

Xiaofeng Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Optimization of Rotor Salient Pole Reluctance for Typical Field Modulated Electric Machines. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1847-1859.	5.4	5
2	Analysis of Open-Circuit Performances in Flux-Reversal Permanent Magnet Machines by Superposition Methods. IEEE Transactions on Energy Conversion, 2021, , 1-1.	5.2	1
3	The Mechanism Analysis on Open-Circuit Back EMF in Fractional-Slot Concentrated Winding Permanent Magnet Machines Using Air-Gap Field Modulation Theory. IEEE Transactions on Transportation Electrification, 2021, 7, 2658-2670.	7.8	5
4	Comparison of stator and rotor surface mounted PM brushless machines. IET Electric Power Applications, 2020, 14, 62-70.	1.8	6
5	A Method for Evaluating the Worst-Case Cogging Torque Under Manufacturing Uncertainties. IEEE Transactions on Energy Conversion, 2020, 35, 1837-1848.	5.2	29
6	Comparison of Cogging Torque Compensation Methods for a Flux-Switching Permanent Magnet Motor by Harmonic Current Injection and Iterative Learning Control. , 2020, , .		6
7	Analysis of Back-EMF in Flux-Reversal Permanent Magnet Machines by Air Gap Field Modulation Theory. IEEE Transactions on Industrial Electronics, 2019, 66, 3344-3355.	7.9	59
8	Analysis of Airgap Field Modulation Principle of Simple Salient Poles. IEEE Transactions on Industrial Electronics, 2019, 66, 2628-2638.	7.9	69
9	Analysis and Reduction of Cogging Torque for Flux-Switching Permanent Magnet Machines. IEEE Transactions on Industry Applications, 2019, 55, 5854-5864.	4.9	27
10	Stator-Slot/Rotor-Pole Pair Combinations of Flux-Reversal Permanent Magnet Machine. IEEE Transactions on Industrial Electronics, 2019, 66, 6799-6810.	7.9	24
11	Analysis of coupling between two sub machines in co axis dual mechanical port flux switching PM machine for fuel based extended range electric vehicles. IET Electric Power Applications, 2019, 13, 48-56.	1.8	7
12	Cogging torque suppression in flux reversal permanent magnet machines. IET Electric Power Applications, 2018, 12, 135-143.	1.8	20
13	Influence of Coil Pitch and Stator-Slot/Rotor-Pole Combination on Back EMF Harmonics in Flux-Reversal Permanent Magnet Machines. IEEE Transactions on Energy Conversion, 2018, 33, 1330-1341.	5.2	38
14	Cogging torque minimisation in FSPM machines by right angle based tooth chamfering technique. IET Electric Power Applications, 2018, 12, 627-634.	1.8	20
15	Analytical Approach for Cogging Torque Reduction in Flux-Switching Permanent Magnet Machines Based on Magnetomotive Force-Permeance Model. IEEE Transactions on Industrial Electronics, 2018, 65, 1965-1979.	7.9	76
16	Cogging Torque Suppression in Flux-Switching Permanent Magnet Machines by Superposition of Single Rotor Tooth. , 2018, , .		4
17	An Improved Configuration for Cogging Torque Reduction in Flux-Reversal Permanent Magnet Machines. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	42
18	Back-EMF waveform optimization of flux-reversal permanent magnet machines. AIP Advances, 2017, 7, .	1.3	7

#	ARTICLE	IF	CITATIONS
19	The Influence of Dummy Slots on Stator Surface-Mounted Permanent Magnet Machines. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	14
20	A Novel Flux-Switching Permanent Magnet Machine With Overlapping Windings. IEEE Transactions on Energy Conversion, 2017, 32, 172-183.	5.2	41
21	Cogging torque minimization in flux-switching permanent magnet machines by tooth chamfering. , 2016, , .		15
22	The influence of opening slots on stator surface-mounted permanent magnet machines. , 2016, , .		1
23	An improved configuration for cogging torque reduction in flux-reversal permanent magnet machines. , 2016, , .		2
24	Back-EMF waveform optimization of flux-switching permanent magnet machines. , 2016, , .		3