

Amirnaser Yazdani

List of Publications by Year in descending order

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55
papers

4,649
citations

201674

27
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254184

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56
all docs

56
docs citations

56
times ranked

3643
citing authors

#	ARTICLE	IF	CITATIONS
1	A Protection Strategy and Microprocessor-Based Relay for Low-Voltage Microgrids. IEEE Transactions on Power Delivery, 2011, 26, 1873-1883.	4.3	308
2	Negative-Sequence Current Injection for Fast Islanding Detection of a Distributed Resource Unit. IEEE Transactions on Power Electronics, 2008, 23, 298-307.	7.9	289
3	A Control Methodology and Characterization of Dynamics for a Photovoltaic (PV) System Interfaced With a Distribution Network. IEEE Transactions on Power Delivery, 2009, 24, 1538-1551.	4.3	276
4	Stability of a dc Distribution System for Power System Integration of Plug-In Hybrid Electric Vehicles. IEEE Transactions on Smart Grid, 2014, 5, 2564-2573.	9.0	198
5	Modeling and Stability Analysis of a DFIG-Based Wind-Power Generator Interfaced With a Series-Compensated Line. IEEE Transactions on Power Delivery, 2009, 24, 1504-1514.	4.3	168
6	A Control Strategy for Enhanced Operation of Inverter-Based Microgrids Under Transient Disturbances and Network Faults. IEEE Transactions on Power Delivery, 2012, 27, 1737-1747.	4.3	163
7	A Communication-Assisted Protection Strategy for Inverter-Based Medium-Voltage Microgrids. IEEE Transactions on Smart Grid, 2012, 3, 2088-2099.	9.0	156
8	An Adaptive Feedforward Compensation for Stability Enhancement in Droop-Controlled Inverter-Based Microgrids. IEEE Transactions on Power Delivery, 2011, 26, 1764-1773.	4.3	125
9	Islanded-Mode Control of Electronically Coupled Distributed-Resource Units Under Unbalanced and Nonlinear Load Conditions. IEEE Transactions on Power Delivery, 2011, 26, 661-673.	4.3	123
10	Fractional-Order Sliding-Mode Control of Islanded Distributed Energy Resource Systems. IEEE Transactions on Sustainable Energy, 2016, 7, 1482-1491.	8.8	112
11	Sliding-Mode Control of AC Voltages and Currents of Dispatchable Distributed Energy Resources in Master-Slave-Organized Inverter-Based Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 980-991.	9.0	88
12	A Strategy for Real Power Control in a Direct-Drive PMSG-Based Wind Energy Conversion System. IEEE Transactions on Power Delivery, 2013, 28, 1297-1305.	4.3	80
13	A Unified Control Strategy for Electronically Interfaced Distributed Energy Resources. IEEE Transactions on Power Delivery, 2012, 27, 803-812.	4.3	78
14	A Modular Multilevel Converter With DC Fault Handling Capability and Enhanced Efficiency for HVdc System Applications. IEEE Transactions on Power Electronics, 2017, 32, 11-22.	7.9	67
15	Optimal Location and Sizing of Fault Current Limiters in Mesh Networks Using Iterative Mixed Integer Nonlinear Programming. IEEE Transactions on Power Systems, 2016, 31, 4776-4783.	6.5	64
16	Multimode Control of a DFIG-Based Wind-Power Unit for Remote Applications. IEEE Transactions on Power Delivery, 2009, 24, 2079-2089.	4.3	63
17	A Hybrid MMC-Based Photovoltaic and Battery Energy Storage System. IEEE Power and Energy Technology Systems Journal, 2019, 6, 32-40.	2.8	58
18	A Power Mismatch Elimination Strategy for an MMC-Based Photovoltaic System. IEEE Transactions on Energy Conversion, 2018, 33, 1519-1528.	5.2	57

#	ARTICLE	IF	CITATIONS
19	Optimal sizing approach for islanded microgrids. IET Renewable Power Generation, 2015, 9, 166-175.	3.1	54
20	Stability Analysis of Vector-Controlled Modular Multilevel Converters in Linear Time-Periodic Framework. IEEE Transactions on Power Electronics, 2016, 31, 5255-5269.	7.9	46
21	An integrated wind-photovoltaic-battery system with reduced power-electronic interface and fast control for grid-tied and off-grid applications. Renewable Energy, 2012, 45, 128-137.	8.9	45
22	Control of an islanded Distributed Energy Resource unit with load compensating feed-forward. , 2008, , .		42
23	A Transformerless DC-DC Converter With Large Voltage Ratio for MV DC Grids. IEEE Transactions on Power Delivery, 2014, 29, 1877-1885.	4.3	39
24	A Mathematical Model for Stability Analysis of a DC Distribution System for Power System Integration of Plug-In Electric Vehicles. IEEE Transactions on Vehicular Technology, 2015, 64, 1729-1738.	6.3	37
25	Linear State-Feedback Primary Control for Enhanced Dynamic Response of AC Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 3149-3161.	9.0	35
26	An Enhanced Closed-Loop Control Strategy With Capacitor Voltage Elevation for the DC-DC Modular Multilevel Converter. IEEE Transactions on Industrial Electronics, 2019, 66, 2366-2375.	7.9	34
27	A communication-based strategy for protection of microgrids with looped configuration. Electric Power Systems Research, 2013, 104, 52-61.	3.6	30
28	An Enhanced Steady-State Model and Capacitor Sizing Method for Modular Multilevel Converters for HVdc Applications. IEEE Transactions on Power Electronics, 2018, 33, 4756-4771.	7.9	29
29	An effective hybrid wind-photovoltaic system including battery energy storage with reducing control loops and omitting PV converter. Journal of Energy Storage, 2020, 27, 101088.	8.1	29
30	Adjustable Wind Farm Frequency Support Through Multi-Terminal HVDC Grids. IEEE Transactions on Sustainable Energy, 2021, 12, 1461-1472.	8.8	27
31	An Efficient Single-Switch Quasi-Active PFC Converter With Continuous Input Current and Low DC-Bus Voltage Stress. IEEE Transactions on Industrial Electronics, 2014, 61, 1735-1749.	7.9	26
32	A Control Strategy for Power Regulation in a Direct-Drive WECS With Flexible Drive-Train. IEEE Transactions on Sustainable Energy, 2014, 5, 1156-1165.	8.8	19
33	Impedance-Based Stability Analysis and Design of a Fractional-Order Active Damper for Grid-Connected Current-Source Inverters. IEEE Transactions on Sustainable Energy, 2021, 12, 599-611.	8.8	14
34	A DC distribution system for power system integration of Plug-In Hybrid Electric Vehicles. , 2013, , .		12
35	Passivity-Based Design of a Fractional-Order Virtual Capacitor for Active Damping of Multiparalleled Grid-Connected Current-Source Inverters. IEEE Transactions on Power Electronics, 2022, 37, 7809-7818.	7.9	11
36	Simple mathematical model of photovoltaic module for simulation in Matlab/Simulink. , 2014, , .		10

#	ARTICLE	IF	CITATIONS
37	Decentralized Unified Control for Inverter-Based AC Microgrids Subject to Voltage Constraints. IEEE Access, 2019, 7, 157318-157329.	4.2	10
38	Design and Transient Operation Assessment of Resonant FCLs in Bulk Power Systems. IEEE Transactions on Power Delivery, 2016, 31, 1580-1590.	4.3	8
39	A mathematical model for a stability-enhanced DC distribution system for power system integration of plug-in electric vehicles. , 2016, , .		6
40	RTISim: A New Real-Time Isolated Simulator for Turbine-Governor System of Industrial Power Plants. , 2018, , .		6
41	Decentralized Model-Based Predictive Control for DER Units Integration in AC Microgrids Subject to Operational and Safety Constraints. IEEE Transactions on Power Delivery, 2021, 36, 2479-2489.	4.3	6
42	A Power Mismatch Elimination Strategy for an MMC-based PV System in Unbalanced Grids. , 2018, , .		5
43	Iterative learning control of dispatchable grid-connected distributed energy resources for compensation of grid current harmonic distortions. International Journal of Electrical Power and Energy Systems, 2021, 131, 107064.	5.5	4
44	A mathematical model for a droop-controlled DC distribution system with a large number of DC-DC converters. , 2015, , .		3
45	Modeling and stability analysis of modular multilevel HVDC converters. , 2015, , .		3
46	Control of an islanded power-electronic converter as an oscillator. , 2016, , .		3
47	Paralleled DC-DC Converters Control Using Master-Slave Adaptive Fuzzy Backstepping Techniques. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2021, 45, 1343-1367.	2.3	3
48	Modeling and Current-Mode Control of a DC-DC Modular Multilevel Converter. IEEE Transactions on Industrial Electronics, 2021, 68, 10826-10834.	7.9	3
49	Modeling, Simulation, and Performance Analysis of Power Management Strategies for an Islanded Microgrid. International Journal of Energy Science, 2013, 3, 383.	0.6	3
50	A DC-Side Fault-Tolerant Bidirectional AC-DC Converter for Applications in Distribution Systems. IEEE Access, 2022, 10, 46608-46617.	4.2	3
51	A simple passive voltage-balancing scheme for three-phase induction generators interfaced with single-phase grids in micro hydroelectric systems. International Journal of Electrical Power and Energy Systems, 2016, 74, 42-48.	5.5	2
52	An Enhanced Damping Control Strategy for Circulating Current Suppression in Modular Multilevel Converters. , 2018, , .		1
53	Guest Editorial Joint Special Section on Power Conversion & Control in Photovoltaic Power Plants. IEEE Transactions on Energy Conversion, 2019, 34, 159-160.	5.2	1
54	Design and transient operation assessment of resonant FCLs in bulk power systems. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
55	Editorial: Introduction to the Special Section on Dynamic Modeling, System Identification, Analysis, and Control of Renewable Distributed Energy Resources for Grid Integration. IEEE Transactions on Sustainable Energy, 2019, 10, 1397-1398.	8.8	0