

Amer Mohammad Yusuf Mohammad Gh

List of Publications by Year in descending order

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46
papers

1,656
citations

361045

20
h-index

454577

30
g-index

46
all docs

46
docs citations

46
times ranked

1615
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Management and Control System for Laboratory Scale Microgrid Based Wind-PV-Battery. IEEE Transactions on Sustainable Energy, 2017, 8, 145-154.	5.9	331
2	Blockchain for Future Smart Grid: A Comprehensive Survey. IEEE Internet of Things Journal, 2021, 8, 18-43.	5.5	286
3	Voltage-Balancing Method Using Phase-Shifted PWM for the Flying Capacitor Multilevel Converter. IEEE Transactions on Power Electronics, 2014, 29, 4521-4531.	5.4	85
4	Cascade-Free Model Predictive Control for Single-Phase Grid-Connected Power Converters. IEEE Transactions on Industrial Electronics, 2017, 64, 285-294.	5.2	66
5	Robust Feedback Linearizing Control With Sliding Mode Compensation for a Grid-Connected Photovoltaic Inverter System Under Unbalanced Grid Voltages. IEEE Journal of Photovoltaics, 2017, 7, 828-838.	1.5	65
6	An Accurate, Shade Detection-Based Hybrid Maximum Power Point Tracking Approach for PV Systems. IEEE Transactions on Power Electronics, 2020, 35, 6594-6608.	5.4	57
7	Voltage Balancing Method for a Flying Capacitor Multilevel Converter Using Phase Disposition PWM. IEEE Transactions on Industrial Electronics, 2014, 61, 6538-6546.	5.2	55
8	Single-Carrier Phase-Disposition PWM Implementation for Multilevel Flying Capacitor Converters. IEEE Transactions on Power Electronics, 2015, 30, 5376-5380.	5.4	53
9	Robust Model Predictive Control for Photovoltaic Inverter System With Grid Fault Ride-Through Capability. IEEE Transactions on Smart Grid, 2018, 9, 5699-5709.	6.2	49
10	AA Reduced-Order Generalized Proportional Integral Observer-Based Resonant Super-Twisting Sliding Mode Control for Grid-Connected Power Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 5897-5908.	5.2	49
11	Three-Phase PLL for Grid-Connected Power Converters Under Both Amplitude and Phase Unbalanced Conditions. IEEE Transactions on Industrial Electronics, 2019, 66, 8881-8891.	5.2	48
12	Optimal Switching Transition-Based Voltage Balancing Method for Flying Capacitor Multilevel Converters. IEEE Transactions on Power Electronics, 2015, 30, 1804-1817.	5.4	45
13	On Improving Phase-Shifted PWM for Flying Capacitor Multilevel Converters. IEEE Transactions on Power Electronics, 2016, 31, 5384-5388.	5.4	44
14	Voltage-Balancing Method for Stacked Multicell Converters Using Phase-Disposition PWM. IEEE Transactions on Industrial Electronics, 2015, 62, 4001-4010.	5.2	42
15	Capacitor Voltages Measurement and Balancing in Flying Capacitor Multilevel Converters Utilizing a Single Voltage Sensor. IEEE Transactions on Power Electronics, 2017, 32, 8115-8123.	5.4	40
16	Initial Capacitor Charging in Grid-Connected Flying Capacitor Multilevel Converters. IEEE Transactions on Power Electronics, 2014, 29, 3245-3249.	5.4	39
17	An Active Voltage-Balancing Method Based on Phase-Shifted PWM for Stacked Multicell Converters. IEEE Transactions on Power Electronics, 2016, 31, 1921-1930.	5.4	39
18	Elimination of Low-Frequency Ripples and Regulation of Neutral-Point Voltage in Stacked Multicell Converters. IEEE Transactions on Power Electronics, 2017, 32, 164-175.	5.4	31

#	ARTICLE	IF	CITATIONS
19	Reliability Worth Analysis of Distribution Systems Using Cascade Correlation Neural Networks. IEEE Transactions on Power Systems, 2018, 33, 412-420.	4.6	21
20	Dual-mode operation based second-order sliding mode control for grid-connected solar photovoltaic energy system. International Journal of Electrical Power and Energy Systems, 2019, 111, 459-474.	3.3	21
21	Customizable Battery Power System for Marine and Offshore Applications: Trends, Configurations, and Challenges. IEEE Electrification Magazine, 2019, 7, 46-55.	1.8	19
22	Voltage balancing strategy for a five-level flying capacitor converter using phase disposition PWM with sawtooth-shaped carriers. , 2012, , .		17
23	Power Balance Modes and Dynamic Grid Power Flow in Solar PV and Battery Storage Experimental DC-Link Microgrid. IEEE Access, 2020, 8, 219847-219858.	2.6	16
24	On Reducing Power Losses in Stack Multicell Converters with Optimal Voltage Balancing Method. IEEE Transactions on Power Electronics, 2015, 30, 4682-4695.	5.4	13
25	Open-Loop Approach for Robust Detection of Selective Harmonic in Single-Phase System. IEEE Transactions on Industrial Informatics, 2019, 15, 6260-6269.	7.2	12
26	Control of Simulated Solar PV Microgrid Operating in Grid-Tied and Islanded Modes. , 2018, , .		11
27	Implementation of Water Cycle Optimization for Parametric Tuning of PI Controllers in Solar PV and Battery Storage Microgrid System. IEEE Systems Journal, 2022, 16, 1751-1762.	2.9	11
28	A Single-Objective Modulated Model Predictive Control for a Multilevel Flying Capacitor Converter in a DC Microgrid. IEEE Transactions on Power Electronics, 2021, , 1-1.	5.4	11
29	Voltage balancing method for the multilevel flying capacitor converter using phase-shifted PWM. , 2012, , .		9
30	Voltage balancing of a five-level flying capacitor converter using optimum switching transitions. , 2012, , .		8
31	Low-frequency voltage ripples in the flying capacitors of the nested neutral-point-clamped converter. , 2016, , .		8
32	Performance evaluation of a five-level flying capacitor converter with reduced DC bus capacitance under two different modulation schemes. , 2012, , .		7
33	Operational Limits of a Cascaded Dual-Output Multilevel Converter Using Model Predictive Control. IEEE Transactions on Power Electronics, 2021, 36, 7026-7037.	5.4	6
34	An Adaptive Dynamic Reference Control for Power Converters in a Microgrid. IEEE Transactions on Power Electronics, 2022, 37, 9164-9174.	5.4	6
35	Dynamic behaviour of a back-to-back five-level flying capacitor converter with reduced DC bus capacitance. , 2012, , .		5
36	Voltage balancing method using phase-shifted PWM for stacked multicell converters. , 2013, , .		5

#	ARTICLE	IF	CITATIONS
37	Central Power Management System for Hybrid PV/Battery AC-Bus Microgrid Using Typhoon HIL. , 2019, , .		5
38	Weighting Factor Free Model Predictive Control for a Flying Capacitor Converter in a DC Microgrid. IEEE Transactions on Energy Conversion, 2022, 37, 1030-1041.	3.7	5
39	Solid state transformer based on the flying capacitor multilevel converter for intelligent power management. , 2012, , .		4
40	Optimum state voltage balancing method for stacked multicell converters. , 2013, , .		4
41	Voltage balancing method for a seven-level stacked multicell converter using reduced switching transitions. , 2013, , .		2
42	Dual Active-Switched-Capacitor Quasi-Z-Source Inverter. , 2019, , .		2
43	Cascaded Multioutput Multilevel Converter: Modulation and Operating Limits. IEEE Transactions on Industrial Electronics, 2022, 69, 399-408.	5.2	2
44	An Optimized Hybrid Model-Based Unified-Phase-Shift Control Strategy for Single-Phase Dual Active Bridge DC-DC Converter. , 2022, , .		2
45	Analysis of a voltage balancing technique with reduced switching transitions in a flying capacitor multilevel converter. , 2013, , .		0
46	Low-Voltage Ride-Through Operation of Permanent Magnet Synchronous Generator with Active and Reactive Power Injection. , 2018, , .		0