

# Wei-hua Gui

## List of Publications by Year in descending order

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225  
papers

6,658  
citations

57758

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82547

72  
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226  
all docs

226  
docs citations

226  
times ranked

3951  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Set stability and set stabilization of Boolean control networks based on invariant subsets. Automatica, 2015, 61, 106-112.	5.0	214
6	Passivity-Based Asynchronous Sliding Mode Control for Delayed Singular Markovian Jump Systems. IEEE Transactions on Automatic Control, 2018, 63, 2715-2721.	5.7	186
7	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
8	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
9	State transition algorithm. Journal of Industrial and Management Optimization, 2012, 8, 1039-1056.	1.3	137
10	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
11	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
12	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
13	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
14	Distributed Optimization With Nonconvex Velocity Constraints, Nonuniform Position Constraints, and Nonuniform Stepsizes. IEEE Transactions on Automatic Control, 2019, 64, 2575-2582.	5.7	81
15	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
16	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
17	Finite-time asynchronous sliding mode control for Markovian jump systems. Automatica, 2019, 109, 108503.	5.0	76
18	Nonlinear system identification and control using state transition algorithm. Applied Mathematics and Computation, 2014, 226, 169-179.	2.2	74

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19	Improvement of State Feedback Controller Design for Networked Control Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 464-468.	3.0	73
20	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
21	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
22	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
23	A comprehensive hybrid first principles/machine learning modeling framework for complex industrial processes. Journal of Process Control, 2020, 86, 30-43.	3.3	67
24	Color co-occurrence matrix based froth image texture extraction for mineral flotation. Minerals Engineering, 2013, 46-47, 60-67.	4.3	65
25	Discrete state transition algorithm for unconstrained integer optimization problems. Neurocomputing, 2016, 173, 864-874.	5.9	64
26	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
27	A Cumulative Canonical Correlation Analysis-Based Sensor Precision Degradation Detection Method. IEEE Transactions on Industrial Electronics, 2019, 66, 6321-6330.	7.9	63
28	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
29	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
30	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
31	A new multi-threshold image segmentation approach using state transition algorithm. Applied Mathematical Modelling, 2017, 44, 588-601.	4.2	59
32	A Statistical Study on Parameter Selection of Operators in Continuous State Transition Algorithm. IEEE Transactions on Cybernetics, 2019, 49, 3722-3730.	9.5	59
33	Soft sensor model for dynamic processes based on multichannel convolutional neural network. Chemometrics and Intelligent Laboratory Systems, 2020, 203, 104050.	3.5	59
34	Flotation process fault detection using output PDF of bubble size distribution. Minerals Engineering, 2012, 26, 5-12.	4.3	58
35	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
36	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

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37	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
38	An integrated predictive model with an on-line updating strategy for iron precipitation in zinc hydrometallurgy. Hydrometallurgy, 2015, 151, 62-72.	4.3	49
39	Fractional-order PID controller tuning using continuous state transition algorithm. Neural Computing and Applications, 2018, 29, 795-804.	5.6	49
40	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
41	Two-Stage Matrix Converter Based on Third-Harmonic Injection Technique. IEEE Transactions on Power Electronics, 2016, 31, 533-547.	7.9	47
42	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
43	Stability analysis and design of reset control systems with discrete-time triggering conditions. Automatica, 2012, 48, 528-535.	5.0	46
44	A dynamic state transition algorithm with application to sensor network localization. Neurocomputing, 2018, 273, 237-250.	5.9	46
45	Set-Point Tracking and Multi-Objective Optimization-Based PID Control for the Goethite Process. IEEE Access, 2018, 6, 36683-36698.	4.2	45
46	Dynamic multi-objective optimization arising in iron precipitation of zinc hydrometallurgy. Hydrometallurgy, 2017, 173, 134-148.	4.3	42
47	Containment Control for Discrete-Time Multiagent Systems With Communication Delays and Switching Topologies. IEEE Transactions on Cybernetics, 2019, 49, 3827-3830.	9.5	42
48	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
49	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
50	Stability and Set Stability in Distribution of Probabilistic Boolean Networks. IEEE Transactions on Automatic Control, 2018, , 1-1.	5.7	39
51	Distributed dictionary learning for high-dimensional process monitoring. Control Engineering Practice, 2020, 98, 104386.	5.5	39
52	Stacked isomorphic autoencoder based soft analyzer and its application to sulfur recovery unit. Information Sciences, 2020, 534, 72-84.	6.9	38
53	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
54	Decentralized stabilization of large-scale feedforward systems using saturated delayed controls. Automatica, 2012, 48, 89-94.	5.0	35

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55	Probabilistic density-based regression model for soft sensing of nonlinear industrial processes. <i>Journal of Process Control</i> , 2017, 57, 15-25.	3.3	34
56	Pinning Control for Stabilization of Boolean Networks Under Knock-Out Perturbation. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 1550-1557.	5.7	34
57	Hierarchical hybrid distributed PCA for plant-wide monitoring of chemical processes. <i>Control Engineering Practice</i> , 2021, 111, 104784.	5.5	34
58	Fault-tolerant scheduling for real-time embedded control systems. <i>Journal of Computer Science and Technology</i> , 2004, 19, 191-202.	1.5	33
59	Global Stability of a Variation Epidemic Spreading Model on Complex Networks. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-8.	1.1	33
60	Neurofuzzy-Based Plant-Wide Hierarchical Coordinating Optimization and Control: An Application to Zinc Hydrometallurgy Plant. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 2207-2219.	7.9	33
61	Nonparametric density estimation of froth colour texture distribution for monitoring sulphur flotation process. <i>Minerals Engineering</i> , 2013, 53, 203-212.	4.3	32
62	Tracking Performance Limitations of MIMO Networked Control Systems With Multiple Communication Constraints. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 2982-2995.	9.5	32
63	Fault detection in flotation processes based on deep learning and support vector machine. <i>Journal of Central South University</i> , 2019, 26, 2504-2515.	3.0	31
64	Fault classification method for inverter based on hybrid support vector machines and wavelet analysis. <i>International Journal of Control, Automation and Systems</i> , 2011, 9, 797-804.	2.7	30
65	Minimal observability of Boolean networks. <i>Science China Information Sciences</i> , 2022, 65, 1.	4.3	30
66	Evaluation strategy for the control of the copper removal process based on oxidation-reduction potential. <i>Chemical Engineering Journal</i> , 2016, 284, 294-304.	12.7	29
67	A Three-Level T-Type Indirect Matrix Converter Based on the Third-Harmonic Injection Technique. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2017, 5, 841-853.	5.4	29
68	Temperature Uniformity Control of Large-Scale Vertical Quench Furnaces for Aluminum Alloy Thermal Treatment. <i>IEEE Transactions on Control Systems Technology</i> , 2016, 24, 24-39.	5.2	28
69	A Three-Phase Grid-Connected Microinverter for AC Photovoltaic Module Applications. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 7721-7732.	7.9	28
70	Initial Version of State Transition Algorithm. , 2011, , .		27
71	Adaptive neural control for a class of stochastic nonlinear systems with unknown parameters, unknown nonlinear functions and stochastic disturbances. <i>Neurocomputing</i> , 2017, 226, 101-108.	5.9	27
72	A Hybrid Control Strategy for Real-Time Control of the Iron Removal Process of the Zinc Hydrometallurgy Plants. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 5278-5288.	11.3	27

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73	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
74	Dynamic optimization based on state transition algorithm for copper removal process. Neural Computing and Applications, 2019, 31, 2827-2839.	5.6	26
75	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
76	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
77	A data-driven optimal control approach for solution purification process. Journal of Process Control, 2018, 68, 171-185.	3.3	24
78	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
79	Dynamic Optimization for Copper Removal Process With Continuous Production Constraints. IEEE Transactions on Industrial Informatics, 2020, 16, 7255-7263.	11.3	24
80	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
81	Dynamic modeling and optimal control of goethite process based on the rate-controlling step. Control Engineering Practice, 2017, 58, 54-65.	5.5	23
82	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
83	Wet grindability of an industrial ore and its breakage parameters estimation using population balances. International Journal of Mineral Processing, 2011, 98, 113-117.	2.6	22
84	A Novel Cognitively Inspired State Transition Algorithm for Solving the Linear Bi-Level Programming Problem. Cognitive Computation, 2018, 10, 816-826.	5.2	22
85	Data-driven Operational-pattern Optimization for Copper Flash Smelting Process. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 35, 717-724.	0.3	22
86	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
87	An Energy-Balanced Data Gathering Algorithm for Linear Wireless Sensor Networks. International Journal of Wireless Information Networks, 2010, 17, 42-53.	2.7	21
88	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
89	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
90	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

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91	Controllable-Domain-Based Fuzzy Rule Extraction for Copper Removal Process Control. IEEE Transactions on Fuzzy Systems, 2018, 26, 1744-1756.	9.8	20
92	Adaptive Fuzzy Sliding Mode Control for Translational Oscillator With Rotating Actuator: A Fuzzy Model. IEEE Access, 2018, 6, 55861-55869.	4.2	20
93	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
94	Admissible Consensus for Homogenous Descriptor Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 965-974.	9.3	20
95	A gradient optimization scheme for solution purification process. Control Engineering Practice, 2015, 44, 89-103.	5.5	19
96	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
97	A novel learning-based asynchronous sliding mode control for discrete-time semi-Markov jump systems. Automatica, 2022, 143, 110428.	5.0	19
98	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
99	Tracking Performance Limitations of Networked Control Systems With Repeated Zeros and Poles. IEEE Transactions on Automatic Control, 2021, 66, 1902-1909.	5.7	18
100	Compensation for secondary uncertainty in electro-hydraulic servo system by gain adaptive sliding mode variable structure control. Central South University, 2008, 15, 256-263.	0.5	17
101	Hybrid modeling of an industrial grinding-classification process. Powder Technology, 2015, 279, 75-85.	4.2	17
102	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
103	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
104	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
105	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
106	A new transformation into state transition algorithm for finding the global minimum. , 2011, , .		16
107	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
108	Decentralized robust $H^\infty$ 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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109	A novel variable selection method based on stability and variable permutation for multivariate calibration. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018, 182, 188-201.	3.5	14
110	Multiobjective-Based Optimization and Control for Iron Removal Process Under Dynamic Environment. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 569-577.	11.3	14
111	Two-Stream Deep Feature-Based Froth Flotation Monitoring Using Visual Attention Clues. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-14.	4.7	14
112	Clustering-driven watershed adaptive segmentation of bubble image. <i>Central South University</i> , 2010, 17, 1049-1057.	0.5	13
113	Adaptive Neural-Network-Based Control for a Class of Nonlinear Systems With Unknown Output Disturbance and Time Delays. <i>IEEE Access</i> , 2019, 7, 7702-7716.	4.2	13
114	Power scheduling optimization under single-valued neutrosophic uncertainty. <i>Neurocomputing</i> , 2020, 382, 12-20.	5.9	13
115	Energy-Hole Avoidance Routing Algorithm for WSN. , 2008, , .		12
116	Synchronization in Dynamic Networks with Time-varying Delay Coupling Based on Linear Feedback Controllers. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2010, 36, 1766-1772.	1.5	12
117	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
118	Shape-weighted bubble size distribution based reagent predictive control for the antimony flotation process. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2019, 192, 103821.	3.5	12
119	Compensation Method for the Influence of Dust in Optical Path on Infrared Temperature Measurement. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-11.	4.7	12
120	Angle-Based Analysis Approach for Distributed Constrained Optimization. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 5569-5576.	5.7	12
121	A hybrid model combining mechanism with semi-supervised learning and its application for temperature prediction in roller hearth kiln. <i>Journal of Process Control</i> , 2021, 98, 18-29.	3.3	12
122	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
123	Smart manufacturing of nonferrous metallurgical processes: Review and perspectives. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2022, 29, 611-625.	4.9	11
124	Robust decentralized $H_{\infty}$ control for interconnected descriptor systems with norm-bounded uncertainties. <i>Asian Journal of Control</i> , 2009, 11, 78-88.	3.0	10
125	Temperature control for thermal treatment of aluminum alloy in a large-scale vertical quench furnace. <i>Journal of Central South University</i> , 2016, 23, 1719-1728.	3.0	10
126	The Method of Reagent Control Based on Time Series Distribution of Bubble Size in a Gold-Antimony Flotation Process. <i>Asian Journal of Control</i> , 2018, 20, 2223-2236.	3.0	10



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127	Open-Circuit Fault Analysis and Modeling for Power Converter Based on Single Arm Model. Electronics (Switzerland), 2019, 8, 633.	3.1	10
128	Containment Problem for Multiagent Systems With Nonconvex Velocity Constraints. IEEE Transactions on Cybernetics, 2021, 51, 4716-4721.	9.5	10
129	Transient fault diagnosis for traction control system based on optimal fractional-order method. ISA Transactions, 2020, 102, 365-375.	5.7	10
130	Design of decoupling Smith control for multivariable system with time delays. Journal of Central South University, 2011, 18, 473-478.	3.0	9
131	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
132	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
133	A Bidirectional Diagnosis Algorithm of Fuzzy Petri Net Using Inner-Reasoning-Path. Symmetry, 2018, 10, 192.	2.2	9
134	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
135	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
136	An integrated modeling method for prediction of sulfur content in agglomerate. Central South University, 2003, 10, 145-150.	0.5	8
137	Robust reliable control for a class of time-varying uncertain impulsive systems. Central South University, 2005, 12, 199-202.	0.5	8
138	Niching method using clustering crowding. Central South University, 2005, 12, 203-209.	0.5	8
139	Core set analysis in inconsistent decision tables. Information Sciences, 2013, 241, 138-147.	6.9	8
140	A novel Minkowski-distance-based consensus clustering algorithm. International Journal of Automation and Computing, 2017, 14, 33-44.	4.5	8
141	Interactive image segmentation with a regression based ensemble learning paradigm. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 1002-1020.	2.6	8
142	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
143	Improved PSO algorithm and its application. Central South University, 2005, 12, 222-226.	0.5	7
144	Research on Energy Hole Problem for Wireless Sensor Networks Based on Alternation between Dormancy and Work. , 2008, , .		7

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145	Memory State Feedback Control for Singular Systems with Multiple Internal Incommensurate Constant Point Delays. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2009, 35, 174-179.	1.5	7
146	Neural adaptive PSD decoupling controller and its application in three-phase electrode adjusting system of submerged arc furnace. <i>Journal of Central South University</i> , 2013, 20, 405-412.	3.0	7
147	Edge and texture detection of metal image under high temperature and dynamic solidification condition. <i>Journal of Central South University</i> , 2018, 25, 1501-1512.	3.0	7
148	Optimal Control of Chilled Water System With Ensemble Learning and Cloud Edge Terminal Implementation. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 7839-7848.	11.3	7
149	Voltage and Current Sensor Fault Diagnosis Method for Traction Converter with Two Stator Current Sensors. <i>Sensors</i> , 2022, 22, 2355.	3.8	7
150	Decentralized H $\infty$ state feedback control for large-scale interconnected uncertain systems with multiple delays. <i>Central South University</i> , 2004, 11, 93-97.	0.5	6
151	Multi-objective intelligent coordinating optimization blending system based on qualitative and quantitative synthetic model. <i>Central South University</i> , 2006, 13, 552-557.	0.5	6
152	Low latency systolic multipliers for finite field GF (2 <sup>m</sup> ) based on irreducible polynomials. <i>Journal of Central South University</i> , 2012, 19, 1283-1289.	3.0	6
153	A discussion of the control of nonferrous metallurgical processes—This paper is financially support by Science Fund for Creative Research Groups of the National Natural Science Foundation of China,	0.9	6
154	Online estimation of impurity ion concentration in solution purification process. <i>IFAC-PapersOnLine</i> , 2016, 49, 178-183.	0.9	6
155	Multi-scale local LSSVM based spatiotemporal modeling and optimal control for the goethite process. <i>Neurocomputing</i> , 2020, 385, 88-99.	5.9	6
156	Stability of Boolean networks with state-dependent random impulses. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2021, 22, 222-231.	2.6	6
157	Influence of Charging Parameters on the Burden Flow Velocity and Distribution on the Blast Furnace Chute Based on Discrete Element Method. <i>Steel Research International</i> , 2022, 93, 2100332.	1.8	6
158	A Process Monitoring Method Based on Dynamic Autoregressive Latent Variable Model and Its Application in the Sintering Process of Ternary Cathode Materials. <i>Machines</i> , 2021, 9, 229.	2.2	6
159	Robust Decentralized H $\infty$ Control of Interconnected Systems: A Design Method Using Homotopy. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004, 37, 317-323.	0.4	5
160	Simple saturated designs for ANCBC systems and extension to feedforward nonlinear systems. <i>International Journal of Control</i> , 2012, 85, 1838-1850.	1.9	5
161	Breakage Distribution Estimation of Bauxite Based on Piecewise Linearized Breakage Rate. <i>Chinese Journal of Chemical Engineering</i> , 2012, 20, 1198-1205.	3.5	5
162	Node deployment strategy optimization for wireless sensor network with mobile base station. <i>Journal of Central South University</i> , 2012, 19, 453-458.	3.0	5

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163	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
164	Optimal operation of alumina proportioning and mixing process based on stochastic optimization approach. Control Engineering Practice, 2021, 113, 104855.	5.5	5
165	MLD-Based Thermal Behavior Analysis of Traction Converters Under Faulty Conditions. IEEE Transactions on Transportation Electrification, 2021, 7, 1058-1073.	7.8	5
166	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
167	On-line forecasting model for zinc output based on self-tuning support vector regression and its application. Central South University, 2004, 11, 461-464.	0.5	4
168	Intelligent fault diagnosis in lead-zinc smelting process. International Journal of Automation and Computing, 2007, 4, 135-140.	4.5	4
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