. Chaos, 2019, 29, 043101.	2.5	18
103	High-Performance Electrochemical Sensor Based on $Mn_{1-x}Zn_xFe_2O_4$ Nanoparticle/Nafion-Modified Glassy Carbon Electrode for $Pb^{2+}$ Detection. Journal of the Electrochemical Society, 2019, 166, B341-B348.	2.9	12
104	Surface Defect Classification for Hot-Rolled Steel Strips by Selectively Dominant Local Binary Patterns. IEEE Access, 2019, 7, 23488-23499.	4.2	47
105	Estimate Information Fusion Weight of WSNs Nodes Based on Truth Discovery Optimization Method Among Conflicting Sources of Data. IEEE Access, 2019, 7, 35606-35618.	4.2	3
106	Comparison of Several Data-driven Models for Remaining Useful Life Prediction. , 2019, , .		3
107	Transistor Temperature Balancing Method for Three-level Inverters Based on FCS-MPC. , 2019, , .		2
108	A comparison of OCMPM and OCSVM in motor and sensor fault detection for traction control system. , 2019, , .		0

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109	A Power Loss Decrease Method Based on Finite Set Model Predictive Control for a Motor Emulator with Reduced Switch Count. <i>Energies</i> , 2019, 12, 4647.	3.1	2
110	Blind Topology Identification for Smart Grid Based on Dictionary Learning. , 2019, , .		5
111	Data-Driven Based State Transition Algorithm for Dynamic Optimization. , 2019, , .		0
112	Containment Control for Discrete-Time Multiagent Systems With Communication Delays and Switching Topologies. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 3827-3830.	9.5	42
113	Simultaneous determination of trace amounts of copper and cobalt in high concentration zinc solution using UV-vis spectrometry and Adaboost. <i>Optik</i> , 2019, 181, 703-713.	2.9	9
114	Multimode process monitoring based on robust dictionary learning with application to aluminium electrolysis process. <i>Neurocomputing</i> , 2019, 332, 305-319.	5.9	53
115	A Novel Method for Compensating Temperature Measurement Error Caused by Dust Using Infrared Thermal Imager. <i>IEEE Sensors Journal</i> , 2019, 19, 1730-1739.	4.7	11
116	A novel robust data reconciliation method for industrial processes. <i>Control Engineering Practice</i> , 2019, 83, 203-212.	5.5	29
117	Distributed Containment Control of Continuous-Time Multiagent Systems With Nonconvex Control Input Constraints. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 7927-7934.	7.9	42
118	A Distributed Canonical Correlation Analysis-Based Fault Detection Method for Plant-Wide Process Monitoring. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 2710-2720.	11.3	110
119	A novel modularity-based discrete state transition algorithm for community detection in networks. <i>Neurocomputing</i> , 2019, 334, 89-99.	5.9	52
120	A data-driven ground fault detection and isolation method for main circuit in railway electrical traction system. <i>ISA Transactions</i> , 2019, 87, 264-271.	5.7	54
121	Quantitative analysis of stibnite content in raw ore by Raman spectroscopy and chemometric tools. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 454-464.	2.5	10
122	Temperature Measurement and Compensation Method of Blast Furnace Molten Iron Based on Infrared Computer Vision. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 3576-3588.	4.7	64
123	A Cumulative Canonical Correlation Analysis-Based Sensor Precision Degradation Detection Method. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 6321-6330.	7.9	63
124	A Hybrid Feature Selection Method Based on Binary State Transition Algorithm and ReliefF. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 1888-1898.	6.3	72
125	Distributed Optimization With Nonconvex Velocity Constraints, Nonuniform Position Constraints, and Nonuniform Stepsizes. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 2575-2582.	5.7	81
126	Dynamic optimization based on state transition algorithm for copper removal process. <i>Neural Computing and Applications</i> , 2019, 31, 2827-2839.	5.6	26



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127	Cost-sensitive large margin distribution machine for fault detection of wind turbines. Cluster Computing, 2019, 22, 7525-7537.	5.0	15
128	A Novel Asynchronous Control for Artificial Delayed Markovian Jump Systems via Output Feedback Sliding Mode Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 364-374.	9.3	61
129	Baseline correction method based on doubly reweighted penalized least squares. Applied Optics, 2019, 58, 3913.	1.8	21
130	Anode effect prediction based on collaborative two-dimensional forecast model in aluminum electrolysis production. Journal of Industrial and Management Optimization, 2019, 15, 595-618.	1.3	6
131	Deep Learning-Based Feature Representation and Its Application for Soft Sensor Modeling With Variable-Wise Weighted SAE. IEEE Transactions on Industrial Informatics, 2018, 14, 3235-3243.	11.3	447
132	Modeling, optimization, and control of solution purification process in zinc hydrometallurgy. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 564-576.	13.1	26
133	Control Vector Parameterization-Based Adaptive Invasive Weed Optimization for Dynamic Processes. Chemical Engineering and Technology, 2018, 41, 964-974.	1.5	10
134	CeO <sub>2</sub> -based mixed potential type acetone sensor using MMnO <sub>3</sub> (M: Sr, Ca, La and Sm) sensing electrode. Solid State Ionics, 2018, 317, 53-59.	2.7	25
135	Fractional order fuzzy PID optimal control in copper removal process of zinc hydrometallurgy. Hydrometallurgy, 2018, 178, 60-76.	4.3	24
136	Exploiting Correlation for Confident Sensing in Fusion-Based Wireless Sensor Networks. IEEE Transactions on Industrial Electronics, 2018, 65, 4962-4972.	7.9	9
137	A Two-stage State Transition Algorithm for Constrained Engineering Optimization Problems. International Journal of Control, Automation and Systems, 2018, 16, 522-534.	2.7	30
138	Hardware-in-the-Loop Fault Injection for Traction Control System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 696-706.	5.4	58
139	Passivity-Based Asynchronous Sliding Mode Control for Delayed Singular Markovian Jump Systems. IEEE Transactions on Automatic Control, 2018, 63, 2715-2721.	5.7	186
140	Redefined observability matrix for Boolean networks and distinguishable partitions of state space. Automatica, 2018, 91, 316-319.	5.0	19
141	A novel non-uniform control vector parameterization approach with time grid refinement for flight level tracking optimal control problems. ISA Transactions, 2018, 73, 66-78.	5.7	21
142	Production optimization for concentration and volume-limited fed-batch reactors in biochemical processes. Bioprocess and Biosystems Engineering, 2018, 41, 407-422.	3.4	2
143	CeO <sub>2</sub> -based mixed potential type acetone sensor using La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> sensing electrode. Sensors and Actuators B: Chemical, 2018, 269, 118-126.	7.8	40
144	A Hybrid Control Strategy for Real-Time Control of the Iron Removal Process of the Zinc Hydrometallurgy Plants. IEEE Transactions on Industrial Informatics, 2018, 14, 5278-5288.	11.3	27

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145	Fractional-order PID controller tuning using continuous state transition algorithm. <i>Neural Computing and Applications</i> , 2018, 29, 795-804.	5.6	49
146	Data reconciliation strategy with time registration for the evaporation process in alumina production. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 189-204.	1.7	12
147	Mixed potential type sensor based on stabilized zirconia and $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ sensing electrode for detection of acetone. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1173-1181.	7.8	41
148	Event-Based Fault Detection Filtering for Complex Networked Jump Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 497-505.	5.8	99
149	Sub-ppb $\text{SO}_2$ gas sensor based on NASICON and $\text{La}_x\text{Sm}_{1-x}\text{FeO}_3$ sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 648-655.	7.8	44
150	Controllable-Domain-Based Fuzzy Rule Extraction for Copper Removal Process Control. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 1744-1756.	9.8	20
151	A dynamic state transition algorithm with application to sensor network localization. <i>Neurocomputing</i> , 2018, 273, 237-250.	5.9	46
152	YSZ-based mixed potential $\text{H}_2\text{S}$ sensor using $\text{La}_2\text{NiO}_4$ sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3033-3039.	7.8	32
153	Distributed parameter modeling and optimal control of the oxidation rate in the iron removal process. <i>Journal of Process Control</i> , 2018, 61, 47-57.	3.3	12
154	Distributed Consensus of Second-Order Multiagent Systems With Nonconvex Velocity and Control Input Constraints. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 1171-1176.	5.7	101
155	Heterogeneous cooperative belief for social dilemma in multi-agent system. <i>Applied Mathematics and Computation</i> , 2018, 320, 572-579.	2.2	48
156	Fault Detection for Non-Gaussian Processes Using Generalized Canonical Correlation Analysis and Randomized Algorithms. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 1559-1567.	7.9	246
157	Weighted Linear Dynamic System for Feature Representation and Soft Sensor Application in Nonlinear Dynamic Industrial Processes. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 1508-1517.	7.9	144
158	A Tracking Method of Load Current Based on Finite Set Model Predictive Control for Motor Simulator. , 2018, , .		3
159	Monitoring of Incipient Broken Rotor Bar Fault in Traction Motor Based on Dynamic Time Warping. , 2018, , .		2
160	A single-phase two-level rectifier modeling method based on improved Hefner model. , 2018, , .		1
161	A Stacked Autoencoder for Operation Mode Classification of Complicated Industrial Process. , 2018, , .		0
162	Nonlinear VW-SAE Based Deep Learning for Quality-Related Feature Learning and Soft Sensor Modeling. , 2018, , .		9

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163	An adaptive time series representation method for anode current signals in aluminium electrolysis. IFAC-PapersOnLine, 2018, 51, 213-218.	0.9	1
164	A method for improving the accuracy of infrared thermometry under the influence of dust. IFAC-PapersOnLine, 2018, 51, 246-250.	0.9	2
165	Fractional Steepest Ascent Method for TCU Fault Detection. IFAC-PapersOnLine, 2018, 51, 1336-1342.	0.9	2
166	A Data-Driven Fault Diagnosis Method for Static Processes with Periodic Disturbances. , 2018, , .		0
167	Temperature Measurement Method for Blast Furnace Molten Iron Based on Infrared Thermography and Temperature Reduction Model. Sensors, 2018, 18, 3792.	3.8	18
168	An Adaptive Data-Driven Fault Detection Method for Monitoring Dynamic Process. , 2018, , .		1
169	Generalized CCA with Applications for Fault Detection and Estimation. , 2018, , .		4
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