Tianyou Chai

List of Publications by Year
in descending order

173 papers	6,492 citations	50170 46 h-index	82410 72 g-index
174 all docs	174 docs citations	174 times ranked	3584 citing authors

#	ARTICLE	IF	CITATIONS
1	Global finite-time stabilization of a class of switched nonlinear systems with the powers of positive odd rational numbers. Automatica, 2015, 54, 360-373.	3.0	406
2	Light Field Image Processing: An Overview. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 926-954.	7.3	385
3	Output-feedback adaptive optimal control of interconnected systems based on robust adaptive dynamic programming. Automatica, 2016, 72, 37-45.	3.0	195
4	Generalized Multitasking for Evolutionary Optimization of Expensive Problems. IEEE Transactions on Evolutionary Computation, 2019, 23, 44-58.	7.5	168
5	Light Field Reconstruction Using Deep Convolutional Network on EPI. , 2017, , .		141
6	Sampled-data-based stabilization of switched linear neutral systems. Automatica, 2016, 72, 92-99.	3.0	140
7	Off-Policy Reinforcement Learning for Synchronization in Multiagent Graphical Games. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2434-2445.	7.2	140
8	Stabilization of Switched Linear Neutral Systems: An Event-Triggered Sampling Control Scheme. IEEE Transactions on Automatic Control, 2018, 63, 3537-3544.	3.6	139
9	Adaptive Finite-Time Stabilization of a Class of Uncertain Nonlinear Systems via Logic-Based Switchings. IEEE Transactions on Automatic Control, 2017, 62, 5998-6003.	3.6	131
10	Networked Multirate Output Feedback Control for Setpoints Compensation and Its Application to Rougher Flotation Process. IEEE Transactions on Industrial Electronics, 2014, 61, 460-468.	5.2	129
11	Heterogeneous Ensemble-Based Infill Criterion for Evolutionary Multiobjective Optimization of Expensive Problems. IEEE Transactions on Cybernetics, 2019, 49, 1012-1025.	6.2	129
12	Nonlinear multivariable adaptive control using multiple models and neural networks. Automatica, 2007, 43, 1101-1110.	3.0	126
13	Data-Driven Flotation Industrial Process Operational Optimal Control Based on Reinforcement Learning. IEEE Transactions on Industrial Informatics, 2018, 14, 1974-1989.	7.2	112
14	Optimal operational control for complex industrial processes. Annual Reviews in Control, 2014, 38, 81-92.	4.4	100
15	Off-Policy Interleaved Q -Learning: Optimal Control for Affine Nonlinear Discrete-Time Systems. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1308-1320.	7.2	95
16	Data-Driven Nonlinear Subspace Modeling for Prediction and Control of Molten Iron Quality Indices in Blast Furnace Ironmaking. IEEE Transactions on Control Systems Technology, 2017, 25, 1761-1774.	3.2	88
17	Light Field Reconstruction Using Convolutional Network on EPI and Extended Applications. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1681-1694.	9.7	87
18	Tracking Control for Linear Discrete-Time Networked Control Systems With Unknown Dynamics and Dropout. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4607-4620.	7.2	86

#	ARTICLE	IF	CITATIONS
19	Learning Sheared EPI Structure for Light Field Reconstruction. IEEE Transactions on Image Processing, 2019, 28, 3261-3273.	6.0	86
20	Hybrid intelligent control for optimal operation of shaft furnace roasting process. Control Engineering Practice, 2011, 19, 264-275.	3.2	82
21	Data-Driven Robust M-LS-SVR-Based NARX Modeling for Estimation and Control of Molten Iron Quality Indices in Blast Furnace Ironmaking. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4007-4021.	7.2	82
22	Data-Driven Monitoring and Diagnosing of Abnormal Furnace Conditions in Blast Furnace Ironmaking: An Integrated PCA-ICA Method. IEEE Transactions on Industrial Electronics, 2021, 68, 622-631.	5.2	79
23	Optimal Output Regulation of Linear Discrete-Time Systems With Unknown Dynamics Using Reinforcement Learning. IEEE Transactions on Cybernetics, 2020, 50, 3147-3156.	6.2	78
24	Integrated Network-Based Model Predictive Control for Setpoints Compensation in Industrial Processes. IEEE Transactions on Industrial Informatics, 2013, 9, 417-426.	7.2	73
25	Dual-Rate Operational Optimal Control for Flotation Industrial Process With Unknown Operational Model. IEEE Transactions on Industrial Electronics, 2019, 66, 4587-4599.	5.2	68
26	Dwell-Time-Based Observer Design for Unknown Input Switched Linear Systems Without Requiring Strong Detectability of Subsystems. IEEE Transactions on Automatic Control, 2017, 62, 4215-4221.	3.6	64
27	Multitasking Multiobjective Evolutionary Operational Indices Optimization of Beneficiation Processes. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1046-1057.	3.4	64
28	Multiobjective Production Planning Optimization Using Hybrid Evolutionary Algorithms for Mineral Processing. IEEE Transactions on Evolutionary Computation, 2011, 15, 487-514.	7.5	61
29	A novel adaptive dynamic programming based on tracking error for nonlinear discrete-time systems. Automatica, 2021, 129, 109687.	3.0	61
30	Data-Driven Robust RVFLNs Modeling of a Blast Furnace Iron-Making Process Using Cauchy Distribution Weighted M-Estimation. IEEE Transactions on Industrial Electronics, 2017, 64, 7141-7151.	5.2	60
31	Evolutionary Optimization of High-Dimensional Multiobjective and Many-Objective Expensive Problems Assisted by a Dropout Neural Network. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2084-2097.	5.9	60
32	Data-Driven Optimization Control for Safety Operation of Hematite Grinding Process. IEEE Transactions on Industrial Electronics, 2015, 62, 2930-2941.	5.2	58
33	Cooperative adaptive optimal output regulation of nonlinear discrete-time multi-agent systems. Automatica, 2020, 121, 109149.	3.0	58
34	Decentralized fractional-order backstepping fault-tolerant control of multi-UAVs against actuator faults and wind effects. Aerospace Science and Technology, 2020, 104, 105939.	2.5	58
35	Multiple models and neural networks based decoupling control of ball mill coal-pulverizing systems. Journal of Process Control, 2011, 21, 351-366.	1.7	57
36	Data-Based Multiobjective Plant-Wide Performance Optimization of Industrial Processes Under Dynamic Environments. IEEE Transactions on Industrial Informatics, 2016, 12, 454-465.	7.2	57

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37	Off-Policy Reinforcement Learning: Optimal Operational Control for Two-Time-Scale Industrial Processes. IEEE Transactions on Cybernetics, 2017, 47, 4547-4558.	6.2	57
38	EKF-Based Enhanced Performance Controller Design for Nonlinear Stochastic Systems. IEEE Transactions on Automatic Control, 2018, 63, 1155-1162.	3.6	56
39	Ensemble Stochastic Configuration Networks for Estimating Prediction Intervals: A Simultaneous Robust Training Algorithm and Its Application. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5426-5440.	7.2	52
40	Online Solution of Two-Player Zero-Sum Games for Continuous-Time Nonlinear Systems With Completely Unknown Dynamics. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2577-2587.	7.2	51
41	Data-Based Virtual Unmodeled Dynamics Driven Multivariable Nonlinear Adaptive Switching Control. IEEE Transactions on Neural Networks, 2011, 22, 2154-2172.	4.8	50
42	Nonzero-Sum Game Reinforcement Learning for Performance Optimization in Large-Scale Industrial Processes. IEEE Transactions on Cybernetics, 2020, 50, 4132-4145.	6.2	50
43	Fractional-Order Adaptive Fault-Tolerant Synchronization Tracking Control of Networked Fixed-Wing UAVs Against Actuator-Sensor Faults via Intelligent Learning Mechanism. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5539-5553.	7.2	50
44	Particle size estimate of grinding processes using random vector functional link networks with improved robustness. Neurocomputing, 2015, 169, 361-372.	3.5	49
45	Robust Adaptive Dynamic Programming of Two-Player Zero-Sum Games for Continuous-Time Linear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 3314-3319.	7.2	48
46	Dwell-Time-Based Standard H_∞ Control of Switched Systems Without Requiring Internal Stability of Subsystems. IEEE Transactions on Automatic Control, 2019, 64, 3019-3025.	3.6	48
47	Motion/force tracking control of nonholonomic mechanical systems via combining cascaded design and backstepping. Automatica, 2013, 49, 3682-3686.	3.0	47
48	A hybrid evolutionary multiobjective optimization strategy for the dynamic power supply problem in magnesia grain manufacturing. Applied Soft Computing Journal, 2013, 13, 2960-2969.	4.1	47
49	Composite Adaptive Disturbance Observer-Based Decentralized Fractional-Order Fault-Tolerant Control of Networked UAVs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 799-813.	5.9	45
50	Nussbaum-based finite-time fractional-order backstepping fault-tolerant flight control of fixed-wing UAV against input saturation with hardware-in-the-loop validation. Mechanical Systems and Signal Processing, 2021, 153, 107406.	4.4	44
51	Operational Control of Mineral Grinding Processes Using Adaptive Dynamic Programming and Reference Governor. IEEE Transactions on Industrial Informatics, 2019, 15, 2210-2221.	7.2	42
52	Distributed Bandit Online Convex Optimization With Time-Varying Coupled Inequality Constraints. IEEE Transactions on Automatic Control, 2021, 66, 4620-4635.	3.6	42
53	Knowledge-Based Global Operation of Mineral Processing Under Uncertainty. IEEE Transactions on Industrial Informatics, 2012, 8, 849-859.	7.2	40
54	Output Feedback Stabilization for a Class of Multi-Variable Bilinear Stochastic Systems With Stochastic Coupling Attenuation. IEEE Transactions on Automatic Control, 2017, 62, 2936-2942.	3.6	40

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55	Bounds on Delay Consensus Margin of Second-Order Multiagent Systems With Robust Position and Velocity Feedback Protocol. IEEE Transactions on Automatic Control, 2019, 64, 3780-3787.	3.6	34
56	Deep-Neural-Network-Based Economic Model Predictive Control for Ultrasupercritical Power Plant. IEEE Transactions on Industrial Informatics, 2020, 16, 5905-5913.	7.2	34
57	Adaptive Interleaved Reinforcement Learning: Robust Stability of Affine Nonlinear Systems With Unknown Uncertainty. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 270-280.	7.2	34
58	Distributed adaptive fault-tolerant close formation flight control of multiple trailing fixed-wing UAVs. ISA Transactions, 2020, 106, 181-199.	3.1	33
59	Data‐driven recursive subspace identification based online modelling for prediction and control of molten iron quality in blast furnace ironmaking. IET Control Theory and Applications, 2017, 11, 2343-2351.	1.2	32
60	New Methods for Optimal Operational Control of Industrial Processes Using Reinforcement Learning on Two Time Scales. IEEE Transactions on Industrial Informatics, 2020, 16, 3085-3099.	7.2	32
61	Output regulation for networked switched systems with alternate event-triggered control under transmission delays and packet losses. Automatica, 2021, 131, 109716.	3.0	32
62	Inverse Reinforcement Learning in Tracking Control Based on Inverse Optimal Control. IEEE Transactions on Cybernetics, 2022, 52, 10570-10581.	6.2	31
63	Motion Tracking Control Design for a Class of Nonholonomic Mobile Robot Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2150-2156.	5.9	30
64	Model-Free Optimal Output Regulation for Linear Discrete-Time Lossy Networked Control Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4033-4042.	5.9	30
65	Off-line Data-driven Multi-objective Optimization: Knowledge Transfer between Surrogates and Generation of Final Solutions. IEEE Transactions on Evolutionary Computation, 2020, , 1-1.	7.5	29
66	Singularity-Free Continuous Adaptive Control of Uncertain Underactuated Surface Vessels With Prescribed Performance. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5646-5655.	5.9	29
67	A new decoupling design of self-tuning multivariable generalized predictive control. International Journal of Adaptive Control and Signal Processing, 1999, 13, 183-196.	2.3	28
68	Modeling and Simulation of Whole Ball Mill Grinding Plant for Integrated Control. IEEE Transactions on Automation Science and Engineering, 2014, 11, 1004-1019.	3.4	27
69	Integrated Optimization for the Automation Systems of Mineral Processing. IEEE Transactions on Automation Science and Engineering, 2014, 11, 965-982.	3.4	27
70	A Comparative Study That Measures Ball Mill Load Parameters Through Different Single-Scale and Multiscale Frequency Spectra-Based Approaches. IEEE Transactions on Industrial Informatics, 2016, 12, 2008-2019.	7.2	27
71	An improved multi-source based soft sensor for measuring cement free lime content. Information Sciences, 2015, 323, 94-105.	4.0	26
72	Intelligent Demand Forecasting of Smelting Process Using Data-Driven and Mechanism Model. IEEE Transactions on Industrial Electronics, 2019, 66, 9745-9755.	5.2	25

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73	Off-Policy Reinforcement Learning for Tracking in Continuous-Time Systems on Two Time Scales. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4334-4346.	7.2	25
74	Spatial-Angular Attention Network for Light Field Reconstruction. IEEE Transactions on Image Processing, 2021, 30, 8999-9013.	6.0	25
75	Fractional order PID-based adaptive fault-tolerant cooperative control of networked unmanned aerial vehicles against actuator faults and wind effects with hardware-in-the-loop experimental validation. Control Engineering Practice, 2021, 114, 104861.	3.2	24
76	Modeling error PDF optimization based wavelet neural network modeling of dynamic system and its application in blast furnace ironmaking. Neurocomputing, 2018, 285, 167-175.	3.5	23
77	Revisiting Light Field Rendering with Deep Anti-Aliasing Neural Network. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	23
78	Distributed Fractional-Order Intelligent Adaptive Fault-Tolerant Formation-Containment Control of Two-Layer Networked Unmanned Airships for Safe Observation of a Smart City. IEEE Transactions on Cybernetics, 2022, 52, 9132-9144.	6.2	23
79	Dynamic performance enhancement for nonlinear stochastic systems using RBF driven nonlinear compensation with extended Kalman filter. Automatica, 2020, 112, 108693.	3.0	22
80	An improved constraint satisfaction adaptive neural network for job-shop scheduling. Journal of Scheduling, 2010, 13, 17-38.	1.3	21
81	Survey on higher-level advanced control for grinding circuits operation. Powder Technology, 2016, 288, 324-338.	2.1	21
82	A Data-Driven Dual-Rate Control Method for a Heat Exchanging Process. IEEE Transactions on Industrial Electronics, 2017, 64, 4158-4168.	5.2	21
83	Data-Driven PID Controller and Its Application to Pulp Neutralization Process. IEEE Transactions on Control Systems Technology, 2018, 26, 828-841.	3.2	20
84	Off-policy Q-learning: Solving Nash equilibrium of multi-player games with network-induced delay and unmeasured state. Automatica, 2022, 136, 110076.	3.0	20
85	Intelligent control using multiple models and neural networks. International Journal of Adaptive Control and Signal Processing, 2008, 22, 495-509.	2.3	19
86	A hybrid intelligent optimal control method for complex flotation process. International Journal of Systems Science, 2009, 40, 945-960.	3.7	19
87	Distribution function tracking filter design using hybrid characteristic functions. Automatica, 2010, 46, 101-109.	3.0	19
88	Hardware-in-the-loop simulation platform for supervisory control of mineral grinding process. Powder Technology, 2016, 288, 422-434.	2.1	19
89	MPC-based setpoint compensation with unreliable wireless communications and constrained operational conditions. Neurocomputing, 2017, 270, 110-121.	3.5	19
90	A Novel Multimanifold Joint Projections Model for Multimode Process Monitoring. IEEE Transactions on Industrial Informatics, 2021, 17, 5961-5970.	7.2	19

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91	Delay Consensus Margin of First-Order Multiagent Systems With Undirected Graphs and PD Protocols. IEEE Transactions on Automatic Control, 2021, 66, 4192-4198.	3.6	19
92	Minimized coupling in probability sense for a class of multivariate dynamic stochastic control systems. , 2015, , .		18
93	Inverse Gaussian Process Modeling for Evolutionary Dynamic Multiobjective Optimization. IEEE Transactions on Cybernetics, 2022, 52, 11240-11253.	6.2	18
94	Inverse Reinforcement Learning for Adversarial Apprentice Games. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4596-4609.	7.2	18
95	Data-driven optimal control of operational indices for a class of industrial processes. IET Control Theory and Applications, 2016, 10, 1348-1356.	1.2	17
96	An Alternating Identification Algorithm for a Class of Nonlinear Dynamical Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1606-1617.	7.2	17
97	Resilient Cooperative Control for High-Speed Trains Under Denial-of-Service Attacks. IEEE Transactions on Vehicular Technology, 2021, 70, 12427-12436.	3.9	17
98	Estimation of effluent quality using PLS-based extreme learning machines. Neural Computing and Applications, 2013, 22, 509-519.	3.2	16
99	Data-based multiple-model prediction of the production rate for hematite ore beneficiation process. Control Engineering Practice, 2015, 45, 219-229.	3.2	16
100	Intelligent Prediction of Train Delay Changes and Propagation Using RVFLNs With Improved Transfer Learning and Ensemble Learning. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 7432-7444.	4.7	16
101	Characterizing PID Controllers for Linear Time-Delay Systems: A Parameter-Space Approach. IEEE Transactions on Automatic Control, 2021, 66, 4499-4513.	3.6	16
102	Predicting mill load using partial least squares and extreme learning machines. Soft Computing, 2012, 16, 1585-1594.	2.1	15
103	Distributed Kalman Consensus Filter for Estimation With Moving Targets. IEEE Transactions on Cybernetics, 2022, 52, 5242-5254.	6.2	15
104	Kalman Filter-Based Data-Driven Robust Model-Free Adaptive Predictive Control of a Complicated Industrial Process. IEEE Transactions on Automation Science and Engineering, 2021, , 1-16.	3.4	15
105	Robust Inverse Q-Learning for Continuous-Time Linear Systems in Adversarial Environments. IEEE Transactions on Cybernetics, 2022, 52, 13083-13095.	6.2	15
106	A Signal Compensation-Based Robust Swing-Up and Balance Control Method for the Pendubot. IEEE Transactions on Industrial Electronics, 2022, 69, 3007-3016.	5.2	15
107	Setpoint dynamic compensation via output feedback control with network induced time delays. , 2015, , .		14
108	An intelligent switching control for a mixed separation thickener process. Control Engineering Practice, 2016, 57, 61-71.	3.2	14

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109	Nonlinear Control Tools for Fused Magnesium Furnaces: Design and Implementation. IEEE Transactions on Industrial Electronics, 2018, 65, 7248-7257.	5.2	14
110	Geometric Analysis Based Double Closed-Loop Iterative Learning Control of Output PDF Shaping of Fiber Length Distribution in Refining Process. IEEE Transactions on Industrial Electronics, 2019, 66, 7229-7238.	5.2	13
111	Demand Forecasting of the Fused Magnesia Smelting Process With System Identification and Deep Learning. IEEE Transactions on Industrial Informatics, 2021, 17, 8387-8396.	7.2	13
112	Dynamic Scheduling, Operation Control and Their Integration in High-Speed Railways: A Review of Recent Research. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13994-14010.	4.7	13
113	Modeling for output fiber length distribution of refining process using wavelet neural networks trained by NSGA II and gradient based two-stage hybrid algorithm. Neurocomputing, 2017, 238, 24-32.	3.5	12
114	Hierarchical-Bayesian-Based Sparse Stochastic Configuration Networks for Construction of Prediction Intervals. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3560-3571.	7.2	12
115	Linear Convergence of First- and Zeroth-Order Primalâ€"Dual Algorithms for Distributed Nonconvex Optimization. IEEE Transactions on Automatic Control, 2022, 67, 4194-4201.	3.6	12
116	Hybrid intelligent control for regrinding process in hematite beneficiation. Control Engineering Practice, 2014, 22, 217-230.	3.2	11
117	Dual-Rate Adaptive Control for Mixed Separation Thickening Process Using Compensation Signal Based Approach. IEEE Transactions on Industrial Electronics, 2018, 65, 3621-3632.	5.2	11
118	Evolutionary Optimization Under Uncertainty: The Strategies to Handle Varied Constraints for Fluid Catalytic Cracking Operation. IEEE Transactions on Cybernetics, 2022, 52, 2249-2262.	6.2	11
119	Observer-Based Composite Adaptive Type-2 Fuzzy Control for PEMFC Air Supply Systems. IEEE Transactions on Fuzzy Systems, 2022, 30, 515-529.	6.5	11
120	Data-Driven H_∞ Optimal Output Feedback Control for Linear Discrete-Time Systems Based on Off-Policy Q-Learning. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3553-3567.	7.2	11
121	Data-Driven Inverse Reinforcement Learning Control for Linear Multiplayer Games. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 2028-2041.	7.2	11
122	Intelligent optimal control system for ball mill grinding process. Journal of Control Theory and Applications, 2013, 11, 454-462.	0.8	9
123	Data-driven demand forecasting method for fused magnesium furnaces. , 2016, , .		9
124	Dual-Rate Adaptive Optimal Tracking Control for Dense Medium Separation Process Using Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4202-4216.	7.2	9
125	Hardware-in-the-Loop Multiobjective Extremum-Seeking Control of Mineral Grinding. IEEE Transactions on Control Systems Technology, 2021, 29, 961-971.	3.2	9
126	Distributed Adaptive Fault-Tolerant Time-Varying Formation Control of Unmanned Airships With Limited Communication Ranges Against Input Saturation for Smart City Observation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1891-1904.	7.2	9

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127	Quality-related process monitoring of ironmaking blast furnace based on improved kernel orthogonal projection to latent structures. Control Engineering Practice, 2021, 117, 104955.	3.2	9
128	Neural-network-based two-loop control of robotic manipulators including actuator dynamics in task space. Journal of Control Theory and Applications, 2009, 7, 112-118.	0.8	8
129	An intelligent factory-wide optimal operation system for continuous production process. Enterprise Information Systems, 2016, 10, 286-302.	3.3	8
130	Dynamic Evolutionary Multiobjective Optimization for Raw Ore Allocation in Mineral Processing. IEEE Transactions on Emerging Topics in Computational Intelligence, 2018, , 1-13.	3.4	8
131	H_∞-Based Minimal Energy Adaptive Control With Preset Convergence Rate. IEEE Transactions on Cybernetics, 2022, 52, 10078-10088.	6.2	8
132	Online Learning of Minmax Solutions for Distributed Estimation and Tracking Control of Sensor Networks in Graphical Games. IEEE Transactions on Control of Network Systems, 2022, 9, 1923-1936.	2.4	8
133	Prediction of BOF Endpoint Temperature and Carbon Content. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 7039-7043.	0.4	7
134	Data-Driven Surrogate-Assisted Multi-Objective Optimization of Complex Beneficiation Operational Process. IFAC-PapersOnLine, 2017, 50, 14982-14987.	0.5	7
135	Constrained Operational Optimization of a Distillation Unit in Refineries With Varying Feedstock Properties. IEEE Transactions on Control Systems Technology, 2020, 28, 2752-2761.	3.2	7
136	Mesoscale Particle Size Predictive Model for Operational Optimal Control of Bauxite Ore Grinding Process. IEEE Transactions on Industrial Informatics, 2020, 16, 7714-7721.	7.2	7
137	DMGAN: Adversarial Learning-Based Decision Making for Human-Level Plant-Wide Operation of Process Industries Under Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 985-998.	7.2	7
138	Robustness Analysis of Distributed Kalman Filter for Estimation in Sensor Networks. IEEE Transactions on Cybernetics, 2022, 52, 12479-12490.	6.2	7
139	Event-Triggered Output Feedback Type-2 Fuzzy Control for Uncertain Steer-By-Wire Systems With Prespecified Tracking Performance. IEEE Transactions on Fuzzy Systems, 2022, 30, 3098-3112.	6.5	7
140	Hybrid adaptive control of nonlinear systems with non-Lipschitz nonlinearities. Systems and Control Letters, 2021, 156, 105012.	1.3	7
141	Global Finite-Time Output-Feedback Stabilization of Nonlinear Systems Under Relaxed Conditions. IEEE Transactions on Automatic Control, 2021, 66, 4259-4266.	3.6	6
142	Compensation-signal-driven control for a class of nonlinear uncertain systems. Automatica, 2021, 125, 109423.	3.0	6
143	Exponential Convergence for Distributed Optimization Under the Restricted Secant Inequality Condition. IFAC-PapersOnLine, 2020, 53, 2672-2677.	0.5	6
144	Joint Device Assignment and Power Allocation in Multihoming Heterogeneous Multicarrier NOMA Networks. IEEE Systems Journal, 2022, 16, 671-682.	2.9	6

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145	Delay Effect on First-Order Consensus over Directed Graphs: Optimizing PID Protocols for Maximal Robustness. SIAM Journal on Control and Optimization, 2022, 60, 233-258.	1.1	6
146	PRODUCTION PROCESS MANAGEMENT SYSTEM FOR PRODUCTION INDICES OPTIMIZATION OF MINERAL PROCESSING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 178-183.	0.4	5
147	Hybrid intelligent control of combustion process for ore-roasting furnace. Journal of Control Theory and Applications, 2008, 6, 80-85.	0.8	5
148	Model-Free Linear Discrete-Time System Hâˆž Control Using Input-Output Data. , 2018, , .		5
149	Dual-Rate Adaptive Decoupling Controller and Its Application to a Dual-Tank Water System. IEEE Transactions on Control Systems Technology, 2020, 28, 2515-2522.	3.2	5
150	A signal compensation based cascaded PI control for an industrial heat exchange system. Control Engineering Practice, 2020, 98, 104372.	3.2	5
151	Compensation-Signal-Based Dual-Rate Operational Feedback Decoupling Control for Flotation Processes. IEEE Transactions on Industrial Electronics, 2022, 69, 8306-8316.	5.2	5
152	Intelligent Control of Coal-Pulverizing Systems With Ball-Tube Mill. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 7214-7219.	0.4	4
153	Model Free Adaptive Predictive Control of Multivariate Molten Iron Quality in Blast Furnace Ironmaking. , 2018, , .		4
154	Set-Valued Feedback Control and Its Application to Event-Triggered Sampled-Data Systems. IEEE Transactions on Automatic Control, 2020, 65, 4965-4972.	3.6	4
155	Exact computation of maximal allowable delay for general secondâ€order multiâ€agents consensus. International Journal of Robust and Nonlinear Control, 2022, 32, 9681-9695.	2.1	4
156	Approximate Optimal Tracking Control of Nondifferentiable Signals for a Class of Continuous-Time Nonlinear Systems. IEEE Transactions on Cybernetics, 2022, 52, 4441-4450.	6.2	4
157	The hybrid intelligent control for the fused magnesia production. , 2009, , .		3
158	Multi-objective Hybrid Intelligent Optimization of Operational Indices for Industrial Processes and Application. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 10517-10522.	0.4	3
159	Dataâ€driven ALSâ€SVRâ€ARMA 2K modelling with AMPSO parameter optimisation for a high consistency refining system in papermaking. IET Control Theory and Applications, 2016, 10, 1620-1629.	1.2	3
160	Signal Compensation Based Adaptive Cascade Control for Regrinding Processes. IEEE Transactions on Industrial Electronics, 2020, 67, 8732-8742.	5.2	3
161	Denominator Assignment, Invariants, and Canonical Forms Under Dynamic Feedback Compensation in Linear Multivariable Nonsquare Systems. IEEE Transactions on Automatic Control, 2021, 66, 4903-4909.	3.6	3
162	High-Dimensional Data Global Sensitivity Analysis Based on Deep Soft Sensor Model. IEEE Transactions on Cybernetics, 2023, 53, 5741-5754.	6.2	3

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163	Approximate Scenario-Based Economic Model Predictive Control With Application to Wind Energy Conversion System. IEEE Transactions on Industrial Informatics, 2023, 19, 5821-5829.	7.2	3
164	Iterative learning based particle size distribution control in grinding process using output PDF method. , 2013, , .		2
165	Prediction method for energy consumption per ton of fused magnesium furnaces using data driven and mechanism model. Control Theory and Technology, 2019, 17, 24-36.	1.0	2
166	Mixed Event-Triggered Output Regulation for Networked Switched Systems With Unstable Switching Dynamics Under Long-Duration DoS Attacks. IEEE Transactions on Cybernetics, 2023, 53, 7150-7161.	6.2	2
167	Bounds on Delay Margin for Consensus of Second-Order Multi-Agent Systems. , 2018, , .		1
168	A Knowledge Transfer Based Scheduling Algorithm for Large-Scale Refinery Production. IEEE Transactions on Industrial Informatics, 2022, 18, 869-879.	7.2	1
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