

Xiaochun Fang

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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121
citing authors

#	ARTICLE	IF	CITATIONS
1	Model Predictive Current Control of Traction Permanent Magnet Synchronous Motors in Six-Step Operation for Railway Application. IEEE Transactions on Industrial Electronics, 2022, 69, 8751-8759.	7.9	10
2	Multiobjective Model Predictive Current Control Method of Permanent Magnet Synchronous Traction Motors With Multiple Current Bounds in Railway Application. IEEE Transactions on Industrial Electronics, 2022, 69, 12348-12357.	7.9	4
3	Research on Sizing Method of Tram Vehicle Hybrid Energy Storage System. , 2020, , .		0
4	Hierarchical Optimization of an On-Board Supercapacitor Energy Storage System Considering Train Electric Braking Characteristics and System Loss. IEEE Transactions on Vehicular Technology, 2020, 69, 2576-2587.	6.3	21
5	Simple current control of permanent magnet synchronous machines for railway traction operating in six-step. IET Electric Power Applications, 2020, 14, 2640-2647.	1.8	1
6	Research on Multi-convergence Point Problem of Sensorless Control in Induction Motor Based on Z-MRAS. , 2020, , .		4
7	Current closed-loop control and field orientation analysis of an induction motor in six-step operation for railway applications. IET Power Electronics, 2019, 12, 1462-1469.	2.1	11
8	Torque Ripple Minimization of Predictive Current Control for IPMSMs with Improved Cost Function Design. , 2019, , .		3
9	Predictive Common-Mode Voltage Suppression Method Based on Current Ripple for Permanent Magnet Synchronous Motors. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 946-955.	5.4	17
10	Train Impedance Reshaping Method for Suppressing Harmonic Resonance Caused by Various Harmonic Sources in Trains-Network Systems With Auxiliary Converter of Electrical Locomotive. IEEE Access, 2019, 7, 179552-179563.	4.2	9
11	Research on multiple topology and modulation strategy of large capacity traction inverter for high speed maglev train. , 2019, , .		1
12	Self-adjusting strategy based on rotating injection for sensorless control of high-power PMSM drives. , 2019, , .		4
13	Adhesion Control Strategy Based on the Wheel-Rail Adhesion State Observation for High-Speed Trains. Electronics (Switzerland), 2018, 7, 70.	3.1	12
14	COMMON MODE VOLTAGE SUPPRESSION METHOD BASED ON MODEL PREDICTIVE CONTROL FOR A PERMANENT MAGNET SYNCHRONOUS MOTOR CONSIDERING CURRENT ERROR LIMIT. WIT Transactions on the Built Environment, 2018, , .	0.0	0
15	Predictive current control of permanent-magnet synchronous motors for rail transit including quasi six-step operation. , 2017, , .		6
16	Permanent magnet synchronous traction motor torque close-loop control based on stator flux observation for urban rail train. , 2016, , .		3
17	An Improved Central 60° Synchronous Modulation for High Transient Performance with PMSM Stator Flux Control Used in Urban Rail Transit Systems. Journal of Power Electronics, 2016, 16, 542-552.	1.5	4
18	A modified flux-weakening control method of PMSM based on the d-q current cross-coupling effect. , 2014, , .		6

#	ARTICLE	IF	CITATIONS
19	Virtual Development Platform of High-Speed Train Traction Drive System in View of Top-Level Goals. , 2013, , .		0