

Hui Yang

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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.

133
papers

1,034
citations

17
h-index

25
g-index

168
ext. papers

1,357
ext. citations

3.4
avg, IF

4.79
L-index

#	Paper	IF	Citations
133	Thermal Optimization of a High-Speed Permanent Magnet Motor. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 749-752	2	54
132	Electromagnetic and Thermal Analysis of Open-Circuit Air Cooled High-Speed Permanent Magnet Machines With Gramme Ring Windings. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	46
131	A Variable-Flux Hybrid-PM Switched-Flux Memory Machine for EV/HEV Applications. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 2203-2214	4.3	44
130	Analysis of a Novel Switched-Flux Memory Motor Employing a Time-Divisional Magnetization Strategy. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 849-852	2	42
129	A Novel Hybrid-Magnetic-Circuit Variable Flux Memory Machine. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 5258-5268	8.9	34
128	Design Synthesis of Switched Flux Hybrid-Permanent Magnet Memory Machines. <i>IEEE Transactions on Energy Conversion</i> , 2017 , 32, 65-79	5.4	32
127	Recent advances in variable flux memory machines for traction applications: A review. <i>CES Transactions on Electrical Machines and Systems</i> , 2018 , 2, 34-50	2.3	31
126	Analysis of Consequent-Pole Flux Reversal Permanent Magnet Machine With Biased Flux Modulation Theory. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2107-2121	8.9	29
125	A Novel Consequent-Pole Hybrid Excited Vernier Machine. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	28
124	Magnetic Equivalent Circuit Modeling of Yokeless Axial Flux Permanent Magnet Machine With Segmented Armature. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	27
123	Design and Analysis of Novel Asymmetric-Stator-Pole Flux Reversal PM Machine. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 101-114	8.9	26
122	Flux adjustable permanent magnet machines: A technology status review. <i>Chinese Journal of Electrical Engineering</i> , 2016 , 2, 14-30	4	25
121	Comparative Study of Hybrid PM Memory Machines Having Single- and Dual-Stator Configurations. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 9168-9178	8.9	24
120	Hybrid-Excited Switched-Flux Hybrid Magnet Memory Machines. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-15	2	24
119	Novel High-Performance Switched Flux Hybrid Magnet Memory Machines With Reduced Rare-Earth Magnets. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 3901-3915	4.3	22
118	Static Characteristics of Novel Air-Cored Linear and Rotary Halbach Permanent Magnet Actuator. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 977-980	2	20
117	Flux-Regulatable Characteristics Analysis of a Novel Switched-Flux Surface-Mounted PM Memory Machine. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	18

116	High Power Density PMSM With Lightweight Structure and High-Performance Soft Magnetic Alloy Core. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	17
115	Comparative Study of Novel Variable-Flux Memory Machines Having Stator Permanent Magnet Topologies. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	17
114	A Dual-Consequent-Pole Vernier Memory Machine. <i>Energies</i> , 2016 , 9, 134	3.1	17
113	Synthesis of Hybrid Magnet Memory Machines Having Separate Stators for Traction Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 183-195	6.8	15
112	New Methods for Arc Permanent Magnet Linear Synchronous Motor to Decrease Torque Ripple. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 2659-2663	2	14
111	3-D Analytical Magnetic Field Analysis of Axial Flux Permanent-Magnet Machine. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	13
110	Stepwise Magnetization Control Strategy for DC-Magnetized Memory Machine. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 4273-4285	8.9	13
109	A Novel Hybrid-Pole Interior PM Machine with Magnet-Axis-Shifting Effect 2019 ,		12
108	Analysis and Performance Evaluation of an Efficient Power-Fed Permanent Magnet Adjustable Speed Drive. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 784-794	8.9	12
107	Novel Dual-Stator Machines With Biased Permanent Magnet Excitation. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 2070-2080	5.4	11
106	A Novel Magnet-Axis-Shifted Hybrid Permanent Magnet Machine for Electric Vehicle Applications. <i>Energies</i> , 2019 , 12, 641	3.1	10
105	Novel reluctance axis shifted machines with hybrid rotors 2017 ,		10
104	Analytical Modeling of Switched Flux Memory Machine. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	10
103	Analytical Analysis of a Novel Flux Adjustable Permanent Magnet Eddy-Current Coupling With a Movable Stator Ring. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-4	2	10
102	Irreversible Demagnetization Analysis of Permanent Magnet Materials in a Novel Flux Reversal Linear-Rotary Permanent Magnet Actuator. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	10
101	Novel switched-flux hybrid permanent magnet memory machines for EV/HEV applications 2014 ,		10
100	Comparative Study of Partitioned Stator Memory Machines With Series and Parallel Hybrid PM Configurations. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-8	2	9
99	Analysis of On-Load Magnetization Characteristics in a Novel Partitioned Stator Hybrid Magnet Memory Machine. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	8

98	Comparative Study of Stator-Consequent-Pole Permanent Magnet Machines With Different Stator-Slot Configurations. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-8	2	8
97	Second-Order Sliding Mode-Based Direct Torque Control of Variable-Flux Memory Machine. <i>IEEE Access</i> , 2020 , 8, 34981-34992	3.5	8
96	Investigation of design methodology for non-rare-earth variable-flux switched-flux memory machines. <i>IET Electric Power Applications</i> , 2016 , 10, 744-756	1.8	8
95	A New Hybrid-Excited Flux Reversal Arc Permanent Magnet Machine Having Partitioned Stators for Large Telescope Application. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-10	2	8
94	Air-Gap Flux Density Characteristics Comparison and Analysis of Permanent Magnet Vernier Machines With Different Rotor Topologies. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	8
93	Analytical Analysis of an Adjustable-Speed Permanent Magnet Eddy-Current Coupling With a Non-Rotary Mechanical Flux Adjuster. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-5	2	8
92	A Novel Dual-Layer PM Variable Flux Hybrid Memory Machine 2018 ,		8
91	Cogging Torque Optimization of Flux Memory Pole-Changing Permanent Magnet Machine. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 1-1	1.8	7
90	Analytical Modeling of Permanent Magnet Biased Axial Magnetic Bearing With Multiple Air Gaps. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	7
89	Investigation of Hybrid-Magnet-Circuit Variable Flux Memory Machines With Different Hybrid Magnet Configurations. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 340-351	4.3	7
88	Analytical Analysis of a Novel Brushless Hybrid Excited Adjustable Speed Eddy Current Coupling. <i>Energies</i> , 2019 , 12, 308	3.1	6
87	A Winding-Switching Concept for Flux Weakening in Consequent Magnet Pole Switched Flux Memory Machine. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	6
86	Flux-Concentrated External-Rotor Switched Flux Memory Machines for Direct-Drive Applications. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-6	1.8	6
85	Performance Improvement of Partitioned Stator Switched Flux Memory Machines With Triple-Magnet Configuration. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	6
84	Transverse flux permanent magnet motor with double-C stator hoops and flux-concentrated rotor for in-wheel drive electric vehicle 2014 ,		6
83	A Novel Linear-Rotary Permanent-Magnet Actuator Using Interlaced Poles. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	6
82	A Linear-Rotary Permanent Magnet Actuator With Independent Magnetic Circuit Structure. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-6	1.8	6
81	A variable-mode stator consequent pole memory machine. <i>AIP Advances</i> , 2018 , 8, 056612	1.5	5

80	A Magnetization State Initialization Control Scheme for Variable Flux Memory Machines Without Requiring Position Sensor Information. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 1157-1166	7.6	5
79	A Novel Dual-Sided PM Machine with Stator Spoke-Type PM Structure 2019 ,		5
78	Pre- and Post-Fault Operations of Six-phase Electric-Drive-Reconstructed Onboard Charger for Electric Vehicles. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 1-1	7.6	5
77	Comparative Study of Torque Production Mechanisms in Stator and Rotor Consequent-Pole Permanent Magnet Machines. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 2694-2704	7.6	5
76	3-D Analytical Analysis of Magnetic Field of Flux Reversal Linear-Rotary Permanent-Magnet Actuator. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-5	2	4
75	Loss Calculation and Temperature Field Analysis of Consequent-Pole Hybrid Excited Vernier Machine. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-5	2	4
74	Magnetization State Selection Method for Uncontrolled Generator Fault Prevention on Variable Flux Memory Machines. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 13270-13280	7.2	4
73	. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 2129-2140	4.3	4
72	A Novel Dual-Sided PM Variable Flux Memory Machine. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	4
71	A novel flux-reversal hybrid magnet memory machine 2017 ,		4
70	Online-Parameter-Estimation-Based Control Strategy Combining MTPA and Flux-Weakening for Variable Flux Memory Machines. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 4080-4090	7.2	4
69	A Hybrid Predictive Control for a Current Source Converter in an Aircraft DC Microgrid. <i>Energies</i> , 2019 , 12, 4025	3.1	4
68	Principle Investigation and Performance Comparison of Consequent-Pole Switched Flux PM Machines. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 766-778	7.6	4
67	A Novel Variable Flux Dual-Layer Hybrid Magnet Memory Machine with Bypass Airspace Barriers 2019 ,		3
66	A New Double-Sided Flux Reversal Arc Permanent Magnet Machine With Enhanced Torque Density Capability. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-6	2	3
65	Analysis of a New Dual-Stator Vernier Machine With Hybrid Magnet Flux-Reversal Arrangement. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	3
64	Influence of Design Parameters on On-Load Demagnetization Characteristics of Switched Flux Hybrid Magnet Memory Machine. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-5	2	3
63	A novel stator-consequent-pole memory machine 2016 ,		3

62	Design and investigation of a fractional-slot pole-changing memory machine 2016 ,		3
61	Design and Analysis of a Variable-Flux Pole-Changing Permanent Magnet Memory Machine. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	3
60	Novel Flux-Regulatable Dual-Magnet Vernier Memory Machines for Electric Vehicle Propulsion. <i>IEEE Transactions on Applied Superconductivity</i> , 2014 , 24, 1-5	1.8	3
59	Application of optoelectronic sensing technology in smart grid 2011 ,		3
58	Evaluation and analysis of novel flux-adjustable permanent magnet eddy current couplings with multiple rotors. <i>IET Electric Power Applications</i> , 2021 , 15, 754-768	1.8	3
57	High-performance partitioned-stator switched flux memory machines with hybrid magnets on external stator for traction applications 2016 ,		3
56	Electromagnetic Analysis of a HTS Linear-Rotary Permanent Magnet Actuator. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	3
55	A Novel Asymmetric-Magnetic-Pole Interior PM Machine with Magnet-Axis-Shifting Effect. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	3
54	Comparative Study of Permanent Magnet Machines with Single-Sided and Dual-Sided Magnets 2018 ,		3
53	Investigation of Double-Side Field Modulation Mechanism in Consequent-Pole PM Machines With Concentrated Windings. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 36, 1635-1648	5.4	3
52	Comparative Study of Advanced Stator Interior Permanent Magnet Machines 2019 ,		2
51	Novel alternative switched flux memory machines having hybrid magnet topologies 2015 ,		2
50	Design and analysis of a flux intensifying permanent magnet embedded salient pole wind generator. <i>AIP Advances</i> , 2018 , 8, 056627	1.5	2
49	Influence of magnet eddy current on magnetization characteristics of variable flux memory machine. <i>AIP Advances</i> , 2018 , 8, 056602	1.5	2
48	Novel dual stator switched flux hybrid magnet memory machines 2016 ,		2
47	Linear Representation of Saturation Characteristics Associated With Eddy Currents in Ferromagnetic Materials. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 121-124	2	2
46	Torque Generation Mechanism and Performance Evaluation of a Dual-Sided PM Machine With Stator U-Shaped Magnets. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	2
45	Position Estimation Method of IPMSM in Full Speed Range by Simplified Quadratic Optimization. <i>IEEE Access</i> , 2020 , 8, 109964-109975	3.5	2

44	Comparative study of hybrid-PM variable-flux machines with different series PM configurations. <i>AIP Advances</i> , 2019 , 9, 125241	1.5	2
43	Analysis of Flux Regulation Principle in a Novel Hybrid-Magnet-Circuit Variable Flux Memory Machine 2019 ,		2
42	Design and Analysis of a Novel Mechanical-Variable-Flux Stator Consequent-Pole Machine 2019 ,		2
41	A Parallel Consequent Pole Reluctance Machine With Bipolar Coil Flux-Linkage. <i>IEEE Access</i> , 2020 , 8, 116490-116500	3.3	2
40	A Novel Squirrel-Cage Rotor Permanent Magnet Adjustable Speed Drive With a Non-Rotary Mechanical Flux Adjuster. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 36, 1036-1044	5.4	2
39	A Novel Stator Flux-Concentrated Hybrid Permanent Magnet Memory Machine. <i>IEEE Transactions on Magnetics</i> , 2021 , 57, 1-6	2	2
38	Design and Analysis of a Dual-Rotor Field Modulation Machine with Triple PM Excitation 2018 ,		2
37	Investigation of Torque Improvement Mechanism in Emerging Switched Flux PM Machines. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	2
36	A Novel Delta-Type Hybrid-Magnetic-Circuit Variable Flux Memory Machine for Electrified Vehicle Applications. <i>IEEE Transactions on Transportation Electrification</i> , 2022 , 1-1	7.6	2
35	Speed Fluctuation Mitigation Control for Variable Flux Memory Machine During Magnetization State Manipulations. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	2
34	A Novel Stator Spoke-Type Hybrid Magnet Memory Machine 2019 ,		1
33	Investigation of Torque Characteristics of Switched Flux Hybrid Magnet Memory Machine by a Coupled Solution. <i>IEEE Transactions on Magnetics</i> , 2020 , 56, 1-5	2	1
32	Electromagnetic analysis of a novel axial-field switched flux hybrid magnet memory machine 2016 ,		1
31	Air-Gap Magnetic Field Analysis of Wind Generator With PM Embedded Salient Poles by Analytical and Finite Element Combination Technique. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 777-780	2	1
30	A Novel Interior Permanent Magnet Machine with Magnet Axis Shifted Effect for Electric Vehicle Applications. <i>World Electric Vehicle Journal</i> , 2021 , 12, 189	2.5	1
29	Operating-envelop-expandable control strategy for switched flux hybrid magnet memory machine 2016 ,		1
28	Speed Range Extension of a Dual-Stator PM Machine Using Winding Switching Strategy 2019 ,		1
27	On-load demagnetization effect of high-coercive-force PMs in switched flux hybrid magnet memory machine. <i>AIP Advances</i> , 2019 , 9, 125152	1.5	1

26	Numerical study on nanofluids natural convection heat transfer inside power transformer windings. <i>AIP Advances</i> , 2019 , 9, 125343	1.5	1
25	Investigation of magnetization characteristics of variable flux PM based on a Fourier-fitting hysteresis model. <i>AIP Advances</i> , 2019 , 9, 095056	1.5	1
24	Analysis of Novel Hybrid-Magnet-Circuit Variable Flux Memory Machines with Different Magnet Arrangements 2019 ,		1
23	Hybrid Analytical Modeling of Air-Gap Magnetic Field in Asymmetric-Stator-Pole Flux Reversal Permanent Magnet Machine Considering Slotting Effect. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	1
22	A Novel Current Control Strategy for Magnetization State Manipulation of Variable Flux Memory Machine Based on Linear Active Disturbance Rejection. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	1
21	Analysis of Field Modulation Effect in Consequent Pole Permanent Magnet Machines with Concentrated Windings 2018 ,		1
20	High Power Density Permanent Magnet Synchronous Motor With Lightweight Structure and High-Performance Soft Magnetic Alloy Core 2018 ,		1
19	A Hybrid Field Analytical Method of Hybrid-Magnetic-Circuit Variable Flux Memory Machine Considering Magnet Hysteresis Nonlinearity. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 2763-2774	7.6	1
18	Variable Time Magnetization Current Trajectory Control Method for Variable Flux Memory Machines. <i>IEEE Transactions on Transportation Electrification</i> , 2022 , 1-1	7.6	1
17	Torque Ripple Optimization of a Novel Cylindrical Arc Permanent Magnet Synchronous Motor Used in a Large Telescope. <i>Energies</i> , 2019 , 12, 362	3.1	0
16	Loss-Reduction-Oriented Optimization Methodology of Hybrid-Magnetic-Circuit Variable Flux Memory Machine for Global Efficiency Improvement. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	0
15	A Novel Asymmetric-PM Hybrid-Magnetic-Circuit Variable Flux Memory Machine for Traction Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	0
14	Analysis of Phase Lock Loop Closed-Loop Drive Circuit for Silicon Micromachined Resonant Accelerometer Based on the Average Method. <i>Applied Mechanics and Materials</i> , 2012 , 263-266, 691-696	0.3	
13	Investigation of Axial Field Switched Flux Memory Machine by a Combined Analytical Method. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	
12	Comparative Analysis of Parallel Hybrid Magnet Memory Machines with Different PM Arrangements. <i>World Electric Vehicle Journal</i> , 2021 , 12, 177	2.5	
11	Mode recognition and coordinated magnetisation control method for variable flux memory machine. <i>Electronics Letters</i> , 2021 , 57, 570-572	1.1	
10	Design Considerations of Switched Flux Memory Machine with Partitioned Stators. <i>Energies</i> , 2019 , 12, 3868	3.1	
9	Comparative Study of Novel Dual Stator Machines Having Different Biased PM Configurations. <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1	2	

8	Investigation of Balanced Bidirectional-Magnetization Effect of a Novel Hybrid-Magnet-Circuit Variable Flux Memory Machine. <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1	2
7	Comparative Study of Consequent-Pole Switched-Flux Machines with Different U-Shaped PM Structures. <i>World Electric Vehicle Journal</i> , 2021 , 12, 22	2.5
6	Comparative study of stator consequent-pole permanent magnet machines. <i>IET Electric Power Applications</i> , 2021 , 15, 463-475	1.8
5	Design and Investigation of a Hybrid Stator Pole Memory Machine With DC Bias Magnetization Capability. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8
4	A Novel Three-Stage Optimization Design Method of Asymmetric-PM Variable Flux Memory Machine Considering Magnet-Axis-Shifting Effect. <i>IEEE Transactions on Transportation Electrification</i> , 2022 , 1-1	7.6
3	Influence of Low-Coercive-Force Magnet Property on Electromagnetic Performance of Variable Flux Memory Machine. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2
2	On Unintentional Demagnetization Effect of Switched Flux Hybrid Magnet Memory Machine. <i>World Electric Vehicle Journal</i> , 2022 , 13, 66	2.5
1	A Novel Variable Flux Memory Machine with Separated Series-Parallel PM Structure. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9