

Feng Xiao

List of Publications by Year in descending order

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531
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimode Optimization Design Methodology for a Flux-Controllable Stator Permanent Magnet Memory Motor Considering Driving Cycles. IEEE Transactions on Industrial Electronics, 2018, 65, 5353-5366.	7.9	166
2	Multilevel Design Optimization and Operation of a Brushless Double Mechanical Port Flux-Switching Permanent-Magnet Motor. IEEE Transactions on Industrial Electronics, 2016, 63, 6042-6054.	7.9	146
3	Design and Analysis of Linear Stator Permanent Magnet Vernier Machines. IEEE Transactions on Magnetics, 2011, 47, 4219-4222.	2.1	103
4	Comparison of Flux-Switching PM Motors With Different Winding Configurations Using Magnetic Gearing Principle. IEEE Transactions on Magnetics, 2016, 52, 1-8.	2.1	68
5	Principle and Analysis of Doubly Salient PM Motor With Î-Shaped Stator Iron Core Segments. IEEE Transactions on Industrial Electronics, 2019, 66, 1962-1972.	7.9	56
6	Design and Analysis of a Hybrid Permanent Magnet Assisted Synchronous Reluctance Motor Considering Magnetic Saliency and PM Usage. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	36
7	Partitioned Stator Hybrid Excited Machine With DC-Biased Sinusoidal Current. IEEE Transactions on Industrial Electronics, 2022, 69, 236-248.	7.9	31
8	A Tutorial on General Air-Gap Field Modulation Theory for Electrical Machines. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1712-1732.	5.4	23
9	Partitioned Stator Hybrid Excitation Doubly Salient Machine With Slot Halbach PM Arrays. IEEE Transactions on Vehicular Technology, 2021, 70, 3187-3196.	6.3	19
10	A novel double-sided flux-switching permanent magnet linear motor. Journal of Applied Physics, 2015, 117, .	2.5	17
11	A V-Shaped PM Vernier Motor With Enhanced Flux-Modulated Effect and Low Torque Ripple. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	15
12	A Pole-Changing Doubly Salient Permanent Magnet Motor. IEEE Transactions on Transportation Electrification, 2022, 8, 2479-2489.	7.8	12
13	Equivalent Magnetic Circuit Analysis of Doubly Salient PM Machine With Î-Shaped Stator Iron Core Segments. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	11
14	Optimal Design and Analysis of Partitioned Stator Hybrid Excitation Doubly Salient Machine. IEEE Access, 2018, 6, 57700-57707.	4.2	10
15	Low Harmonics Design for Modular Permanent Magnet Synchronous Machine Using Partitioned Winding. IEEE Transactions on Industrial Electronics, 2022, 69, 9268-9278.	7.9	9
16	A Novel Triple-Permanent-Magnet-Excited Vernier Machine with Double-Stator Structure for Low-Speed and High-Torque Applications. Energies, 2018, 11, 1713.	3.1	3
17	Design of Permanent Magnet Vernier Motor Considering Winding Eddy Current Loss. , 2021, , .		1
18	Improved Sensorless Control for Linear Flux Switching Permanent Magnet Motor with Unbalanced Inductance. , 2021, , .		0