

# Dong Liu

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Coupled-Inductor-Based Dual Active Bridge Converter With Soft Switching Capability and Low Component Count. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 4771-4782.	5.4	7
2	An Optimized DPS Control for Dual-Active-Bridge Converters to Secure Full-Load-Range ZVS With Low Current Stress. IEEE Transactions on Transportation Electrification, 2022, 8, 1389-1400.	7.8	30
3	Fault Modeling and Analysis of Grid-Connected Inverters With Decoupled Sequence Control. IEEE Transactions on Industrial Electronics, 2022, 69, 5782-5792.	7.9	16
4	Three Winding Coupled Inductor-Based Dual Active Bridge DC-DC Converter With Full Load Range ZVS Under Wide Voltage Range. IEEE Transactions on Industrial Electronics, 2022, 69, 6935-6947.	7.9	8
5	Aggregate regulation strategy of distributed energy storage under power spot market in China. IET Renewable Power Generation, 2022, 16, 313-328.	3.1	0
6	Enhanced Hierarchical Control Framework of Microgrids With Efficiency Improvement and Thermal Management. IEEE Transactions on Energy Conversion, 2021, 36, 11-22.	5.2	26
7	A Variable Phase-Shift Control Scheme for Extended-Duty-Ratio Boost Converter With Automatic Current Sharing in High Step-up High Current Application. IEEE Transactions on Industrial Electronics, 2021, 68, 6794-6805.	7.9	5
8	Efficiency-Prioritized Droop Control Strategy of AC Microgrid. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2936-2950.	5.4	30
9	Passivity-Based Design of Repetitive Controller for LCL-Type Grid-Connected Inverters Suitable for Microgrid Applications. IEEE Transactions on Power Electronics, 2021, 36, 2420-2431.	7.9	27
10	Light-Load Efficiency Enhancement of High-Frequency Dual-Active-Bridge Converter Under SPS Control. IEEE Transactions on Industrial Electronics, 2021, 68, 12941-12946.	7.9	37
11	A Nonlinear Stability Analysis Method of Grid-Connected Inverter. , 2021, , .		0
12	Balanced Power Device Currents Based Modulation Strategy for Full-Bridge Three-Level DC/DC Converter. IEEE Transactions on Power Electronics, 2020, 35, 2008-2022.	7.9	11
13	A Modified DQ Impedance Model of Three-Phase Grid-Connected Inverter-Grid System Considering Coupling between Inverter and Grid. , 2020, , .		2
14	Zero-voltage and Zero-current Switching (ZVZCS) Full-Bridge Three-Level DC/DC Converter. , 2020, , .		0
15	Output Admittance Passivation for Grid-Side Current Controlled LCL-Type Inverters using Capacitor-Voltage Feedforward. , 2020, , .		0
16	Passivity-Based Design of Grid-Side Current-Controlled LCL-Type Grid-Connected Inverters. IEEE Transactions on Power Electronics, 2020, 35, 9813-9823.	7.9	48
17	ZVZCS Full-Bridge Three-Level DC/DC Converter With Reduced Device Count. IEEE Transactions on Power Electronics, 2020, 35, 9965-9970.	7.9	11
18	Triple-Phase-Shift Modulation Strategy for Diode-Clamped Full-Bridge Three-Level Isolated DC/DC Converter. IEEE Access, 2020, 8, 2750-2759.	4.2	11

#	ARTICLE	IF	CITATIONS
19	Impacts of Inductor Nonlinear Characteristic in Multiconverter Microgrids: Modeling, Analysis, and Mitigation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3333-3347.	5.4	17
20	A New Harmonic Repetitive Controller for DG Interfacing Converters. , 2020, , .		0
21	A Robust Voltage Sensorless Droop Control Strategy of Microgrid Against Parameters Perturbation. , 2020, , .		1
22	Efficiency Modelling and Analysis of Multi-bus Microgrid with Transmission Network. , 2020, , .		0
23	A Comparative Study of Modulation Strategies for Diode-Clamped Full-Bridge Three-Level Isolated DC/DC Converter. , 2020, , .		0
24	Reference Submodule Based Capacitor Monitoring Strategy for Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2019, 34, 4711-4721.	7.9	57
25	Advanced sensorless power control strategy of renewable microgrids for reliability enhancement. Applied Energy, 2019, 255, 113850.	10.1	6
26	Robust Droop Control of AC Microgrid Against Nonlinear Characteristic of Inductor. , 2019, , .		11
27	Adaptive Droop Control Strategy of Autonomous Microgrid for Efficiency Improvement. , 2019, , .		7
28	Lifetime-Oriented Droop Control Strategy for AC Islanded Microgrids. IEEE Transactions on Industry Applications, 2019, 55, 3252-3263.	4.9	28
29	Zero-Voltage Switching Full-Bridge T-Type DC/DC Converter with Wide Input Voltage Range and Balanced Switch Currents. IEEE Transactions on Power Electronics, 2018, 33, 10449-10466.	7.9	28
30	Phase Compensated Reduced Order Generalized Integrators for Grid-Tied VSCs With Harmonics Compensation Capability. IEEE Transactions on Industry Applications, 2018, 54, 2568-2578.	4.9	25
31	Protection Scheme for Modular Multilevel Converters Under Diode Open-Circuit Faults. IEEE Transactions on Power Electronics, 2018, 33, 2866-2877.	7.9	32
32	Zero-Voltage Switching PWM Strategy Based Capacitor Current-Balancing Control for Half-Bridge Three-Level DC/DC Converter. IEEE Transactions on Power Electronics, 2018, 33, 357-369.	7.9	20
33	Periodically Swapping Modulation (PSM) Strategy for Three-Level (TL) DC/DC Converters With Balanced Switch Currents. IEEE Transactions on Industrial Electronics, 2018, 65, 412-423.	7.9	14
34	A Hierarchical Control Strategy of Microgrids toward Reliability Enhancement. , 2018, , .		21
35	A Buck Converter with Cost-Effective GaN/Si Hybrid Switches and CRM Operation for High-Efficiency and High-Power-Density Applications. , 2018, , .		5
36	Full-Bridge T-type Isolated DC/DC Converter with Wide Input Voltage Range. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	Triple-Phase-Shift Control Strategy for Full-Bridge Three-Level (FBTL) DC/DC Converter. , 2018, , .		2
38	Lifetime-Oriented Droop Control Strategy for AC Islanded Microgrids. , 2018, , .		2
39	A High Frequency High Efficiency GaN Based Bi-Directional 48V/12V Converter with PCB Coupled Inductor for Mild Hybrid Vehicle. , 2018, , .		12
40	A Single-Phase Double T-Type Seven-Level Inverter. , 2018, , .		9
41	Input-Parallel Output-Parallel Three-Level DC/DC Converters With Interleaving Control Strategy for Minimizing and Balancing Capacitor Ripple Currents. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 1122-1132.	5.4	36
42	Control strategy of wind turbine based on permanent magnet synchronous generator and energy storage for stand-alone systems. Chinese Journal of Electrical Engineering, 2017, 3, 51-62.	3.4	26
43	Five-Level Active-Neutral-Point-Clamped DC/DC Converter for Medium-Voltage DC Grids. IEEE Transactions on Power Electronics, 2017, 32, 3402-3412.	7.9	40
44	Capacitor monitoring for modular multilevel converters. , 2017, , .		12
45	The topologies research of a soft switching bidirectional DC/DC converter. , 2017, , .		4
46	Input-parallel output-parallel (IPOP) three-level (TL) DC/DC converters with minimized capacitor ripple currents. , 2016, , .		4
47	Modular multilevel converters based variable speed wind turbines for grid faults. , 2016, , .		7
48	A double phase-shift control strategy for a full-bridge three-level DC/DC converter. , 2016, , .		1
49	Five-level active-neutral-point-clamped DC/DC converter. , 2016, , .		0