

Weihua Gui

List of Publications by Year in descending order

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2936
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#	ARTICLE	IF	CITATIONS
1	Disturbance-Encoding-Based Neural Hammerstein-Wiener Model for Industrial Process Predictive Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 606-617.	5.9	8
2	Siamese Time Series and Difference Networks for Performance Monitoring in the Froth Flotation Process. IEEE Transactions on Industrial Informatics, 2022, 18, 2539-2549.	7.2	21
3	Static and Dynamic Joint Analysis for Operation Condition Division of Industrial Process With Incremental Learning. IEEE Internet of Things Journal, 2022, 9, 22081-22094.	5.5	6
4	Multiphase-Based Optimal Slip Ratio Tracking Control of Aircraft Antiskid Braking System via Second-Order Sliding-Mode Approach. IEEE/ASME Transactions on Mechatronics, 2022, 27, 823-833.	3.7	11
5	Optimal Temperature Rise Control for a Large-Scale Vertical Quench Furnace System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4912-4924.	5.9	4
6	Electrothermal Performance-Based FCS-MPC for Dynamic Thermal Balance Control of Traction Converters. IEEE Transactions on Transportation Electrification, 2022, 8, 277-287.	5.3	3
7	Abnormality Monitoring in the Blast Furnace Ironmaking Process Based on Stacked Dynamic Target-Driven Denoising Autoencoders. IEEE Transactions on Industrial Informatics, 2022, 18, 1854-1863.	7.2	24
8	State Estimation of Networked Finite State Machine With Communication Delays and Losses. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1372-1376.	2.2	12
9	Outlier Detection for Process Monitoring in Industrial Cyber-Physical Systems. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2487-2498.	3.4	7
10	Fault Diagnosis of Hydraulic Systems Based on Deep Learning Model With Multirate Data Samples. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6789-6801.	7.2	66
11	Influence of Charging Parameters on the Burden Flow Velocity and Distribution on the Blast Furnace Chute Based on Discrete Element Method. Steel Research International, 2022, 93, 2100332.	1.0	6
12	A SIA-LSTM based virtual metrology for quality variables in irregular sampled time sequence of industrial processes. Chemical Engineering Science, 2022, 249, 117299.	1.9	22
13	Soft-Sensing Model for Submerged Arc Furnace Electrode Current Based on Machine Learning. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2022, 53, 418.	1.0	1
14	Industrial Process Modeling and Monitoring Based on Jointly Specific and Shared Dictionary Learning. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	7
15	Interference Fringe Suppression for Oxygen Concentration Measurement Using Adaptive Harmonic Feeding Generative Adversarial Network. IEEE Sensors Journal, 2022, 22, 2419-2429.	2.4	5
16	Cloud-Edge Collaborative Method for Industrial Process Monitoring Based on Error-Triggered Dictionary Learning. IEEE Transactions on Industrial Informatics, 2022, 18, 8957-8966.	7.2	27
17	Stabilization of Boolean control networks with state-triggered impulses. Science China Information Sciences, 2022, 65, 1.	2.7	13
18	Smart manufacturing of nonferrous metallurgical processes: Review and perspectives. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 611-625.	2.4	11

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19	Label propagation dictionary learning based process monitoring method for industrial process with between-mode similarity. Science China Information Sciences, 2022, 65, 1.	2.7	1
20	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.	2.4	8
21	Polymorphic Temperature Measurement Method of Molten Iron After Skimmer in Ironmaking Process. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	2
22	Unified Stationary and Nonstationary Data Representation for Process Monitoring in IIoT. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	3
23	A latent feature oriented dictionary learning method for closed-loop process monitoring. ISA Transactions, 2022, 131, 552-565.	3.1	1
24	Design of a Non-Linear Observer for SOC of Lithium-Ion Battery Based on Neural Network. Energies, 2022, 15, 3835.	1.6	4
25	Prediction of Multiple Molten Iron Quality Indices in the Blast Furnace Ironmaking Process Based on Attention-Wise Deep Transfer Network. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	2.4	5
26	Containment Problem for Multiagent Systems With Nonconvex Velocity Constraints. IEEE Transactions on Cybernetics, 2021, 51, 4716-4721.	6.2	10
27	A Layer-Wise Data Augmentation Strategy for Deep Learning Networks and Its Soft Sensor Application in an Industrial Hydrocracking Process. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3296-3305.	7.2	85
28	Asymptotical Stability of Logic Dynamical Systems With Random Impulsive Disturbances. IEEE Transactions on Automatic Control, 2021, 66, 513-525.	3.6	27
29	Steady-State Design of Large-Dimensional Boolean Networks. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1149-1161.	7.2	39
30	Illumination-Invariant Flotation Froth Color Measuring via Wasserstein Distance-Based CycleGAN With Structure-Preserving Constraint. IEEE Transactions on Cybernetics, 2021, 51, 839-852.	6.2	42
31	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.	5.2	78
32	A Projective and Discriminative Dictionary Learning for High-Dimensional Process Monitoring With Industrial Applications. IEEE Transactions on Industrial Informatics, 2021, 17, 558-568.	7.2	62
33	Multiobjective-Based Optimization and Control for Iron Removal Process Under Dynamic Environment. IEEE Transactions on Industrial Informatics, 2021, 17, 569-577.	7.2	14
34	Categorization Problem on Controllability of Boolean Control Networks. IEEE Transactions on Automatic Control, 2021, 66, 2297-2303.	3.6	51
35	Soft Sensor Modeling of Blast Furnace Wall Temperature Based on Temporal-Spatial Dimensional Finite-Element Extrapolation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	2.4	9
36	Detection of Blast Furnace Stockline Based on a Spatial-Temporal Characteristic Cooperative Method. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	2.4	9

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37	Learning Local Gabor Pattern-Based Discriminative Dictionary of Froth Images for Flotation Process Working Condition Monitoring. IEEE Transactions on Industrial Informatics, 2021, 17, 4437-4448.	7.2	17
38	A geometry constrained dictionary learning method for industrial process monitoring. Information Sciences, 2021, 546, 265-282.	4.0	12
39	Long short-term memory-based grade monitoring in froth flotation using a froth video sequence. Minerals Engineering, 2021, 160, 106677.	1.8	36
40	Data-driven adaptive modeling method for industrial processes and its application in flotation reagent control. ISA Transactions, 2021, 108, 305-316.	3.1	9
41	Two-Stream Deep Feature-Based Froth Flotation Monitoring Using Visual Attention Clues. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	2.4	14
42	Compensation Method for the Influence of Dust in Optical Path on Infrared Temperature Measurement. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	12
43	RPI-SURF: A Feature Descriptor for Bubble Velocity Measurement in Froth Flotation With Relative Position Information. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	2.4	8
44	Soft Sensors Based on Adaptive Stacked Polymorphic Model for Silicon Content Prediction in Ironmaking Process. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	2.4	26
45	Asymptotical Stability and Stabilization of Continuous-time Probabilistic Logic Networks. IEEE Transactions on Automatic Control, 2021, , 1-1.	3.6	6
46	Angle-Based Analysis Approach for Distributed Constrained Optimization. IEEE Transactions on Automatic Control, 2021, 66, 5569-5576.	3.6	12
47	Mass Flow Measurement of Molten Iron From Blast Furnace, Based on Trusted Region Stacking Using Single High-Speed Camera. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	4
48	Research on the Influence of Multiple Interference Factors on Infrared Temperature Measurement. IEEE Sensors Journal, 2021, 21, 10546-10555.	2.4	11
49	A Robust Transfer Dictionary Learning Algorithm for Industrial Process Monitoring. Engineering, 2021, 7, 1262-1273.	3.2	12
50	A multi-rate sampling data fusion method for fault diagnosis and its industrial applications. Journal of Process Control, 2021, 104, 54-61.	1.7	20
51	Asymptotical feedback controllability of probabilistic logic control networks. Systems and Control Letters, 2021, 154, 104986.	1.3	5
52	A layered working condition perception integrating handcrafted with deep features for froth flotation. Minerals Engineering, 2021, 170, 107059.	1.8	9
53	MLD-Based Thermal Behavior Analysis of Traction Converters Under Faulty Conditions. IEEE Transactions on Transportation Electrification, 2021, 7, 1058-1073.	5.3	5
54	Grade prediction of zinc tailings using an encoder-decoder model in froth flotation. Minerals Engineering, 2021, 172, 107173.	1.8	11

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55	Deep learning feature-based setpoint generation and optimal control for flotation processes. Information Sciences, 2021, 578, 644-658.	4.0	11
56	Optimal Control of Chilled Water System With Ensemble Learning and Cloud Edge Terminal Implementation. IEEE Transactions on Industrial Informatics, 2021, 17, 7839-7848.	7.2	7
57	Feature Reconstruction-Regression Network: A Light-Weight Deep Neural Network for Performance Monitoring in the Froth Flotation. IEEE Transactions on Industrial Informatics, 2021, 17, 8406-8417.	7.2	26
58	Polymorphic Measurement Method of FeO Content of Sinter Based on Heterogeneous Features of Infrared Thermal Images. IEEE Sensors Journal, 2021, 21, 12036-12047.	2.4	13
59	Grouped Time Series Networks for Grade Monitoring of Zinc Tailings With Multisource Features. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	2
60	Velocity Measurement of Blast Furnace Molten Iron Based on Mixed Morphological Features of Boundary Pixel Sets. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	2.4	3
61	Mean Square Stability of Discrete-Time Linear Systems with Random Impulsive Disturbance. , 2021, , .		0
62	An Industrial Multilevel Knowledge Graph-Based Local-Global Monitoring for Plant-Wide Processes. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	2.4	4
63	A Hybrid First Principles and Data-Driven Process Monitoring Method for Zinc Smelting Roasting Process. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	2.4	6
64	A Condition Prediction Method of Blast Furnace Based on Flame Morphology Information. , 2021, , .		0
65	Optimal Setting and Control for Iron Removal Process Based on Adaptive Neural Network Soft-Sensor. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2408-2420.	5.9	9
66	Optimal State Estimation of Boolean Control Networks With Stochastic Disturbances. IEEE Transactions on Cybernetics, 2020, 50, 1355-1359.	6.2	40
67	Deep quality-related feature extraction for soft sensing modeling: A deep learning approach with hybrid VW-SAE. Neurocomputing, 2020, 396, 375-382.	3.5	78
68	Neurofuzzy-Based Plant-Wide Hierarchical Coordinating Optimization and Control: An Application to Zinc Hydrometallurgy Plant. IEEE Transactions on Industrial Electronics, 2020, 67, 2207-2219.	5.2	33
69	Toward Flotation Process Operation-State Identification via Statistical Modeling of Biologically Inspired Gabor Filtering Responses. IEEE Transactions on Cybernetics, 2020, 50, 4242-4255.	6.2	20
70	Hierarchical Quality-Relevant Feature Representation for Soft Sensor Modeling: A Novel Deep Learning Strategy. IEEE Transactions on Industrial Informatics, 2020, 16, 3721-3730.	7.2	176
71	Temperature prediction for roller kiln based on hybrid first-principle model and data-driven MW-DLWKPCR model. ISA Transactions, 2020, 98, 403-417.	3.1	48
72	Voltage Difference Residual-Based Open-Circuit Fault Diagnosis Approach for Three-Level Converters in Electric Traction Systems. IEEE Transactions on Power Electronics, 2020, 35, 3012-3028.	5.4	69

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73	A novel deep learning based fault diagnosis approach for chemical process with extended deep belief network. ISA Transactions, 2020, 96, 457-467.	3.1	280
74	Sampled-Data State-Feedback Stabilization of Probabilistic Boolean Control Networks: A Control Lyapunov Function Approach. IEEE Transactions on Cybernetics, 2020, 50, 3928-3937.	6.2	37
75	Deep learning for quality prediction of nonlinear dynamic processes with variable attention-based long short-term memory network. Canadian Journal of Chemical Engineering, 2020, 98, 1377-1389.	0.9	60
76	Headspace Oxygen Concentration Measurement for Pharmaceutical Glass Bottles in Open-Path Optical Environment Using TDLAS/WMS. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5828-5842.	2.4	33
77	Multivariate Regression Model for Industrial Process Measurement Based on Double Locally Weighted Partial Least Squares. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3962-3971.	2.4	23
78	Asymptotical Feedback Set Stabilization of Probabilistic Boolean Control Networks. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4524-4537.	7.2	39
79	A Deep Supervised Learning Framework for Data-Driven Soft Sensor Modeling of Industrial Processes. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4737-4746.	7.2	63
80	Optimal Control of Iron-Removal Systems Based on Off-Policy Reinforcement Learning. IEEE Access, 2020, 8, 149730-149740.	2.6	5
81	Automated Visual Defect Classification for Flat Steel Surface: A Survey. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9329-9349.	2.4	65
82	Estimating the State-of-Charge of Lithium-Ion Battery Using an H-Infinity Observer Based on Electrochemical Impedance Model. IEEE Access, 2020, 8, 26872-26884.	2.6	61
83	EWT-ASC: Empirical Wavelet Transform With Adaptive Savitzky-Golay Filtering for TDLAS. IEEE Photonics Journal, 2020, 12, 1-12.	1.0	10
84	Timed key-value memory network for flotation reagent control. Control Engineering Practice, 2020, 98, 104360.	3.2	12
85	Velocity Measurement of Blast Furnace Molten Iron Based on Local Multi-Feature Correction Using Multi-Stage Filtered High-Speed Camera. IEEE Sensors Journal, 2020, 20, 11537-11548.	2.4	6
86	Transfer Dictionary Learning Method for Cross-Domain Multimode Process Monitoring and Fault Isolation. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 8713-8724.	2.4	34
87	Noise-robust self-adaptive support vector machine for residual oxygen concentration measurement. IEEE Transactions on Instrumentation and Measurement, 2020, , 1-1.	2.4	34
88	Convolutional memory network-based flotation performance monitoring. Minerals Engineering, 2020, 151, 106332.	1.8	22
89	Compensation Method for Molten Iron Temperature Measurement Based on Heterogeneous Features of Infrared Thermal Images. IEEE Transactions on Industrial Informatics, 2020, 16, 7056-7066.	7.2	17
90	A Similarity-Based Burst Bubble Recognition Using Weighted Normalized Cross Correlation and Chamfer Distance. IEEE Transactions on Industrial Informatics, 2020, 16, 4077-4089.	7.2	26

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91	Online Monitoring of Flotation Froth Bubble-Size Distributions via Multiscale Deblurring and Multistage Jumping Feature-Fused Full Convolutional Networks. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9618-9633.	2.4	36
92	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.	2.4	8
93	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.	1.9	63
94	Classification of silicon content variation trend based on fusion of multilevel features in blast furnace ironmaking. Information Sciences, 2020, 521, 32-45.	4.0	19
95	3D Topography Measurement and Completion Method of Blast Furnace Burden Surface Using High-Temperature Industrial Endoscope. IEEE Sensors Journal, 2020, 20, 6478-6491.	2.4	18
96	A Real-Time 3D Measurement System for the Blast Furnace Burden Surface Using High-Temperature Industrial Endoscope. Sensors, 2020, 20, 869.	2.1	17
97	Influence of Dust on Temperature Measurement Using Infrared Thermal Imager. IEEE Sensors Journal, 2020, 20, 2911-2918.	2.4	8
98	A Novel 3-D High-Temperature Industrial Endoscope With Large Field Depth and Wide Field. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 6530-6543.	2.4	13
99	Distributed dictionary learning for high-dimensional process monitoring. Control Engineering Practice, 2020, 98, 104386.	3.2	39
100	IOUC-3DSFCNN: Segmentation of Brain Tumors via IOU Constraint 3D Symmetric Full Convolution Network with Multimodal Auto-context. Scientific Reports, 2020, 10, 6256.	1.6	14
101	TDLAS/WMS Embedded System for Oxygen Concentration Detection of Glass Vials with Variational Mode Decomposition. IFAC-PapersOnLine, 2020, 53, 11626-11631.	0.5	7
102	Asymptotical Feedback Controllability of Continuous-time Probabilistic Logic Control Networks. , 2020, , .		1
103	A Statistical Study on Parameter Selection of Operators in Continuous State Transition Algorithm. IEEE Transactions on Cybernetics, 2019, 49, 3722-3730.	6.2	59
104	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.	2.2	47
105	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.	5.2	54
106	Shape-weighted bubble size distribution based reagent predictive control for the antimony flotation process. Chemometrics and Intelligent Laboratory Systems, 2019, 192, 103821.	1.8	12
107	Finite-time asynchronous sliding mode control for Markovian jump systems. Automatica, 2019, 109, 108503.	3.0	76
108	Stability analysis of state-triggered impulsive boolean networks based on a hybrid index model. Asian Journal of Control, 2019, 21, 2624-2633.	1.9	17

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109	A two-layer optimization and control strategy for zinc hydrometallurgy process based on RBF neural network soft-sensor. , 2019, , .		1
110	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.	3.6	56
111	Data-driven-based adaptive fuzzy neural network control for the antimony flotation plant. Journal of the Franklin Institute, 2019, 356, 5944-5960.	1.9	21
112	On-line prediction of ferrous ion concentration in goethite process based on self-adjusting structure RBF neural network. Neural Networks, 2019, 116, 1-10.	3.3	24
113	Optimal Reagents Control for Flotation Processes: An Adaptive Dynamic Programming Approach. , 2019, , .		1
114	Data-Driven Adaptive Optimal Control for Flotation Processes With Delayed Feedback and Disturbance. IEEE Access, 2019, 7, 163138-163149.	2.6	3
115	Containment Control for Discrete-Time Multiagent Systems With Communication Delays and Switching Topologies. IEEE Transactions on Cybernetics, 2019, 49, 3827-3830.	6.2	42
116	A Novel Method for Compensating Temperature Measurement Error Caused by Dust Using Infrared Thermal Imager. IEEE Sensors Journal, 2019, 19, 1730-1739.	2.4	11
117	A Distributed Canonical Correlation Analysis-Based Fault Detection Method for Plant-Wide Process Monitoring. IEEE Transactions on Industrial Informatics, 2019, 15, 2710-2720.	7.2	110
118	A data-driven ground fault detection and isolation method for main circuit in railway electrical traction system. ISA Transactions, 2019, 87, 264-271.	3.1	54
119	Temperature Measurement and Compensation Method of Blast Furnace Molten Iron Based on Infrared Computer Vision. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3576-3588.	2.4	64
120	A Cumulative Canonical Correlation Analysis-Based Sensor Precision Degradation Detection Method. IEEE Transactions on Industrial Electronics, 2019, 66, 6321-6330.	5.2	63
121	Distributed Optimization With Nonconvex Velocity Constraints, Nonuniform Position Constraints, and Nonuniform Stepsizes. IEEE Transactions on Automatic Control, 2019, 64, 2575-2582.	3.6	81
122	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.	7.2	447
123	Modeling, optimization, and control of solution purification process in zinc hydrometallurgy. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 564-576.	8.5	26
124	Temperature Prediction Model for Roller Kiln by ALD-Based Double Locally Weighted Kernel Principal Component Regression. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2001-2010.	2.4	68
125	Nonlinear modeling of the relationship between reagent dosage and flotation froth surface image by Hammerstein-Wiener model. Minerals Engineering, 2018, 120, 19-28.	1.8	30
126	A Two-stage State Transition Algorithm for Constrained Engineering Optimization Problems. International Journal of Control, Automation and Systems, 2018, 16, 522-534.	1.6	30

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127	Hardware-in-the-Loop Fault Injection for Traction Control System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 696-706.	3.7	58
128	Redefined observability matrix for Boolean networks and distinguishable partitions of state space. Automatica, 2018, 91, 316-319.	3.0	19
129	The Method of Reagent Control Based on Time Series Distribution of Bubble Size in a Gold-Antimony Flotation Process. Asian Journal of Control, 2018, 20, 2223-2236.	1.9	10
130	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.	7.2	27
131	Controllable-Domain-Based Fuzzy Rule Extraction for Copper Removal Process Control. IEEE Transactions on Fuzzy Systems, 2018, 26, 1744-1756.	6.5	20
132	A dynamic state transition algorithm with application to sensor network localization. Neurocomputing, 2018, 273, 237-250.	3.5	46
133	Distributed Consensus of Second-Order Multiagent Systems With Nonconvex Velocity and Control Input Constraints. IEEE Transactions on Automatic Control, 2018, 63, 1171-1176.	3.6	101
134	Fault Detection for Non-Gaussian Processes Using Generalized Canonical Correlation Analysis and Randomized Algorithms. IEEE Transactions on Industrial Electronics, 2018, 65, 1559-1567.	5.2	246
135	Weighted Linear Dynamic System for Feature Representation and Soft Sensor Application in Nonlinear Dynamic Industrial Processes. IEEE Transactions on Industrial Electronics, 2018, 65, 1508-1517.	5.2	144
136	A Light Field Imaging Based Measuring Method for Blast Furnace Burden Distribution. IFAC-PapersOnLine, 2018, 51, 257-261.	0.5	2
137	Temperature Measurement Method for Blast Furnace Molten Iron Based on Infrared Thermography and Temperature Reduction Model. Sensors, 2018, 18, 3792.	2.1	18
138	A novel variable selection method based on stability and variable permutation for multivariate calibration. Chemometrics and Intelligent Laboratory Systems, 2018, 182, 188-201.	1.8	14
139	A data-driven optimal control approach for solution purification process. Journal of Process Control, 2018, 68, 171-185.	1.7	24
140	Weighted-coupling CSTR modeling and model predictive control with parameter adaptive correction for the goethite process. Journal of Process Control, 2018, 68, 254-267.	1.7	17
141	Fuzzy Association Rule Based Froth Surface Behavior Control in Zinc Froth Flotation. Symmetry, 2018, 10, 216.	1.1	7
142	Data-driven flotation reagent changing evaluation via union distribution analysis of bubble size and shape. Canadian Journal of Chemical Engineering, 2018, 96, 2616-2626.	0.9	13
143	A Fault-Injection Strategy for Traction Drive Control Systems. IEEE Transactions on Industrial Electronics, 2017, 64, 5719-5727.	5.2	91
144	Probabilistic density-based regression model for soft sensing of nonlinear industrial processes. Journal of Process Control, 2017, 57, 15-25.	1.7	34

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145	Reagent Addition Control for Stibium Rougher Flotation Based on Sensitive Froth Image Features. IEEE Transactions on Industrial Electronics, 2017, 64, 4199-4206.	5.2	45
146	Recognition of flooding and sinking conditions in flotation process using soft measurement of froth surface level and QTA. Chemometrics and Intelligent Laboratory Systems, 2017, 169, 45-52.	1.8	15
147	Dynamic multi-objective optimization arising in iron precipitation of zinc hydrometallurgy. Hydrometallurgy, 2017, 173, 134-148.	1.8	42
148	Multi-zone multi-phase temperature field modelling of aluminum alloy workpieces in large-scale vertical quench furnaces. Applied Thermal Engineering, 2017, 113, 1569-1584.	3.0	10
149	Application of statistical modeling of image spatial structures to automated visual inspection of product quality. Journal of Process Control, 2016, 44, 23-40.	1.7	13
150	A Novel Device for Optical Imaging of Blast Furnace Burden Surface: Parallel Low-Light-Loss Backlight High-Temperature Industrial Endoscope. IEEE Sensors Journal, 2016, 16, 6703-6717.	2.4	33
151	Temperature Uniformity Control of Large-Scale Vertical Quench Furnaces for Aluminum Alloy Thermal Treatment. IEEE Transactions on Control Systems Technology, 2016, 24, 24-39.	3.2	28
152	Combined fuzzy based feedforward and bubble size distribution based feedback control for reagent dosage in copper roughing process. Journal of Process Control, 2016, 39, 50-63.	1.7	19
153	Working condition recognition based on an improved NGLDM and interval data-based classifier for the antimony roughing process. Minerals Engineering, 2016, 86, 1-9.	1.8	26
154	Additive requirement ratio prediction using trend distribution features for hydrometallurgical purification processes. Control Engineering Practice, 2016, 46, 10-25.	3.2	21
155	Set stability and set stabilization of Boolean control networks based on invariant subsets. Automatica, 2015, 61, 106-112.	3.0	214
156	Integrated prediction model of bauxite concentrate grade based on distributed machine vision. Minerals Engineering, 2013, 53, 31-38.	1.8	49
157	Kinetic Modeling and Parameter Estimation for Competing Reactions in Copper Removal Process from Zinc Sulfate Solution. Industrial & Engineering Chemistry Research, 2013, 52, 17074-17086.	1.8	39
158	Color co-occurrence matrix based froth image texture extraction for mineral flotation. Minerals Engineering, 2013, 46-47, 60-67.	1.8	65
159	Recognition of the operational statuses of reagent addition using dynamic bubble size distribution in copper flotation process. Minerals Engineering, 2013, 45, 128-141.	1.8	36
160	Machine Vision Based Production Condition Classification and Recognition for Mineral Flotation Process Monitoring. International Journal of Computational Intelligence Systems, 2013, 6, 969.	1.6	17
161	Design of quantised dynamic output feedback for decentralised \hat{a}, \hat{z} control systems. IET Control Theory and Applications, 2013, 7, 1408-1414.	1.2	3
162	Decentralized H_∞ control of interconnected systems via quantized dynamic output feedback. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
163	State transition algorithm. Journal of Industrial and Management Optimization, 2012, 8, 1039-1056.	0.8	137
164	Research of State Monitor System for CCBII Brake Based on Multi-hierarchy Fuzzy Evaluation. , 2009, , .		0
165	Containment problem for multi-agent systems with position and velocity constraints. International Journal of Robust and Nonlinear Control, 0, , .	2.1	2
166	Research on the velocity distribution law of the coke in the chute of blast furnace based on discrete element method. Computational Particle Mechanics, 0, , .	1.5	1