Wei-hua Gui

List of Publications by Year
in descending order

225	6,658	57758	82547
papers	citations	44	72
		h-index	g-index

226	226	226	3951
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Siamese Time Series and Difference Networks for Performance Monitoring in the Froth Flotation Process. IEEE Transactions on Industrial Informatics, 2022, 18, 2539-2549.	11.3	21
2	Electrothermal Performance-Based FCS-MPC for Dynamic Thermal Balance Control of Traction Converters. IEEE Transactions on Transportation Electrification, 2022, 8, 277-287.	7.8	3
3	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.	11.3	24
4	Pinning Control for Stabilization of Boolean Networks Under Knock-Out Perturbation. IEEE Transactions on Automatic Control, 2022, 67, 1550-1557.	5.7	34
5	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.	1.8	6
6	A SIA-LSTM based virtual metrology for quality variables in irregular sampled time sequence of industrial processes. Chemical Engineering Science, 2022, 249, 117299.	3.8	22
7	Minimal observability of Boolean networks. Science China Information Sciences, 2022, 65, 1.	4.3	30
8	Voltage and Current Sensor Fault Diagnosis Method for Traction Converter with Two Stator Current Sensors. Sensors, 2022, 22, 2355.	3.8	7
9	Smart manufacturing of nonferrous metallurgical processes: Review and perspectives. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 611-625.	4.9	11
10	Optimal setting strategy of electrocoagulation process in heavy metal wastewater treatment plant. Journal of Environmental Management, 2022, 310, 114724.	7.8	3
11	Polymorphic Temperature Measurement Method of Molten Iron After Skimmer in Ironmaking Process. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	2
12	A novel learning-based asynchronous sliding mode control for discrete-time semi-Markov jump systems. Automatica, 2022, 143, 110428.	5.0	19
13	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.	4.7	5
14	Containment Problem for Multiagent Systems With Nonconvex Velocity Constraints. IEEE Transactions on Cybernetics, 2021, 51, 4716-4721.	9.5	10
15	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
16	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.	11.3	85
17	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
18	Tracking Performance Limitations of Networked Control Systems With Repeated Zeros and Poles. IEEE Transactions on Automatic Control, 2021, 66, 1902-1909.	5.7	18

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19	Multiobjective-Based Optimization and Control for Iron Removal Process Under Dynamic Environment. IEEE Transactions on Industrial Informatics, 2021, 17, 569-577.	11.3	14
20	Admissible Consensus for Homogenous Descriptor Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 965-974.	9.3	20
21	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.	4.7	9
22	Detection of Blast Furnace Stockline Based on a Spatial–Temporal Characteristic Cooperative Method. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	4.7	9
23	Two-Stream Deep Feature-Based Froth Flotation Monitoring Using Visual Attention Clues. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	14
24	Compensation Method for the Influence of Dust in Optical Path on Infrared Temperature Measurement. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	12
25	Stability of Boolean networks with state-dependent random impulses. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 222-231.	2.6	6
26	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.	4.7	26
27	Angle-Based Analysis Approach for Distributed Constrained Optimization. IEEE Transactions on Automatic Control, 2021, 66, 5569-5576.	5.7	12
28	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.	4.7	4
29	A hybrid model combining mechanism with semi-supervised learning and its application for temperature prediction in roller hearth kiln. Journal of Process Control, 2021, 98, 18-29.	3.3	12
30	Multimodal process monitoring based on variational Bayesian PCA and Kullback-Leibler divergence between mixture models. Chemometrics and Intelligent Laboratory Systems, 2021, 210, 104230.	3.5	16
31	Hierarchical hybrid distributed PCA for plant-wide monitoring of chemical processes. Control Engineering Practice, 2021, 111, 104784.	5.5	34
32	Optimal operation of alumina proportioning and mixing process based on stochastic optimization approach. Control Engineering Practice, 2021, 113, 104855.	5.5	5
33	MLD-Based Thermal Behavior Analysis of Traction Converters Under Faulty Conditions. IEEE Transactions on Transportation Electrification, 2021, 7, 1058-1073.	7.8	5
34	A classification-driven neuron-grouped SAE for feature representation and its application to fault classification in chemical processes. Knowledge-Based Systems, 2021, 230, 107350.	7.1	17
35	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
36	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.	11.3	26

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37	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.	4.7	3
38	A Process Monitoring Method Based on Dynamic Autoregressive Latent Variable Model and Its Application in the Sintering Process of Ternary Cathode Materials. Machines, 2021, 9, 229.	2.2	6
39	An Industrial Multilevel Knowledge Graph-Based Local–Global Monitoring for Plant-Wide Processes. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	4.7	4
40	A Condition Prediction Method of Blast Furnace Based on Flame Morphology Information. , 2021, , .		0
41	A Distributed Dynamic Event-Triggered Control Approach to Consensus of Linear Multiagent Systems With Directed Networks. IEEE Transactions on Cybernetics, 2020, 50, 869-874.	9.5	237
42	Deep quality-related feature extraction for soft sensing modeling: A deep learning approach with hybrid VW-SAE. Neurocomputing, 2020, 396, 375-382.	5.9	78
43	Neurofuzzy-Based Plant-Wide Hierarchical Coordinating Optimization and Control: An Application to Zinc Hydrometallurgy Plant. IEEE Transactions on Industrial Electronics, 2020, 67, 2207-2219.	7.9	33
44	Hierarchical Quality-Relevant Feature Representation for Soft Sensor Modeling: A Novel Deep Learning Strategy. IEEE Transactions on Industrial Informatics, 2020, 16, 3721-3730.	11.3	176
45	Temperature prediction for roller kiln based on hybrid first-principle model and data-driven MW-DLWKPCR model. ISA Transactions, 2020, 98, 403-417.	5.7	48
46	A hybrid prediction model with a selectively updating strategy for iron removal process in zinc hydrometallurgy. Science China Information Sciences, 2020, 63, 1.	4.3	3
47	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.	7.9	69
48	A novel deep learning based fault diagnosis approach for chemical process with extended deep belief network. ISA Transactions, 2020, 96, 457-467.	5.7	280
49	Tracking Performance Limitations of MIMO Networked Control Systems With Multiple Communication Constraints. IEEE Transactions on Cybernetics, 2020, 50, 2982-2995.	9.5	32
50	Dynamic Optimization for Copper Removal Process With Continuous Production Constraints. IEEE Transactions on Industrial Informatics, 2020, 16, 7255-7263.	11.3	24
51	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.	1.7	60
52	Power scheduling optimization under single-valued neutrosophic uncertainty. Neurocomputing, 2020, 382, 12-20.	5.9	13
53	A comprehensive hybrid first principles/machine learning modeling framework for complex industrial processes. Journal of Process Control, 2020, 86, 30-43.	3.3	67
54	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.	4.7	23

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55	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.	11.3	63
56	Soft sensor model for dynamic processes based on multichannel convolutional neural network. Chemometrics and Intelligent Laboratory Systems, 2020, 203, 104050.	3.5	59
57	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
58	Transient fault diagnosis for traction control system based on optimal fractional-order method. ISA Transactions, 2020, 102, 365-375.	5.7	10
59	Compensation Method for Molten Iron Temperature Measurement Based on Heterogeneous Features of Infrared Thermal Images. IEEE Transactions on Industrial Informatics, 2020, 16, 7056-7066.	11.3	17
60	Fuzzy association rule-based set-point adaptive optimization and control for the flotation process. Neural Computing and Applications, 2020, 32, 14019-14029.	5.6	17
61	Multi-scale local LSSVM based spatiotemporal modeling and optimal control for the goethite process. Neurocomputing, 2020, 385, 88-99.	5.9	6
62	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
63	An ensemble justâ€inâ€time learning softâ€sensor model for residual lithium concentration prediction of ternary cathode materials. Journal of Chemometrics, 2020, 34, e3225.	1.3	3
64	Cooperative output regulation of singular multi-agent systems under adaptive distributed protocol and general entirety method. Systems and Control Letters, 2020, 138, 104628.	2.3	4
65	3D Topography Measurement and Completion Method of Blast Furnace Burden Surface Using High-Temperature Industrial Endoscope. IEEE Sensors Journal, 2020, 20, 6478-6491.	4.7	18
66	Distributed dictionary learning for high-dimensional process monitoring. Control Engineering Practice, 2020, 98, 104386.	5.5	39
67	Stacked isomorphic autoencoder based soft analyzer and its application to sulfur recovery unit. Information Sciences, 2020, 534, 72-84.	6.9	38
68	pH prediction of a neutral leaching process using adaptive-network-based fuzzy inference system and reaction kinetics. IFAC-PapersOnLine, 2020, 53, 11901-11906.	0.9	2
69	Asymptotical Feedback Controllability of Continuous-time Probabilistic Logic Control Networks. , 2020, , .		1
70	Quality prediction model for process sequential data of irregular measurements with sampling-interval-attention LSTM. , 2020, , .		0
71	A Statistical Study on Parameter Selection of Operators in Continuous State Transition Algorithm. IEEE Transactions on Cybernetics, 2019, 49, 3722-3730.	9.5	59
72	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

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73	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
74	Shape-weighted bubble size distribution based reagent predictive control for the antimony flotation process. Chemometrics and Intelligent Laboratory Systems, 2019, 192, 103821.	3.5	12
75	Finite-time asynchronous sliding mode control for Markovian jump systems. Automatica, 2019, 109, 108503.	5.0	76
76	Hybrid fuzzy control for the goethite process in zinc production plant combining type-1 and type-2 fuzzy logics. Neurocomputing, 2019, 366, 170-177.	5.9	19
77	A two-layer optimization and control strategy for zinc hydrometallurgy process based on RBF neural network soft-sensor. , 2019, , .		1
78	Distributed containment control for firstâ€order and secondâ€order multiagent systems with arbitrarily bounded delays. International Journal of Robust and Nonlinear Control, 2019, 29, 6657-6657.	3.7	0
79	Fault detection in flotation processes based on deep learning and support vector machine. Journal of Central South University, 2019, 26, 2504-2515.	3.0	31
80	Modeling of goethite iron precipitation process based on time-delay fuzzy gray cognitive network. Journal of Central South University, 2019, 26, 63-74.	3.0	3
81	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
82	Data-driven-based adaptive fuzzy neural network control for the antimony flotation plant. Journal of the Franklin Institute, 2019, 356, 5944-5960.	3.4	21
83	Open-Circuit Fault Analysis and Modeling for Power Converter Based on Single Arm Model. Electronics (Switzerland), 2019, 8, 633.	3.1	10
84	On-line prediction of ferrous ion concentration in goethite process based on self-adjusting structure RBF neural network. Neural Networks, 2019, 116, 1-10.	5.9	24
85	Adaptive Neural-Network-Based Control for a Class of Nonlinear Systems With Unknown Output Disturbance and Time Delays. IEEE Access, 2019, 7, 7702-7716.	4.2	13
86	Reagent Dosage Control for the Antimony Flotation Process Based on Froth Size Pdf Tracking and an Index Predictive Model. Journal of Mining Science, 2019, 55, 452-468.	0.6	4
87	Containment Control for Discrete-Time Multiagent Systems With Communication Delays and Switching Topologies. IEEE Transactions on Cybernetics, 2019, 49, 3827-3830.	9.5	42
88	A Novel Method for Compensating Temperature Measurement Error Caused by Dust Using Infrared Thermal Imager. IEEE Sensors Journal, 2019, 19, 1730-1739.	4.7	11
89	Distributed Containment Control of Continuous-Time Multiagent Systems With Nonconvex Control Input Constraints. IEEE Transactions on Industrial Electronics, 2019, 66, 7927-7934.	7.9	42
90	A Distributed Canonical Correlation Analysis-Based Fault Detection Method for Plant-Wide Process Monitoring. IEEE Transactions on Industrial Informatics, 2019, 15, 2710-2720.	11.3	110

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91	Distributed containment control for first‐order and second‐order multiagent systems with arbitrarily bounded delays. International Journal of Robust and Nonlinear Control, 2019, 29, 1122-1131.	3.7	20
92	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.	4.7	64
93	A Cumulative Canonical Correlation Analysis-Based Sensor Precision Degradation Detection Method. IEEE Transactions on Industrial Electronics, 2019, 66, 6321-6330.	7.9	63
94	Distributed Optimization With Nonconvex Velocity Constraints, Nonuniform Position Constraints, and Nonuniform Stepsizes. IEEE Transactions on Automatic Control, 2019, 64, 2575-2582.	5.7	81
95	Dynamic optimization based on state transition algorithm for copper removal process. Neural Computing and Applications, 2019, 31, 2827-2839.	5.6	26
96	Data fusion based on‐line product quality evaluation of ternary cathode material cyber‐physical systems. IET Cyber-Physical Systems: Theory and Applications, 2019, 4, 353-364.	3.3	1
97	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
98	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.	4.7	68
99	A Three-Phase Grid-Connected Microinverter for AC Photovoltaic Module Applications. IEEE Transactions on Power Electronics, 2018, 33, 7721-7732.	7.9	28
100	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
101	Passivity-Based Asynchronous Sliding Mode Control for Delayed Singular Markovian Jump Systems. IEEE Transactions on Automatic Control, 2018, 63, 2715-2721.	5.7	186
102	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.	3.0	10
103	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
104	Coordinated optimization setting of reagent dosages in roughing-scavenging process of antimony flotation. Journal of Central South University, 2018, 25, 95-106.	3.0	5
105	Fractional-order PID controller tuning using continuous state transition algorithm. Neural Computing and Applications, 2018, 29, 795-804.	5.6	49
106	Controllable-Domain-Based Fuzzy Rule Extraction for Copper Removal Process Control. IEEE Transactions on Fuzzy Systems, 2018, 26, 1744-1756.	9.8	20
107	A dynamic state transition algorithm with application to sensor network localization. Neurocomputing, 2018, 273, 237-250.	5.9	46
108	Distributed parameter modeling and optimal control of the oxidation rate in the iron removal process. Journal of Process Control, 2018, 61, 47-57.	3.3	12

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109	Distributed Consensus of Second-Order Multiagent Systems With Nonconvex Velocity and Control Input Constraints. IEEE Transactions on Automatic Control, 2018, 63, 1171-1176.	5.7	101
110	Fault Detection for Non-Gaussian Processes Using Generalized Canonical Correlation Analysis and Randomized Algorithms. IEEE Transactions on Industrial Electronics, 2018, 65, 1559-1567.	7.9	246
111	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.	7.9	144
112	A method for improving the accuracy of infrared thermometry under the influence of dust. IFAC-PapersOnLine, 2018, 51, 246-250.	0.9	2
113	Finite-time formation of multiple agents based on multiple virtual leaders. International Journal of Systems Science, 2018, 49, 3448-3458.	5.5	4
114	Adaptive Fuzzy Sliding Mode Control for Translational Oscillator With Rotating Actuator: A Fuzzy Model. IEEE Access, 2018, 6, 55861-55869.	4.2	20
115	A novel variable selection method based on stability and variable permutation for multivariate calibration. Chemometrics and Intelligent Laboratory Systems, 2018, 182, 188-201.	3.5	14
116	Edge and texture detection of metal image under high temperature and dynamic solidification condition. Journal of Central South University, 2018, 25, 1501-1512.	3.0	7
117	An Automatic Algorithm to Generate a Reachability Tree for Large-Scale Fuzzy Petri Net by And/Or Graph. Symmetry, 2018, 10, 454.	2.2	3
118	Exponential Stability Analysis for Delayed Semi-Markovian Recurrent Neural Networks: A Homogeneous Polynomial Approach. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6374-6384.	11.3	73
119	Stability and Set Stability in Distribution of Probabilistic Boolean Networks. IEEE Transactions on Automatic Control, 2018, , 1-1.	5.7	39
120	Coordinated Optimization for the Descent Gradient of Technical Index in the Iron Removal Process. IEEE Transactions on Cybernetics, 2018, 48, 3313-3322.	9.5	9
121	A data-driven optimal control approach for solution purification process. Journal of Process Control, 2018, 68, 171-185.	3.3	24
122	Weighted-coupling CSTR modeling and model predictive control with parameter adaptive correction for the goethite process. Journal of Process Control, 2018, 68, 254-267.	3.3	17
123	A Bidirectional Diagnosis Algorithm of Fuzzy Petri Net Using Inner-Reasoning-Path. Symmetry, 2018, 10, 192.	2.2	9
124	A Novel Cognitively Inspired State Transition Algorithm for Solving the Linear Bi-Level Programming Problem. Cognitive Computation, 2018, 10, 816-826.	5.2	22
125	Set-Point Tracking and Multi-Objective Optimization-Based PID Control for the Goethite Process. IEEE Access, 2018, 6, 36683-36698.	4.2	45
126	A new multi-threshold image segmentation approach using state transition algorithm. Applied Mathematical Modelling, 2017, 44, 588-601.	4.2	59

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127	A novel Minkowski-distance-based consensus clustering algorithm. International Journal of Automation and Computing, 2017, 14, 33-44.	4.5	8
128	A Three-Level T-Type Indirect Matrix Converter Based on the Third-Harmonic Injection Technique. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 841-853.	5.4	29
129	Probabilistic density-based regression model for soft sensing of nonlinear industrial processes. Journal of Process Control, 2017, 57, 15-25.	3.3	34
130	Interactive image segmentation with a regression based ensemble learning paradigm. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 1002-1020.	2.6	8
131	Dynamic multi-objective optimization arising in iron precipitation of zinc hydrometallurgy. Hydrometallurgy, 2017, 173, 134-148.	4.3	42
132	Dynamic modeling and optimal control of goethite process based on the rate-controlling step. Control Engineering Practice, 2017, 58, 54-65.	5.5	23
133	Adaptive neural control for a class of stochastic nonlinear systems with unknown parameters, unknown nonlinear functions and stochastic disturbances. Neurocomputing, 2017, 226, 101-108.	5.9	27
134	Optimal tracking performance of discrete-time systems with quantization. Journal of Nonlinear Science and Applications, 2017, 10, 1873-1880.	1.0	3
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137	Temperature control for thermal treatment of aluminum alloy in a large-scale vertical quench furnace. Journal of Central South University, 2016, 23, 1719-1728.	3.0	10
138	Reagent optimization for on-line simultaneous polarographic determination of trace amounts of Cu^{2+}, Cd^{2+} and Co^{2+} in the presence of anextremely large excess of Zn^{2+}. Journal of Central South University, 2016, 23, 2199-2204.	3.0	4
139	Temperature Uniformity Control of Large-Scale Vertical Quench Furnaces for Aluminum Alloy Thermal Treatment. IEEE Transactions on Control Systems Technology, 2016, 24, 24-39.	5.2	28
140	Working condition recognition based on an improved NGLDM and interval data-based classifier for the antimony roughing process. Minerals Engineering, 2016, 86, 1-9.	4.3	26
141	Discrete state transition algorithm for unconstrained integer optimization problems. Neurocomputing, 2016, 173, 864-874.	5.9	64
142	State-transition-algorithm-based resolution for overlapping linear sweep voltammetric peaks with high signal ratio. Chemometrics and Intelligent Laboratory Systems, 2016, 151, 61-70.	3.5	21
143	Evaluation strategy for the control of the copper removal process based on oxidation–reduction potential. Chemical Engineering Journal, 2016, 284, 294-304.	12.7	29
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145	A discussion of the control of nonferrous metallurgical processesâ—â—This paper is financially support by Science Fund for Creative Research Groups of the National Natural Science Foundation of China,	0.9	6
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147	Hybrid modeling of an industrial grinding-classification process. Powder Technology, 2015, 279, 75-85.	4.2	17
148	A gradient optimization scheme for solution purification process. Control Engineering Practice, 2015, 44, 89-103.	5.5	19
149	Set stability and set stabilization of Boolean control networks based on invariant subsets. Automatica, 2015, 61, 106-112.	5.0	214
150	An integrated predictive model with an on-line updating strategy for iron precipitation in zinc hydrometallurgy. Hydrometallurgy, 2015, 151, 62-72.	4.3	49
151	Nonlinear system identification and control using state transition algorithm. Applied Mathematics and Computation, 2014, 226, 169-179.	2.2	74
152	An efficient multi-PCA based on-line monitoring scheme for multi-stages imperial smelting process. International Journal of Control, Automation and Systems, 2013, 11, 317-324.	2.7	9
153	Neural adaptive PSD decoupling controller and its application in three-phase electrode adjusting system of submerged arc furnace. Journal of Central South University, 2013, 20, 405-412.	3.0	7
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155	Kinetic Modeling and Parameter Estimation for Competing Reactions in Copper Removal Process from Zinc Sulfate Solution. Industrial & Engineering Chemistry Research, 2013, 52, 17074-17086.	3.7	39
156	Color co-occurrence matrix based froth image texture extraction for mineral flotation. Minerals Engineering, 2013, 46-47, 60-67.	4.3	65
157	Recognition of the operational statuses of reagent addition using dynamic bubble size distribution in copper flotation process. Minerals Engineering, 2013, 45, 128-141.	4.3	36
158	Core set analysis in inconsistent decision tables. Information Sciences, 2013, 241, 138-147.	6.9	8
159	Further result on decentralized stabilization via saturated delayed feedback. , 2013, , .		0
160	Solving the Transient Cost-Related Optimization Problem for Copper Flash Smelting Process with Legendre Pseudospectral Method. Materials Transactions, 2013, 54, 350-356.	1.2	3
161	Simple saturated designs for ANCBC systems and extension to feedforward nonlinear systems. International Journal of Control, 2012, 85, 1838-1850.	1.9	5
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163	Breakage Distribution Estimation of Bauxite Based on Piecewise Linearized Breakage Rate. Chinese Journal of Chemical Engineering, 2012, 20, 1198-1205.	3.5	5
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165	Node deployment strategy optimization for wireless sensor network with mobile base station. Journal of Central South University, 2012, 19, 453-458.	3.0	5
166	Low latency systolic multipliers for finite field GF (2 m) based on irreducible polynomials. Journal of Central South University, 2012, 19, 1283-1289.	3.0	6
167	Decentralized stabilization of large-scale feedforward systems using saturated delayed controls. Automatica, 2012, 48, 89-94.	5.0	35
168	Stability analysis and design of reset control systems with discrete-time triggering conditions. Automatica, 2012, 48, 528-535.	5.0	46
169	Flotation process fault detection using output PDF of bubble size distribution. Minerals Engineering, 2012, 26, 5-12.	4.3	58
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178	Decentralized robust Hâˆž output feedback control for value bounded uncertain large-scale interconnected systems. International Journal of Control, Automation and Systems, 2010, 8, 16-28.	2.7	15
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