Mohamed Al Hosani

List of Publications by Year
in descending order

43	1,138	535685 17	466096 32
papers	citations	h-index	g-index

43	43	43	1293
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single-Phase Transfer Delay FLL With Enhanced Performance for Power System Applications. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 349-360.	3.7	6
2	Enhancing Lifetime of 1U/2U CubeSat Electric Power System With Distributed Architecture and Power-Down Mode. IEEE Transactions on Industry Applications, 2022, 58, 901-913.	3.3	5
3	Energy Management Strategy of a Reconfigurable Grid-Tied Hybrid AC/DC Microgrid for Commercial Building Applications. IEEE Transactions on Smart Grid, 2022, 13, 1720-1738.	6.2	20
4	Reduced-Order Generalized Integrator-Based Phase-Locked Loop: Performance Improvement for Grid Synchronization of Single-Phase Inverters. IEEE Transactions on Power Delivery, 2022, 37, 4382-4393.	2.9	6
5	Single-Phase Type-1 Frequency-Fixed FLL for Distorted Voltage Condition. IEEE Transactions on Industrial Electronics, 2021, 68, 3865-3875.	5.2	20
6	A Novel Power-Based Orthogonal Signal Generator for Single-Phase Systems. IEEE Transactions on Power Delivery, 2021, 36, 469-472.	2.9	16
7	Energy Management of Grid Interconnected Multi-Microgrids Based on P2P Energy Exchange: A Data Driven Approach. IEEE Transactions on Power Systems, 2021, 36, 1546-1562.	4.6	45
8	Enhanced transient response and seamless interconnection of multiâ€microgrids based on an adaptive control scheme. IET Renewable Power Generation, 2021, 15, 2452-2467.	1.7	4
9	Comparison of Peak Power Tracking Based Electric Power System Architectures for CubeSats. IEEE Transactions on Industry Applications, 2021, 57, 2758-2768.	3.3	13
10	A meshed backward/forward sweep load flow method for islanded meshed microgrids. International Transactions on Electrical Energy Systems, 2021, 31, e13127.	1.2	1
11	Stability Evaluation of AC/DC Hybrid Microgrids Considering Bidirectional Power Flow Through the Interlinking Converters. IEEE Access, 2021, 9, 43876-43888.	2.6	13
12	Benchmark model for multiâ€orbital transient analysis of satellite electrical power subsystem. IET Renewable Power Generation, 2020, 14, 286-296.	1.7	3
13	New Submodule Selection Algorithm for Low Device Switching Frequency Modulation of Medium-Voltage Modular Multilevel Converter. , 2020, , .		0
14	Comparison Study of Electric Power System Architectures for CubeSat. , 2020, , .		5
15	A Type-3 PLL for Single-Phase Applications. IEEE Transactions on Industry Applications, 2020, 56, 5533-5542.	3.3	24
16	Modeling of distributed generators and converters control for power flow analysis of networked islanded hybrid microgrids. Electric Power Systems Research, 2020, 184, 106343.	2.1	13
17	Topology planning for autonomous MMGs: an ordered binary decision diagramâ€based approach. IET Smart Grid, 2020, 3, 60-68.	1.5	3
18	Comprehensive design and control methodology for DCâ€powered satellite electrical subsystem based on PV and battery. IET Renewable Power Generation, 2020, 14, 2202-2210.	1.7	10

#	Article	IF	Citations
19	A Novel EPS Architecture for 1U/2U Cubesats with Enhanced Fault-Tolerant Capability. , 2020, , .		3
20	Modeling and Design of Electrical Power Subsystem for CubeSats. , 2019, , .		8
21	Plug-and-Play Compliant Control for Inverter-Based Microgrids. IEEE Transactions on Power Systems, 2019, 34, 2901-2913.	4.6	26
22	A Type-3 PLL for Single-Phase Applications. , 2019, , .		5
23	Demand Side Management Strategy for Droop-Based Autonomous Microgrids Through Voltage Reduction. IEEE Transactions on Energy Conversion, 2019, 34, 878-888.	3.7	24
24	Unified Power Flow Algorithm for Standalone AC/DC Hybrid Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 639-649.	6.2	80
25	A Modified Backward/Forward Sweep Load Flow Method for Islanded Radial Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 910-918.	6.2	86
26	A Critical Assessment of Oscillatory Modes in Multi-Microgrids Comprising of Synchronous and Inverter-Based Distributed Generation. IEEE Transactions on Smart Grid, 2019, 10, 3320-3330.	6.2	27
27	High-Fidelity Model Order Reduction for Microgrids Stability Assessment. IEEE Transactions on Power Systems, 2018, 33, 874-887.	4.6	134
28	Domain of Stability Characterization for Hybrid Microgrids Considering Different Power Sharing Conditions. IEEE Transactions on Energy Conversion, 2018, 33, 312-323.	3.7	37
29	Adaptive Voltage and Frequency Control of Islanded Multi-Microgrids. IEEE Transactions on Power Systems, 2018, 33, 4454-4465.	4.6	75
30	Hill Climbing Power Flow Algorithm for Hybrid DC/AC Microgrids. IEEE Transactions on Power Electronics, 2018, 33, 5532-5537.	5.4	23
31	Towards Plug-and-Play Microgrids. , 2018, , .		7
32	A Novel DC Fault Ride-Through Scheme for MTDC Networks Connecting Large-Scale Wind Parks. IEEE Transactions on Sustainable Energy, 2017, 8, 1086-1095.	5.9	34
33	Conductivity Invariance Phenomenon of Eddy Current NDT: Investigation, Verification, and Application. IEEE Transactions on Magnetics, 2017, 53, 1-7.	1.2	17
34	A framework for development of universal rules for microgrids stability and control. , 2017, , .		29
35	Systematic design of virtual component method for inverter-based microgrids. , 2017, , .		4
36	A Novel Approach to Solve Power Flow for Islanded Microgrids Using Modified Newton Raphson With Droop Control of DG. IEEE Transactions on Sustainable Energy, 2016, 7, 493-503.	5.9	195

#	Article	IF	Citations
37	A simple and accurate approach to solve the power flow for balanced islanded microgrids. , 2015, , .		27
38	Scheduled Perturbation to Reduce Nondetection Zone for Low Gain Sandia Frequency Shift Method. IEEE Transactions on Smart Grid, 2015, 6, 3095-3103.	6.2	17
39	A Transient Stiffness Measure for Islanding Detection of Multi-DG Systems. IEEE Transactions on Power Delivery, 2015, 30, 986-995.	2.9	18
40	Development of Dynamic Estimators for Islanding Detection of Inverter-Based DG. IEEE Transactions on Power Delivery, 2015, 30, 428-436.	2.9	22
41	Development of current dynamic estimator for Islanding Detection of inverter based Distributed Generation. , 2010, , .		1
42	Detecting defects in outdoor non-ceramic insulators using near-field microwave non-destructive testing. IEEE Transactions on Dielectrics and Electrical Insulation, 2010, 17, 402-407.	1.8	31
43	Detecting damages in outdoor non-ceramic insulators using near field microwave non-destructive testing. , 2009, , .		1