

Junlei Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Sensorless Control for SynRM Drives Using a Pseudo-Random High-Frequency Triangular-Wave Current Signal Injection Scheme. IEEE Transactions on Power Electronics, 2022, 37, 7122-7131.	7.9	17
2	A Super-Twisting Sliding-Mode Stator Flux Observer for Sensorless Direct Torque and Flux Control of IPMSM. Energies, 2019, 12, 2564.	3.1	7
3	Sensorless flux adaption DTFC of an IPMSM based on an active fluxâ€based MTPA and an adaptive secondâ€order sliding mode observer. IET Power Electronics, 2020, 13, 1875-1884.	2.1	6
4	Comparative study of sensorless control of Permanent magnet synchronous motor realised by slidingâ€mode observer. IET Power Electronics, 2020, 13, 1191-1199.	2.1	5
5	Secondâ€order lead compensatorâ€based quadrature PLL for sensorless interior permanent magnet synchronous motor control. IET Power Electronics, 2020, 13, 568-575.	2.1	4
6	A Current Harmonic Suppression Method for PMSM Based on Harmonic Prediction Adaptive Notch Filter. IEEE Transactions on Energy Conversion, 2022, , 1-1.	5.2	4
7	Flux control of consequent-pole hybrid excitation motors in constant power region to achieve both high efficiency and fast convergence speed. Journal of Power Electronics, 2022, 22, 10-21.	1.5	3
8	Sensorless Control of Synchronous Reluctance Motors for Low-Speed Operation Considering Cross-Saturation Effect. , 2021, , .		3
9	Direct torque control of synchronous reluctance motor in M-T reference frame considering magnetic circuit saturation and cross saturation. , 2020, , .		2
10	Fault-Tolerant Sensorless Control of Position Sensor Failure for Permanent Magnet Vernier Machine. , 2020, , .		1
11	Sensorless Direct Torque and Flux Control of IPMSMs Using Pseudo-Random HF Square-Wave Voltage Injection into a Stator Flux Reference Frame. , 2020, , .		0