

Hao Tian

List of Publications by Year in descending order

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57
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57
times ranked

1063
citing authors

#	ARTICLE	IF	CITATIONS
1	Power Quality Control of Smart Hybrid AC/DC Microgrids: An Overview. IEEE Access, 2019, 7, 52295-52318.	4.2	164
2	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.	7.9	153
3	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.	5.4	70
4	A Novel Seven-Level Hybrid-Clamped (HC) Topology for Medium-Voltage Motor Drives. IEEE Transactions on Power Electronics, 2018, 33, 5543-5547.	7.9	62
5	Hybrid AC/DC System Harmonics Control Through Grid Interfacing Converters With Low Switching Frequency. IEEE Transactions on Industrial Electronics, 2018, 65, 2256-2267.	7.9	46
6	Carrier-Based Stair Edge PWM (SEPWM) for Capacitor Balancing in Multilevel Converters With Floating Capacitors. IEEE Transactions on Industry Applications, 2018, 54, 3440-3452.	4.9	37
7	Improved Residential Distribution System Harmonic Compensation Scheme Using Power Electronics Interfaced DGs. IEEE Transactions on Smart Grid, 2016, 7, 1191-1203.	9.0	33
8	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.	7.9	31
9	Control of Parallel-Connected Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2015, 30, 372-386.	7.9	28
10	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.	7.9	27
11	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.	5.4	26
12	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.	7.9	25
13	SVM Strategy for Mitigating Low-Order Harmonics in Isolated AC-DC Matrix Converter. IEEE Transactions on Power Electronics, 2021, 36, 583-596.	7.9	25
14	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.	1.1	23
15	Multirate Finite-Control-Set Model Predictive Control for High Switching Frequency Power Converters. IEEE Transactions on Industrial Electronics, 2022, 69, 3382-3392.	7.9	23
16	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.	7.9	22
17	Application of Brassinosteroid Mimetics Improves Growth and Tolerance of Maize to Nicosulfuron Toxicity. Journal of Plant Growth Regulation, 2019, 38, 701-712.	5.1	21
18	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.	5.4	21

#	ARTICLE	IF	CITATIONS
19	Dead-time elimination method of nine-switch converter. IET Power Electronics, 2014, 7, 1759-1769.	2.1	17
20	Low voltage ride through of two-stage photovoltaic inverter with enhanced operational performance. , 2012, , .		15
21	Generalized Phase-Shift PWM for Active-Neutral-Point-Clamped Multilevel Converter. IEEE Transactions on Industrial Electronics, 2020, 67, 9048-9058.	7.9	15
22	Multirate Harmonic Compensation Control for Low Switching Frequency Converters: Scheme, Modeling, and Analysis. IEEE Transactions on Power Electronics, 2020, 35, 4143-4156.	7.9	14
23	A review of low voltage ride-through techniques for photovoltaic generation systems. , 2014, , .		13
24	Synthesis of Gibberellic Acid Derivatives and Their Effects on Plant Growth. Molecules, 2017, 22, 694.	3.8	12
25	Commutation Scheme of Seven-Level Hybrid-Clamped Converters With Suppressed Deadband-Induced Voltage Spikes. IEEE Transactions on Industrial Electronics, 2021, 68, 11663-11672.	7.9	11
26	A Modular Design Approach to Provide Exhaustive Carrier-Based PWM Patterns for Multilevel ANPC Converters. IEEE Transactions on Industry Applications, 2019, 55, 5032-5044.	4.9	10
27	Novel low voltage ride through strategy of single-stage grid-tied photovoltaic inverter with supercapacitor coupled. , 2012, , .		9
28	Carrier based three-level PWM for improving flying capacitor balancing of Nested Neutral-Point-Clamped (NNPC) converter. , 2017, , .		9
29	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.	4.9	9
30	Improved synthetic route of exo-16,17-dihydro-gibberellin A5-13-acetate and the bioactivity of its derivatives towards Arabidopsis thaliana. Pest Management Science, 2020, 76, 807-817.	3.4	8
31	Generalized Low Switching Frequency Modulation for Neutral-Point-Clamped and Flying-Capacitor Four-Level Converters. IEEE Transactions on Power Electronics, 2022, 37, 8087-8103.	7.9	7
32	An Improved SVM Strategy to Reduce DC Current Ripple for AC-DC Matrix Converter. IEEE Transactions on Industry Applications, 2021, 57, 570-579.	4.9	6
33	Hybrid Voltage Balancing Control for Four-Level Hybrid-Clamped Converters With Low Switching Frequency. IEEE Transactions on Industrial Electronics, 2022, 69, 11165-11176.	7.9	6
34	An SVM Strategy with Two-step Commutation for Isolated AC-DC Matrix Converter. , 2020, , .		5
35	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.	5.4	5
36	Output current control for grid interfacing VSI under low switching frequency and distorted grid. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
37	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.	5.4	4
38	A Carrier-Based Modulation Strategy for Modular Isolated Matrix Rectifiers. IEEE Transactions on Industry Applications, 2022, 58, 2195-2205.	4.9	4
39	Advanced performance control of two-stage grid-tied photovoltaic inverter with fast energy storage component. , 2012, , .		3
40	Decision Optimization for Power Grid Operating Conditions with High- and Low-Voltage Parallel Loops. Applied Sciences (Switzerland), 2017, 7, 487.	2.5	3
41	Seven Level Hybrid Clamped (7L-HC) Converter in Medium Voltage Wind Energy Conversion Systems. , 2018, , .		3
42	Carrier-based PWM design of multilevel ANPC-based converter through hierarchical decomposition. , 2018, , .		3
43	Systematic Derivation of Simplified Active-Neutral-Point-Clamped Multilevel Converter through Matrix Models. , 2019, , .		3
44	Robust control of two-stage photovoltaic inverter for unbalanced low voltage ride-through operation. , 2014, , .		2
45	Energy management strategy of multiple supercapacitors in an autonomous DC microgrid using adaptive virtual impedance. , 2016, , .		2
46	Reactive power optimization and voltage control for half-wavelength power transmission system. , 2017, , .		2
47	Multi-rate modeling for low switching frequency VSCs applying multi-sampling control. , 2017, , .		2
48	A feed-forward based harmonic compensation approach for low switching frequency grid interfacing VSI. , 2016, , .		1
49	A Reconstructed Circuit Parameters Estimation (RCPE) Strategy of Modular Multiple Dual Active Bridge DC-DC Converters for Power Sharing Control. , 2018, , .		1
50	Virtual Resistor Based Harmonic Sharing of DC Active Power Filter in Hybrid AC-DC Microgrid. , 2018, , .		1
51	An Improved SVM Strategy to Reduce DC Current Ripple for AC-DC Matrix Converter. , 2020, , .		1
52	Boosting Nine-Level Operation of Seven-Level Hybrid-Clamped (7L-HC) Converter. IEEE Transactions on Power Electronics, 2022, 37, 6265-6270.	7.9	1
53	Non-ideal Factors Impacts on Voltage Distribution Along Half-wavelength Transmission Line. , 2018, , .		0
54	Transient Stability Mechanism Analysis Considering Characteristics of Half-Wavelength Lines. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
55	A Novel Voltage Balancing Strategy for Four-Level Hybrid-Clamped Converters Under Selective Harmonic Elimination PWM. , 2020, , .		0
56	Coordinated generation and transmission expansion planning approach considering probabilistic available transfer capability. IOP Conference Series: Materials Science and Engineering, 2020, 853, 012004.	0.6	0
57	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.	7.9	0