

# Cheng Xue

## List of Publications by Year in descending order

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19  
papers

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citations

840585

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996849

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docs citations

19  
times ranked

313  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Constant Switching Frequency Finite-Control-Set Predictive Current Control Scheme of a Five-Phase Inverter With Duty-Ratio Optimization. IEEE Transactions on Power Electronics, 2018, 33, 3583-3594.	5.4	95
2	Finite controlâ€¦set model predictive current control of fiveâ€¦phase permanentâ€¦magnet synchronous machine based on virtual voltage vectors. IET Electric Power Applications, 2017, 11, 836-846.	1.1	71
3	Low-Complexity Model Predictive Torque Control Method Without Weighting Factor for Five-Phase PMSM Based on Hysteresis Comparators. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1650-1661.	3.7	53
4	Multi-Port DC-AC Converter With Differential Power Processing DC-DC Converter and Flexible Power Control for Battery ESS Integrated PV Systems. IEEE Transactions on Industrial Electronics, 2022, 69, 4879-4889.	5.2	31
5	Finite-Control-Set Model Predictive Control for Three-Level NPC Inverter-Fed PMSM Drives With \$LC\$ Filter. IEEE Transactions on Industrial Electronics, 2021, 68, 11980-11991.	5.2	29
6	Improved Model Predictive Control for High-Power Current-Source Rectifiers Under Normal and Distorted Grid Conditions. IEEE Transactions on Power Electronics, 2020, 35, 4588-4601.	5.4	24
7	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
8	Hybrid Model Predictive Current and Voltage Control for LCL-Filtered Grid-Connected Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5747-5760.	3.7	22
9	Modulated Finite-Control-Set Model Predictive Current Control for Five-Phase Voltage-Source Inverter. IEEE Transactions on Transportation Electrification, 2021, 7, 718-729.	5.3	21
10	A Generalized Selective Harmonic Elimination PWM Formulation With Common-Mode Voltage Reduction Ability for Multilevel Converters. IEEE Transactions on Power Electronics, 2021, 36, 10753-10765.	5.4	18
11	Model Predictive Control for Grid-Tied Multi-Port System With Integrated PV and Battery Storage. IEEE Transactions on Smart Grid, 2022, 13, 4596-4609.	6.2	12
12	Model Predictive Control With Reduced Common-Mode Current for Transformerless Current-Source PMSM Drives. IEEE Transactions on Power Electronics, 2021, 36, 8114-8127.	5.4	11
13	CCS-MPC with Long Predictive Horizon for Grid-Connected Current Source Converter. , 2020, , .		10
14	Model Predictive Control for Grid-Connected Current-Source Converter With Enhanced Robustness and Grid-Current Feedback Only. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 5591-5603.	3.7	4
15	Improved Finite Control Set Model Predictive Control for Parallel Dual-Converter-Fed PMSM Drives. IEEE Transactions on Industrial Electronics, 2023, 70, 3581-3592.	5.2	4
16	Model-Based Closed-Loop Control for High-Power Current Source Rectifiers Under Selective Harmonic Elimination/Compensation PWM With Fast Dynamics. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 5921-5932.	3.7	3
17	Model predictive current control schemes for five-phase permanent-magnet synchronous machine based on SVPWM. , 2016, , .		2
18	Modulated Model Predictive Control for Grid-Connected Current Source Converter With LC Resonance Suppression. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
19	Model Predictive Control for LCL-Filtered DC-Grid Interfacing Inverters With State Variable and Input Disturbance Estimation. , 2021, , .		1