

# Amirnaser Yazdani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6937562/publications.pdf>

Version: 2024-02-01

55  
papers

4,649  
citations

201674

27  
h-index

254184

43  
g-index

56  
all docs

56  
docs citations

56  
times ranked

3643  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A DC-Side Fault-Tolerant Bidirectional AC-DC Converter for Applications in Distribution Systems. IEEE Access, 2022, 10, 46608-46617.	4.2	3
3	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
4	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
5	Adjustable Wind Farm Frequency Support Through Multi-Terminal HVDC Grids. IEEE Transactions on Sustainable Energy, 2021, 12, 1461-1472.	8.8	27
6	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
7	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
8	Modeling and Current-Mode Control of a DC-DC Modular Multilevel Converter. IEEE Transactions on Industrial Electronics, 2021, 68, 10826-10834.	7.9	3
9	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
10	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
11	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
12	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
13	Decentralized Unified Control for Inverter-Based AC Microgrids Subject to Voltage Constraints. IEEE Access, 2019, 7, 157318-157329.	4.2	10
14	A Hybrid MMC-Based Photovoltaic and Battery Energy Storage System. IEEE Power and Energy Technology Systems Journal, 2019, 6, 32-40.	2.8	58
15	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
16	Linear State-Feedback Primary Control for Enhanced Dynamic Response of AC Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 3149-3161.	9.0	35
17	A Power Mismatch Elimination Strategy for an MMC-Based Photovoltaic System. IEEE Transactions on Energy Conversion, 2018, 33, 1519-1528.	5.2	57
18	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

#	ARTICLE	IF	CITATIONS
19	An Enhanced Damping Control Strategy for Circulating Current Suppression in Modular Multilevel Converters. , 2018, , .		1
20	A Power Mismatch Elimination Strategy for an MMC-based PV System in Unbalanced Grids. , 2018, , .		5
21	RTISim: A New Real-Time Isolated Simulator for Turbine-Governor System of Industrial Power Plants. , 2018, , .		6
22	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
23	Design and transient operation assessment of resonant FCLs in bulk power systems. , 2017, , .		0
24	Control of an islanded power-electronic converter as an oscillator. , 2016, , .		3
25	Fractional-Order Sliding-Mode Control of Islanded Distributed Energy Resource Systems. IEEE Transactions on Sustainable Energy, 2016, 7, 1482-1491.	8.8	112
26	A mathematical model for a stability-enhanced DC distribution system for power system integration of plug-in electric vehicles. , 2016, , .		6
27	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
28	Design and Transient Operation Assessment of Resonant FCLs in Bulk Power Systems. IEEE Transactions on Power Delivery, 2016, 31, 1580-1590.	4.3	8
29	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
30	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
31	A mathematical model for a droop-controlled DC distribution system with a large number of DC-DC converters. , 2015, , .		3
32	Optimal sizing approach for islanded microgrids. IET Renewable Power Generation, 2015, 9, 166-175.	3.1	54
33	Modeling and stability analysis of modular multilevel HVDC converters. , 2015, , .		3
34	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
35	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
36	Simple mathematical model of photovoltaic module for simulation in Matlab/Simulink. , 2014, , .		10

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	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
41	A communication-based strategy for protection of microgrids with looped configuration. Electric Power Systems Research, 2013, 104, 52-61.	3.6	30
42	A DC distribution system for power system integration of Plug-In Hybrid Electric Vehicles. , 2013, , .		12
43	Modeling, Simulation, and Performance Analysis of Power Management Strategies for an Islanded Microgrid. International Journal of Energy Science, 2013, 3, 383.	0.6	3
44	A Unified Control Strategy for Electronically Interfaced Distributed Energy Resources. IEEE Transactions on Power Delivery, 2012, 27, 803-812.	4.3	78
45	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
46	A Communication-Assisted Protection Strategy for Inverter-Based Medium-Voltage Microgrids. IEEE Transactions on Smart Grid, 2012, 3, 2088-2099.	9.0	156
47	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
48	A Protection Strategy and Microprocessor-Based Relay for Low-Voltage Microgrids. IEEE Transactions on Power Delivery, 2011, 26, 1873-1883.	4.3	308
49	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
50	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
51	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
52	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
53	Multimode Control of a DFIG-Based Wind-Power Unit for Remote Applications. IEEE Transactions on Power Delivery, 2009, 24, 2079-2089.	4.3	63
54	Control of an islanded Distributed Energy Resource unit with load compensating feed-forward. , 2008, , .		42

#	ARTICLE	IF	CITATIONS
55	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