

# Daolian Chen

## List of Publications by Year in descending order

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192  
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#	ARTICLE	IF	CITATIONS
1	Analysis, Design, and Implementation of a Differential Power Processing DMPPT With Multiple Buck-Boost Choppers for Photovoltaic Module. IEEE Transactions on Power Electronics, 2021, 36, 10214-10223.	7.9	63
2	A Power Adaptive Control Strategy for Further Extending the Operation Range of Single-Phase Cascaded H-Bridge Multilevel PV Inverter. IEEE Transactions on Industrial Electronics, 2022, 69, 1509-1520.	7.9	33
3	Single-Stage Three-Phase Current-Source Photovoltaic Grid-Connected Inverter High Voltage Transmission Ratio. IEEE Transactions on Power Electronics, 2017, 32, 7591-7601.	7.9	26
4	Transformerless High Step-Up DC-DC Converter With Low Voltage Stress for Fuel Cells. IEEE Access, 2021, 9, 10228-10238.	4.2	23
5	Nonlinear PWM-Controlled Single-Phase Boost Mode Grid-Connected Photovoltaic Inverter With Limited Storage Inductance Current. IEEE Transactions on Power Electronics, 2017, 32, 2717-2727.	7.9	21
6	Switched-Capacitor High Voltage Gain Z-Source Converter With Common Ground and Reduced Passive Component. IEEE Access, 2021, 9, 21395-21407.	4.2	20
7	Magnetic Field Prediction for Line-Start Permanent Magnet Synchronous Motor via Incorporating Geometry Approximation and Finite Difference Method Into Subdomain Model. IEEE Transactions on Industrial Electronics, 2023, 70, 2843-2854.	7.9	19
8	Active Power Backflow Control Strategy for Cascaded Photovoltaic Solid-State Transformer During Low-Voltage Ride Through. IEEE Transactions on Industrial Electronics, 2022, 69, 440-451.	7.9	18
9	A novel transformerless high step-up DC-DC converter with active switched-inductor and quasi-Z-source network. IET Power Electronics, 2021, 14, 1592-1605.	2.1	15
10	PMSM Torque Ripple Minimization Based on Novel Low Carrier Ratio PWM Technique. IEEE Transactions on Power Electronics, 2022, 37, 11071-11084.	7.9	12
11	A Buck Type Multi-Input Distributed Generation System With Parallel-Timesharing Power Supply. IEEE Access, 2020, 8, 79958-79968.	4.2	10
12	Analysis and Suppression of Active Power Backflow of Three-Phase Common DC-Bus Cascaded H-Bridge PV Grid-Connected Inverter During LVRT. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 745-759.	5.4	10
13	An Optimized LVRT Control Strategy of Cascaded Modular Medium-Voltage Inverter for Large-Scale PV Power Plant. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 7744-7759.	5.4	9
14	Research on the Module Power Equalization Control Strategy of Three-Phase Common DC-Bus Cascaded H-Bridge Multilevel Inverter for Large-Scale PV Power Plants. IEEE Access, 2020, 8, 181904-181915.	4.2	8
15	PMSM Current Harmonics Control Technique Based on Speed Adaptive Robust Control. IEEE Transactions on Transportation Electrification, 2022, 8, 1794-1806.	7.8	8
16	A Novel High Step-Up Quasi-Z-source DC-DC Converter with Coupled-inductor and Switched-Capacitor Techniques. , 2021, , .		6
17	Single-Phase ZVS Quasi-Z-Source Inverter With High Voltage Gain. IEEE Transactions on Power Electronics, 2022, 37, 4346-4357.	7.9	6
18	Single-Stage Multi-Input Buck Type High-Frequency Link's Inverters With Series and Simultaneous Power Supply. IEEE Transactions on Power Electronics, 2022, 37, 7411-7421.	7.9	5

#	ARTICLE	IF	CITATIONS
19	Single-Stage Multi-Input Buck Type High-Frequency Link's Inverters With Multiwinding and Time-Sharing Power Supply. IEEE Transactions on Power Electronics, 2022, 37, 12763-12773.	7.9	5
20	Simple Boost Modified Space Vector Modulation Strategy for Three-Phase Quasi-Z-Source Inverter. , 2020, , .		3
21	A voltage-fed single-stage multi-input inverter for hybrid wind/photovoltaic power generation system. Journal of Power Electronics, 2022, 22, 593-602.	1.5	3
22	A Magnetic Saturation Suppression Scheme of The Output Line-Frequency Transformer in Photovoltaic Inverter. , 2020, , .		2
23	Analysis of Automatic Frequency Tuning for Wireless Power Transfer Systems. , 2019, , .		1
24	Boost Type Multi-Input Independent Generation System With Multi-Winding Simultaneous Power Supply. IEEE Access, 2021, 9, 99805-99815.	4.2	1
25	Multi-winding Boost Multi-input DC-DC Converter Type Distributed Generation System. , 2019, , .		1
26	Boost Type Two-Stage Multi-Input High Frequency Link's Inverter with Multiple Windings Simultaneous Power Supply. , 2020, , .		1
27	Large Boost Ratio DC-DC Converter with Quasi-Z Source Network and Active Switched Inductor. , 2021, , .		1
28	Development and present status of multi-energy distributed power generation system. , 2016, , .		0
29	Selection of Impedance Network Parameters for Three-Phase Voltage-Fed Quasi-Z-Source Photovoltaic Grid-Connected Inverter with High Boost Capacity. , 2018, , .		0
30	A Novel Step-up Inverter with Wide Range Varied Input DC Voltage. , 2019, , .		0
31	A Single-Stage Three-Phase Grid-Connected Inverter with the Center-Tapped Energy Storage Inductor. , 2020, , .		0
32	A Forward-Type Single-Stage Multi-Input Inverter With Series-Time-Overlapping Power Supply. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 3613-3622.	5.4	0
33	A Quasi Single Stage Isolated Buck-Boost Mode Multi-input Inverter. , 2019, , .		0
34	ANovel Z-source Based High Step-Up DC-DC Converter with Switched-Capacitor for Renewable Energy Systems. , 2020, , .		0
35	Comparison of Harmonic Models of Nonlinear Home Appliances Based on Measured Data. , 2020, , .		0
36	Isolated Flyback DC-DC Chopper Mode Inverters with Feedforward-Proportional Integral-Repetitive Control. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
37	Novel High Voltage Gain DC-DC Converter with Low Voltage Stress for Renewable Energy Systems. , 2021, , .		0
38	Single-phase Quasi-Z-source Inverter with Enhanced-boost Ability. , 2021, , .		0