Shukang Lyu

List of Publications by Year
in descending order

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45 papers	539 citations	759233 12 h-index	713466 21 g-index
45 all docs	45 docs citations	45 times ranked	272 citing authors

#	Article	IF	Citations
1	A Novel Variable Flux Memory Machine With Separated Series–Parallel PM Structure. IEEE Transactions on Industrial Electronics, 2023, 70, 3348-3361.	7.9	12
2	Investigation of Balanced Bidirectional-Magnetization Effect of a Novel Hybrid-Magnet-Circuit Variable-Flux Memory Machine. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	4
3	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.	5.4	2
4	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.	7.9	11
5	Variable Time Magnetization Current Trajectory Control Method for Variable Flux Memory Machines. IEEE Transactions on Transportation Electrification, 2022, 8, 3100-3110.	7.8	4
6	A Novel Delta-Type Hybrid-Magnetic-Circuit Variable Flux Memory Machine for Electrified Vehicle Applications. IEEE Transactions on Transportation Electrification, 2022, 8, 3512-3523.	7.8	11
7	A Novel Asymmetric-PM Hybrid-Magnetic-Circuit Variable Flux Memory Machine for Traction Applications. IEEE Transactions on Vehicular Technology, 2022, 71, 4911-4921.	6.3	4
8	Principle Investigation and Performance Comparison of Consequent-Pole Switched Flux PM Machines. IEEE Transactions on Transportation Electrification, 2021, 7, 766-778.	7.8	20
9	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.	7.9	7
10	A Novel Asymmetric-Magnetic-Pole Interior PM Machine With Magnet-Axis-Shifting Effect. IEEE Transactions on Industry Applications, 2021, 57, 5927-5938.	4.9	11
11	Investigation of Double-Side Field Modulation Mechanism in Consequent-Pole PM Machines With Concentrated Windings. IEEE Transactions on Energy Conversion, 2021, 36, 1635-1648.	5.2	12
12	Investigation of Hybrid-Magnet-Circuit Variable Flux Memory Machines With Different Hybrid Magnet Configurations. IEEE Transactions on Industry Applications, 2021, 57, 340-351.	4.9	23
13	Comparative Analysis of Parallel Hybrid Magnet Memory Machines with Different PM Arrangements. World Electric Vehicle Journal, 2021, 12, 177.	3.0	0
14	Design and Analysis of Novel Asymmetric-Stator-Pole Flux Reversal PM Machine. IEEE Transactions on Industrial Electronics, 2020, 67, 101-114.	7.9	48
15	Analysis of Consequent-Pole Flux Reversal Permanent Magnet Machine With Biased Flux Modulation Theory. IEEE Transactions on Industrial Electronics, 2020, 67, 2107-2121.	7.9	61
16	A Novel Hybrid-Magnetic-Circuit Variable Flux Memory Machine. IEEE Transactions on Industrial Electronics, 2020, 67, 5258-5268.	7.9	63
17	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.	7.8	6
18	Magnetization State Selection Method for Uncontrolled Generator Fault Prevention on Variable Flux Memory Machines. IEEE Transactions on Power Electronics, 2020, 35, 13270-13280.	7.9	8

#	Article	IF	Citations
19	Second-Order Sliding Mode-Based Direct Torque Control of Variable-Flux Memory Machine. IEEE Access, 2020, 8, 34981-34992.	4.2	14
20	Investigation of Field Regulation Mechanism of Flux-Reversal Variable Flux Memory Machine by an Improved Frolich Hysteresis Model. , 2020, , .		0
21	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.	2.1	11
22	A Novel Variable Flux Dual-Layer Hybrid Magnet Memory Machine with Bypass Airspace Barriers. , 2019, , .		14
23	A Novel Stator Spoke-Type Hybrid Magnet Memory Machine. , 2019, , .		1
24	A Novel Hybrid-Pole Interior PM Machine with Magnet-Axis-Shifting Effect. , 2019, , .		16
25	Comparative Study of Stator-Consequent-Pole Permanent Magnet Machines With Different Stator-Slot Configurations. IEEE Transactions on Magnetics, 2019, 55, 1-8.	2.1	9
26	Influence of Design Parameters on On-Load Demagnetization Characteristics of Switched Flux Hybrid Magnet Memory Machine. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	7
27	Comparative Study of Partitioned Stator Memory Machines With Series and Parallel Hybrid PM Configurations. IEEE Transactions on Magnetics, 2019, 55, 1-8.	2.1	12
28	Speed Range Extension of a Dual-Stator PM Machine Using Winding Switching Strategy. , 2019, , .		2
29	On-load demagnetization effect of high-coercive-force PMs in switched flux hybrid magnet memory machine. AIP Advances, 2019, 9, .	1.3	3
30	Analysis of Novel Hybrid-Magnet-Circuit Variable Flux Memory Machines with Different Magnet Arrangements. , 2019, , .		1
31	Analysis of Flux Regulation Principle in a Novel Hybrid-Magnet-Circuit Variable Flux Memory Machine. , 2019, , .		3
32	Comparative Study of Electromagnetic Force Characteristics of Flux Reversal PM Machines with Asymmetrical and Symmetrical Stators. , 2019, , .		0
33	A Novel Dual-Sided PM Machine with Stator Spoke-Type PM Structure. , 2019, , .		8
34	Stepwise Magnetization Control Strategy for DC-Magnetized Memory Machine. IEEE Transactions on Industrial Electronics, 2019, 66, 4273-4285.	7.9	18
35	Design and analysis of a flux intensifying permanent magnet embedded salient pole wind generator. AIP Advances, 2018, 8, .	1.3	4
36	Comparative Study of Hybrid PM Memory Machines Having Single- and Dual-Stator Configurations. IEEE Transactions on Industrial Electronics, 2018, 65, 9168-9178.	7.9	33

#	Article	IF	Citations
37	A variable-mode stator consequent pole memory machine. AIP Advances, 2018, 8, 056612.	1.3	9
38	Influence of magnet eddy current on magnetization characteristics of variable flux memory machine. AIP Advances, 2018, 8, 056602.	1.3	2
39	Comparative Study of Permanent Magnet Machines with Single-Sided and Dual-Sided Magnets. , 2018, , .		7
40	Analysis of Field Modulation Effect in Consequent Pole Permanent Magnet Machines with Concentrated Windings. , 2018, , .		3
41	A Novel Dual-Layer PM Variable Flux Hybrid Memory Machine. , 2018, , .		12
42	A Novel Dual-Sided PM Variable Flux Memory Machine. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	7
43	Novel Dual-Stator Machines With Biased Permanent Magnet Excitation. IEEE Transactions on Energy Conversion, 2018, 33, 2070-2080.	5.2	16
44	Novel variable reluctance hybrid magnet memory machines. , 2017, , .		2
45	Novel reluctance axis shifted machines with hybrid rotors. , 2017, , .		18