

# Heya Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

281  
citations

1040056

9  
h-index

1199594

12  
g-index

22  
all docs

22  
docs citations

22  
times ranked

282  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Cost-Effective and DC-Fault Tolerant Alternate Arm Converter With Wide Range Voltage Adaptability. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 6673-6686.	5.4	13
2	Arm Phase-Shift Conducting Modulation for Alternate Arm Multilevel Converter With Half-Bridge Submodules. IEEE Transactions on Power Electronics, 2021, 36, 5223-5235.	7.9	21
3	An Open-circuit Fault Detection and Location Strategy for MMC with Feature Extraction and Random Forest. , 2021, , .		4
4	Active Thermal Control for Hybrid Modular Multilevel Converter Under Overmodulation Operation. IEEE Transactions on Power Electronics, 2020, 35, 4242-4255.	7.9	27
5	Islanding Detection Methods Based on Self-oscillation of Particular Frequency in DC Distribution Systems. , 2020, , .		5
6	Arm Phase-shift Modulation and Pre-charge Strategy for an Enhanced Alternate Arm Converter. , 2020, , .		2
7	A Statistical Submodule Open-Circuit Failure Diagnosis Method for Modular Multilevel Converters (MMCs) With Variance Measurement. IEEE Open Journal of Power Electronics, 2020, 1, 180-189.	5.7	11
8	Derivation and Comparison for Modular Multilevel Converter Topologies with Hybrid Structures. , 2020, , .		1
9	Open-circuit Fault Detection and Location in MMCs with Multivariate Gaussian Distribution. , 2020, , .		4
10	A Statistical Submodule Open-circuit Failure Diagnosis Method for MMCs Enabling Failure Detection, Localization and Classification. , 2019, , .		5
11	Open-circuit Failure Detection and Localization of Full-bridge Submodules for MMCs with Single Ring Theorem. , 2019, , .		2
12	Thermal Optimization of Modular Multilevel Converters With Surplus Submodule Active-Bypass Plus Neutral-Point-Shift Scheme Under Unbalanced Grid Conditions. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 1777-1788.	5.4	9
13	Capacitor Voltage Balance Control of Hybrid Modular Multilevel Converters With Second- Order Circulating Current Injection. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 157-167.	5.4	23
14	Neutral-Point-Shift-Based Active Thermal Control for a Modular Multilevel Converter Under a Single-Phase-to-Ground Fault. IEEE Transactions on Industrial Electronics, 2019, 66, 2474-2484.	7.9	26
15	Decoupled Current Control With Synchronous Frequency Damping for MMC Considering Sub-module Capacitor Voltage Ripple. IEEE Transactions on Power Delivery, 2018, 33, 419-428.	4.3	22
16	Adaptive DC voltage component modulation of submodules in modular multilevel converters for efficiency optimisation during wide AC voltage range. IET Power Electronics, 2018, 11, 1399-1406.	2.1	2
17	Average-Value Model of Modular Multilevel Converters Considering Capacitor Voltage Ripple. IEEE Transactions on Power Delivery, 2017, 32, 723-732.	4.3	72
18	Non-isolated stacked bidirectional soft-switching DC-DC converter with PWM plus phase-shift control scheme. Journal of Modern Power Systems and Clean Energy, 2017, 5, 631-641.	5.4	6

#	ARTICLE	IF	CITATIONS
19	Common-mode voltage injection-based nearest level modulation with loss reduction for modular multilevel converters. IET Renewable Power Generation, 2016, 10, 798-806.	3.1	20
20	Average-value model of modular multilevel converters considering capacitor voltage. , 2016, , .		3
21	Phase shift controlled modular DC/DC converter with input voltage auto balance ability. , 2014, , .		0
22	Comprehensive analysis on carrier-based PWM modulations for advanced composited clamping five-level converter. , 2014, , .		3