

Moonhyun Lee

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Modeling and Control of Three-Level Boost Rectifier Based Medium-Voltage Solid-State Transformer for DC Fast Charger Application. IEEE Transactions on Transportation Electrification, 2019, 5, 890-902.	7.8	41
2	PWM Resonant Converter With Asymmetric Modulation for ZVS Active Voltage Doubler Rectifier and Forced Half Resonance in PV Application. IEEE Transactions on Power Electronics, 2020, 35, 508-521.	7.9	27
3	A Hybrid Modulation Method for Single-Stage Soft-Switching Inverter Based on Series Resonant Converter. IEEE Transactions on Power Electronics, 2020, 35, 5785-5796.	7.9	20
4	A Hybrid Binary-Cascaded Multilevel Inverter With Simple Floating-Capacitor-Voltage Control. IEEE Transactions on Power Electronics, 2021, 36, 2218-2230.	7.9	18
5	Controller and EMI filter design for modular front-end solid-state transformer. , 2018, , .		17
6	Spread-Spectrum Frequency Modulation With Adaptive Three-Level Current Scheme to Improve EMI and Efficiency of Three-Level Boost DCM PFC. IEEE Transactions on Power Electronics, 2021, 36, 2476-2480.	7.9	16
7	Efficient <i>LLC</i> Resonant Converter With a Simple Hold-Up Time Compensation in Voltage Doubler Rectifier. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 843-850.	5.4	14
8	Fixed-Frequency Hybrid Conduction Mode Control for Three-Level Boost PFC Converter. IEEE Transactions on Power Electronics, 2021, 36, 8334-8346.	7.9	12
9	Digital-Based Critical Conduction Mode Control for Three-Level Boost PFC Converter. IEEE Transactions on Power Electronics, 2020, 35, 7689-7701.	7.9	11
10	Unified Voltage Balancing Feedforward for Three-Level Boost PFC Converter in Discontinuous and Critical Conduction Modes. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 441-445.	3.0	11
11	Single inductor dual buck-boost inverter based on half-cycle PWM scheme with active clamping devices. IET Power Electronics, 2019, 12, 1011-1020.	2.1	10
12	Derivation of DCM/CCM Boundary and Ideal Duty-Ratio Feedforward for Three-level Boost Rectifier. , 2019, , .		5
13	A Hybrid Binary Multilevel Cascaded Inverter for Medium-Voltage Applications. , 2021, , .		5
14	A new control method for series resonant inverter with inherently phase-locked coil current with induction cookware applications. , 2018, , .		4
15	Small-Signal Modeling of Three-Level Boost Rectifier and System Design for Medium-Voltage Solid-State Transformer. , 2019, , .		4
16	Design of Repetitive Controller and Input Filter for Active Front-End Rectifier in Solid-State Transformer Under Finite Harmonics and Source Impedance. , 2018, , .		3
17	Drain-Source Synchronous Rectification Efficiency and Light-Load Stability Improvement through Multi-Level Turn-Off for LLC-based DC-DC Converters. , 2019, , .		3
18	Three-Level Boost Converter With CRM Operation. , 2020, , .		0