

Yaoyu Li

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

1,369
citations

18
h-index

36
g-index

84
ext. papers

1,657
ext. citations

4.2
avg, IF

4.85
L-index

#	Paper	IF	Citations
74	Trip-Based Optimal Power Management of Plug-in Hybrid Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 3393-3401	6.8	272
73	A review of recent advances in wind turbine condition monitoring and fault diagnosis 2009 ,		230
72	Sequential ESC-Based Global MPPT Control for Photovoltaic Array With Variable Shading. <i>IEEE Transactions on Sustainable Energy</i> , 2011 , 2, 348-358	8.2	122
71	Extremum seeking control of COP optimization for air-source transcritical CO ₂ heat pump water heater system. <i>Applied Energy</i> , 2015 , 147, 361-372	10.7	61
70	Maximizing Wind Turbine Energy Capture Using Multivariable Extremum Seeking Control. <i>Wind Engineering</i> , 2009 , 33, 361-387	1.2	57
69	Extremum seeking control of a tunable thermoacoustic cooler. <i>IEEE Transactions on Control Systems Technology</i> , 2005 , 13, 527-536	4.8	47
68	Dynamic modeling and self-optimizing operation of chilled water systems using extremum seeking control. <i>Energy and Buildings</i> , 2013 , 58, 172-182	7	39
67	Real-time optimization of a chilled water plant with parallel chillers based on extremum seeking control. <i>Applied Energy</i> , 2017 , 208, 766-781	10.7	38
66	Efficient Operation of Air-Side Economizer Using Extremum Seeking Control. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2010 , 132,	1.6	37
65	Extremum seeking control for efficient operation of hybrid ground source heat pump system. <i>Renewable Energy</i> , 2016 , 86, 332-346	8.1	34
64	Adaptive Estimation-Based Leakage Detection for a Wind Turbine Hydraulic Pitching System. <i>IEEE/ASME Transactions on Mechatronics</i> , 2012 , 17, 907-914	5.5	31
63	Trip Based Power Management of Plug-in Hybrid Electric Vehicle with Two-Scale Dynamic Programming 2007 ,		27
62	Detection of Internal Resistance Change for Photovoltaic Arrays Using Extremum-Seeking Control MPPT Signals. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 325-333	4.8	26
61	Self-optimizing control of air-source heat pump with multivariable extremum seeking. <i>Applied Thermal Engineering</i> , 2015 , 84, 180-195	5.8	21
60	Intermediate pressure optimization for two-stage air-source heat pump with flash tank cycle vapor injection via extremum seeking. <i>Applied Energy</i> , 2019 , 238, 612-626	10.7	20
59	Equalization integrated online monitoring of health map and worthiness of replacement for battery pack of electric vehicles. <i>Journal of Power Sources</i> , 2013 , 223, 293-305	8.9	19
58	Real-time minimization of power consumption for air-source transcritical CO ₂ heat pump water heater system. <i>International Journal of Refrigeration</i> , 2018 , 85, 395-408	3.8	18

57	Optimal power management of plug-in HEV with intelligent transportation system 2007 ,		18
56	Multi-model predictive control for wind turbine operation under meandering wake of upstream turbines. <i>Control Engineering Practice</i> , 2015 , 45, 37-45	3.9	16
55	Recent advances in dynamic modeling of HVAC equipment. Part 2: Modelica-based modeling. <i>HVAC and R Research</i> , 2014 , 20, 150-161		15
54	A Multivariable Newton-Based Extremum Seeking Control for Condenser Water Loop Optimization of Chilled-Water Plant. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	14
53	Trip Based Optimal Power Management of Plug-in Hybrid Electric Vehicle with Advanced Traffic Modeling. <i>SAE International Journal of Engines</i> , 2008 , 1, 861-872	2.4	14
52	Optimizing Energy Capture of Cascaded Wind Turbine Array With Nested-Loop Extremum Seeking Control. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	13
51	Recent advances in dynamic modeling of HVAC equipment. Part 1: Equipment modeling. <i>HVAC and R Research</i> , 2014 , 20, 136-149		13
50	Regime-switching based vehicle-to-building operation against electricity price spikes. <i>Energy Economics</i> , 2017 , 66, 1-8	8.3	10
49	Extremum seeking control for efficient operation of an air-source heat pump water heater with internal heat exchanger cycle vapor injection. <i>International Journal of Refrigeration</i> , 2019 , 99, 153-165	3.8	9
48	Stabilization of floating offshore wind turbines by artificial muscle based active mooring line force control 2016 ,		9
47	CART3 Field Tests for Wind Turbine Region-2 Operation With Extremum Seeking Controllers. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 1744-1752	4.8	8
46	Bumpless Transfer-Based Inter-Region Controller Switching of Wind Turbines for Reducing Power and Load Fluctuation. <i>IEEE Transactions on Sustainable Energy</i> , 2016 , 7, 23-31	8.2	7
45	Dual-loop self-optimizing robust control of wind power generation with Doubly-Fed Induction Generator. <i>ISA Transactions</i> , 2015 , 58, 409-20	5.5	7
44	Multi-variable extremum seeking control for a multi-functional variable refrigerant flow system. <i>Science and Technology for the Built Environment</i> , 2018 , 24, 382-395	1.8	7
43	Optimization and sequencing of chilled-water plant based on extremum seeking control 2016 ,		6
42	Pitch and Roll Motion Control of a Floating Wind Turbine With Hybrid Actuation 2014 ,		6
41	Real-time efficiency optimization of a cascade heat pump system via multivariable extremum seeking. <i>Applied Thermal Engineering</i> , 2020 , 176, 115399	5.8	5
40	The intermediate temperature optimization for cascade refrigeration system and air source heat pump via extreme seeking control. <i>International Journal of Refrigeration</i> , 2020 , 117, 150-162	3.8	5

39	Experimental evaluation of anti-windup extremum seeking control for airside economizers. <i>Control Engineering Practice</i> , 2016 , 50, 37-47	3.9	5
38	Active Vertical-Vane Control for Roll Motion of Floating Offshore Wind Turbine 2013 ,		5
37	Dual-driver standing wave tube: acoustic impedance matching with robust repetitive control. <i>IEEE Transactions on Control Systems Technology</i> , 2004 , 12, 869-880	4.8	5
36	Multi-objective Extremum Seeking Control for Enhancement of Wind Turbine Power Capture with Load Reduction. <i>Journal of Physics: Conference Series</i> , 2016 , 753, 052025	0.3	5
35	Experimental Evaluation of Extremum Seeking Based Region-2 Controller for CART3 Wind Turbine 2016 ,		5
34	Active Horizontal Vane Control for Stabilizing Platform Pitch Motion of Floating Offshore Turbines 2014 ,		4
33	Individual Pitch Control for Wind Turbine Load Reduction Including Wake Modeling. <i>Wind Engineering</i> , 2011 , 35, 715-738	1.2	4
32	Computationally Efficient Data-Driven Surge Map Modeling for Centrifugal Air Compressors. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	4
31	Platform Stabilization of Floating Offshore Wind Turbines by Artificial Muscle Based Active Mooring Line Force Control. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 25, 2765-2776	5.5	3
30	Discrimination of steady state and transient state of dither extremum seeking control via sinusoidal detection. <i>Mechanical Systems and Signal Processing</i> , 2016 , 76-77, 93-110	7.8	3
29	An extremum-seeking control method driven by input-output correlation. <i>Journal of Process Control</i> , 2017 , 58, 106-116	3.9	3
28	Optimal energy management of hybrid power system with two-scale dynamic programming 2011 ,		3
27	Self-Learning Based Centrifugal Compressor Surge Mapping With Computationally Efficient Adaptive Asymmetric Support Vector Machine. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2012 , 134,	1.6	3
26	Model-free control and staging for real-time energy efficient operation of a variable refrigerant flow system with multiple outdoor units. <i>Applied Thermal Engineering</i> , 2020 , 180, 115787	5.8	3
25	Platform stabilization and load reduction of floating offshore wind turbines with tension-leg platform using dynamic vibration absorbers. <i>Wind Energy</i> , 2020 , 23, 711-730	3.4	2
24	Nacelle anemometer measurement-based extremum-seeking wind turbine region-2 control for improved convergence in fluctuating wind. <i>Wind Energy</i> , 2020 , 23, 1118-1134	3.4	2
23	Mode switching control for a multi-functional variable refrigerant flow system. <i>Science and Technology for the Built Environment</i> , 2018 , 24, 418-434	1.8	2
22	Platform Stabilization and Load Reduction of Floating Offshore Wind Turbines using Dynamic Vibration Absorbers 2018 ,		2

21	A Multi-Variable Newton-Based Extremum Seeking Control for a Chilled Water Plant With Variable Water and Air Flow 2014 ,		2
20	Comparison of Several Self-Optimizing Control Methods for Efficient Operation for a Chilled Water Plant 2013 ,		2
19	Discrimination of Steady State and Transient State of Extremum Seeking Control via Sinusoidal Detection 2013 ,		2
18	Self-Optimizing Robust Control of Wind Power Generation With Doubly-Fed Induction Generator 2010 ,		2
17	Multiple Reference Frame-Based Torque Ripple Reduction in DFIG-DC System. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 4971-4983	7.2	2
16	ESC Based Optimal Stator Frequency Control of DFIG-DC System for Efficiency Enhancement 2018 ,		2
15	Active vertical vane control for stabilizing platform roll motion of floating offshore turbines. <i>Wind Energy</i> , 2018 , 21, 997-1010	3.4	2
14	Local self-optimizing control based on extremum seeking control. <i>Control Engineering Practice</i> , 2020 , 99, 104394	3.9	1
13	Real-Time Optimization of Wind Farm Energy Capture With Delay Compensated Nested-Loop Extremum Seeking Control 2017 ,		1
12	Input selection for multivariable extremum seeking control with application to real-time optimization of a chilled-water plant 2017 ,		1
11	Trip Specific Worthiness of Replacement of Individual Cells for Battery Pack in Electric Vehicles 2011 ,		1
10	Experimental Validation for the dp/dt Assumption of Heat Exchangers in Vapor Compression Refrigeration Cycles. <i>Journal of Heat Transfer</i> , 2012 , 134,	1.8	1
9	Integrated prognosis of AC servo motor driven linear actuator using Hidden Semi-Markov models 2009 ,		1
8	Recovery of energy losses using an online data-driven optimization technique. <i>Energy Conversion and Management</i> , 2020 , 225, 113339	10.6	1
7	2018 ,		1
6	Control Oriented Dynamic Modeling of a Tension-Leg Platform Based Floating Offshore Wind Turbine With Dynamic Vibration Absorbers 2018 ,		1
5	Hierarchical Model Predictive Control for the Fuel Cell Hybrid Electric Vehicles 2018 ,		1
4	Extremum-seeking control integrated online input selection with application to a chilled-water plant. <i>Science and Technology for the Built Environment</i> ,1-18	1.8	0

- 3 Power-setpoint extremum seeking control for maximizing wind power capture of turbine and farm operation. *Wind Engineering*, **2020**, 0309524X2097991 1.2 0
- 2 Dither extremum seeking control of a variable refrigerant flow system with equality constraint handling. *Science and Technology for the Built Environment*,1-18 1.8
- 1 A comparison of two extremum seeking control strategies based on simulation and laboratory tests for heat pump air conditioning. *Science and Technology for the Built Environment*, **2021**, 27, 641-655^{1.8}