

Yi Du

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6943013/publications.pdf>

Version: 2024-02-01

65
papers

1,505
citations

361296

20
h-index

315616

38
g-index

66
all docs

66
docs citations

66
times ranked

896
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.	5.2	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.	5.2	146
3	Co-Reduction of Torque Ripple for Outer Rotor Flux-Switching PM Motor Using Systematic Multi-Level Design and Control Schemes. IEEE Transactions on Industrial Electronics, 2017, 64, 1102-1112.	5.2	114
4	Active Disturbance Rejection Controller for Speed Control of Electrical Drives Using Phase-Locking Loop Observer. IEEE Transactions on Industrial Electronics, 2019, 66, 1748-1759.	5.2	108
5	Design and Analysis of Linear Stator Permanent Magnet Vernier Machines. IEEE Transactions on Magnetics, 2011, 47, 4219-4222.	1.2	103
6	Comparison of Flux-Switching PM Motors With Different Winding Configurations Using Magnetic Gearing Principle. IEEE Transactions on Magnetics, 2016, 52, 1-8.	1.2	68
7	Principle and Analysis of Doubly Salient PM Motor With \hat{I} -Shaped Stator Iron Core Segments. IEEE Transactions on Industrial Electronics, 2019, 66, 1962-1972.	5.2	56
8	Linear primary permanent magnet vernier machine for wave energy conversion. IET Electric Power Applications, 2015, 9, 203-212.	1.1	47
9	Comparison of Linear Primary Permanent Magnet Vernier Machine and Linear Vernier Hybrid Machine. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	45
10	Design and Analysis of a New Modular Linear Flux-Reversal Permanent-Magnet Motor. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	40
11	Design and Analysis of a New Linear Hybrid Excited Flux Reversal Motor With Inset Permanent Magnets. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	39
12	Design and Analysis of a New Fault-Tolerant Linear Permanent-Magnet Motor for Maglev Transportation Applications. IEEE Transactions on Applied Superconductivity, 2012, 22, 5200204-5200204.	1.1	36
13	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.	1.1	36
14	Electromagnetic Performance Analysis and Verification of a New Flux-Intensifying Permanent Magnet Brushless Motor With Two-Layer Segmented Permanent Magnets. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	35
15	A Linear Stator Permanent Magnet Vernier HTS Machine for Wave Energy Conversion. IEEE Transactions on Applied Superconductivity, 2012, 22, 5202505-5202505.	1.1	33
16	Partitioned Stator Hybrid Excited Machine With DC-Biased Sinusoidal Current. IEEE Transactions on Industrial Electronics, 2022, 69, 236-248.	5.2	31
17	Design and Optimization of Permanent Magnet Brushless Machines for Electric Vehicle Applications. Energies, 2015, 8, 13996-14008.	1.6	30
18	Analysis of Linear Flux-Switching Permanent Magnet Motor Using Response Surface Methodology. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	25

#	ARTICLE	IF	CITATIONS
19	An improved coaxial magnetic gear using flux focusing. , 2011, , .		23
20	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.	3.7	23
21	Modeling and Analysis of a Linear Stator Permanent-Magnet Vernier HTS Machine. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	21
22	Design and Static Performance Analysis of a Novel Axial Hybrid Magnetic Bearing. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	19
23	New High Force Density Tubular Permanent-Magnet Motor. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	19
24	Partitioned Stator Hybrid Excitation Doubly Salient Machine With Slot Halbach PM Arrays. IEEE Transactions on Vehicular Technology, 2021, 70, 3187-3196.	3.9	19
25	A novel double-sided flux-switching permanent magnet linear motor. Journal of Applied Physics, 2015, 117, .	1.1	17
26	Detent Force Reduction of a C-Core Linear Flux-Switching Permanent Magnet Machine with Multiple Additional Teeth. Energies, 2017, 10, 318.	1.6	17
27	An Axial-Field Flux-Modulated Magnetic Gear. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	16
28	A Full-Pitched Flux-Switching Permanent-Magnet Motor. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	16
29	A V-Shaped PM Vernier Motor With Enhanced Flux-Modulated Effect and Low Torque Ripple. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	15
30	A linear consequent pole stator permanent magnet vernier machine. , 2014, , .		14
31	Elimination of DC-Link Voltage Ripple in PMSM Drives With a DC-Split-Capacitor Converter. IEEE Transactions on Power Electronics, 2021, 36, 8141-8154.	5.4	14
32	A Pole-Changing Doubly Salient Permanent Magnet Motor. IEEE Transactions on Transportation Electrification, 2022, 8, 2479-2489.	5.3	12
33	Equivalent Magnetic Circuit Analysis of Doubly Salient PM Machine With $\hat{\imath}$ -Shaped Stator Iron Core Segments. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	11
34	Optimal Design and Analysis of Partitioned Stator Hybrid Excitation Doubly Salient Machine. IEEE Access, 2018, 6, 57700-57707.	2.6	10
35	Low Harmonics Design for Modular Permanent Magnet Synchronous Machine Using Partitioned Winding. IEEE Transactions on Industrial Electronics, 2022, 69, 9268-9278.	5.2	9
36	A C-core linear flux-switching permanent magnet machine with positive additional teeth. , 2014, , .		8

#	ARTICLE	IF	CITATIONS
37	Dual Quasi-Resonant Controller Position Observer Based on High Frequency Pulse Voltage Injection Method. IEEE Access, 2020, 8, 213266-213276.	2.6	8
38	Electromagnetic Performance Evaluation of an Outer-Rotor Flux-Switching Permanent Magnet Motor Based on Electrical-Thermal Two-Way Coupling Method. Energies, 2017, 10, 677.	1.6	7
39	Theory and comparison of the linear stator permanent magnet vernier machine. , 2011, , .		6
40	Thermal analysis of a "V"-shape sandwiched flux switching permanent magnet machine for electric vehicles. , 2015, , .		5
41	Thrust ripple reduction of linear flux-switching PM motor using harmonic injected current. , 2013, , .		3
42	Design and Analysis of Linear Fault-Tolerant Permanent-Magnet Vernier Machines. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	3
43	A Double-Sided Linear Primary Permanent Magnet Vernier Machine. Scientific World Journal, The, 2015, 2015, 1-8.	0.8	3
44	A New Magnetic Field Modulation Type of Brushless Double-Fed Machine. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	3
45	A Novel Triple-Permanent-Magnet-Excited Vernier Machine with Double-Stator Structure for Low-Speed and High-Torque Applications. Energies, 2018, 11, 1713.	1.6	3
46	Simulation of the Linear Primary Permanent Magnet Vernier machine system for wave energy conversion. , 2013, , .		2
47	A primary-permanent-magnet vernier linear machine with improved fault-tolerant capability. , 2013, , .		2
48	Design and analysis of a dual-rotor radial flux permanent-magnet generator. , 2014, , .		2
49	Energy management control strategy for plug-in hybrid electric vehicle with brushless dual-rotor flux-switching permanent magnet motor. , 2015, , .		2
50	A Novel Bearingless Flux-Switching Permanent Magnet Motor. , 2016, , .		2
51	Comparative Investigation of Hybrid Excitation Flux Switching Machines. Energies, 2018, 11, 1428.	1.6	2
52	Torque Ripple Reduction of PMSM With Small Capacitor Drive Systems Based on Combined Control Method. IEEE Access, 2021, 9, 98874-98882.	2.6	2
53	Single-phase small capacitor motor drive system with high-efficiency buck active power decoupling converter. IET Power Electronics, 2022, 15, 738-752.	1.5	2
54	Fault-tolerant control of modular linear flux-switching permanent-magnet motor. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
55	A new coaxial magnetic gear using stationary permanent magnet ring. , 2013, , .		1
56	Pole-shape optimization of flux-switching permanent magnet machine. , 2014, , .		1
57	Comparative study of constant power speed range of three permanent magnet brushless machines with different d-axis inductance for electric vehicles. , 2015, , .		1
58	Equivalent variable permeance-networks analysis for out-rotor double-salient permanent-magnet in-wheel motors. , 2015, , .		1
59	Electrolytic Capacitor-Less Power Converter with Shared Inductor Applied for PMSM Drive System. , 2018, , .		1
60	Design of Permanent Magnet Vernier Motor Considering Winding Eddy Current Loss. , 2021, , .		1
61	Fault-tolerant primary-permanent magnet linear machine employing modular secondary. , 2014, , .		0
62	Comparison of a novel modular and complementary linear flux-switching permanent magnet motor with different phase arrangements. , 2015, , .		0
63	Unity power factor control of dual permanent magnet synchronous motors fed by five-leg inverter system. , 2015, , .		0
64	Model Predictive Thrust Force Control for Modular Permanent Magnet Synchronous Linear Motor Based on Multi-branch Inverter Topology. , 2021, , .		0
65	Improved Sensorless Control for Linear Flux Switching Permanent Magnet Motor with Unbalanced Inductance. , 2021, , .		0