

# Heya Yang

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Average-Value Model of Modular Multilevel Converters Considering Capacitor Voltage Ripple. IEEE Transactions on Power Delivery, 2017, 32, 723-732.	4.3	72
2	Active Thermal Control for Hybrid Modular Multilevel Converter Under Overmodulation Operation. IEEE Transactions on Power Electronics, 2020, 35, 4242-4255.	7.9	27
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	A Statistical Submodule Open-circuit Failure Diagnosis Method for MMCs Enabling Failure Detection, Localization and Classification. , 2019, , .		5
13	Islanding Detection Methods Based on Self-oscillation of Particular Frequency in DC Distribution Systems. , 2020, , .		5
14	An Open-circuit Fault Detection and Location Strategy for MMC with Feature Extraction and Random Forest. , 2021, , .		4
15	Open-circuit Fault Detection and Location in MMCs with Multivariate Gaussian Distribution. , 2020, , .		4
16	Comprehensive analysis on carrier-based PWM modulations for advanced composited clamping five-level converter. , 2014, , .		3
17	Average-value model of modular multilevel converters considering capacitor voltage. , 2016, , .		3
18	Adaptive DC voltage component modulation of sub-modules in modular multilevel converters for efficiency optimisation during wide AC voltage range. IET Power Electronics, 2018, 11, 1399-1406.	2.1	2

#	ARTICLE	IF	CITATIONS
19	Open-circuit Failure Detection and Localization of Full-bridge Submodules for MMCs with Single Ring Theorem. , 2019, , .		2
20	Arm Phase-shift Modulation and Pre-charge Strategy for an Enhanced Alternate Arm Converter. , 2020, , .		2
21	Derivation and Comparison for Modular Multilevel Converter Topologies with Hybrid Structures. , 2020, , .		1
22	Phase shift controlled modular DC/DC converter with input voltage auto balance ability. , 2014, , .		0