

Tiantian Sheng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Torque-Ripple Mitigation for Brushless DC Machine Drive System Using One-Cycle Average Torque Control. IEEE Transactions on Industrial Electronics, 2015, 62, 2114-2122.	7.9	52
2	Operation Principle and Torque Component Quantification of Short-Pitched Flux-Bidirectional-Modulation Machine. IEEE Access, 2019, 7, 136676-136685.	4.2	17
3	A Novel Design Method for the Electrical Machines With Biased DC Excitation Flux Linkage. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	11
4	Design of Doubly Complementary Stator-PM Machine With High Magnet Utilization Factor for Low-Cost Applications. IEEE Transactions on Energy Conversion, 2018, 33, 567-575.	5.2	8
5	A Novel Axial-Flux-Complementary Doubly Salient Machine With Boosted PM Utilization for Cost-Effective Direct-Drive Applications. IEEE Access, 2019, 7, 145970-145977.	4.2	8
6	Design and analysis of novel double stator biased flux machines. , 2016, , .		7
7	Topology Exploration and Torque Component Analysis of Double Stator Biased Flux Machines Based on Magnetic Field Modulation Mechanism. IEEE Transactions on Energy Conversion, 2018, 33, 584-593.	5.2	6
8	Novel biased flux machine with double salient structure. , 2016, , .		5
9	A Novel Zero-Sequence-Current-Based Dual-Stator Biased-Flux Machine. IEEE Transactions on Energy Conversion, 2018, 33, 1934-1942.	5.2	5
10	One-cycle control for Buck inductor current based on BLDC control system. , 2015, , .		3
11	A new method to reduce both conduction and commutation torque ripple for BLDC machines. , 2014, , .		2
12	Average torque control of brushless DC motor based on one-cycle control method. , 2014, , .		0
13	An improved direct-self control method for high-speed permanent magnet synchronous motor. , 2015, , .		0
14	A novel design method for the electrical machines with biased DC excitation flux linkage. , 2016, , .		0
15	A novel disc machine with axial biased flux and complementary salient rotors. , 2016, , .		0