

Andrew Stillwell

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Six-Level Flying Capacitor Multilevel Converter for Single-Phase Buck-Type Power Factor Correction. IEEE Transactions on Power Electronics, 2022, 37, 6335-6348.	7.9	14
2	Enabling Renewable Energy Technologies in Harsh Climates with Ultra-Efficient Electro-Thermal Desnowing, Defrosting, and Deicing. Advanced Functional Materials, 2022, 32, .	14.9	21
3	Theoretical Analysis and Experimental Validation of Flying-Capacitor Multilevel Converters Under Short-Circuit Fault Conditions. IEEE Transactions on Power Electronics, 2021, 36, 12292-12308.	7.9	6
4	A Resonant Switched-Capacitor Converter With GaN Transistors for High-Efficiency Power Delivery to Series-Stacked Processors. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3139-3150.	5.4	7
5	Water immersion cooling of high power density electronics. International Journal of Heat and Mass Transfer, 2020, 147, 118918.	4.8	87
6	A Five-Level Flying Capacitor Multilevel Converter With Integrated Auxiliary Power Supply and Start-Up. IEEE Transactions on Power Electronics, 2019, 34, 2900-2913.	7.9	33
7	A 6-level Flying Capacitor Multi-level Converter for Single Phase Buck-type Power Factor Correction. , 2019, , .		16
8	Active Voltage Balancing in Flying Capacitor Multi-Level Converters With Valley Current Detection and Constant Effective Duty Cycle Control. IEEE Transactions on Power Electronics, 2019, 34, 11429-11441.	7.9	64
9	Design Optimization of a 1500 V GaN-Based Solar Inverter Using Flying Capacitor Multi-Level Converter Stages. , 2019, , .		10
10	Constant Effective Duty Cycle Control for Flying Capacitor Balancing in flying Capacitor Multi-Level Converters. , 2018, , .		16
11	Design of a 1 kV bidirectional DC-DC converter with 650 V GaN transistors. , 2018, , .		17
12	A 2-kW Single-Phase Seven-Level Flying Capacitor Multilevel Inverter With an Active Energy Buffer. IEEE Transactions on Power Electronics, 2017, 32, 8570-8581.	7.9	239
13	A 5-level flying capacitor multi-level converter with integrated auxiliary power supply and start-up. , 2017, , .		35
14	An interleaved 1-to-6 step-up resonant switched-capacitor converter utilizing split-phase control. , 2016, , .		1
15	A method to extract low-voltage auxiliary power from a flying capacitor multi-level converter. , 2016, , .		10
16	A reliability assessment of series-stacked servers with server-to-bus differential power processing. , 2016, , .		5
17	A resonant switched-capacitor converter with GaN transistors for series-stacked processors with 99.8% power delivery efficiency. , 2015, , .		23