

Amanullah Maung Than Oo

List of Publications by Year in descending order

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361045

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times ranked

2146
citing authors

#	ARTICLE	IF	CITATIONS
1	Rolling horizon optimisation based peer-to-peer energy trading under real-time variations in demand and generation. <i>Energy Systems</i> , 2023, 14, 541-565.	1.8	2
2	A Nonlinear Backstepping Control Scheme for Rapid Earth Fault Current Limiters in Resonant Grounded Power Distribution Systems: Applications for Mitigating Powerline Bushfires. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , 2022, 3, 362-371.	3.0	8
3	Event-Triggered Mechanism for Multiple Frequency Services of Electric Vehicles in Smart Grids. <i>IEEE Transactions on Power Systems</i> , 2022, 37, 967-981.	4.6	7
4	Control of arc suppression devices in compensated power distribution systems using an integral sliding mode controller for mitigating powerline bushfires. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 134, 107481.	3.3	16
5	Effective ROCOF-Based Islanding Detection Technique for Different Types of Microgrid. <i>IEEE Transactions on Industry Applications</i> , 2022, 58, 1809-1821.	3.3	20
6	Robust and Real-Time State Estimation of Unstable Microgrids Over IoT Networks. <i>IEEE Systems Journal</i> , 2021, 15, 2176-2185.	2.9	10
7	Impedance Modeling and Controllers Shaping Effect Analysis of PMSG Wind Turbines. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021, 9, 1465-1478.	3.7	30
8	A non-singular fast terminal sliding mode control scheme for residual current compensation inverters in compensated distribution networks to mitigate powerline bushfires. <i>IET Generation, Transmission and Distribution</i> , 2021, 15, 1421-1434.	1.4	17
9	A non-linear adaptive excitation control scheme for feedback linearized synchronous generations in multimachine power systems. <i>IET Generation, Transmission and Distribution</i> , 2021, 15, 1501-1520.	1.4	14
10	Analysis of Power Grid Voltage Stability With High Penetration of Solar PV Systems. <i>IEEE Transactions on Industry Applications</i> , 2021, 57, 2245-2257.	3.3	49
11	A Novel Power and Signal Composite Modulation Approach to Powerline Data Communication for SRM in Distributed Power Grids. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 10436-10446.	5.4	21
12	Design of an Adaptive Sliding Mode Controller for Rapid Earth Fault Current Limiters in Resonant Grounded Distribution Networks to Mitigate Powerline Bushfires. , 2021, , .		20
13	Detecting and isolating false data injection attacks on electric vehicles of smart grids using distributed functional observers. <i>IET Generation, Transmission and Distribution</i> , 2021, 15, 762-779.	1.4	9
14	Effective ROCOF Based Islanding Detection Technique for Different Types of Microgrid. , 2021, , .		2
15	Design of Observers for Positive Systems With Delayed Input and Output Information. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 107-111.	2.2	12
16	A Method for Calculating the Asymmetry in the Shunt Parameters of Power Lines in Compensated Distribution Networks. <i>IEEE Transactions on Power Delivery</i> , 2020, 35, 2168-2176.	2.9	8
17	An Adaptive Partial Feedback Linearizing Control Scheme: An Application to a Single Machine Infinite Bus System. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 2557-2561.	2.2	17
18	Simultaneous Excitation Systems for Ultrasonic Indoor Positioning. <i>IEEE Sensors Journal</i> , 2020, 20, 13716-13725.	2.4	5

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19	A Parameter Extraction Method for the Li-Ion Batteries With Wide-Range Temperature Compensation. IEEE Transactions on Industry Applications, 2020, 56, 5625-5636.	3.3	27
20	Functional observers design for positive systems with delays and unknown inputs. IET Control Theory and Applications, 2020, 14, 1656-1661.	1.2	3
21	An optimal distributed energy management scheme for solving transactive energy sharing problems in residential microgrids. Applied Energy, 2020, 270, 115133.	5.1	42
22	Transactive energy coordination mechanism for community microgrids supplying multi-dwelling residential apartments. IET Generation, Transmission and Distribution, 2020, 14, 1207-1213.	1.4	9
23	Design of coordination mechanisms for price anticipatory transactive microgrids. IET Generation, Transmission and Distribution, 2020, 14, 1298-1310.	1.4	1
24	Shaping Effect of Phase-locked Loop on Impedance Characteristics of PMSG Wind Turbines Connected to Weak-grid. , 2020, , .		2
25	A Communication Scheme for Blockchain based Peer to Peer Energy Trading. , 2020, , .		3
26	Nonlinear Partial Feedback Linearizing Output Feedback Control of Islanded DC Microgrids. , 2020, , .		2
27	Calculation of Unbalances in Network Shunt Capacitances of Power Distribution Systems. , 2020, , .		0
28	Analysis of Power Grid Voltage Stability with High Penetration of Solar PV Systems. , 2020, , .		2
29	Self-Scheduling of a Generating Company With an EV Load Aggregator Under an Energy Exchange Strategy. IEEE Transactions on Smart Grid, 2019, 10, 4253-4264.	6.2	18
30	A Transactive Energy Trading Framework for Community Microgrids in Residential Multi-Dwelling Apartment Buildings. , 2019, , .		2
31	Detection of High Impedance Faults on Compensated Distribution Networks. , 2019, , .		0
32	Nonlinear Adaptive Backstepping Controller Design for Permanent Magnet Synchronous Generator (PMSG)-Based Wind Farms to Enhance Fault Ride Through Capabilities. , 2019, , .		4
33	Nonlinear Adaptive Direct Power Controllers of DFIG-Based Wind Farms for Enhancing FRT Capabilities. , 2019, , .		15
34	Robust Adaptive Backstepping Excitation Controller Design for Higher-Order Models of Synchronous Generators in Multimachine Power Systems. IEEE Transactions on Power Systems, 2019, 34, 40-51.	4.6	51
35	Distributed Control of HVDC Links for Primary Frequency Control of Time-Delay Power Systems. IEEE Transactions on Power Systems, 2019, 34, 1301-1314.	4.6	20
36	Feedback Linearizing Model Predictive Excitation Controller Design for Multimachine Power Systems. IEEE Access, 2018, 6, 2310-2319.	2.6	24

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37	A Decentralized Fault Detection Technique for Detecting Single Phase to Ground Faults in Power Distribution Systems With Resonant Grounding. IEEE Transactions on Power Delivery, 2018, 33, 2462-2473.	2.9	101
38	Nonlinear Adaptive Backstepping Controller Design for Islanded DC Microgrids. IEEE Transactions on Industry Applications, 2018, 54, 2857-2873.	3.3	104
39	Improved Differential Evolution-Based MPPT Algorithm Using SEPIC for PV Systems Under Partial Shading Conditions and Load Variation. IEEE Transactions on Industrial Informatics, 2018, 14, 4322-4333.	7.2	222
40	Wind power prediction in new stations based on knowledge of existing Stations: A cluster based multi source domain adaptation approach. Knowledge-Based Systems, 2018, 145, 15-24.	4.0	32
41	An Enhanced Control Scheme for an IPM Synchronous Generator Based Wind Turbine With MTPA Trajectory and Maximum Power Extraction. IEEE Transactions on Energy Conversion, 2018, 33, 556-566.	3.7	20
42	Mitigation strategies to minimize potential technical challenges of renewable energy integration. Sustainable Energy Technologies and Assessments, 2018, 25, 24-42.	1.7	38
43	Hybrid Wind-Diesel Remote Area Power Systems with Hydrogen-based Energy Storage System. , 2018, , .		1
44	Sensor Fault Resilient Control Approach for Grid Connected Photovoltaic Systems. , 2018, , .		0
45	Operations of DC Microgrids in Coordination with AC Grids Based on Nonlinear Backstepping Controllers. , 2018, , .		10
46	Direct Power Controller Design for Improving FRT Capabilities of DFIG-Based Wind Farms using a Nonlinear Backstepping Approach. , 2018, , .		10
47	Effects of Network Unbalances and Their Solutions in Resonant Grounded Power Distribution Systems. , 2018, , .		3
48	Residual Current Compensator based on Voltage Source Converter for Compensated Distribution Networks. , 2018, , .		18
49	Nonlinear Backstepping Controller Design for Improving Fault Ride Through Capabilities of DFIG-Based Wind Farms. , 2018, , .		19
50	Control and Power Sharing in Hybrid AC/DC Microgrids using a Nonlinear Backstepping Approach. , 2018, , .		1
51	Partial Feedback Linearizing Model Predictive Controllers for Multiple Photovoltaic Units Connected to Grids through a Point of Common Coupling. Electronics (Switzerland), 2018, 7, 175.	1.8	7
52	Robust Partial Feedback Linearizing Excitation Controller Design for Multimachine Power Systems. IEEE Transactions on Power Systems, 2017, 32, 3-16.	4.6	52
53	Comprehensive economic evaluations of a residential building with solar photovoltaic and battery energy storage systems: An Australian case study. Energy and Buildings, 2017, 138, 332-346.	3.1	67
54	Nonlinear Adaptive Excitation Controller Design for Multimachine Power Systems With Unknown Stability Sensitive Parameters. IEEE Transactions on Control Systems Technology, 2017, 25, 2060-2072.	3.2	38

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55	Wind Power Prediction Using Cluster Based Ensemble Regression. International Journal of Computational Intelligence and Applications, 2017, 16, 1750026.	0.6	13
56	Secured Communication among IoT Devices in the Presence of Cellular Interference. , 2017, , .		3
57	Information management of a power distribution network in real time through GIS mapping. , 2017, , .		2
58	Robust adaptive excitation control of synchronous generators in multimachine power systems under parametric uncertainties and external disturbances. , 2017, , .		6
59	Comparative analysis of energy trading priorities based on open transactive energy markets in residential microgrids. , 2017, , .		15
60	Optimal scheduling of appliances through residential energy management. , 2017, , .		13
61	An optimal distributed transactive energy sharing approach for residential microgrids. , 2017, , .		16
62	Nonlinear Adaptive Backstepping Excitation Controller Design for Higher-Order Models of Synchronous Generators. IFAC-PapersOnLine, 2017, 50, 4368-4373.	0.5	10
63	Mathematical morphology-based fault detection technique for power distribution systems subjected to resonant grounding. , 2017, , .		8
64	Voltage stability analysis of power distribution networks using multi-agent approach. , 2017, , .		1
65	Nonlinear Adaptive Backstepping Controller Design for Three-Phase Grid-Connected Solar Photovoltaic Systems. Electric Power Components and Systems, 2017, 45, 2275-2292.	1.0	18
66	An adaptive direct power controller for three-phase grid-connected photovoltaic systems with parametric uncertainties. , 2017, , .		3
67	Nonlinear backstepping controller design for V2G applications with output LCL filters. , 2017, , .		1
68	Achievable sum rate analysis of relay aided overlay device to device communication among multiple devices. Journal of Communications and Networks, 2017, 19, 309-318.	1.8	4
69	A Hierarchical Transactive Energy Management System for Energy Sharing in Residential Microgrids. Energies, 2017, 10, 2098.	1.6	33
70	Analysis of lightning induced effects on buried pipeline due to direct strike on ground. , 2016, , .		4
71	Relay aided smart meter to smart meter communication in a microgrid. , 2016, , .		12
72	Control of IPM synchronous generator based direct drive wind turbine with MTPA trajectory and maximum power extraction. , 2016, , .		0

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73	Nonlinear adaptive coordinated controller design for multimachine power systems to improve transient stability. IET Generation, Transmission and Distribution, 2016, 10, 3353-3363.	1.4	24
74	A multi-agent approach for security of future power grid protection systems. , 2016, , .		5
75	Robust adaptive backstepping controller design for DC-DC buck converters with external disturbances. , 2016, , .		8
76	Nonlinear adaptive backstepping controller design for controlling bidirectional power flow of BESSs in DC microgrids. , 2016, , .		24
77	Nonlinear excitation control of synchronous generators based on adaptive backstepping method. , 2015, , .		16
78	Robust adaptive backstepping excitation controller design for simple power system models with external disturbances. , 2015, , .		17
79	A brief review on offshore wind turbine fault detection and recent development in condition monitoring based maintenance system. , 2015, , .		23
80	Nonlinear backstepping controller design for sharing active and reactive power in three-phase grid-connected photovoltaic systems. , 2015, , .		19
81	A nonlinear adaptive backstepping approach for coordinated excitation and steam-valving control of synchronous generators. , 2015, , .		7
82	A comparative study of different power system stabilizers for dynamic stability analysis. , 2015, , .		1
83	Simulation and Hardware Implementation of New Maximum Power Point Tracking Technique for Partially Shaded PV System Using Hybrid DEPSO Method. IEEE Transactions on Sustainable Energy, 2015, 6, 850-862.	5.9	258
84	Nonlinear adaptive excitation controller design for multimachine power systems. , 2015, , .		15
85	Experimental and simulation study of the impact of increased photovoltaic integration with the grid. Journal of Renewable and Sustainable Energy, 2014, 6, .	0.8	8
86	Robust Nonlinear Distributed Controller Design for Active and Reactive Power Sharing in Islanded Microgrids. IEEE Transactions on Energy Conversion, 2014, 29, 893-903.	3.7	96
87	Integration of roof-top solar photovoltaic systems into the low voltage distribution network. Journal of Renewable and Sustainable Energy, 2014, 6, .	0.8	15
88	Power losses from wind generated electricity in high voltage AC transmission: an analysis through simulation. International Journal of Renewable Energy Technology, 2014, 5, 77.	0.2	3
89	Potential challenges of integrating large-scale wind energy into the power grid—A review. Renewable and Sustainable Energy Reviews, 2013, 20, 306-321.	8.2	172
90	Tap-Changing Operations of Multiple Transformers using ANN Based Controller. International Journal of Computational Intelligence Systems, 2013, 6, 585.	1.6	1

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91	Influences of Wind Energy Integration into the Distribution Network. Journal of Wind Energy, 2013, 2013, 1-21.	1.0	12
92	The Combined Effect of Applying Feature Selection and Parameter Optimization on Machine Learning Techniques for Solar Power Prediction. American Journal of Energy Research, 2013, 1, 7-16.	1.0	12
93	Study on electrical energy and prospective electricity generation from renewable sources in Australia. Renewable and Sustainable Energy Reviews, 2012, 16, 6879-6887.	8.2	5