

Yi Du

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

931
citations

17
h-index

29
g-index

66
ext. papers

1,258
ext. citations

3.6
avg, IF

4.42
L-index

#	Paper	IF	Citations
51	A Pole-Changing Doubly Salient Permanent Magnet Motor. <i>IEEE Transactions on Transportation Electrification</i> , 2022 , 1-1	7.6	0
50	Partitioned Stator Hybrid Excitation Doubly Salient Machine With Slot Halbach PM Arrays. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 3187-3196	6.8	6
49	Elimination of DC-Link Voltage Ripple in PMSM Drives With a DC-Split-Capacitor Converter. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 8141-8154	7.2	2
48	Torque Ripple Reduction of PMSM With Small Capacitor Drive Systems Based on Combined Control Method. <i>IEEE Access</i> , 2021 , 9, 98874-98882	3.5	1
47	Partitioned Stator Hybrid Excited Machine With DC-Biased Sinusoidal Current. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	5
46	A Tutorial on General Air-gap Field Modulation Theory for Electric Machines. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	5
45	Low Harmonics Design for Modular PM Synchronous Machine Using Partitioned Winding. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	1
44	Equivalent Magnetic Circuit Analysis of Doubly Salient PM Machine With E-shaped Stator Iron Core Segments. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-5	1.8	6
43	Dual Quasi-Resonant Controller Position Observer Based on High Frequency Pulse Voltage Injection Method. <i>IEEE Access</i> , 2020 , 8, 213266-213276	3.5	3
42	Active Disturbance Rejection Controller for Speed Control of Electrical Drives Using Phase-Locking Loop Observer. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 1748-1759	8.9	58
41	Principle and Analysis of Doubly Salient PM Motor With E-shaped Stator Iron Core Segments. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 1962-1972	8.9	32
40	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 5353-5366	8.9	120
39	Design and Analysis of a Hybrid Permanent Magnet Assisted Synchronous Reluctance Motor Considering Magnetic Saliency and PM Usage. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-6	1.8	22
38	A New Magnetic Field Modulation Type of Brushless Double-Fed Machine. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	1
37	Comparative Investigation of Hybrid Excitation Flux Switching Machines. <i>Energies</i> , 2018 , 11, 1428	3.1	2
36	A V-Shaped PM Vernier Motor With Enhanced Flux-Modulated Effect and Low Torque Ripple. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-4	2	7
35	Optimal Design and Analysis of Partitioned Stator Hybrid Excitation Doubly Salient Machine. <i>IEEE Access</i> , 2018 , 6, 57700-57707	3.5	9

34	A Novel Triple-Permanent-Magnet-Excited Vernier Machine with Double-Stator Structure for Low-Speed and High-Torque Applications. <i>Energies</i> , 2018 , 11, 1713	3.1	1
33	Electromagnetic Performance Evaluation of an Outer-Rotor Flux-Switching Permanent Magnet Motor Based on Electrical-Thermal Two-Way Coupling Method. <i>Energies</i> , 2017 , 10, 677	3.1	5
32	Co-Reduction of Torque Ripple for Outer Rotor Flux-Switching PM Motor Using Systematic Multi-Level Design and Control Schemes. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 1102-1112	8.9	85
31	Detent Force Reduction of a C-Core Linear Flux-Switching Permanent Magnet Machine with Multiple Additional Teeth. <i>Energies</i> , 2017 , 10, 318	3.1	12
30	Multilevel Design Optimization and Operation of a Brushless Double Mechanical Port Flux-Switching Permanent-Magnet Motor. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6042-6054	8.9	108
29	Electromagnetic Performance Analysis and Verification of a New Flux-Intensifying Permanent Magnet Brushless Motor With Two-Layer Segmented Permanent Magnets. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	20
28	Comparison of Flux-Switching PM Motors With Different Winding Configurations Using Magnetic Gearing Principle. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-8	2	47
27	An Axial-Field Flux-Modulated Magnetic Gear. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	8
26	A Full-Pitched Flux-Switching Permanent-Magnet Motor. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	9
25	Modeling and Analysis of a Linear Stator Permanent-Magnet Vernier HTS Machine. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-4	1.8	16
24	Linear primary permanent magnet vernier machine for wave energy conversion. <i>IET Electric Power Applications</i> , 2015 , 9, 203-212	1.8	35
23	A novel double-sided flux-switching permanent magnet linear motor. <i>Journal of Applied Physics</i> , 2015 , 117, 17B530	2.5	9
22	Energy management control strategy for plug-in hybrid electric vehicle with brushless dual-rotor flux-switching permanent magnet motor 2015 ,		1
21	Thermal analysis of a "V"-shape sandwiched flux switching permanent magnet machine for electric vehicles 2015 ,		3
20	Equivalent variable permeance-networks analysis for out-rotor double-salient permanent-magnet in-wheel motors 2015 ,		1
19	Design and Optimization of Permanent Magnet Brushless Machines for Electric Vehicle Applications. <i>Energies</i> , 2015 , 8, 13996-14008	3.1	17
18	A double-sided linear primary permanent magnet vernier machine. <i>Scientific World Journal, The</i> , 2015 , 2015, 596091	2.2	3
17	Design and Analysis of a New Modular Linear Flux-Reversal Permanent-Magnet Motor. <i>IEEE Transactions on Applied Superconductivity</i> , 2014 , 24, 1-5	1.8	21

16	New High Force Density Tubular Permanent-Magnet Motor. <i>IEEE Transactions on Applied Superconductivity</i> , 2014 , 24, 1-5	1.8	13
15	Design and analysis of linear fault-tolerant permanent-magnet vernier machines. <i>Scientific World Journal, The</i> , 2014 , 2014, 483080	2.2	3
14	Comparison of Linear Primary Permanent Magnet Vernier Machine and Linear Vernier Hybrid Machine. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	23
13	Design and Static Performance Analysis of a Novel Axial Hybrid Magnetic Bearing. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	16
12	Analysis of Linear Flux-Switching Permanent Magnet Motor Using Response Surface Methodology. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	18
11	Design and analysis of a dual-rotor radial flux permanent-magnet generator 2014 ,		2
10	A C-core linear flux-switching permanent magnet machine with positive additional teeth 2014 ,		6
9	Pole-shape optimization of flux-switching permanent magnet machine 2014 ,		1
8	Design and Analysis of a New Linear Hybrid Excited Flux Reversal Motor With Inset Permanent Magnets. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	31
7	A linear consequent pole stator permanent magnet vernier machine 2014 ,		9
6	Simulation of the Linear Primary Permanent Magnet Vernier machine system for wave energy conversion 2013 ,		1
5	Design and Analysis of a New Fault-Tolerant Linear Permanent-Magnet Motor for Maglev Transportation Applications. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 5200204-5200204 ^{1.8}		20
4	A Linear Stator Permanent Magnet Vernier HTS Machine for Wave Energy Conversion. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 5202505-5202505	1.8	18
3	Theory and comparison of the linear stator permanent magnet vernier machine 2011 ,		3
2	Design and Analysis of Linear Stator Permanent Magnet Vernier Machines. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4219-4222	2	72
1	An improved coaxial magnetic gear using flux focusing 2011 ,		11