Xiaofeng Zhu

List of Publications by Year
in descending order

24 papers	521 citations	759233 12 h-index	839539 18 g-index
24 all docs	24 docs citations	24 times ranked	363 citing authors

#	Article	IF	Citations
1	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
2	Analysis of Airgap Field Modulation Principle of Simple Salient Poles. IEEE Transactions on Industrial Electronics, 2019, 66, 2628-2638.	7.9	69
3	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
4	An Improved Configuration for Cogging Torque Reduction in Flux-Reversal Permanent Magnet Machines. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	42
5	A Novel Flux-Switching Permanent Magnet Machine With Overlapping Windings. IEEE Transactions on Energy Conversion, 2017, 32, 172-183.	5.2	41
6	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
7	A Method for Evaluating the Worst-Case Cogging Torque Under Manufacturing Uncertainties. IEEE Transactions on Energy Conversion, 2020, 35, 1837-1848.	5.2	29
8	Analysis and Reduction of Cogging Torque for Flux-Switching Permanent Magnet Machines. IEEE Transactions on Industry Applications, 2019, 55, 5854-5864.	4.9	27
9	Stator-Slot/Rotor-Pole Pair Combinations of Flux-Reversal Permanent Magnet Machine. IEEE Transactions on Industrial Electronics, 2019, 66, 6799-6810.	7.9	24
10	Cogging torque suppression in fluxâ€reversal permanent magnet machines. IET Electric Power Applications, 2018, 12, 135-143.	1.8	20
11	Cogging torque minimisation in FSPM machines by rightâ€angleâ€based tooth chamfering technique. IET Electric Power Applications, 2018, 12, 627-634.	1.8	20
12	Cogging torque minimization in flux-switching permanent magnet machines by tooth chamfering. , 2016, , .		15
13	The Influence of Dummy Slots on Stator Surface-Mounted Permanent Magnet Machines. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	14
14	Back-EMF waveform optimization of flux-reversal permanent magnet machines. AIP Advances, 2017, 7, .	1.3	7
15	Analysis of coupling between two subâ€machines in coâ€axis dualâ€mechanicalâ€port fluxâ€switching PM machine for fuelâ€based extended range electric vehicles. IET Electric Power Applications, 2019, 13, 48-56.	1.8	7
16	Comparison of statorâ€and rotorâ€surfaceâ€mounted PM brushless machines. IET Electric Power Applications, 2020, 14, 62-70.	1.8	6
17	Comparison of Cogging Torque Compensation Methods for a Flux-Switching Permanent Magnet Motor by Harmonic Current Injection and Iterative Learning Control. , 2020, , .		6
18	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

#	Article	IF	Citations
19	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
20	Cogging Torque Suppression in Flux-Switching Permanent Magnet Machines by Superposition of Single Rotor Tooth. , 2018, , .		4
21	Back-EMF waveform optimization of flux-switching permanent magnet machines. , 2016, , .		3
22	An improved configuration for cogging torque reduction in flux-reversal permanent magnet machines. , 2016, , .		2
23	The influence of opening slots on stator surface-mounted permanent magnet machines. , 2016, , .		1
24	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