

Hao Tian

List of Publications by Year in descending order

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1192
citing authors

#	ARTICLE	IF	CITATIONS
1	Multirate Finite-Control-Set Model Predictive Control for High Switching Frequency Power Converters. IEEE Transactions on Industrial Electronics, 2022, 69, 3382-3392.	5.2	23
2	Modified Carrier-Overlapped PWM With Balanced Capacitors and Eliminated Dead-Time Spikes for Four-Level NNPC Converters Under Low Frequency. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 6832-6844.	3.7	5
3	A Carrier-Based Modulation Strategy for Modular Isolated Matrix Rectifiers. IEEE Transactions on Industry Applications, 2022, 58, 2195-2205.	3.3	4
4	Hybrid Voltage Balancing Control for Four-Level Hybrid-Clamped Converters With Low Switching Frequency. IEEE Transactions on Industrial Electronics, 2022, 69, 11165-11176.	5.2	6
5	Boosting Nine-Level Operation of Seven-Level Hybrid-Clamped (7L-HC) Converter. IEEE Transactions on Power Electronics, 2022, 37, 6265-6270.	5.4	1
6	Generalized Low Switching Frequency Modulation for Neutral-Point-Clamped and Flying-Capacitor Four-Level Converters. IEEE Transactions on Power Electronics, 2022, 37, 8087-8103.	5.4	7
7	Capacitor Pre-Charge Method for Back-to-Back Seven-Level Hybrid Clamped Converter Without Extra Power Supply. IEEE Transactions on Industrial Electronics, 2022, 69, 12326-12335.	5.2	0
8	A Composite Selective Harmonic Elimination Model Predictive Control for Seven-Level Hybrid-Clamped Inverters With Optimal Switching Patterns. IEEE Transactions on Power Electronics, 2021, 36, 274-284.	5.4	27
9	SVM Strategy for Mitigating Low-Order Harmonics in Isolated AC-DC Matrix Converter. IEEE Transactions on Power Electronics, 2021, 36, 583-596.	5.4	25
10	Virtual Resistor Based Second-Order Ripple Sharing Control for Distributed Bidirectional DC-DC Converters in Hybrid AC-DC Microgrid. IEEE Transactions on Power Electronics, 2021, 36, 2258-2269.	5.4	31
11	Coordination Control of Modulation Index and Phase Shift Angle for Current Stress Reduction in Isolated AC-DC Matrix Converter. IEEE Transactions on Power Electronics, 2021, 36, 4585-4596.	5.4	22
12	An Improved SVM Strategy to Reduce DC Current Ripple for AC-DC Matrix Converter. IEEE Transactions on Industry Applications, 2021, 57, 570-579.	3.3	6
13	Finite Control Set Model Predictive Control for AC-DC Matrix Converter With Virtual Space Vectors. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 616-628.	3.7	21
14	A Two-stage Robust Optimal Allocation Model of Distributed Generation Considering Capacity Curve and Real-time Price Based Demand Response. Journal of Modern Power Systems and Clean Energy, 2021, 9, 114-127.	3.3	26
15	A New Space Vector Modulation Strategy to Enhance AC Current Quality of Isolated DC-AC Matrix Converter. IEEE Transactions on Industry Applications, 2021, 57, 2602-2612.	3.3	9
16	Commutation Scheme of Seven-Level Hybrid-Clamped Converters With Suppressed Deadband-Induced Voltage Spikes. IEEE Transactions on Industrial Electronics, 2021, 68, 11663-11672.	5.2	11
17	Voltage Characteristic Analysis of Ultra-high Voltage Half-wavelength Transmission System Based on Wave Process Method. Journal of Modern Power Systems and Clean Energy, 2020, 8, 150-158.	3.3	4
18	Improved synthetic route of exo-16,17-dihydro-gibberellin A5-acetate and the bioactivity of its derivatives towards Arabidopsis thaliana. Pest Management Science, 2020, 76, 807-817.	1.7	8

#	ARTICLE	IF	CITATIONS
19	Multirate Harmonic Compensation Control for Low Switching Frequency Converters: Scheme, Modeling, and Analysis. IEEE Transactions on Power Electronics, 2020, 35, 4143-4156.	5.4	14
20	An Active Capacitor Voltage Balancing Method for Seven-Level Hybrid Clamped (7L-HC) Converter in Motor Drives. IEEE Transactions on Power Electronics, 2020, 35, 2372-2388.	5.4	25
21	Generalized Phase-Shift PWM for Active-Neutral-Point-Clamped Multilevel Converter. IEEE Transactions on Industrial Electronics, 2020, 67, 9048-9058.	5.2	15
22	An Improved SVM Strategy to Reduce DC Current Ripple for AC-DC Matrix Converter. , 2020, , .		1
23	An SVM Strategy with Two-step Commutation for Isolated AC-DC Matrix Converter. , 2020, , .		5
24	A Novel Voltage Balancing Strategy for Four-Level Hybrid-Clamped Converters Under Selective Harmonic Elimination PWM. , 2020, , .		0
25	Coordinated generation and transmission expansion planning approach considering probabilistic available transfer capability. IOP Conference Series: Materials Science and Engineering, 2020, 853, 012004.	0.3	0
26	Systematic Derivation of Simplified Active-Neutral-Point-Clamped Multilevel Converter through Matrix Models. , 2019, , .		3
27	A Modular Design Approach to Provide Exhaustive Carrier-Based PWM Patterns for Multilevel ANPC Converters. IEEE Transactions on Industry Applications, 2019, 55, 5032-5044.	3.3	10
28	Power Quality Control of Smart Hybrid AC/DC Microgrids: An Overview. IEEE Access, 2019, 7, 52295-52318.	2.6	164
29	Transient Stability Mechanism Analysis Considering Characteristics of Half-Wavelength Lines. , 2019, , .		0
30	Application of Brassinosteroid Mimetics Improves Growth and Tolerance of Maize to Nicosulfuron Toxicity. Journal of Plant Growth Regulation, 2019, 38, 701-712.	2.8	21
31	A Novel Seven-Level Hybrid-Clamped (HC) Topology for Medium-Voltage Motor Drives. IEEE Transactions on Power Electronics, 2018, 33, 5543-5547.	5.4	62
32	Hybrid AC/DC System Harmonics Control Through Grid Interfacing Converters With Low Switching Frequency. IEEE Transactions on Industrial Electronics, 2018, 65, 2256-2267.	5.2	46
33	A harmonic compensation approach for interlinking voltage source converters in hybrid AC-DC microgrids with low switching frequency. CSEE Journal of Power and Energy Systems, 2018, 4, 39-48.	1.7	23
34	Carrier-Based Stair Edge PWM (SEPWM) for Capacitor Balancing in Multilevel Converters With Floating Capacitors. IEEE Transactions on Industry Applications, 2018, 54, 3440-3452.	3.3	37
35	A Reconstructed Circuit Parameters Estimation (RCPE) Strategy of Modular Multiple Dual Active Bridge DC-DC Converters for Power Sharing Control. , 2018, , .		1
36	Virtual Resistor Based Harmonic Sharing of DC Active Power Filter in Hybrid AC-DC Microgrid. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
37	Non-ideal Factors Impacts on Voltage Distribution Along Half-wavelength Transmission Line. , 2018, , .		0
38	Seven Level Hybrid Clamped (7L-HC) Converter in Medium Voltage Wind Energy Conversion Systems. , 2018, , .		3
39	Carrier-based PWM design of multilevel ANPC-based converter through hierarchical decomposition. , 2018, , .		3
40	Carrier based three-level PWM for improving flying capacitor balancing of Nested Neutral-Point-Clamped (NNPC) converter. , 2017, , .		9
41	Reactive power optimization and voltage control for half-wavelength power transmission system. , 2017, , .		2
42	Synthesis of Gibberellic Acid Derivatives and Their Effects on Plant Growth. Molecules, 2017, 22, 694.	1.7	12
43	Decision Optimization for Power Grid Operating Conditions with High- and Low-Voltage Parallel Loops. Applied Sciences (Switzerland), 2017, 7, 487.	1.3	3
44	Multi-rate modeling for low switching frequency VSCs applying multi-sampling control. , 2017, , .		2
45	A feed-forward based harmonic compensation approach for low switching frequency grid interfacing VSI. , 2016, , .		1
46	Energy Management Strategy of Multiple Supercapacitors in a DC Microgrid Using Adaptive Virtual Impedance. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 1174-1185.	3.7	70
47	Energy management strategy of multiple supercapacitors in an autonomous DC microgrid using adaptive virtual impedance. , 2016, , .		2
48	Improved Residential Distribution System Harmonic Compensation Scheme Using Power Electronics Interfaced DGs. IEEE Transactions on Smart Grid, 2016, 7, 1191-1203.	6.2	33
49	Adaptive DC-Link Voltage Control of Two-Stage Photovoltaic Inverter During Low Voltage Ride-Through Operation. IEEE Transactions on Power Electronics, 2016, 31, 4182-4194.	5.4	153
50	Output current control for grid interfacing VSI under low switching frequency and distorted grid. , 2015, , .		4
51	Control of Parallel-Connected Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2015, 30, 372-386.	5.4	28
52	Dead-time elimination method of nine-switch converter. IET Power Electronics, 2014, 7, 1759-1769.	1.5	17
53	A review of low voltage ride-through techniques for photovoltaic generation systems. , 2014, , .		13
54	Robust control of two-stage photovoltaic inverter for unbalanced low voltage ride-through operation. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
55	Low voltage ride through of two-stage photovoltaic inverter with enhanced operational performance. , 2012, , .		15
56	Advanced performance control of two-stage grid-tied photovoltaic inverter with fast energy storage component. , 2012, , .		3
57	Novel low voltage ride through strategy of single-stage grid-tied photovoltaic inverter with supercapacitor coupled. , 2012, , .		9