

# Mohammad-Hassan Khooban

## List of Publications by Year in descending order

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189  
papers

6,567  
citations

44069

48  
h-index

88630

70  
g-index

191  
all docs

191  
docs citations

191  
times ranked

4100  
citing authors

#	ARTICLE	IF	CITATIONS
1	Virtual Hardware-in-the-Loop FMU Co-Simulation Based Digital Twins for Heating, Ventilation, and Air-Conditioning (HVAC) Systems. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 65-75.	4.9	9
2	Smart Extreme Fast Portable Charger for Electric Vehicles-Based Artificial Intelligence. IEEE Transactions on Circuits and Systems II: Express Briefs, 2023, 70, 586-590.	3.0	2
3	Adaptive Speed Control of Electric Vehicles Based on Multi-Agent Fuzzy Q-Learning. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 102-110.	4.9	5
4	Smart Sensor Control for Rehabilitation in Parkinson's Patients. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 267-275.	4.9	6
5	Stabilization of 5G Telecom Converter-Based Deep Type-3 Fuzzy Machine Learning Control for Telecom Applications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 544-548.	3.0	17
6	A New Passivity Preserving Model Order Reduction Method: Conic Positive Real Balanced Truncation Method. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2945-2953.	9.3	12
7	A New Parameter Tuning Technique for Noninteger Controllers in Low-Inertia Modern Power Grids. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2022, 3, 279-288.	3.9	12
8	A novel intelligent ultra-local model control-based type-II fuzzy for frequency regulation of multi-microgrids. Transactions of the Institute of Measurement and Control, 2022, 44, 1134-1148.	1.7	10
9	A New Hybrid Cascaded Switched-Capacitor Reduced Switch Multilevel Inverter for Renewable Sources and Domestic Loads. IEEE Access, 2022, 10, 14157-14183.	4.2	18
10	Phase Preserving Balanced Truncation for Order Reduction of Positive Real Systems. Automation, 2022, 3, 84-94.	2.3	1
11	Optimal Cascade Non-Integer Controller for Shunt Active Power Filter: Real-Time Implementation. Designs, 2022, 6, 32.	2.4	7
12	Direct current grid-based doubly-fed induction generator wind turbines: Real-time control and stability analysis. IET Power Electronics, 2022, 15, 1158-1173.	2.1	3
13	Smart Emergency EV-to-EV Portable Battery Charger. Inventions, 2022, 7, 45.	2.5	10
14	An intelligent sliding mode control for stabilization of parallel converters feeding CPLs in DC-microgrid. IET Power Electronics, 2022, 15, 1596-1606.	2.1	3
15	A Novel Deep Reinforcement Learning Controller Based Type-II Fuzzy System: Frequency Regulation in Microgrids. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 689-699.	4.9	75
16	An Intelligent Type-2 Fuzzy Stabilization of Multi-DC Nano Power Grids. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 854-859.	4.9	22
17	Resilient Frequency Control Design for Microgrids Under False Data Injection. IEEE Transactions on Industrial Electronics, 2021, 68, 2151-2162.	7.9	50
18	An Intelligent Non-Integer PID Controller-Based Deep Reinforcement Learning: Implementation and Experimental Results. IEEE Transactions on Industrial Electronics, 2021, 68, 3609-3618.	7.9	55

#	ARTICLE	IF	CITATIONS
19	Energy Management of a Zero-Emission Ferry Boat With a Fuel-Cell-Based Hybrid Energy System: Feasibility Assessment. IEEE Transactions on Industrial Electronics, 2021, 68, 1739-1748.	7.9	49
20	A Novel Deep Learning Controller for DC-DC Buck-Boost Converters in Wireless Power Transfer Feeding CPLs. IEEE Transactions on Industrial Electronics, 2021, 68, 6379-6384.	7.9	30
21	A Novel Nonlinear Deep Reinforcement Learning Controller for DC-DC Power Buck Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 6849-6858.	7.9	78
22	A Novel Stochastic Predictive Stabilizer for DC Microgrids Feeding CPLs. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1222-1232.	5.4	18
23	Machine Learning Approach Based on Ultra-Local Model Control for Treating Cancer Pain. IEEE Sensors Journal, 2021, 21, 8245-8252.	4.7	7
24	An Optimal Non-Integer Model Predictive Virtual Inertia Control in Inverter-Based Modern AC Power Grids-Based V2G Technology. IEEE Transactions on Energy Conversion, 2021, 36, 1336-1346.	5.2	24
25	Stochastic Model Predictive Energy Management in Hybrid Emission-Free Modern Maritime Vessels. IEEE Transactions on Industrial Informatics, 2021, 17, 5430-5440.	11.3	22
26	Reliability and Safety Improvement of Emission-Free Ships: Systemic Reliability-Centered Maintenance. IEEE Transactions on Transportation Electrification, 2021, 7, 256-266.	7.8	11
27	A Novel On-Board DC/DC Converter Controller Feeding Uncertain Constant Power Loads. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1233-1240.	5.4	33
28	Multi-microgrids with a Frequency Regulation-Based V2G Technology: Systems Analysis, Modeling, and Control. Power Systems, 2021, , 1-26.	0.5	0
29	A Safety-Driven Cost Optimization for the Real-Time Operation of a Hybrid Energy System. Lecture Notes in Networks and Systems, 2021, , 390-400.	0.7	0
30	Mixed Positive-Bounded Balanced Truncation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, , 1-1.	3.0	4
31	Mixed supply function Cournot equilibrium model of futures and day-ahead electricity markets. IET Generation, Transmission and Distribution, 2021, 15, 1640-1654.	2.5	2
32	A Linear Parameter Varying Control Approach for DC/DC Converters in All-Electric Boats. Complexity, 2021, 2021, 1-12.	1.6	3
33	Nonsingular Terminal Sliding Mode Control With Ultra-Local Model and Single Input Interval Type-2 Fuzzy Logic Control for Pitch Control of Wind Turbines. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 690-700.	13.1	22
34	An Adaptive ADRC Control for Parkinson's Patients Using Machine Learning. IEEE Sensors Journal, 2021, 21, 8670-8678.	4.7	12
35	A Novel Method for Stabilizing Buck-Boost Converters with CPL using Model Prediction Control. , 2021, , .		4
36	Delay-Dependent Stability Analysis of Modern Shipboard Microgrids. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 1693-1705.	5.4	13

#	ARTICLE	IF	CITATIONS
37	Model Order Reduction of Positive Real Systems Based on Mixed Gramian Balanced Truncation with Error Bounds. <i>Circuits, Systems, and Signal Processing</i> , 2021, 40, 5309-5327.	2.0	7
38	A Novel Nonsingular Terminal Sliding Mode Control-Based Double Interval Type-2 Fuzzy Systems: Real-Time Implementation. <i>Inventions</i> , 2021, 6, 40.	2.5	5
39	An Energy Efficient Solution for Fuel Cell Heat Recovery in Zero-Emission Ferry Boats: Deep Deterministic Policy Gradient. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 7571-7581.	6.3	11
40	A New Off-Board Electrical Vehicle Battery Charger: Topology, Analysis and Design. <i>Designs</i> , 2021, 5, 51.	2.4	6
41	Cost-effective control of Roll-on/Roll-off Emission-Free Ships. , 2021, , .		5
42	Intelligent and Fast Model-Free Sliding Mode Control for Shipboard DC Microgrids. <i>IEEE Transactions on Transportation Electrification</i> , 2021, 7, 1662-1671.	7.8	18
43	A survey on new trends of digital twin technology for power systems. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 41, 3873-3893.	1.4	12
44	Deep Learning-Based Energy Management of an All-Electric City Bus With Wireless Power Transfer. <i>IEEE Access</i> , 2021, 9, 43981-43990.	4.2	13
45	Time-delayed pith angle control of wind turbine systems-based Smith ultralocal model machine learning technique. , 2021, , 179-200.		0
46	A Novel Supervised Control Strategy for Interconnected DFIG-Based Wind Turbine Systems: MiL Validations. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021, 5, 962-971.	4.9	11
47	A New Transformer-Less Structure for a Boost DC-DC Converter with Suitable Voltage Stress. <i>Automation</i> , 2021, 2, 220-237.	2.3	4
48	A New Event-Triggered Type-3 Fuzzy Control System for Multi-Agent Systems: Optimal Economic Efficient Approach for Actuator Activating. <i>Electronics (Switzerland)</i> , 2021, 10, 3122.	3.1	9
49	TS Fuzzy Model-Based Controller Design for a Class of Nonlinear Systems Including Nonsmooth Functions. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 233-244.	9.3	21
50	A Novel Predictive Fuzzy Logic-Based Energy Management System for Grid-Connected and Off-Grid Operation of Residential Smart Microgrids. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020, 8, 1391-1404.	5.4	80
51	The Future 5G Network-Based Secondary Load Frequency Control in Shipboard Microgrids. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020, 8, 836-844.	5.4	62
52	Robust Self-Scheduling of Operational Processes for Industrial Demand Response Aggregators. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 1387-1395.	7.9	45
53	Robotic manipulator control based on an optimal fractional-order fuzzy PID approach: SiL real-time simulation. <i>Soft Computing</i> , 2020, 24, 3849-3860.	3.6	23
54	An Interleaved Bi-Directional AC-DC Converter With Reduced Switches and Reactive Power Control. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 132-136.	3.0	18

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55	A Novel Approach to Overcome the Limitations of Reliability Centered Maintenance Implementation on the Smart Grid Distance Protection System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 320-324.	3.0	10
56	A New Population-Based Optimization Method for Online Minimization of Voltage Harmonics in Islanded Microgrids. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1084-1088.	3.0	17
57	Islanded Microgrid Frequency Regulations Concerning the Integration of Tidal Power Units: Real-Time Implementation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1099-1103.	3.0	22
58	An Intelligent and Fast Controller for DC/DC Converter Feeding CPL in a DC Microgrid. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1104-1108.	3.0	50
59	Active Power Sharing and Frequency Recovery Control in an Islanded Microgrid With Nonlinear Load and Nondispatchable DG. IEEE Systems Journal, 2020, 14, 1058-1068.	4.6	31
60	A Close Loop Multi-Area Brain Stimulation Control for Parkinson's Patients Rehabilitation. IEEE Sensors Journal, 2020, 20, 2205-2213.	4.7	23
61	Robust sliding mode observer design for simultaneous fault reconstruction in perturbed Takagi-Sugeno fuzzy systems using non-quadratic stability analysis. JVC/Journal of Vibration and Control, 2020, 26, 1092-1105.	2.6	19
62	A New Intelligent Hybrid Control Approach for DC-DC Converters in Zero-Emission Ferry Ships. IEEE Transactions on Power Electronics, 2020, 35, 5832-5841.	7.9	60
63	A Cost-effective Scheduling Control for a Safety Critical Hybrid Power System. , 2020, , .		1
64	Energy Management of Hybrid Diesel/Battery Ships in Multidisciplinary Emission Policy Areas. Energies, 2020, 13, 4179.	3.1	15
65	A New Nonlinear Controller for Multilevel DC/DC Boost Converter. , 2020, , .		6
66	A Comparative Analysis of Optimal Operation Scenarios in Hybrid Emission-Free Ferry Ships. IEEE Transactions on Transportation Electrification, 2020, 6, 318-333.	7.8	44
67	Efficient and seamless power management of hybrid generation system based-on DFIG wind sources and microturbine in DC microgrid. Sustainable Energy, Grids and Networks, 2020, 23, 100367.	3.9	6
68	Digital Twins-Assisted Design of Next-Generation Advanced Controllers for Power Systems and Electronics: Wind Turbine as a Case Study. Inventions, 2020, 5, 19.	2.5	25
69	Fuzzy-Observer-Based Predictive Stabilization of DC Microgrids With Power Buffers Through an Imperfect 5G Network. IEEE Systems Journal, 2020, 14, 4025-4035.	4.6	11
70	Decentralised non-linear droop control to improve current sharing and voltage restoration in DCNG clusters. IET Power Electronics, 2020, 13, 248-255.	2.1	10
71	A Novel Deep Learning Backstepping Controller-Based Digital Twins Technology for Pitch Angle Control of Variable Speed Wind Turbine. Designs, 2020, 4, 15.	2.4	15
72	Model predictive energy management in hybrid ferry grids. Energy Reports, 2020, 6, 550-557.	5.1	19

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73	DC/DC Power Converter Control-Based Deep Machine Learning Techniques: Real-Time Implementation. IEEE Transactions on Power Electronics, 2020, 35, 9971-9977.	7.9	82
74	Simultaneous energy management and optimal components sizing of a zero-emission ferry boat. Journal of Energy Storage, 2020, 28, 101215.	8.1	52
75	Stabilization of DC Nanogrids Based on Non-Integer General Type-II Fuzzy System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3108-3112.	3.0	8
76	A Robust Shipboard DC-DC Power Converter Control: Concept Analysis and Experimental Results. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2612-2616.	3.0	7
77	An Efficient and Cost-Effective Power Scheduling in Zero-Emission Ferry Ships. Complexity, 2020, 2020, 1-12.	1.6	20
78	Reliable Power Scheduling of an Emission-Free Ship: Multiobjective Deep Reinforcement Learning. IEEE Transactions on Transportation Electrification, 2020, 6, 832-843.	7.8	60
79	IoT-Based DC/DC Deep Learning Power Converter Control: Real-Time Implementation. IEEE Transactions on Power Electronics, 2020, 35, 13621-13630.	7.9	35
80	Cost Effective Operation of a Hybrid Zero-Emission Ferry Ship. , 2020, , .		6
81	Sliding mode disturbance observer control based on adaptive synchronization in a class of fractional-order chaotic systems. International Journal of Adaptive Control and Signal Processing, 2019, 33, 462-474.	4.1	79
82	Non-fragile controller design of uncertain saturated polynomial fuzzy systems subjected to persistent bounded disturbance. Transactions of the Institute of Measurement and Control, 2019, 41, 842-858.	1.7	9
83	Secondary load frequency control for multi-microgrids: HiL real-time simulation. Soft Computing, 2019, 23, 5785-5798.	3.6	84
84	Optimization of radial unbalanced distribution networks in the presence of distribution generation units by network reconfiguration using harmony search algorithm. Neural Computing and Applications, 2019, 31, 7095-7109.	5.6	22
85	Hardware-in-the-loop simulation for the analyzing of smart speed control in highly nonlinear hybrid electric vehicle. Transactions of the Institute of Measurement and Control, 2019, 41, 458-467.	1.7	17
86	Design of Quadratic D-Stable Fuzzy Controller for DC Microgrids With Multiple CPLs. IEEE Transactions on Industrial Electronics, 2019, 66, 4805-4812.	7.9	68
87	A New Adaptive Type-II Fuzzy-Based Deep Reinforcement Learning Control: Fuel Cell Air-Feed Sensors Control. IEEE Sensors Journal, 2019, 19, 9081-9089.	4.7	41
88	Real-Time Cellular Wireless Sensor Testbed for Frequency Regulation in Smart Grids. IEEE Sensors Journal, 2019, 19, 11656-11665.	4.7	15
89	Optimal Non-Integer Sliding Mode Control for Frequency Regulation in Stand-Alone Modern Power Grids. Applied Sciences (Switzerland), 2019, 9, 3411.	2.5	35
90	Robust Non-Fragile Fuzzy Control of Uncertain DC Microgrids Feeding Constant Power Loads. IEEE Transactions on Power Electronics, 2019, 34, 11300-11308.	7.9	83

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91	Robust and Fast Voltage-Source-Converter (VSC) Control for Naval Shipboard Microgrids. IEEE Transactions on Power Electronics, 2019, 34, 8299-8303.	7.9	68
92	Design an optimal fuzzy fractional proportional integral derivative controller with derivative filter for load frequency control in power systems. Transactions of the Institute of Measurement and Control, 2019, 41, 2563-2581.	1.7	85
93	Robust Frequency Regulation in Mobile Microgrids: HIL Implementation. IEEE Systems Journal, 2019, 13, 4281-4291.	4.6	57
94	Supervised control strategy in trajectory tracking for a wheeled mobile robot. IET Collaborative Intelligent Manufacturing, 2019, 1, 3-9.	3.3	21
95	Electric Vehicle Power Propulsion System Control Based on Time-Varying Fractional Calculus: Implementation and Experimental Results. IEEE Transactions on Intelligent Vehicles, 2019, 4, 255-264.	12.7	30
96	A switching sliding mode control technique for chaos suppression of fractional-order complex systems. Transactions of the Institute of Measurement and Control, 2019, 41, 2932-2946.	1.7	22
97	Power Conditioning of Distribution Networks via Single-Phase Electric Vehicles Equipped. IEEE Systems Journal, 2019, 13, 3433-3442.	4.6	44
98	Time-Delayed Stabilizing Secondary Load Frequency Control of Shipboard Microgrids. IEEE Systems Journal, 2019, 13, 3233-3241.	4.6	76
99	Shipboard Secondary Load Frequency Control Based on PPLs and Communication Degradations. , 2019, , .		0
100	Stabilisation and transient performance improvement of DC MGs with CPLs: non-linear reset control approach. IET Generation, Transmission and Distribution, 2019, 13, 3169-3176.	2.5	25
101	Tracking Control for Hydrogen Fuel Cell Systems in Zero-Emission Ferry Ships. Complexity, 2019, 2019, 1-9.	1.6	13
102	Adaptive Network Based Fuzzy Inference System for Frequency Regulation in Modern Maritime Power Systems. , 2019, , .		5
103	Robust Mixed $\mu$ -Synthesis Frequency Regulation in AC Mobile Power Grids. IEEE Transactions on Transportation Electrification, 2019, 5, 1182-1189.	7.8	28
104	Pulsed power load effect mitigation in DC shipboard microgrids: a constrained model predictive approach. IET Power Electronics, 2019, 12, 2155-2160.	2.1	24
105	Model Predictive Control of DC-DC Converters to Mitigate the Effects of Pulsed Power Loads in Naval DC Microgrids. IEEE Transactions on Industrial Electronics, 2019, 66, 5676-5685.	7.9	117
106	Tracking Control for a DC Microgrid Feeding Uncertain Loads in More Electric Aircraft: Adaptive Backstepping Approach. IEEE Transactions on Industrial Electronics, 2019, 66, 5644-5652.	7.9	84
107	EKF-Based Predictive Stabilization of Shipboard DC Microgrids With Uncertain Time-Varying Load. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 901-909.	5.4	74
108	Adaptive TS Fuzzy-Based MPC for DC Microgrids With Dynamic CPLs: Nonlinear Power Observer Approach. IEEE Systems Journal, 2019, 13, 3203-3210.	4.6	68

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109	Nonlinear Model Predictive Speed Control of Electric Vehicles Represented by Linear Parameter Varying Models With Bias Terms. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 2081-2089.	5.4	31
110	Polynomial control design for polynomial systems: A non-iterative sum of squares approach. Transactions of the Institute of Measurement and Control, 2019, 41, 1993-2004.	1.7	3
111	Networked Fuzzy Predictive Control of Power Buffers for Dynamic Stabilization of DC Microgrids. IEEE Transactions on Industrial Electronics, 2019, 66, 1356-1362.	7.9	109
112	Secondary Load Frequency Control of Time-Delay Stand-Alone Microgrids With Electric Vehicles. IEEE Transactions on Industrial Electronics, 2018, 65, 7416-7422.	7.9	159
113	Polynomial fuzzy model-based approach for underactuated surface vessels. IET Control Theory and Applications, 2018, 12, 914-921.	2.1	19
114	Probabilistic wind power forecasting using a novel hybrid intelligent method. Neural Computing and Applications, 2018, 30, 473-485.	5.6	24
115	A parsimonious SVM model selection criterion for classification of real-world data sets via an adaptive population-based algorithm. Neural Computing and Applications, 2018, 30, 3421-3429.	5.6	5
116	Maximum Power Point Tracking Control of Photovoltaic Systems: A Polynomial Fuzzy Model-Based Approach. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 292-299.	5.4	67
117	Shipboard Microgrids: A Novel Approach to Load Frequency Control. IEEE Transactions on Sustainable Energy, 2018, 9, 843-852.	8.8	156
118	Load Frequency Control in Microgrids Based on a Stochastic Noninteger Controller. IEEE Transactions on Sustainable Energy, 2018, 9, 853-861.	8.8	155
119	Design of Robust Double-Fuzzy-Summation Nonparallel Distributed Compensation Controller for Chaotic Power Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	1.6	15
120	Modeling and HiL Real-Time Simulation for the Secondary LFC in Time-Delay Shipboard Microgrids. , 2018, , .		3
121	Using Interval Type2 Fuzzy Controller in Ship Power Systems in Presence of Pulsed Power Loads. , 2018, , .		4
122	EKF for Power Estimation of Uncertain Time-Varying CPLs in DC Shipboard MGs. , 2018, , .		8
123	Non-linear MIMO identification of a Phantom Omni using LS-SVR with a hybrid model selection. IET Science, Measurement and Technology, 2018, 12, 678-683.	1.6	2
124	TS-based sampled-data model predictive controller for continuous-time nonlinear systems. International Journal of Systems Science, 2018, 49, 3284-3295.	5.5	10
125	Hardware-in-the-loop simulation for the testing of smart control in grid-connected solar power generation systems. International Journal of Computer Applications in Technology, 2018, 58, 116.	0.5	13
126	Online Power Estimation of non-Ideal CPLs in Shipboard DC MGs using Cubature Kalman Filter. , 2018, , .		2



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127	Improved Stabilization of Nonlinear DC Microgrids: Cubature Kalman Filter Approach. IEEE Transactions on Industry Applications, 2018, 54, 5104-5112.	4.9	81
128	A Novel Type-2 Fuzzy Logic for Improved Risk Analysis of Proton Exchange Membrane Fuel Cells in Marine Power Systems Application. Energies, 2018, 11, 721.	3.1	28
129	Probabilistic Forecasting of Hourly Electricity Price by Generalization of ELM for Usage in Improved Wavelet Neural Network. IEEE Transactions on Industrial Informatics, 2017, 13, 71-79.	11.3	110
130	Probabilistic electricity price forecasting by improved clonal selection algorithm and wavelet preprocessing. Neural Computing and Applications, 2017, 28, 3889-3901.	5.6	24
131	Analysis, control and design of speed control of electric vehicles delayed model: multi-objective fuzzy fractional-order controller. IET Science, Measurement and Technology, 2017, 11, 249-261.	1.6	37
132	Analysis, control and design of a non-inverting buck-boost converter: A bump-less two-level T <sup>s</sup> fuzzy PI control. ISA Transactions, 2017, 67, 515-527.	5.7	22
133	Power system distribution planning considering reliability and DG owner's profit. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	7
134	A new load frequency control strategy for micro-grids with considering electrical vehicles. Electric Power Systems Research, 2017, 143, 585-598.	3.6	189
135	An optimal general type-2 fuzzy controller for Urban Traffic Network. ISA Transactions, 2017, 66, 335-343.	5.7	59
136	Model predictive control based on Takagi-Sugeno fuzzy model for electrical vehicles delayed model. IET Electric Power Applications, 2017, 11, 918-934.	1.8	70
137	State estimation strategy for fractional order systems with noises and multiple time delayed measurements. IET Science, Measurement and Technology, 2017, 11, 9-17.	1.6	13
138	Adaptive PI controller to voltage regulation in power systems: STATCOM as a case study. ISA Transactions, 2017, 66, 325-334.	5.7	34
139	Bidding strategies of the joint wind, hydro, and pumped-storage in generation company using novel improved clonal selection optimisation algorithm. IET Science, Measurement and Technology, 2017, 11, 991-1001.	1.6	15
140	A time-varying strategy for urban traffic network control: a fuzzy logic control based on an improved black hole algorithm. International Journal of Bio-Inspired Computation, 2017, 10, 33.	0.9	9
141	An optimal and intelligent control strategy for a class of nonlinear systems: adaptive fuzzy sliding mode. JVC/Journal of Vibration and Control, 2016, 22, 159-175.	2.6	51
142	A novel intelligent strategy for probabilistic electricity price forecasting: Wavelet neural network based modified dolphin optimization algorithm. Journal of Intelligent and Fuzzy Systems, 2016, 31, 301-312.	1.4	15
143	Multi-periods distribution feeder reconfiguration at the presence of distributed generation through economic assessment using a new modified PSO algorithm. Journal of Intelligent and Fuzzy Systems, 2016, 31, 321-331.	1.4	3
144	A time-varying general type-II fuzzy sliding mode controller for a class of nonlinear power systems. Journal of Intelligent and Fuzzy Systems, 2016, 30, 2927-2937.	1.4	23

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145	Robust and simple intelligent observer-based fault estimation and reconstruction for a class of non-linear systems: HIRM aircraft. <i>Aeronautical Journal</i> , 2016, 120, 457-472.	1.6	2
146	Time-Varying Sliding Mode Control Strategy for Multibus Low-Voltage Microgrids with Parallel Connected Renewable Power Sources in Islanding Mode. <i>Journal of Energy Engineering - ASCE</i> , 2016, 142, 05016002.	1.9	42
147	Tâ€“S fuzzy model predictive speed control of electrical vehicles. <i>ISA Transactions</i> , 2016, 64, 231-240.	5.7	73
148	Speed control of electrical vehicles: a timeâ€“varying proportionalâ€“integral controllerâ€“based typeâ€“2 fuzzy logic. <i>IET Science, Measurement and Technology</i> , 2016, 10, 185-192.	1.6	52
149	Intelligent robust PI adaptive control strategy for speed control of EV(s). <i>IET Science, Measurement and Technology</i> , 2016, 10, 433-441.	1.6	26
150	A robust adaptive load frequency control for micro-grids. <i>ISA Transactions</i> , 2016, 65, 220-229.	5.7	141
151	Free chattering hybrid sliding mode control for a class of nonâ€“linear systems: electric vehicles as a case study. <i>IET Science, Measurement and Technology</i> , 2016, 10, 776-785.	1.6	65
152	A robust control strategy for a class of distributed network with transmission delays. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2016, 35, 1786-1813.	0.9	10
153	LMI-based stability analysis and robust controller design for a class of nonlinear chaotic power systems. <i>Journal of the Franklin Institute</i> , 2016, 353, 2835-2858.	3.4	34
154	A robust and new simple control strategy for a class of nonlinear power systems: induction and servomotors. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 1568-1592.	2.6	10
155	Improved frequency dynamic in isolated hybrid power system using an intelligent method. <i>International Journal of Electrical Power and Energy Systems</i> , 2016, 78, 225-238.	5.5	30
156	PI adaptive LS-SVR control scheme with disturbance rejection for a class of uncertain nonlinear systems. <i>Engineering Applications of Artificial Intelligence</i> , 2016, 52, 135-144.	8.1	9
157	A novel control system design to improve LVRT capability of fixed speed wind turbines using STATCOM in presence of voltage fault. <i>International Journal of Electrical Power and Energy Systems</i> , 2016, 77, 280-286.	5.5	56
158	Fast fault detection and classification based on a combination of wavelet singular entropy theory and fuzzy logic in distribution lines in the presence of distributed generations. <i>International Journal of Electrical Power and Energy Systems</i> , 2016, 78, 455-462.	5.5	136
159	The online parameter identification of chaotic behaviour in permanent magnet synchronous motor by Self-Adaptive Learning Bat-inspired algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , 2016, 78, 285-291.	5.5	46
160	Multi-Objective Distribution feeder reconfiguration to improve transient stability, and minimize power loss and operation cost using an enhanced evolutionary algorithm at the presence of distributed generations. <i>International Journal of Electrical Power and Energy Systems</i> , 2016, 76, 35-43.	5.5	72
161	A self-tuning load frequency control strategy for microgrids: Human brain emotional learning. <i>International Journal of Electrical Power and Energy Systems</i> , 2016, 75, 311-319.	5.5	106
162	A Time-Varying Strategy for Urban Traffic Network Control: A Fuzzy Logic Control Based on an Improved Black Hole algorithm. <i>International Journal of Bio-Inspired Computation</i> , 2016, 1, 1.	0.9	0

#	ARTICLE	IF	CITATIONS
163	A simple and intelligent online parameter identification of nonlinear chaotic systems. Journal of Intelligent and Fuzzy Systems, 2015, 29, 1501-1509.	1.4	8
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