Miao Yu

List of Publications by Year
in descending order

99
papers	1,707
citations	331259
21
h-index	288905
40
g-index
99
all docs	99
docs citations	99
times ranked	1325
citing authors

#	Article	IF	Citations
1	Non-Intrusive Adaptive Load Identification Based on Siamese Network. IEEE Access, 2022, 10, 11564-11573.	2.6	16
2	Adaptive Non-Intrusive Load Monitoring Based on Feature Fusion. IEEE Sensors Journal, 2022, 22, 6985-6994.	2.4	14
3	An Improved Deadbeat Control Method for Second Harmonic Current Reduction in Two-Stage Single-Phase Inverter. , 2022, , .		0
4	A Harmonic Current Suppression Method for Single-Phase PWM Rectifier Based on Feedback Linearization. , 2022, , .		2
5	Optimized Two-Time Scale Robust Dispatching Method for the Multi-Terminal Soft Open Point in Unbalanced Active Distribution Networks. IEEE Transactions on Sustainable Energy, 2021, 12, 587-598.	5.9	43
6	A 16-Channel Dense Array for <i>In Vivo</i> Animal Cortical MRI/fMRI on 7T Human Scanners. IEEE Transactions on Biomedical Engineering, 2021, 68, 1611-1618.	2.5	9
7	Power management for dc microgrid cluster with renewable microgeneration. , 2021, , 265-284.		2
8	A Fuzzy-Based Evaluation Approach for Metering Schemes of Medium-Low Voltage DC Distribution Network. , 2021, , .		0
9	A multi-time scale energy management method for active distribution networks with multiple terminal soft open point. International Journal of Electrical Power and Energy Systems, 2021, 128, 106767.	3.3	19
10	Adaptive iterative learning control for discreteâ€time nonlinear systems with multiple iterationâ€varying highâ€order internal models. International Journal of Robust and Nonlinear Control, 2021, 31, 7390-7408.	2.1	11
11	Defense Optimization in Power Systems against False Data Injection Attacks. , 2021, , .		2
12	Output Synchronization for Networked Strict-feedback Systems in the Presence of Uncertainties. , 2021, , .		0
13	Optimization of Joint Cyber Topology Attack and FDIA in Electricity Market Considering Uncertainties. , 2021, , .		0
14	Distributed Adaptive Controller for Output-Synchronization of Networked Strict Feedback Systems with Dead-Zone Nonlinearity with Application in the Voltage Equalization Control of Ultra-Capacitor Type Power Source. , 2021, , .		0
15	Short-term Load Forecasting Based on Multi-model Fusion of CNN-LSTM-LGBM. , 2021, , .		4
16	Two-Stage Robust and Economic Scheduling for Electricity-Heat Integrated Energy System under Wind Power Uncertainty. Energies, 2021, 14, 8434.	1.6	3
17	A Comprehensive Suppression Strategy for Common Ground Circulating Current Caused by Grounding Fault in PV Modules. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3077-3089.	3.7	7
18	Decentralized Suppression Strategy of Circulating Currents Among IPOP Single-Phase DC/AC Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1571-1583.	3.7	6

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19	An Ideal DC Transformer for Active DC Distribution Networks Based on Constant-Transformation-Ratio DABC. IEEE Transactions on Power Electronics, 2020, 35, 2170-2183.	5.4	12
20	Impedance Modeling and Analysis of Three-Phase Voltage-Source Converters Viewing From DC Side. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3906-3916.	3.7	9
21	Decentralized Economic Operation Control for Hybrid AC/DC Microgrid. IEEE Transactions on Sustainable Energy, 2020, 11, 1898-1910.	5.9	25
22	Decentralized Bidirectional Voltage Supporting Control for Multi-Mode Hybrid AC/DC Microgrid. IEEE Transactions on Smart Grid, 2020, 11, 2615-2626.	6.2	39
23	Logic-Based Switching Control for Stabilization of Stochastic Feedforward Nonlinear Systems. IEEE Transactions on Automatic Control, 2020, 65, 4408-4415.	3.6	6
24	Impedance-Based Stability Analysis of Constant-Power-Source-Involved and Cascaded-Type DC Distributed Power Systems. IEEE Access, 2020, 8, 161223-161231.	2.6	4
25	DG-side earth fault tolerance enhancement based on topology improvement and common and differential mode control strategy. Journal of Power Electronics, 2020, 20, 1055-1065.	0.9	3
26	Fault tolerance enhancement of the PV module system by improving the topology and control strategy. IET Generation, Transmission and Distribution, 2020, 14, 975-985.	1.4	5
27	Decentralized and Per-Unit Primary Control Framework for DC Distribution Networks With Multiple Voltage Levels. IEEE Transactions on Smart Grid, 2020, 11, 3993-4004.	6.2	10
28	Decentralised coordinated energy management for hybrid AC/DC microgrid by using fuzzy control strategy. IET Renewable Power Generation, 2020, 14, 2649-2656.	1.7	17
29	Iteration-dependent High-order Internal Model based Iterative Learning Control for Discrete-time Nonlinear Systems with Time-iteration-varying Parameter. IFAC-PapersOnLine, 2020, 53, 1658-1663.	0.5	3
30	Iteration-dependent High-order Internal Model based Iterative Learning Control for Continuous-time Nonlinear Systems. , 2020, , .		1
31	Generation-Storage Coordination for Islanded DC Microgrids Dominated by PV Generators. IEEE Transactions on Energy Conversion, 2019, 34, 130-138.	3.7	79
32	Stability Analysis of PV Generators With Consideration of P&O-Based Power Control. IEEE Transactions on Industrial Electronics, 2019, 66, 6483-6492.	5.2	22
33	An improved cloud recognition and classification method for photovoltaic power prediction based on total‐sky‐images. Journal of Engineering, 2019, 2019, 4922-4926.	0.6	6
34	Stability Analysis and Compensator Design for PV Generators Based on Describing Function Method. , 2019, , .		1
35	Impact of grounding fault in PV modules on AC side and the suppression strategy based on 0‐axis control. IET Renewable Power Generation, 2019, 13, 2094-2104.	1.7	0
36	A Survey on High-Order Internal Model Based Iterative Learning Control. IEEE Access, 2019, 7, 127024-127031.	2.6	17

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37	A Robust Optimal Coordinated Droop Control Method for Multiple VSCs in AC–DC Distribution Network. IEEE Transactions on Power Systems, 2019, 34, 5002-5011.	4.6	27
38	Dynamic average consensus with topology balancing under a directed graph. International Journal of Robust and Nonlinear Control, 2019, 29, 3014-3026.	2.1	5
39	A delay triggered reactive power perturbation method for islanding detection of grid-connected PV power generation systems. , 2019, , .		2
40	Ultra-short-term PV power forecasting based on LSTM with PeepHoles connections. , 2019, , .		0
41	A survey of direct learning control. , 2019, , .		1
42	An Accurate Power-flow Control Method with Harmonic Compensation in Voltage-source-inverter Grid-tied System. , 2019, , .		1
43	Direct Learning Control of Trajectories Subject to Second-Order Internal Model for a Class of Nonlinear Systems. , 2019, , .		0
44	Describing Function Method Based Power Oscillation Analysis of LCL-Filtered Single-Stage PV Generators Connected to Weak Grid. IEEE Transactions on Power Electronics, 2019, 34, 8724-8738.	5.4	31
45	Circulating Currents Suppression for IPOP Nonisolated DC/DC Converters Based on Modified Topologies. IEEE Transactions on Power Electronics, 2019, 34, 1901-1913.	5.4	9
46	A Decentralized Coordination Control Method for Parallel Bidirectional Power Converters in a Hybrid AC–DC Microgrid. IEEE Transactions on Industrial Electronics, 2018, 65, 6217-6228.	5.2	94
47	Circulating Currents Suppression Based on Two Degrees of Freedom Control in DC Distribution Networks. IEEE Transactions on Power Electronics, 2018, 33, 10815-10825.	5.4	7
48	Modeling and Analysis of Circulating Currents Among Input-Parallel Output-Parallel Nonisolated Converters. IEEE Transactions on Power Electronics, 2018, 33, 8412-8426.	5.4	23
49	Discrete-time switching periodic adaptive control for time-varying parameters with unknown periodicity. International Journal of Control, 2018, 91, 1314-1324.	1.2	3
50	Power Management for a Hybrid AC/DC Microgrid With Multiple Subgrids. IEEE Transactions on Power Electronics, 2018, 33, 3520-3533.	5.4	185
51	Composite Energy Function-Based Spatial Iterative Learning Control in Motion Systems. IEEE Transactions on Control Systems Technology, 2018, 26, 1834-1841.	3.2	25
52	Decentralized Coordination Control for Parallel Bidirectional Power Converters in a Grid-Connected DC Microgrid. IEEE Transactions on Smart Grid, 2018, 9, 6850-6861.	6.2	86
53	Decentralized Multi-Time Scale Power Control for a Hybrid AC/DC Microgrid With Multiple Subgrids. IEEE Transactions on Power Electronics, 2018, 33, 4061-4072.	5.4	63
54	ADRC-based Longitudinal Control for Novel Flight Vehicle with Moving Mass. , 2018, , .		1

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55	State of Charge Based Decentralized Coordination Control for Multiple Bidirectional Power Converters in a Hybrid AC/DC Microgrid. , 2018, , .		1
56	Adaptive Iterative Learning Control Mechanism for Nonlinear Systems subject to High-Order Internal Model. , 2018, , .		1
57	Generation-Storage Coordination Control in DC Microgrids. , 2018, , .		2
58	Distributed Coordination Control Based on State-of-Charge for Bidirectional Power Converters in a Hybrid AC/DC Microgrid. Energies, 2018, 11, 1011.	1.6	6
59	On iterative learning control for MIMO nonlinear systems in the presence of time-iteration-varying parameters. Nonlinear Dynamics, 2017, 89, 2561-2571.	2.7	25
60	Decentralized Impedance Specifications for Small-Signal Stability of DC Distributed Power Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 1578-1588.	3.7	26
61	Robust Adaptive Iterative Learning Control for Discrete-Time Nonlinear Systems With Time-Iteration-Varying Parameters. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1737-1745.	5.9	105
62	Iterative learning control design with highâ€order internal model for discreteâ€time nonlinear systems. International Journal of Robust and Nonlinear Control, 2017, 27, 3158-3173.	2.1	15
63	Output synchronization of multiple FOSMIB power systems. , 2017, , .		0
64	Distributed Coordination Control for Multiple Bidirectional Power Converters in a Hybrid AC/DC Microgrid. IEEE Transactions on Power Electronics, 2017, 32, 4949-4959.	5.4	136
65	Chaos synchronization for uncertain fractional order chaotic systems based on Mittag-Leffler fractional sliding mode control. , 2017, , .		0
66	Hierarchical control for parallel bidirectional power converters of a grid-connected DC microgrid. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 2046-2057.	1.5	4
67	Adaptive control for discrete-time nonlinear systems with non-sector nonlinearities and unknown input gain. , 2017, , .		0
68	Logic-based switching nested saturation control for inverted pendulum. , 2017, , .		1
69	A discrete-time direct learning control scheme for magnitude-varying trajectories tracking. , 2017, , .		1
70	An iteration-varying dead-zone based robust adaptive ILC for discrete-time nonlinear systems with uncertainties. , 2017, , .		0
71	Switch State Identification Method of Intelligent Substation Based on Hough Transform and Decision Forest. , 2017, , .		0
72	Stability Analysis and Stability Enhancement Based on Virtual Harmonic Resistance for Meshed DC Distributed Power Systems with Constant Power Loads. Energies, 2017, 10, 69.	1.6	8

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73	Direct learning control of trajectories subject to high-order internal model for a class of continuous-time linear systems. , 2017, , .		1
74	An On-line Temperature Monitoring Device. , 2017, , .		1
75	Adaptive iterative learning control for discrete-time systems with non-repetitiveness. , 2016, , .		0
76	Robust adaptive iterative learning control for discrete-time nonlinear systems with both parametric and nonparametric uncertainties. International Journal of Adaptive Control and Signal Processing, 2016, 30, 972-985.	2.3	30
77	A switching periodic adaptive control approach for time-varying parameters with unknown periodicity. International Journal of Adaptive Control and Signal Processing, 2015, 29, 1526-1538.	2.3	1
78	Switching adaptive learning control for nonlinearly parameterized systems with disturbance of unknown periods. International Journal of Robust and Nonlinear Control, 2015, 25, 1327-1337.	2.1	19
79	A performance optimization algorithm for controller reconfiguration in fault tolerant distributed model predictive control. , 2015, , .		0
80	A high-order internal model based iterative learning control scheme for discrete linear time-varying systems. International Journal of Automation and Computing, 2015, 12, 330-336.	4.5	46
81	A performance optimization algorithm for controller reconfiguration in fault tolerant distributed model predictive control. Journal of Process Control, 2015, 34, 56-69.	1.7	21
82	A dynamic prognosis algorithm in distributed fault tolerant model predictive control. , 2014, , .		1
83	Discrete-time periodic adaptive control for parametric systems with non-sector nonlinearities. International Journal of Adaptive Control and Signal Processing, 2014, 28, 987-1001.	2.3	8
84	Feedback nonlinear discrete-time systems. International Journal of Systems Science, 2014, 45, 2251-2259.	3.7	11
85	A game theoretic approach for the distributed control of multi-agent systems under directed and time-varying topology. International Journal of Control, Automation and Systems, 2014, 12, 749-758.	1.6	11
86	Iterative Learning Control Design with High-Order Internal Model for Permanent Magnet Linear Motor. Communications in Computer and Information Science, 2014, , 208-217.	0.4	4
87	D-type anticipatory iterative learning control for a class of inhomogeneous heat equations. Automatica, 2013, 49, 2397-2408.	3.0	143
88	Robust adaptive repetitive learning control for a class of time-varying nonlinear systems with unknown control direction. Journal of Control Theory and Applications, 2013, 11, 336-342.	0.8	14
89	Logic switching based online periodic adaptive learning control algorithm dealing with unknown period and bound of the uncertain parameter. , 2013, , .		1
90	Discrete-time adaptive iterative learning control for high-order nonlinear systems with unknown control directions. International Journal of Control, 2013, 86, 299-308.	1.2	46

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91	Discrete-time adaptive learning control for parametric uncertainties with unknown periods. , 2013, , .		0
92	An iterative learning control approach for synchronization of multi-agent systems under iteration-varying graph. , 2013, , .		7
93	Output feedback adaptive iterative learning control for nonlinear discrete-time systems with unknown control directions. , 2012, , .		1
94	Discrete-time adaptive iterative learning control with unknown control directions. International Journal of Control, Automation and Systems, 2012, 10, 1111-1118.	1.6	21
95	Inverse optimal stabilization of cooperative control in networked multi-agent systems. , 2011, , .		2
96	Repetitive Learning Control for Nonlinear Systems with Unknown Control Directions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 4863-4867.	0.4	0
97	Repetitive learning control for triangular systems with unknown control directions. IET Control Theory and Applications, 2011, 5, 2045-2051.	1.2	27
98	Repetitive learning output-feedback control with unknown high-frequency gain sign. , 2011, , .		0
99	Power Oscillation Analysis of PMSG Wind Power Generation System Considering Power Control Nonlinearity. Frontiers in Energy Research, 0, 10, .	1.2	0