Ning Chen

List of Publications by Year
in descending order

49 papers	571 citations	840776 11 h-index	610901 24 g-index

49 all docs	49 docs citations	49 times ranked	493 citing authors

#	Article	IF	Citations
1	Event-Triggered Optimal Control for Temperature Field of Roller Kiln Based on Adaptive Dynamic Programming. IEEE Transactions on Cybernetics, 2023, 53, 2805-2817.	9.5	8
2	Hybrid modeling and distributed optimization control method for the iron removal process. Journal of Industrial and Management Optimization, 2022, .	1.3	2
3	Design of a Non-Linear Observer for SOC of Lithium-Ion Battery Based on Neural Network. Energies, 2022, 15, 3835.	3.1	4
4	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
5	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
6	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
7	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
8	Asynchronous Fuzzy Cognitive Networks Modeling and Control for Goethite Iron Precipitation Process. Journal of Systems Science and Complexity, 2020, 33, 1422-1445.	2.8	1
9	Optimal Control of Iron-Removal Systems Based on Off-Policy Reinforcement Learning. IEEE Access, 2020, 8, 149730-149740.	4.2	5
10	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.	4.2	61
11	Multi-scale local LSSVM based spatiotemporal modeling and optimal control for the goethite process. Neurocomputing, 2020, 385, 88-99.	5.9	6
12	A Dynamic Grey-Box Model and its Application in the Sintering Process of Ternary Cathode Material. IFAC-PapersOnLine, 2020, 53, 11866-11871.	0.9	0
13	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
14	Distributed Model Predictive Control of Iron Precipitation Process by Goethite Based on Dual Iterative Method. International Journal of Control, Automation and Systems, 2019, 17, 1233-1245.	2.7	10
15	Enhancing the electrochemical and storage performance of Ni-based cathode materials by introducing spinel pillaring layer for lithium ion batteries. Solid State Ionics, 2019, 332, 41-46.	2.7	11
16	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
17	Suppressing the Voltage Decay and Enhancing the Electrochemical Performance of $Li_{1.2}Mn_{0.54}Co_{0.13}Ni_{0.13}O_2$ by Multifunctional Nb_2O_5 Coating. Energy Technology, 2018, 6, 2139-2145.	3.8	54
18	The role of a MnO2 functional layer on the surface of Ni-rich cathode materials: Towards enhanced chemical stability on exposure to air. Ceramics International, 2018, 44, 13341-13348.	4.8	44

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19	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
20	Visually enhanced situation awareness for complex manufacturing facility monitoring in smart factories. Journal of Visual Languages and Computing, 2018, 44, 58-69.	1.8	30
21	Estimation of Oxygen Concentration for Roller Kiln Based on Boundary Measurements. , 2018, , .		0
22	Research on Temperature Field Change Trend of the Sintering Process for Lithium-ion Battery Cathode Materials. IFAC-PapersOnLine, 2018, 51, 307-312.	0.9	7
23	Anchoring K^+ in Li^+ Sites of $LiNi_{0.8}Co_{0.15}Al_{0.05}O_2$ Cathode Material to Suppress its Structural Degradation During High-Voltage Cycling. Energy Technology, 2018, 6, 2358-2366.	3.8	64
24	Parametric Stabilization of Quantized Interconnected Systems with Application to Coupled Inverted Pendulums. Asian Journal of Control, 2015, 17, 1061-1069.	3.0	1
25	Color co-occurrence matrix based froth image texture extraction for mineral flotation. Minerals Engineering, 2013, 46-47, 60-67.	4.3	65
26	Switching control approach for parametric stabilization of nonlinear systems. , 2012, , .		1
27	Parametric stabilization of large-scale nonlinear systems. , 2012, , .		0
28	A blind watermarking algorithm based on singular value decomposition and quantization. , 2012, , .		2
29	Quantizer design for interconnected feedback control systems. Journal of Control Theory and Applications, 2010, 8, 93-98.	0.8	17
30	Decentralized H_∞ quantizers design for uncertain interconnected networked systems. , 2009, , .		0
31	Robust decentralized H_∞ control for interconnected descriptor systems with norm-bounded uncertainties. Asian Journal of Control, 2009, 11, 78-88.	3.0	10
32	Delay-independent decentralized H_∞ control for multi-channel discrete-time systems with uncertainties. Central South University, 2008, 15, 720-725.	0.5	0
33	A Blind Watermarking Algorithm for Color Image Based on Wavelet Transform and Fourier Transform. , 2008, , .		13
34	Controlled Clipper Method to Reduce PAPR by Tone Reservation in OFDM System. , 2008, , .		0
35	Delay-dependent robust decentralized H_∞ control for interconnected systems. , 2008, , .		0
36	Robust decentralized H_∞ control for multi-channel discrete-time systems. , 2008, , .		0

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37	Decentralized Generalized H<inf>2</inf> Control of Multi-Channel Uncertain Systems with Time-Delays. , 2008, , .		0
38	Robust Stabilization of Multi-Channel Descriptor Systems with Time-Delay Using Decentralized Output Feedback Control. , 2007, , .		0
39	Pitch Detection Algorithm Based on Teager Energy Operator and Spatial Correlation Function. , 2007, , .		0
40	Delay-Dependant Decentralized H, Filtering for Uncertain Interconnected Systems. , 2007, , .		0
41	Robust Decentralized H<sub>&#x0221E;</sub> Control for Discrete-Time Systems with Time-Delay Using Homotopy Method. , 2007, , .		0
42	Robust Decentralized Mixed H<inf>2</inf>/H<inf>Â¿</inf> Dynamic Output Control for Interconnected Systems. , 2007, , .		0
43	Robust decentralized H_{∞} control of multi-channel uncertain descriptor systems with time-delay. , 2007, , .		1
44	Robust decentralized H<inf>∞</inf> control of multi-channel discrete-time descriptor systems with time-delays. , 2007, , .		0
45	Fault-tolerant decentralized H-infinity control for multi-channel systems using homotopy method. Journal of Control Theory and Applications, 2007, 5, 77-82.	0.8	3
46	Guaranteed cost strategies of uncertain LQ closed-loop differential games with multiple players. , 2006, , .		2
47	Robust Decentralized H.. Control of Multi-Channel Descriptor Systems with Norm-Bounded Parametric Uncertainties. , 2006, , .		2
48	Design of robust decentralized H<inf>&#x221E;</inf> control for interconnected descriptor systems with norm-bounded parametric uncertainties. , 2006, , .		0
49	Decentralized Hâˇž state feedback control for large-scale interconnected uncertain systems with multiple delays. Central South University, 2004, 11, 93-97.	0.5	6