

Paolo Gherardo Carlet

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An Effective Model-Free Predictive Current Control for Synchronous Reluctance Motor Drives. IEEE Transactions on Industry Applications, 2019, 55, 3781-3790.	4.9	104
2	Motor Parameter-Free Predictive Current Control of Synchronous Motors by Recursive Least-Square Self-Commissioning Model. IEEE Transactions on Industrial Electronics, 2020, 67, 9093-9100.	7.9	74
3	Data-Driven Continuous-Set Predictive Current Control for Synchronous Motor Drives. IEEE Transactions on Power Electronics, 2022, 37, 6637-6646.	7.9	53
4	Integral Model Predictive Current Control for Synchronous Motor Drives. IEEE Transactions on Power Electronics, 2021, 36, 13293-13303.	7.9	30
5	On-line Continuous Control Set MPC for PMSM drives current loops at high sampling rate using qpOASES. , 2019, , .		21
6	Data-driven predictive current control for synchronous motor drives. , 2020, , .		18
7	A Model Predictive Control for Synchronous Motor Drive with Integral Action. , 2018, , .		16
8	An Effective Ellipse Fitting Technique of the Current Response Locus to Rotating HF Voltage Injection in IPMSM for Sensorless Rotor Position Estimation. , 2018, , .		13
9	A speed and current cascade Continuous Control Set Model Predictive Control architecture for synchronous motor drives. , 2019, , .		13
10	Digital Twins as Electric Motor Soft-Sensors in the Automotive Industry. , 2021, , .		10
11	Active-Flux-Based Motion-Sensorless Control of PMSM Using Moving Horizon Estimator. , 2018, , .		9
12	Fast Solver for Implicit Continuous Set Model Predictive Control of Electric Drives. IEEE Access, 2022, 10, 17430-17440.	4.2	8
13	A Review about Flux-Weakening Operating Limits and Control Techniques for Synchronous Motor Drives. Energies, 2022, 15, 1930.	3.1	8
14	Current Ripple Minimisation in Deadbeat Parameter-Free Predictive Control of Synchronous Motor Drives. IEEE Open Journal of Industry Applications, 2021, 2, 278-288.	6.5	6
15	Fast and Robust Model Free Predictive Current Control for SynREL Motor Drives. , 2018, , .		5
16	A Novel Formulation of Continuous Control Set MPC for Induction Motor Drives. , 2019, , .		4
17	MHE-MPC Based Control Architecture of an LCL Filter Grid-Connected PWM Inverter. , 2019, , .		2
18	Fast Moving Horizon Estimator for Induction Motor Sensorless Control. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	Sensorless control of Interior Permanent Magnet motor using a Moving Horizon Estimator based on a linearized motor model. , 2019, , .		1