Heyun Lin

List of Publications by Year
in descending order

186 papers	2,351 citations	201385 27 h-index	301761 39 g-index
186 all docs	186 docs citations	186 times ranked	1214 citing authors

#	Article	IF	Citations
1	A Novel Three-Stage Optimization Design Method of Asymmetric-PM Variable Flux Memory Machine Considering Magnet-Axis-Shifting Effect. IEEE Transactions on Transportation Electrification, 2023, 9, 336-346.	5.3	1
2	Speed Fluctuation Mitigation Control for Variable Flux Memory Machine During Magnetization State Manipulations. IEEE Transactions on Industrial Electronics, 2023, 70, 222-232.	5.2	9
3	A Novel Variable Flux Memory Machine With Separated Series–Parallel PM Structure. IEEE Transactions on Industrial Electronics, 2023, 70, 3348-3361.	5.2	12
4	Investigation of Balanced Bidirectional-Magnetization Effect of a Novel Hybrid-Magnet-Circuit Variable-Flux Memory Machine. IEEE Transactions on Magnetics, 2022, 58, 1-6.	1.2	4
5	Hybrid Analytical Modeling of Air-Gap Magnetic Field in Asymmetric-Stator-Pole Flux Reversal Permanent Magnet Machine Considering Slotting Effect. IEEE Transactions on Industrial Electronics, 2022, 69, 1739-1749.	5.2	6
6	Loss-Reduction-Oriented Optimization Methodology of Hybrid-Magnetic-Circuit Variable Flux Memory Machine for Global Efficiency Improvement. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1658-1670.	3.7	2
7	Investigation of Torque Improvement Mechanism in Emerging Switched Flux PM Machines. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1860-1869.	3.7	5
8	Torque Generation Mechanism and Performance Evaluation of a Dual-Sided PM Machine With Stator U-Shaped Magnets. IEEE Transactions on Industry Applications, 2022, 58, 250-260.	3.3	4
9	Online-Parameter-Estimation-Based Control Strategy Combining MTPA and Flux-Weakening for Variable Flux Memory Machines. IEEE Transactions on Power Electronics, 2022, 37, 4080-4090.	5.4	11
10	Investigation of Axial Field Switched Flux Memory Machine by a Combined Analytical Method. IEEE Transactions on Magnetics, 2022, 58, 1-6.	1.2	1
11	Variable Time Magnetization Current Trajectory Control Method for Variable Flux Memory Machines. IEEE Transactions on Transportation Electrification, 2022, 8, 3100-3110.	5.3	4
12	A Novel Delta-Type Hybrid-Magnetic-Circuit Variable Flux Memory Machine for Electrified Vehicle Applications. IEEE Transactions on Transportation Electrification, 2022, 8, 3512-3523.	5.3	11
13	A Novel Asymmetric-PM Hybrid-Magnetic-Circuit Variable Flux Memory Machine for Traction Applications. IEEE Transactions on Vehicular Technology, 2022, 71, 4911-4921.	3.9	4
14	Influence of Low-Coercive-Force Magnet Property on Electromagnetic Performance of Variable Flux Memory Machine. IEEE Transactions on Magnetics, 2022, 58, 1-6.	1.2	2
15	Investigation of Variable Field Harmonic Principle in Hybrid-Excited Switched-Flux Machine. , 2022, , .		0
16	A Simplified Phase-Controlled Switching Strategy for Inrush Current Reduction. IEEE Transactions on Power Delivery, 2021, 36, 215-222.	2.9	22
17	A Novel Squirrel-Cage Rotor Permanent Magnet Adjustable Speed Drive With a Non-Rotary Mechanical Flux Adjuster. IEEE Transactions on Energy Conversion, 2021, 36, 1036-1044.	3.7	8
18	A Self-Adaptive Control for Phase-Controlled Electromagnetic Contactor Using Weighted Moving Average Filter. IEEE Transactions on Industrial Electronics, 2021, 68, 8963-8972.	5.2	7

#	Article	IF	Citations
19	A Novel Stator Flux-Concentrated Hybrid Permanent Magnet Memory Machine. IEEE Transactions on Magnetics, 2021, 57, 1-6.	1.2	5
20	Principle Investigation and Performance Comparison of Consequent-Pole Switched Flux PM Machines. IEEE Transactions on Transportation Electrification, 2021, 7, 766-778.	5.3	20
21	A Novel Current Control Strategy for Magnetization State Manipulation of Variable Flux Memory Machine Based on Linear Active Disturbance Rejection. IEEE Transactions on Power Electronics, 2021, , 1-1.	5.4	7
22	A Novel Asymmetric-Magnetic-Pole Interior PM Machine With Magnet-Axis-Shifting Effect. IEEE Transactions on Industry Applications, 2021, 57, 5927-5938.	3.3	11
23	Comparative Study of Consequent-Pole Switched-Flux Machines with Different U-Shaped PM Structures. World Electric Vehicle Journal, 2021, 12, 22.	1.6	0
24	Comparative study of stator consequentâ€pole permanent magnet machines. IET Electric Power Applications, 2021, 15, 463-475.	1.1	0
25	Mode recognition and coordinated magnetisation control method for variable flux memory machine. Electronics Letters, 2021, 57, 570-572.	0.5	0
26	Design and Analysis of Variable Flux Arc Permanent Magnet Motor With Multiple Excitations. IEEE Transactions on Magnetics, 2021, 57, 1-5.	1.2	3
27	Investigation of Double-Side Field Modulation Mechanism in Consequent-Pole PM Machines With Concentrated Windings. IEEE Transactions on Energy Conversion, 2021, 36, 1635-1648.	3.7	12
28	Design and Investigation of a Hybrid Stator Pole Memory Machine With DC Bias Magnetization Capability. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	2
29	A Hybrid Field Analytical Method of Hybrid-Magnetic-Circuit Variable Flux Memory Machine Considering Magnet Hysteresis Nonlinearity. IEEE Transactions on Transportation Electrification, 2021, 7, 2763-2774.	5.3	15
30	Comparative Study of Torque Production Mechanisms in Stator and Rotor Consequent-Pole Permanent Magnet Machines. IEEE Transactions on Transportation Electrification, 2021, 7, 2694-2704.	5.3	6
31	Investigation of Hybrid-Magnet-Circuit Variable Flux Memory Machines With Different Hybrid Magnet Configurations. IEEE Transactions on Industry Applications, 2021, 57, 340-351.	3.3	23
32	A Novel Interior Permanent Magnet Machine with Magnet Axis Shifted Effect for Electric Vehicle Applications. World Electric Vehicle Journal, 2021, 12, 189.	1.6	5
33	Comparative Analysis of Parallel Hybrid Magnet Memory Machines with Different PM Arrangements. World Electric Vehicle Journal, 2021, 12, 177.	1.6	0
34	Influence of Rotor Pole Number on Electromagnetic Performance of Hybrid-Magnetic-Circuit Variable Flux Memory Machine. , 2021, , .		0
35	Design and Analysis of Novel Asymmetric-Stator-Pole Flux Reversal PM Machine. IEEE Transactions on Industrial Electronics, 2020, 67, 101-114.	5.2	48
36	Analysis of Consequent-Pole Flux Reversal Permanent Magnet Machine With Biased Flux Modulation Theory. IEEE Transactions on Industrial Electronics, 2020, 67, 2107-2121.	5.2	61

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37	A Novel Hybrid-Magnetic-Circuit Variable Flux Memory Machine. IEEE Transactions on Industrial Electronics, 2020, 67, 5258-5268.	5.2	63
38	A Parallel Consequent Pole Reluctance Machine With Bipolar Coil Flux-Linkage. IEEE Access, 2020, 8, 116490-116500.	2.6	2
39	A Magnetization State Initialization Control Scheme for Variable Flux Memory Machines Without Requiring Position Sensor Information. IEEE Transactions on Transportation Electrification, 2020, 6, 1157-1166.	5.3	6
40	Modular Permanent Magnet Synchronous Machine with Low Space Harmonic Content. Energies, 2020, 13, 3924.	1.6	9
41	Magnetization State Selection Method for Uncontrolled Generator Fault Prevention on Variable Flux Memory Machines. IEEE Transactions on Power Electronics, 2020, 35, 13270-13280.	5.4	8
42	A Novel 24-Slot/10-Pole Dual Three-Phase Fractional-Slot Overlapped Winding for Low Non-Working Space Harmonics and Stator Modularization. IEEE Access, 2020, 8, 85490-85503.	2.6	12
43	Second-Order Sliding Mode-Based Direct Torque Control of Variable-Flux Memory Machine. IEEE Access, 2020, 8, 34981-34992.	2.6	14
44	Investigation of Torque Characteristics of Switched Flux Hybrid Magnet Memory Machine by a Coupled Solution. IEEE Transactions on Magnetics, 2020, 56, 1-5.	1.2	3
45	A Novel Hybrid-Stator-Pole Memory Machine with DC Bias Magnetization Capability. , 2020, , .		1
46	Investigation of Field Regulation Mechanism of Flux-Reversal Variable Flux Memory Machine by an Improved Frolich Hysteresis Model. , 2020, , .		0
47	A New Hybrid-Excited Flux Reversal Arc Permanent Magnet Machine Having Partitioned Stators for Large Telescope Application. IEEE Transactions on Magnetics, 2019, 55, 1-10.	1.2	11
48	A Novel Variable Flux Dual-Layer Hybrid Magnet Memory Machine with Bypass Airspace Barriers. , 2019, , .		14
49	A Novel Stator Spoke-Type Hybrid Magnet Memory Machine. , 2019, , .		1
50	A Novel Hybrid-Pole Interior PM Machine with Magnet-Axis-Shifting Effect. , 2019, , .		16
51	Comparative Study of Advanced Stator Interior Permanent Magnet Machines. , 2019, , .		2
52	High Power Density PMSM With Lightweight Structure and High-Performance Soft Magnetic Alloy Core. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	35
53	A Novel Breaking Strategy for Reduced Response Time of Electromagnetic Contactor by Reverse Voltage Application. Energies, 2019, 12, 789.	1.6	6
54	A New Double-Sided Flux Reversal Arc Permanent Magnet Machine With Enhanced Torque Density Capability. IEEE Transactions on Magnetics, 2019, 55, 1-6.	1.2	6

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55	Comparative Study of Stator-Consequent-Pole Permanent Magnet Machines With Different Stator-Slot Configurations. IEEE Transactions on Magnetics, 2019, 55, 1-8.	1.2	9
56	Analysis of a New Dual-Stator Vernier Machine With Hybrid Magnet Flux-Reversal Arrangement. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	8
57	Analytical Analysis of a Novel Brushless Hybrid Excited Adjustable Speed Eddy Current Coupling. Energies, 2019, 12, 308.	1.6	7
58	Influence of Design Parameters on On-Load Demagnetization Characteristics of Switched Flux Hybrid Magnet Memory Machine. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	7
59	Torque Ripple Optimization of a Novel Cylindrical Arc Permanent Magnet Synchronous Motor Used in a Large Telescope. Energies, 2019, 12, 362.	1.6	1
60	A Novel Magnet-Axis-Shifted Hybrid Permanent Magnet Machine for Electric Vehicle Applications. Energies, 2019, 12, 641.	1.6	18
61	Comparative Study of Partitioned Stator Memory Machines With Series and Parallel Hybrid PM Configurations. IEEE Transactions on Magnetics, 2019, 55, 1-8.	1.2	12
62	Analytical Analysis of an Adjustable-Speed Permanent Magnet Eddy-Current Coupling With a Non-Rotary Mechanical Flux Adjuster. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	10
63	Speed Range Extension of a Dual-Stator PM Machine Using Winding Switching Strategy. , 2019, , .		2
64	Analysis of Dual-Sided Permanent Magnet Machines with Complementary Stator Structures. , 2019, , .		1
65	On-load demagnetization effect of high-coercive-force PMs in switched flux hybrid magnet memory machine. AIP Advances, 2019, 9, .	0.6	3
66	Analysis of Novel Hybrid-Magnet-Circuit Variable Flux Memory Machines with Different Magnet Arrangements. , 2019, , .		1
67	Novel Dual-Sided Permanent Magnet Machines with Different Stator Magnet Arrangements. , 2019, , .		3
68	Analysis of Flux Regulation Principle in a Novel Hybrid-Magnet-Circuit Variable Flux Memory Machine. , 2019, , .		3
69	Comparative Study of Electromagnetic Force Characteristics of Flux Reversal PM Machines with Asymmetrical and Symmetrical Stators. , 2019, , .		0
70	A Novel Dual-Sided PM Machine with Stator Spoke-Type PM Structure. , 2019, , .		8
71	Design and Analysis of a Novel Mechanical-Variable-Flux Stator Consequent-Pole Machine. , 2019, , .		2
72	Stepwise Magnetization Control Strategy for DC-Magnetized Memory Machine. IEEE Transactions on Industrial Electronics, 2019, 66, 4273-4285.	5.2	18

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73	A Method to Improve Volume Energy Density for HTS Coil. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.1	6
74	Analysis and Performance Evaluation of an Efficient Power-Fed Permanent Magnet Adjustable Speed Drive. IEEE Transactions on Industrial Electronics, 2019, 66, 784-794.	5.2	19
75	Multi-Objective Optimization of a Permanent Magnet Actuator for High Voltage Vacuum Circuit Breaker Based on Adaptive Surrogate Modeling Technique. Energies, 2019, 12, 4695.	1.6	5
76	Novel Dual-Stator Switched-Flux Memory Machines With Hybrid Magnets. IEEE Transactions on Industry Applications, 2018, 54, 2129-2140.	3.3	5
77	Analytical Modeling of Switched Flux Memory Machine. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	13
78	Synthesis of Hybrid Magnet Memory Machines Having Separate Stators for Traction Applications. IEEE Transactions on Vehicular Technology, 2018, 67, 183-195.	3.9	17
79	Optimization Design of a Permanent Magnet Actuator for 126-kV Vacuum Circuit Breaker. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	12
80	Design and analysis of a flux intensifying permanent magnet embedded salient pole wind generator. AIP Advances, 2018, 8, .	0.6	4
81	Comparative Study of Hybrid PM Memory Machines Having Single- and Dual-Stator Configurations. IEEE Transactions on Industrial Electronics, 2018, 65, 9168-9178.	5.2	33
82	A variable-mode stator consequent pole memory machine. AIP Advances, 2018, 8, 056612.	0.6	9
83	Influence of magnet eddy current on magnetization characteristics of variable flux memory machine. AIP Advances, 2018, 8, 056602.	0.6	2
84	Analytical Analysis of a Novel Flux Adjustable Permanent Magnet Eddy-Current Coupling With a Movable Stator Ring. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	15
85	A Novel Modular 18-Slot 10-Pole PMSM with 9-Phase Unequal-Coil-Pitch Fractional-Slot Winding. , 2018, , .		0
86	Comparative Study of Permanent Magnet Machines with Single-Sided and Dual-Sided Magnets. , 2018, , .		7
87	Torque Ripple Suppression of Arc Permanent Magnet Synchronous Machine Based on Winding Cross Connection Method. , 2018, , .		1
88	Analysis of Field Modulation Effect in Consequent Pole Permanent Magnet Machines with Concentrated Windings. , 2018, , .		3
89	High Power Density Permanent Magnet Synchronous Motor With Lightweight Structure and High-Performance Soft Magnetic Alloy Core. , 2018, , .		3
90	Various New Magnet Arrangements Used in Dual-Stator Permanent-Magnet Vernier Machine for Large Telescope Drive. , 2018, , .		1

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91	A Novel Hybrid Magnet Dual-Stator Vernier Machine with Flux-Reversal Magnet Arrangement. , 2018, , .		0
92	Design and Analysis of a Dual-Rotor Field Modulation Machine with Triple PM Excitation. , 2018, , .		3
93	A Novel Dual-Layer PM Variable Flux Hybrid Memory Machine. , 2018, , .		12
94	Volume Energy Density Improvement for HTS Coil Using Structure Optimization and Step Current Supply. , 2018, , .		1
95	Recent advances in variable flux memory machines for traction applications: A review. CES Transactions on Electrical Machines and Systems, 2018, 2, 34-50.	2.7	42
96	A Novel Dual-Sided PM Variable Flux Memory Machine. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	7
97	Novel Dual-Stator Machines With Biased Permanent Magnet Excitation. IEEE Transactions on Energy Conversion, 2018, 33, 2070-2080.	3.7	16
98	3-D Analytical Analysis of Magnetic Field of Flux Reversal Linear-Rotary Permanent-Magnet Actuator. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	10
99	Analysis of On-Load Magnetization Characteristics in a Novel Partitioned Stator Hybrid Magnet Memory Machine. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	9
100	A Novel Consequent-Pole Hybrid Excited Vernier Machine. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	33
101	Design Synthesis of Switched Flux Hybrid-Permanent Magnet Memory Machines. IEEE Transactions on Energy Conversion, 2017, 32, 65-79.	3.7	37
102	Generalized predictive control based on Hammerstein-Wiener model for variable pitch wind energy conversion system. , 2017, , .		1
103	A novel flux-reversal hybrid magnet memory machine. , 2017, , .		7
104	Design and analysis of a Halbach arc linear permanent magnet machine for large telescope application. , 2017, , .		2
105	Analysis of a novel axial flux permanent magnet eddy-current coupling with a movable stator ring. , 2017, , .		0
106	Novel variable reluctance hybrid magnet memory machines. , 2017, , .		2
107	Novel fault-tolerant stator structure for modular PMSMs with fractional-slot overlapping winding. , 2017, , .		2
108	Novel reluctance axis shifted machines with hybrid rotors. , 2017, , .		18

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109	High-performance partitioned-stator switched flux memory machines with hybrid magnets on external stator for traction applications. , 2016, , .		4
110	Operating-envelop-expandable control strategy for switched flux hybrid magnet memory machine. , 2016, , .		2
111	Novel High-Performance Switched Flux Hybrid Magnet Memory Machines With Reduced Rare-Earth Magnets. IEEE Transactions on Industry Applications, 2016, 52, 3901-3915.	3.3	26
112	On-load magnetization characteristic analysis of a novel partitioned stator hybrid magnet memory machine. , 2016, , .		0
113	Novel Partitioned Stator Hybrid Magnet Memory Machines for EV/HEV Applications. , 2016, , .		0
114	A Linear-Rotary Permanent Magnet Actuator with Partitioned Stator. , 2016, , .		2
115	Optimization Design and Analysis of a Linear-Rotary Permanent Magnet Actuator with Interlaced Poles. , 2016, , .		2
116	A Linear-Rotary Permanent Magnet Actuator With Independent Magnetic Circuit Structure. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-6.	1.1	7
117	A combined permanent magnet actuator with auxiliary flux weakening for 126kV vacuum circuit breakers. , 2016, , .		0
118	Development of High Torque Low Speed Fractional-Slot Concentrated Windings PMSM for Traction Application. , 2016, , .		1
119	Novel design of a variable reluctance permanent magnet machine with bipolar coil flux-linkage. , 2016, , .		0
120	A Novel Strategy for Reducing Inrush Current of Three-Phase Transformer Considering Residual Flux. IEEE Transactions on Industrial Electronics, 2016, 63, 4442-4451.	5.2	31
121	Air-Gap Flux Density Characteristics Comparison and Analysis of Permanent Magnet Vernier Machines With Different Rotor Topologies. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	10
122	Analysis and design of a high‑speed permanent magnet characteristic actuator using eddy current effect for high‑voltage vacuum circuit breaker. IET Electric Power Applications, 2016, 10, 268-275.	1.1	24
123	Electromagnetic Analysis of a HTS Linear-Rotary Permanent Magnet Actuator. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	5
124	Design and thermal analysis on high torque low speed fractional-slot concentrated windings in-wheel traction motor. , 2016, , .		5
125	Novel variable-mode partitioned stator switched flux memory machines for automotive traction applications. , 2016, , .		0
126	Flux-Concentrated External-Rotor Switched Flux Memory Machines for Direct-Drive Applications. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-6.	1.1	6

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127	Investigation of design methodology for non‑rare‑earth variable‑flux switched‑flux memory machines. IET Electric Power Applications, 2016, 10, 744-756.	1.1	9
128	Comparison and analysis of dual stator permanent magnet vernier machines with different pole/slot combinations for low speed direct drive applications. International Journal of Applied Electromagnetics and Mechanics, 2016, 50, 617-626.	0.3	3
129	Flux adjustable permanent magnet machines: A technology status review. Chinese Journal of Electrical Engineering, 2016, 2, 14-30.	2.3	40
130	A nonlinear dynamic magnetic network model for flux-reversal linear-rotary permanent magnet actuator considering local saturation. , 2016, , .		0
131	A novel brushless hybrid excited adjustable-speed eddy-current coupling. , 2016, , .		0
132	A novel stator-consequent-pole memory machine. , 2016, , .		4
133	3D magnetic field analytical calculation of flux reversal linear-rotary permanent magnet actuator. , 2016, , .		0
134	Design and investigation of a fractional-slot pole-changing memory machine. , 2016, , .		4
135	Electromagnetic analysis of a novel axial-field switched flux hybrid magnet memory machine. , 2016, , .		1
136	Irreversible Demagnetization Analysis of Permanent Magnet Materials in a Novel Flux Reversal Linear-Rotary Permanent Magnet Actuator. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	15
137	Comparative Study of Surface-Mounted and Interior Permanent-Magnet Motors for High-Speed Applications. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	57
138	Analytical Prediction of Torque Characteristics of Eddy Current Couplings Having a Quasi-Halbach Magnet Structure. IEEE Transactions on Magnetics, 2016, 52, 1-9.	1.2	21
139	A Variable-Flux Hybrid-PM Switched-Flux Memory Machine for EV/HEV Applications. IEEE Transactions on Industry Applications, 2016, 52, 2203-2214.	3.3	65
140	Performance Improvement of Partitioned Stator Switched Flux Memory Machines With Triple-Magnet Configuration. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	8
141	Design and Analysis of Modular Flux-Concentrating HTS Permanent-Magnet Vernier Machine. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	10
142	Cogging Torque Optimization of Flux Memory Pole-changing Permanent Magnet Machine. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.1	9
143	Hybrid-Excited Switched-Flux Hybrid Magnet Memory Machines. IEEE Transactions on Magnetics, 2016, 52, 1-15.	1.2	33
144	Analysis of Axial-Flux Halbach Permanent-Magnet Machine. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	34

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145	A Novel Flux Weakening Control Strategy for Permanent Magnet Actuator of Vacuum Circuit Breaker. IEEE Transactions on Industrial Electronics, 2015, , 1-1.	5.2	24
146	Design and Analysis of a Variable-Flux Pole-Changing Permanent Magnet Memory Machine. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	4
147	A Novel Linear-Rotary Permanent-Magnet Actuator Using Interlaced Poles. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	14
148	A Winding-Switching Concept for Flux Weakening in Consequent Magnet Pole Switched Flux Memory Machine. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	9
149	Comparative Study of Novel Variable-Flux Memory Machines Having Stator Permanent Magnet Topologies. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	21
150	Cogging Torque Optimization of Novel Transverse Flux Permanent Magnet Generator With Double C-Hoop Stator. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	16
151	A Novel Transverse Flux Permanent Magnet Generator With Double C-Hoop Stator and Flux-Concentrated Rotor. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	10
152	Novel alternative switched flux memory machines having hybrid magnet topologies. , 2015, , .		2
153	Electromagnetic and Thermal Analysis of Open-Circuit Air Cooled High-Speed Permanent Magnet Machines With Gramme Ring Windings. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	64
154	Novel switched-flux hybrid permanent magnet memory machines for EV/HEV applications. , 2014, , .		12
155	Flux-Regulatable Characteristics Analysis of a Novel Switched-Flux Surface-Mounted PM Memory Machine. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	24
156	Electromagnetic design and analysis of a novel flux-concentrated transverse flux permanent magnet disk generator. , 2014, , .		2
157	Development of an air-cooled 150 kW high speed permanent magnet motor with Gramme ring windings for turbo blowers. , 2014, , .		3
158	Research on variable flux permanent magnet pole-changing machine with harmonic excitation. , 2014, , .		3
159	Novel Flux-Regulatable Dual-Magnet Vernier Memory Machines for Electric Vehicle Propulsion. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	10
160	Magnetic Equivalent Circuit Modeling of Yokeless Axial Flux Permanent Magnet Machine With Segmented Armature. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	41
161	Linear Representation of Saturation Characteristics Associated With Eddy Currents in Ferromagnetic Materials. IEEE Transactions on Magnetics, 2014, 50, 121-124.	1.2	2
162	A General Analytical Model of Permanent Magnet Eddy Current Couplings. IEEE Transactions on Magnetics, 2014, 50, 1-9.	1.2	79

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163	Analysis of a Novel Switched-Flux Memory Motor Employing a Time-Divisional Magnetization Strategy. IEEE Transactions on Magnetics, 2014, 50, 849-852.	1.2	49
164	Static Characteristics of Novel Air-Cored Linear and Rotary Halbach Permanent Magnet Actuator. IEEE Transactions on Magnetics, 2014, 50, 977-980.	1.2	32
165	Air-Gap Magnetic Field Analysis of Wind Generator With PM Embedded Salient Poles by Analytical and Finite Element Combination Technique. IEEE Transactions on Magnetics, 2014, 50, 777-780.	1.2	2
166	Transverse flux permanent magnet motor with double-C stator hoops and flux-concentrated rotor for in-wheel drive electric vehicle. , 2014, , .		8
167	Cogging Torque Optimization of Flux-Switching Transverse Flux Permanent Magnet Machine. IEEE Transactions on Magnetics, 2013, 49, 2169-2172.	1.2	52
168	3-D Analytical Linear Force and Rotary Torque Analysis of Linear and Rotary Permanent Magnet Actuator. IEEE Transactions on Magnetics, 2013, 49, 3989-3992.	1.2	16
169	Design and quantitative comparison of switched-flux memory integrated-starter-generators for hybrid electric vehicles. , 2013, , .		0
170	Improvement of sliding mode observer for PMSM sensorless control in renewable energy system. , 2013, , .		1
171	Simulation of wind power system involving flywheel energy storage unit based on wind speed forecasting by RBF neural network. , 2013, , .		1
172	Analytical modeling of air-gap field distributions in permanent magnet embedded salient pole wind generator. IEEE Transactions on Magnetics, 2013, 49, 5756-5760.	1.2	13
173	Design, Optimization, and Intelligent Control of Permanent-Magnet Contactor. IEEE Transactions on Industrial Electronics, 2013, 60, 5148-5159.	5.2	38
174	Fuzzy Control for Flux Weakening of Hybrid Exciting Synchronous Motor Based on Particle Swarm Optimization Algorithm. IEEE Transactions on Magnetics, 2012, 48, 2989-2992.	1.2	32
175	Decoupling Control of Linear and Rotary Permanent Magnet Actuator Using Two-Directional $dhbox{-}q$ Transformation. IEEE Transactions on Magnetics, 2012, 48, 2585-2591.	1.2	21
176	3-D Analytical Modeling of No-Load Magnetic Field of Ironless Axial Flux Permanent Magnet Machine. IEEE Transactions on Magnetics, 2012, 48, 2929-2932.	1.2	57
177	Characteristic investigation of permanent magnet actuator for vacuum contactors operating with an intrinsically safe low voltage. Science China Technological Sciences, 2012, 55, 1688-1694.	2.0	3
178	Numerical Analysis of 3D Eddy Current Fields in Laminated Media Under Various Frequencies. IEEE Transactions on Magnetics, 2012, 48, 267-270.	1.2	22
179	Design and analysis of a novel permanent magnet embedded salient pole for wind generator. , 2011, , .		2
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181	Analytical Magnetic Field Analysis and Prediction of Cogging Force and Torque of a Linear and Rotary Permanent Magnet Actuator. IEEE Transactions on Magnetics, 2011, 47, 3004-3007.	1.2	51
182	Speed estimation with sliding mode model reference adaptive system for PM generator in direct drive wind conversion system. , 2011, , .		0
183	A novel energy feedback control method of flywheel energy storage system based on radial basis function neural network. , 2011, , .		4
184	Permanent Magnet Remagnetizing Physics of a Variable Flux Memory Motor. IEEE Transactions on Magnetics, 2010, 46, 1679-1682.	1.2	75
185	Analysis of Dynamic Characteristics of Permanent Magnet Contactor With Sensorless Displacement Profile Control. IEEE Transactions on Magnetics, 2010, 46, 1633-1636.	1.2	37
186	Magnetic Field Analysis and Dynamic Characteristic Prediction of AC Permanent-Magnet Contactor. IEEE Transactions on Magnetics, 2009, 45, 2990-2995.	1.2	39