

Amanullah Maung Than Oo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5704734/publications.pdf>

Version: 2024-02-01

93
papers

2,138
citations

361045

20
h-index

264894

42
g-index

93
all docs

93
docs citations

93
times ranked

2146
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Nonlinear Adaptive Backstepping Controller Design for Islanded DC Microgrids. IEEE Transactions on Industry Applications, 2018, 54, 2857-2873.	3.3	104
5	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
6	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
7	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
8	Robust Partial Feedback Linearizing Excitation Controller Design for Multimachine Power Systems. IEEE Transactions on Power Systems, 2017, 32, 3-16.	4.6	52
9	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
10	Analysis of Power Grid Voltage Stability With High Penetration of Solar PV Systems. IEEE Transactions on Industry Applications, 2021, 57, 2245-2257.	3.3	49
11	An optimal distributed energy management scheme for solving transactive energy sharing problems in residential microgrids. Applied Energy, 2020, 270, 115133.	5.1	42
12	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
13	Mitigation strategies to minimize potential technical challenges of renewable energy integration. Sustainable Energy Technologies and Assessments, 2018, 25, 24-42.	1.7	38
14	A Hierarchical Transactive Energy Management System for Energy Sharing in Residential Microgrids. Energies, 2017, 10, 2098.	1.6	33
15	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
16	Impedance Modeling and Controllers Shaping Effect Analysis of PMSG Wind Turbines. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1465-1478.	3.7	30
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Nonlinear adaptive backstepping controller design for controlling bidirectional power flow of BESSs in DC microgrids. , 2016, , .		24
20	Feedback Linearizing Model Predictive Excitation Controller Design for Multimachine Power Systems. IEEE Access, 2018, 6, 2310-2319.	2.6	24
21	A brief review on offshore wind turbine fault detection and recent development in condition monitoring based maintenance system. , 2015, , .		23
22	A Novel Power and Signal Composite Modulation Approach to Powerline Data Communication for SRM in Distributed Power Grids. IEEE Transactions on Power Electronics, 2021, 36, 10436-10446.	5.4	21
23	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
24	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
25	Design of an Adaptive Sliding Mode Controller for Rapid Earth Fault Current Limiters in Resonant Grounded Distribution Networks to Mitigate Powerline Bushfires. , 2021, , .		20
26	Effective ROCOF-Based Islanding Detection Technique for Different Types of Microgrid. IEEE Transactions on Industry Applications, 2022, 58, 1809-1821.	3.3	20
27	Nonlinear backstepping controller design for sharing active and reactive power in three-phase grid-connected photovoltaic systems. , 2015, , .		19
28	Nonlinear Backstepping Controller Design for Improving Fault Ride Through Capabilities of DFIG-Based Wind Farms. , 2018, , .		19
29	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
30	Residual Current Compensator based on Voltage Source Converter for Compensated Distribution Networks. , 2018, , .		18
31	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
32	Robust adaptive backstepping excitation controller design for simple power system models with external disturbances. , 2015, , .		17
33	An Adaptive Partial Feedback Linearizing Control Scheme: An Application to a Single Machine Infinite Bus System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2557-2561.	2.2	17
34	A non-singular fast terminal sliding mode control scheme for residual current compensation inverters in compensated distribution networks to mitigate powerline bushfires. IET Generation, Transmission and Distribution, 2021, 15, 1421-1434.	1.4	17
35	Nonlinear excitation control of synchronous generators based on adaptive backstepping method. , 2015, , .		16
36	An optimal distributed transactive energy sharing approach for residential microgrids. , 2017, , .		16

#	ARTICLE	IF	CITATIONS
37	Control of arc suppression devices in compensated power distribution systems using an integral sliding mode controller for mitigating powerline bushfires. International Journal of Electrical Power and Energy Systems, 2022, 134, 107481.	3.3	16
38	Integration of roof-top solar photovoltaic systems into the low voltage distribution network. Journal of Renewable and Sustainable Energy, 2014, 6, .	0.8	15
39	Nonlinear adaptive excitation controller design for multimachine power systems. , 2015, , .		15
40	Comparative analysis of energy trading priorities based on open transactive energy markets in residential microgrids. , 2017, , .		15
41	Nonlinear Adaptive Direct Power Controllers of DFIG-Based Wind Farms for Enhancing FRT Capabilities. , 2019, , .		15
42	A nonlinear adaptive excitation control scheme for feedback linearized synchronous generations in multimachine power systems. IET Generation, Transmission and Distribution, 2021, 15, 1501-1520.	1.4	14
43	Wind Power Prediction Using Cluster Based Ensemble Regression. International Journal of Computational Intelligence and Applications, 2017, 16, 1750026.	0.6	13
44	Optimal scheduling of appliances through residential energy management. , 2017, , .		13
45	Influences of Wind Energy Integration into the Distribution Network. Journal of Wind Energy, 2013, 2013, 1-21.	1.0	12
46	Relay aided smart meter to smart meter communication in a microgrid. , 2016, , .		12
47	Design of Observers for Positive Systems With Delayed Input and Output Information. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 107-111.	2.2	12
48	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
49	Nonlinear Adaptive Backstepping Excitation Controller Design for Higher-Order Models of Synchronous Generators. IFAC-PapersOnLine, 2017, 50, 4368-4373.	0.5	10
50	Operations of DC Microgrids in Coordination with AC Grids Based on Nonlinear Backstepping Controllers. , 2018, , .		10
51	Direct Power Controller Design for Improving FRT Capabilities of DFIG-Based Wind Farms using a Nonlinear Backstepping Approach. , 2018, , .		10
52	Robust and Real-Time State Estimation of Unstable Microgrids Over IoT Networks. IEEE Systems Journal, 2021, 15, 2176-2185.	2.9	10
53	Transactive energy coordination mechanism for community microgrids supplying multi-dwelling residential apartments. IET Generation, Transmission and Distribution, 2020, 14, 1207-1213.	1.4	9
54	Detecting and isolating false data injection attacks on electric vehicles of smart grids using distributed functional observers. IET Generation, Transmission and Distribution, 2021, 15, 762-779.	1.4	9

#	ARTICLE	IF	CITATIONS
55	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
56	Robust adaptive backstepping controller design for DC-DC buck converters with external disturbances. , 2016, , .		8
57	Mathematical morphology-based fault detection technique for power distribution systems subjected to resonant grounding. , 2017, , .		8
58	A Method for Calculating the Asymmetry in the Shunt Parameters of Power Lines in Compensated Distribution Networks. IEEE Transactions on Power Delivery, 2020, 35, 2168-2176.	2.9	8
59	A Nonlinear Backstepping Control Scheme for Rapid Earth Fault Current Limiters in Resonant Grounded Power Distribution Systems: Applications for Mitigating Powerline Bushfires. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2022, 3, 362-371.	3.0	8
60	A nonlinear adaptive backstepping approach for coordinated excitation and steam-valving control of synchronous generators. , 2015, , .		7
61	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
62	Event-Triggered Mechanism for Multiple Frequency Services of Electric Vehicles in Smart Grids. IEEE Transactions on Power Systems, 2022, 37, 967-981.	4.6	7
63	Robust adaptive excitation control of synchronous generators in multimachine power systems under parametric uncertainties and external disturbances. , 2017, , .		6
64	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
65	A multi-agent approach for security of future power grid protection systems. , 2016, , .		5
66	Simultaneous Excitation Systems for Ultrasonic Indoor Positioning. IEEE Sensors Journal, 2020, 20, 13716-13725.	2.4	5
67	Analysis of lightning induced effects on buried pipeline due to direct strike on ground. , 2016, , .		4
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	Nonlinear Adaptive Backstepping Controller Design for Permanent Magnet Synchronous Generator (PMSG)-Based Wind Farms to Enhance Fault Ride Through Capabilities. , 2019, , .		4
70	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
71	Secured Communication among IoT Devices in the Presence of Cellular Interference. , 2017, , .		3
72	An adaptive direct power controller for three-phase grid-connected photovoltaic systems with parametric uncertainties. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
73	Effects of Network Unbalances and Their Solutions in Resonant Grounded Power Distribution Systems. , 2018, , .		3
74	Functional observers design for positive systems with delays and unknown inputs. IET Control Theory and Applications, 2020, 14, 1656-1661.	1.2	3
75	A Communication Scheme for Blockchain based Peer to Peer Energy Trading. , 2020, , .		3
76	Information management of a power distribution network in real time through GIS mapping. , 2017, , .		2
77	A Transactive Energy Trading Framework for Community Microgrids in Residential Multi-Dwelling Apartment Buildings. , 2019, , .		2
78	Shaping Effect of Phase-locked Loop on Impedance Characteristics of PMSG Wind Turbines Connected to Weak-grid. , 2020, , .		2
79	Nonlinear Partial Feedback Linearizing Output Feedback Control of Islanded DC Microgrids. , 2020, , .		2
80	Analysis of Power Grid Voltage Stability with High Penetration of Solar PV Systems. , 2020, , .		2
81	Effective ROCOF Based Islanding Detection Technique for Different Types of Microgrid. , 2021, , .		2
82	Rolling horizon optimisation based peer-to-peer energy trading under real-time variations in demand and generation. Energy Systems, 2023, 14, 541-565.	1.8	2
83	Tap-Changing Operations of Multiple Transformers using ANN Based Controller. International Journal of Computational Intelligence Systems, 2013, 6, 585.	1.6	1
84	A comparative study of different power system stabilizers for dynamic stability analysis. , 2015, , .		1
85	Voltage stability analysis of power distribution networks using multi-agent approach. , 2017, , .		1
86	Nonlinear backstepping controller design for V2G applications with output LCL filters. , 2017, , .		1
87	Hybrid Wind-Diesel Remote Area Power Systems with Hydrogen-based Energy Storage System. , 2018, , .		1
88	Control and Power Sharing in Hybrid AC/DC Microgrids using a Nonlinear Backstepping Approach. , 2018, , .		1
89	Design of coordination mechanisms for price anticipatory transactive microgrids. IET Generation, Transmission and Distribution, 2020, 14, 1298-1310.	1.4	1
90	Control of IPM synchronous generator based direct drive wind turbine with MTPA trajectory and maximum power extraction. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
91	Sensor Fault Resilient Control Approach for Grid Connected Photovoltaic Systems. , 2018, , .		0
92	Detection of High Impedance Faults on Compensated Distribution Networks. , 2019, , .		0
93	Calculation of Unbalances in Network Shunt Capacitances of Power Distribution Systems. , 2020, , .		0