

# Miao Yu

## List of Publications by Year in descending order

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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	Power Management for a Hybrid AC/DC Microgrid With Multiple Subgrids. IEEE Transactions on Power Electronics, 2018, 33, 3520-3533.	5.4	185
2	D-type anticipatory iterative learning control for a class of inhomogeneous heat equations. Automatica, 2013, 49, 2397-2408.	3.0	143
3	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
4	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
5	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
6	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
7	Generation-Storage Coordination for Islanded DC Microgrids Dominated by PV Generators. IEEE Transactions on Energy Conversion, 2019, 34, 130-138.	3.7	79
8	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
9	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
10	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
11	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
12	Decentralized Bidirectional Voltage Supporting Control for Multi-Mode Hybrid AC/DC Microgrid. IEEE Transactions on Smart Grid, 2020, 11, 2615-2626.	6.2	39
13	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
14	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
15	Repetitive learning control for triangular systems with unknown control directions. IET Control Theory and Applications, 2011, 5, 2045-2051.	1.2	27
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Composite Energy Function-Based Spatial Iterative Learning Control in Motion Systems. IEEE Transactions on Control Systems Technology, 2018, 26, 1834-1841.	3.2	25
20	Decentralized Economic Operation Control for Hybrid AC/DC Microgrid. IEEE Transactions on Sustainable Energy, 2020, 11, 1898-1910.	5.9	25
21	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
22	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
23	Discrete-time adaptive iterative learning control with unknown control directions. International Journal of Control, Automation and Systems, 2012, 10, 1111-1118.	1.6	21
24	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
25	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
26	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
27	A Survey on High-Order Internal Model Based Iterative Learning Control. IEEE Access, 2019, 7, 127024-127031.	2.6	17
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	Non-Intrusive Adaptive Load Identification Based on Siamese Network. IEEE Access, 2022, 10, 11564-11573.	2.6	16
30	Iterative learning control design with high-order internal model for discrete-time nonlinear systems. International Journal of Robust and Nonlinear Control, 2017, 27, 3158-3173.	2.1	15
31	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
32	Adaptive Non-Intrusive Load Monitoring Based on Feature Fusion. IEEE Sensors Journal, 2022, 22, 6985-6994.	2.4	14
33	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
34	Feedback nonlinear discrete-time systems. International Journal of Systems Science, 2014, 45, 2251-2259.	3.7	11
35	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
36	Adaptive iterative learning control for discrete-time nonlinear systems with multiple iteration-varying high-order internal models. International Journal of Robust and Nonlinear Control, 2021, 31, 7390-7408.	2.1	11

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	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
41	Discrete-time periodic adaptive control for parametric systems with nonsector nonlinearities. International Journal of Adaptive Control and Signal Processing, 2014, 28, 987-1001.	2.3	8
42	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
43	An iterative learning control approach for synchronization of multi-agent systems under iteration-varying graph. , 2013, , .		7
44	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
45	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
46	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
47	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
48	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
49	Logic-Based Switching Control for Stabilization of Stochastic Feedforward Nonlinear Systems. IEEE Transactions on Automatic Control, 2020, 65, 4408-4415.	3.6	6
50	Dynamic average consensus with topology balancing under a directed graph. International Journal of Robust and Nonlinear Control, 2019, 29, 3014-3026.	2.1	5
51	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
52	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
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	Short-term Load Forecasting Based on Multi-model Fusion of CNN-LSTM-LGBM. , 2021, , .		4
56	Discrete-time switching periodic adaptive control for time-varying parameters with unknown periodicity. International Journal of Control, 2018, 91, 1314-1324.	1.2	3
57	DC-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
58	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
59	Two-Stage Robust and Economic Scheduling for Electricity-Heat Integrated Energy System under Wind Power Uncertainty. Energies, 2021, 14, 8434.	1.6	3
60	Inverse optimal stabilization of cooperative control in networked multi-agent systems. , 2011, , .		2
61	Generation-Storage Coordination Control in DC Microgrids. , 2018, , .		2
62	A delay triggered reactive power perturbation method for islanding detection of grid-connected PV power generation systems. , 2019, , .		2
63	Power management for dc microgrid cluster with renewable microgeneration. , 2021, , 265-284.		2
64	Defense Optimization in Power Systems against False Data Injection Attacks. , 2021, , .		2
65	A Harmonic Current Suppression Method for Single-Phase PWM Rectifier Based on Feedback Linearization. , 2022, , .		2
66	Output feedback adaptive iterative learning control for nonlinear discrete-time systems with unknown control directions. , 2012, , .		1
67	Logic switching based online periodic adaptive learning control algorithm dealing with unknown period and bound of the uncertain parameter. , 2013, , .		1
68	A dynamic prognosis algorithm in distributed fault tolerant model predictive control. , 2014, , .		1
69	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
70	Logic-based switching nested saturation control for inverted pendulum. , 2017, , .		1
71	A discrete-time direct learning control scheme for magnitude-varying trajectories tracking. , 2017, , .		1
72	Direct learning control of trajectories subject to high-order internal model for a class of continuous-time linear systems. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
73	An On-line Temperature Monitoring Device. , 2017, , .		1
74	ADRC-based Longitudinal Control for Novel Flight Vehicle with Moving Mass. , 2018, , .		1
75	State of Charge Based Decentralized Coordination Control for Multiple Bidirectional Power Converters in a Hybrid AC/DC Microgrid. , 2018, , .		1
76	Adaptive Iterative Learning Control Mechanism for Nonlinear Systems subject to High-Order Internal Model. , 2018, , .		1
77	Stability Analysis and Compensator Design for PV Generators Based on Describing Function Method. , 2019, , .		1
78	A survey of direct learning control. , 2019, , .		1
79	An Accurate Power-flow Control Method with Harmonic Compensation in Voltage-source-inverter Grid-tied System. , 2019, , .		1
80	Iteration-dependent High-order Internal Model based Iterative Learning Control for Continuous-time Nonlinear Systems. , 2020, , .		1
81	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
82	Repetitive learning output-feedback control with unknown high-frequency gain sign. , 2011, , .		0
83	Discrete-time adaptive learning control for parametric uncertainties with unknown periods. , 2013, , .		0
84	A performance optimization algorithm for controller reconfiguration in fault tolerant distributed model predictive control. , 2015, , .		0
85	Adaptive iterative learning control for discrete-time systems with non-repetitiveness. , 2016, , .		0
86	Output synchronization of multiple FOSMIB power systems. , 2017, , .		0
87	Chaos synchronization for uncertain fractional order chaotic systems based on Mittag-Leffler fractional sliding mode control. , 2017, , .		0
88	Adaptive control for discrete-time nonlinear systems with non-sector nonlinearities and unknown input gain. , 2017, , .		0
89	An iteration-varying dead-zone based robust adaptive ILC for discrete-time nonlinear systems with uncertainties. , 2017, , .		0
90	Switch State Identification Method of Intelligent Substation Based on Hough Transform and Decision Forest. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
91	Impact of grounding fault in PV modules on AC side and the suppression strategy based on $\alpha$ -axis control. IET Renewable Power Generation, 2019, 13, 2094-2104.	1.7	0
92	Ultra-short-term PV power forecasting based on LSTM with PeepHoles connections. , 2019, , .		0
93	Direct Learning Control of Trajectories Subject to Second-Order Internal Model for a Class of Nonlinear Systems. , 2019, , .		0
94	A Fuzzy-Based Evaluation Approach for Metering Schemes of Medium-Low Voltage DC Distribution Network. , 2021, , .		0
95	Output Synchronization for Networked Strict-feedback Systems in the Presence of Uncertainties. , 2021, , .		0
96	Optimization of Joint Cyber Topology Attack and FDIA in Electricity Market Considering Uncertainties. , 2021, , .		0
97	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
98	An Improved Deadbeat Control Method for Second Harmonic Current Reduction in Two-Stage Single-Phase Inverter. , 2022, , .		0
99	Power Oscillation Analysis of PMSG Wind Power Generation System Considering Power Control Nonlinearity. Frontiers in Energy Research, 0, 10, .	1.2	0