

Shuangxia Niu

List of Publications by Year in descending order

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1641
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Comparison of Novel Vernier Permanent Magnet Machines. IEEE Transactions on Magnetics, 2010, 46, 2032-2035.	1.2	148
2	Design and Comparison of Vernier Permanent Magnet Machines. IEEE Transactions on Magnetics, 2011, 47, 3280-3283.	1.2	110
3	Development of a New Brushless Doubly Fed Doubly Salient Machine for Wind Power Generation. IEEE Transactions on Magnetics, 2006, 42, 3455-3457.	1.2	106
4	Design and Control of a New Double-Stator Cup-Rotor Permanent-Magnet Machine for Wind Power Generation. IEEE Transactions on Magnetics, 2007, 43, 2501-2503.	1.2	99
5	Design Optimization and Comparative Study of Novel Dual-PM Excited Machines. IEEE Transactions on Industrial Electronics, 2017, 64, 9924-9933.	5.2	81
6	Comparison of Stator-Permanent-Magnet Brushless Machines. IEEE Transactions on Magnetics, 2008, 44, 4405-4408.	1.2	77
7	A scenario of vehicle-to-grid implementation and its double-layer optimal charging strategy for minimizing load variance within regional smart grids. Energy Conversion and Management, 2014, 78, 508-517.	4.4	75
8	A Novel Hybrid Dual-PM Machine Excited by AC With DC Bias for Electric Vehicle Propulsion. IEEE Transactions on Industrial Electronics, 2017, 64, 6908-6919.	5.2	70
9	Design and Control of a PM Brushless Hybrid Generator for Wind Power Application. IEEE Transactions on Magnetics, 2006, 42, 3497-3499.	1.2	63
10	A Novel Stator and Rotor Dual PM Vernier Motor With Space Vector Pulse Width Modulation. IEEE Transactions on Magnetics, 2014, 50, 805-808.	1.2	62
11	Design and Optimization of a New Magnetic-Geared Pole-Changing Hybrid Excitation Machine. IEEE Transactions on Industrial Electronics, 2017, 64, 9943-9952.	5.2	58
12	A Novel Direct-Drive Dual-Structure Permanent Magnet Machine. IEEE Transactions on Magnetics, 2010, 46, 2036-2039.	1.2	57
13	A Novel Hybrid-Excited Dual-PM Machine With Bidirectional Flux Modulation. IEEE Transactions on Energy Conversion, 2017, 32, 424-435.	3.7	57
14	Sensitivity Analysis and Optimal Design of a Dual Mechanical Port Bidirectional Flux-Modulated Machine. IEEE Transactions on Industrial Electronics, 2018, 65, 211-220.	5.2	54
15	Robust Model Predictive Control for a Three-Phase PMSM Motor With Improved Control Precision. IEEE Transactions on Industrial Electronics, 2021, 68, 838-849.	5.2	54
16	Design of a Novel Parallel-Hybrid-Excited Dual-PM Machine Based on Armature Harmonics Diversity for Electric Vehicle Propulsion. IEEE Transactions on Industrial Electronics, 2019, 66, 4209-4219.	5.2	53
17	Development of a Magnetless Flux Switching Machine for Rooftop Wind Power Generation. IEEE Transactions on Energy Conversion, 2015, 30, 1703-1711.	3.7	51
18	Eddy Current Reduction in High-Speed Machines and Eddy Current Loss Analysis With Multislice Time-Stepping Finite-Element Method. IEEE Transactions on Magnetics, 2012, 48, 1007-1010.	1.2	50

#	ARTICLE	IF	CITATIONS
19	A Novel Double-Stator Double-Rotor Brushless Electrical Continuously Variable Transmission System. IEEE Transactions on Magnetics, 2013, 49, 3909-3912.	1.2	45
20	Transient Analysis of a Magnetic Gear Integrated Brushless Permanent Magnet Machine Using Circuit-Field-Motion Coupled Time-Stepping Finite Element Method. IEEE Transactions on Magnetics, 2010, 46, 2074-2077.	1.2	44
21	Performance Analysis of a Novel Magnetic-Geared Tubular Linear Permanent Magnet Machine. IEEE Transactions on Magnetics, 2011, 47, 3598-3601.	1.2	44
22	Overview of flux-controllable machines: Electrically excited machines, hybrid excited machines and memory machines. Renewable and Sustainable Energy Reviews, 2017, 68, 475-491.	8.2	44
23	A Novel Contra-Rotating Power Split Transmission System for Wind Power Generation and Its Dual MPPT Control Strategy. IEEE Transactions on Power Electronics, 2017, 32, 6924-6935.	5.4	44
24	Design of a Novel Parallel-Hybrid-Excited Vernier Reluctance Machine with Improved Utilization of Redundant Winding Harmonics. IEEE Transactions on Industrial Electronics, 2018, 65, 9056-9067.	5.2	44
25	A New Relieving-DC-Saturation Hybrid Excitation Vernier Machine for HEV Starter Generator Application. IEEE Transactions on Industrial Electronics, 2020, 67, 6342-6353.	5.2	41
26	Design of a Novel Electrical Continuously Variable Transmission System Based on Harmonic Spectra Analysis of Magnetic Field. IEEE Transactions on Magnetics, 2013, 49, 2161-2164.	1.2	40
27	Electrical-Continuously Variable Transmission System Based on Doubly Fed Flux-Bidirectional Modulation. IEEE Transactions on Industrial Electronics, 2017, 64, 2722-2731.	5.2	38
28	Analysis of Eddy-Current Loss in a Double-Stator Cup-Rotor PM Machine. IEEE Transactions on Magnetics, 2008, 44, 4401-4404.	1.2	37
29	Design Optimization of Magnetic Gears Using Mesh Adjustable Finite-Element Algorithm for Improved Torque. IEEE Transactions on Magnetics, 2012, 48, 4156-4159.	1.2	37
30	A Quantitative Comparison Study of Power-Electronic-Driven Flux-Modulated Machines Using Magnetic Field and Thermal Field Co-Simulation. IEEE Transactions on Industrial Electronics, 2015, 62, 6076-6084.	5.2	37
31	Differential Evolution-Based Multiobjective Optimization of the Electrical Continuously Variable Transmission System. IEEE Transactions on Industrial Electronics, 2018, 65, 2080-2089.	5.2	35
32	A New Slot-PM Vernier Reluctance Machine With Enhanced Zero-Sequence Current Excitation for Electric Vehicle Propulsion. IEEE Transactions on Industrial Electronics, 2020, 67, 3528-3539.	5.2	35
33	Design of an Electrical Continuously Variable Transmission Based Wind Energy Conversion System. IEEE Transactions on Industrial Electronics, 2016, 63, 6745-6755.	5.2	34
34	Design and Optimization of a Novel Slot-PM-Assisted Variable Flux Reluctance Generator for Hybrid Electric Vehicles. IEEE Transactions on Energy Conversion, 2018, 33, 2102-2111.	3.7	34
35	Design and Analysis of a Novel Axial-Flux Electric Machine. IEEE Transactions on Magnetics, 2011, 47, 4368-4371.	1.2	33
36	Design of a Novel Consequent-Pole Transverse-Flux Machine With Improved Permanent Magnet Utilization. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	33

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37	Quantitative comparison of double-stator and traditional permanent magnet brushless machines. <i>Journal of Applied Physics</i> , 2009, 105, 07F105.	1.1	32
38	Design, Modeling, and Control of a Novel Hybrid-Excited Flux-Bidirectional-Modulated Generator-Based Wind Power Generation System. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 3086-3096.	5.4	32
39	Design of a New Relieving-DC-Saturation Hybrid Reluctance Machine for Fault-Tolerant In-Wheel Direct Drive. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 9571-9581.	5.2	32
40	Design and Analysis of a Magnetless Double-Rotor Flux Switching Motor for Low Cost Application. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	31
41	A Novel Magnetic-Geared Tubular Linear Machine With Halbach Permanent-Magnet Arrays for Tidal Energy Conversion. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	1.2	29
42	Analysis of Rotor Losses in Permanent Magnet Vernier Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 1224-1234.	5.2	29
43	Design and analysis of novel magnetic flux-modulated mnemonic machines. <i>IET Electric Power Applications</i> , 2015, 9, 469-477.	1.1	28
44	Design Optimization and Comparative Study of Novel Magnetic-Geared Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	1.2	28
45	Torque Component Quantification and Design Guideline for Dual Permanent Magnet Vernier Machine. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-5.	1.2	28
46	A Novel Dual-Permanent-Magnet-Excited Machine With Non-Uniformly Distributed Permanent-Magnets and Flux Modulation Poles on the Stator. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 7104-7115.	3.9	28
47	An Indirect Reference Vector-Based Model Predictive Control for a Three-Phase PMSM Motor. <i>IEEE Access</i> , 2020, 8, 29435-29445.	2.6	27
48	Design Optimization of a Novel Scale-Down Hybrid-Excited Dual Permanent Magnet Generator for Direct-Drive Wind Power Application. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-4.	1.2	26
49	A New Modular Relieving-DC-Saturation Vernier Reluctance Machine Excited by Zero-Sequence Current for Electric Vehicle. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-5.	1.2	26
50	A Novel Solid-Rotor Induction Motor With Skewed Slits in Radial and Axial Directions and Its Performance Analysis Using Finite Element Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2010, 20, 1089-1092.	1.1	25
51	Comparative Analysis of Bearing Current in Wind Turbine Generators. <i>Energies</i> , 2018, 11, 1305.	1.6	25
52	Design and Optimization of a Novel Dual-PM Machine for Electric Vehicle Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 14391-14400.	3.9	25
53	A Design Method of Magnetically Resonating Wireless Power Delivery Systems for Bio-Implantable Devices. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 3833-3836.	1.2	22
54	A Novel Approach to Investigate the Hot-Spot Temperature Rise in Power Transformers. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	1.2	21

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55	Development of a Novel Transverse Flux Tubular Linear Machine With Parallel and Complementary PM Magnetic Circuit for Precision Industrial Processing. IEEE Transactions on Industrial Electronics, 2019, 66, 4945-4955.	5.2	21
56	Flux-Modulated Relieving-DC-Saturation Hybrid Reluctance Machine With Synthetic Slot-PM Excitation for Electric Vehicle In-Wheel Propulsion. IEEE Transactions on Industrial Electronics, 2021, 68, 6075-6086.	5.2	21
57	A New Double-Winding Vernier Permanent Magnet Wind Power Generator for Hybrid AC/DC Microgrid Application. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	20
58	A Novel Dual-Rotor Bidirectional Flux-Modulation PM Generator for Stand-Alone DC Power Supply. IEEE Transactions on Industrial Electronics, 2019, 66, 818-828.	5.2	20
59	Power loss analysis and thermal assessment on wireless electric vehicle charging technology: The over-temperature risk of ground assembly needs attention. Applied Energy, 2020, 275, 115344.	5.1	20
60	Nonlinear predictive control for adaptive adjustments of deep brain stimulation parameters in basal ganglia-thalamic network. Neural Networks, 2018, 98, 283-295.	3.3	19
61	Novel Bearing Current Suppression Approach in Doubly-Fed Induction Generators. IEEE Access, 2019, 7, 171525-171532.	2.6	18
62	A Parameterized Mesh Generation and Refinement Method for Finite Element Parameter Sweeping Analysis of Electromagnetic Devices. IEEE Transactions on Magnetics, 2012, 48, 239-242.	1.2	17
63	Electromagnetic Design and Analysis of a Novel Fault-Tolerant Flux-Modulated Memory Machine. Energies, 2015, 8, 8069-8085.	1.6	17
64	Operation Principle and Torque Component Quantification of Short-Pitched Flux-Bidirectional-Modulation Machine. IEEE Access, 2019, 7, 136676-136685.	2.6	17
65	Hysteresis Effects of Laminated Steel Materials on Detent Torque in Permanent Magnet Motors. IEEE Transactions on Magnetics, 2011, 47, 3594-3597.	1.2	16
66	Numerical Analysis and Optimization of Lobe-Type Magnetic Shielding in a 334 MVA Single-Phase Auto-Transformer. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	16
67	Hysteresis Modeling in Transient Analysis of Electric Motors With AlNiCo Magnets. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	16
68	Maximum Power Point Tracking Sensorless Control of an Axial-Flux Permanent Magnet Vernier Wind Power Generator. Energies, 2016, 9, 581.	1.6	16
69	Design and Analysis of a New Brushless Electrically Excited Claw-Pole Generator for Hybrid Electric Vehicle. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	16
70	A Novel Hybrid-Pole Interior PM Machine with Magnet-Axis-Shifting Effect. , 2019, , .		16
71	A Novel High-Order-Harmonic Winding Design Method for Vernier Reluctance Machine With DC Coils Across Two Stator Teeth. IEEE Transactions on Industrial Electronics, 2022, 69, 7696-7707.	5.2	16
72	Eddy-Current Analysis of Double-Stator Inset-Type Permanent Magnet Brushless Machines. IEEE Transactions on Applied Superconductivity, 2010, 20, 1097-1101.	1.1	15

#	ARTICLE	IF	CITATIONS
73	A Novel Vernier Reluctance Machine Excited by Slot PMs and Zero-Sequence Current for Electric Vehicle. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	15
74	Design and Optimization of a Dual-Permanent-Magnet Vernier Machine With a Novel Optimization Model. IEEE Transactions on Magnetics, 2020, 56, 1-5.	1.2	15
75	Design and Analysis of a Double-Stator Cup-Rotor PM Integrated-Starter-Generator. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2006, , .	0.0	14
76	Multi-Objective Optimization of a Direct-Drive Dual-Structure Permanent Magnet Machine. IEEE Transactions on Magnetics, 2019, 55, 1-4.	1.2	14
77	Design and Analysis of Novel Focused Hyperthermia Devices. IEEE Transactions on Magnetics, 2012, 48, 3254-3257.	1.2	12
78	Design of Dual-Electrical-Port DC-Coil-Free Hybrid-Excited Machines. IEEE Transactions on Energy Conversion, 2019, 34, 1328-1336.	3.7	12
79	Sensitivity Analysis and Design Optimization of a New Hybrid-Excited Dual-PM Generator With Relieving-DC-Saturation Structure for Stand-Alone Wind Power Generation. IEEE Transactions on Magnetics, 2020, 56, 1-5.	1.2	12
80	A Parameterized Mesh Technique for Finite Element Magnetic Field Computation and Its Application to Optimal Designs of Electromagnetic Devices. IEEE Transactions on Magnetics, 2011, 47, 2943-2946.	1.2	11
81	Power Balanced Electromagnetic Torque Computation in Electric Machines Based on Energy Conservation in Finite-Element Method. IEEE Transactions on Magnetics, 2013, 49, 2385-2388.	1.2	11
82	Development of a Novel Brushless Power Split Transmission System for Wind Power Generation Application. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	11
83	A Novel Structure of Dual-Stator Hybrid Excitation Synchronous Motor. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	11
84	A Novel Design Method for the Electrical Machines With Biased DC Excitation Flux Linkage. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	11
85	Flux-Modulated Permanent Magnet Machines: Challenges and Opportunities. World Electric Vehicle Journal, 2021, 12, 13.	1.6	11
86	Comparative Analysis of Different Permanent Magnet Arrangements in a Novel Flux Modulated Electric Machine. IEEE Access, 2021, 9, 14437-14445.	2.6	11
87	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
88	Design and Analysis of a New HTS Double-Stator Doubly Fed Wind Generator. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	10
89	Design and Analysis of a Novel Modular Linear Double-Stator Biased Flux Machine. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	10
90	Robust Design and Optimization for a Permanent Magnet Vernier Machine With Hybrid Stator. IEEE Transactions on Energy Conversion, 2020, 35, 2086-2094.	3.7	10

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91	Reduction of Numerical Errors of Time-Stepping Finite Element Analysis for Dynamic Simulation of Electric Machines. IEEE Transactions on Applied Superconductivity, 2010, 20, 1864-1868.	1.1	9
92	A Mesh-Insensitive Methodology for Magnetic Force Computation in Finite-Element Analysis. IEEE Transactions on Magnetics, 2012, 48, 287-290.	1.2	9
93	A Power-Balanced Time-Stepping Finite Element Method for Transient Magnetic Field Computation. IEEE Transactions on Magnetics, 2012, 48, 291-294.	1.2	9
94	A New Dual-Stator Bidirectional-Modulated PM Machine and Its Optimization. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	9
95	A Novel Multiphase Brushless Power-Split Transmission System for Wind Power Generation. IEEE Transactions on Magnetics, 2016, 52, 1-7.	1.2	9
96	A Permanent-magnet double-stator integrated-starter-generator for hybrid electric vehicles. , 2008, , .		8
97	An Equivalent Parameter Extraction Method of Transient Electric Circuit and Magnetic Field Coupled Problems Based on Sensitivity Computation of System Equations. IEEE Transactions on Magnetics, 2011, 47, 2068-2075.	1.2	8
98	A Convenient Mesh Rotation Method of Finite Element Analysis Using Sub-Matrix Transformation Approach. IEEE Transactions on Magnetics, 2012, 48, 303-306.	1.2	8
99	Comparison Study of Finite Element Methods to Deal With Floating Conductors in Electric Field. IEEE Transactions on Magnetics, 2012, 48, 351-354.	1.2	8
100	Electromagnetic Performance Analysis of Novel Flux-Regulatable Permanent Magnet Machines for Wide Constant-Power Speed Range Operation. Energies, 2015, 8, 13971-13984.	1.6	8
101	Design and Sensorless Control of a Novel Axial-Flux Permanent Magnet Machine for In-Wheel Applications. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	8
102	Design of Doubly Complementary Stator-PM Machine With High Magnet Utilization Factor for Low-Cost Applications. IEEE Transactions on Energy Conversion, 2018, 33, 567-575.	3.7	8
103	A Novel Axial-Flux-Complementary Doubly Salient Machine With Boosted PM Utilization for Cost-Effective Direct-Drive Applications. IEEE Access, 2019, 7, 145970-145977.	2.6	8
104	High-Precision Coordinated Position Control of Integrated Permanent Magnet Synchronous Linear Motor Stations. IEEE Access, 2020, 8, 126253-126265.	2.6	8
105	Magnetic Circuit Analysis for a Magnetless Double-Rotor Flux Switching Motor. IEEE Transactions on Magnetics, 2015, 51, 1-5.	1.2	7
106	Design and analysis of novel double stator biased flux machines. , 2016, , .		7
107	A Novel DC-Coil-Free Hybrid-Excited Machine with Consequent-Pole PM Rotor. Energies, 2018, 11, 700.	1.6	7
108	Influence of Rotor-Pole Number on Electromagnetic Performance of Novel Double-Rotor Hybrid Excited Axial Switched-Flux Permanent-Magnet Machines for EV/HEV Applications. IEEE Transactions on Magnetics, 2020, 56, 1-6.	1.2	7

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109	Foreign object detection considering misalignment effect for wireless EV charging system. ISA Transactions, 2022, 130, 655-666.	3.1	7
110	Design and Control of a Double-Stator Permanent-Magnet Motor Drive for Electric Vehicles. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , .	0.0	6
111	A New Hybrid-Excited Electric Continuous Variable Transmission System. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	6
112	Comparison Between Dual-Permanent-Magnet-Excited Machines With Fewer Stator Poles and Fewer Rotor Poles. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	6
113	Nonlinear Convergence Acceleration of Magnetic Field Computation. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	6
114	Optimal Structure Design of Permanent Magnet Motors Based on a General Pattern of Rotor Topologies. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	6
115	Topology Exploration and Torque Component Analysis of Double Stator Biased Flux Machines Based on Magnetic Field Modulation Mechanism. IEEE Transactions on Energy Conversion, 2018, 33, 584-593.	3.7	6
116	Comparative Study of Relieving-DC-Saturation Hybrid Excited Vernier Machine With Different Rotor Pole Designs for Wind Power Generation. IEEE Access, 2020, 8, 198900-198911.	2.6	6
117	A Novel Winding Switching Control Strategy for AC/DC Hybrid-Excited Wind Power Generator. IEEE Transactions on Magnetics, 2021, 57, 1-4.	1.2	6
118	Predictive-Pulse-Injection-Based Dual-Inverter Complementary Sensorless Drive for 12/10 DC Vernier Reluctance Machine. IEEE Transactions on Power Electronics, 2022, 37, 8369-8378.	5.4	6
119	A Position Detection Strategy for Sensorless Surface Mounted Permanent Magnet Motors at Low Speed Using Transient Finite-Element Analysis. IEEE Transactions on Magnetics, 2012, 48, 1003-1006.	1.2	5
120	A feasibility study on a new brushless and gearless contra-rotating permanent magnet wind power generator. Journal of Applied Physics, 2014, 115, .	1.1	5
121	Investigation of a New Hybrid Excitation Machine With Auxiliary Winding for Energy Recycling. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	5
122	Design and comparison of electrically excited double rotor flux switching motor drive systems for automotive applications. CES Transactions on Electrical Machines and Systems, 2018, 2, 191-199.	2.7	5
123	A Novel Zero-Sequence-Current-Based Dual-Stator Biased-Flux Machine. IEEE Transactions on Energy Conversion, 2018, 33, 1934-1942.	3.7	5
124	A Novel Dual-Structure Parallel Hybrid Excitation Machine for Electric Vehicle Propulsion. Energies, 2019, 12, 338.	1.6	5
125	Analysis and Design of a New Relieving-DC-Saturation Transverse-Flux Tubular Motor With Complementary Magnetic Circuit. IEEE Transactions on Magnetics, 2021, 57, 1-5.	1.2	5
126	Design and optimization of a slot-PM-assisted doubly-salient machine based on saturation assuaging. Chinese Journal of Electrical Engineering, 2021, 7, 65-72.	2.3	5

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127	A Hybrid Two-Stage Control Solution for Six-Phase PMSM Motor With Improved Performance. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 5435-5445.	3.7	5
128	Blind-Zone-Free Metal Object Detection for Wireless EV Chargers Employing DD Coils by Passive Electromagnetic Sensing. IEEE Transactions on Industrial Electronics, 2023, 70, 965-974.	5.2	5
129	Demagnetization Fault Detection and Location in PMSM Based on Correlation Coefficient of Branch Current Signals. Energies, 2022, 15, 2952.	1.6	5
130	Comparative Analysis and Optimization of Novel Pulse Injection Sensorless Drive Methods for Fault-Tolerant DC Vernier Reluctance Machine. IEEE Transactions on Power Electronics, 2022, 37, 13566-13576.	5.4	5
131	Design and optimization of yokeless magnetic gear with asymmetric Halbach permanent magnet array for electric vehicle powertrain. IET Renewable Power Generation, 2022, 16, 2223-2232.	1.7	5
132	A Sensitivity Analysis Method for Equivalent Parameter Extraction of Transient Magnetic Field With Internal Circuits. IEEE Transactions on Magnetics, 2012, 48, 295-298.	1.2	4
133	Electromagnetic Performance Analysis of Novel HTS Doubly Fed Flux-Modulated Machines. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	4
134	A Comparative Study of Novel Topologies of Magnetic Gears. Energies, 2016, 9, 773.	1.6	4
135	Impacts of inland boundary conditions on modeling seawater intrusion in coastal aquifers due to sea-level rise. Natural Hazards, 2017, 88, 145-163.	1.6	4
136	A novel stator and rotor dual PM flux modulated machine. Chinese Journal of Electrical Engineering, 2017, 3, 10-15.	2.3	4
137	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
138	Novel DC-Saturation-Relieving Hybrid Reluctance Machine With Skewed Permanent Magnets for Electric Vehicle Propulsion. IEEE Transactions on Magnetics, 2022, 58, 1-6.	1.2	4
139	A Novel Winding Switching Control Strategy of a Consequent-Pole Ferrite-PM Hybrid-Excited Machine for Electric Vehicle Application. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	4
140	A Novel Slot-PM Assisted Complementary-Rotor Doubly Salient Machine With Enhanced Torque Performance. IEEE Transactions on Industrial Electronics, 2022, 69, 11499-11509.	5.2	4
141	Novel Steel-Bar Starting Cage Line-Start Permanent Magnet Machine With Spoke-Type Insulation Layers. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	4
142	Quantitative Analysis of Hybrid-Excited Doubly Salient Machine With Subslot Bottom PMs and Its Comparative Study. IEEE Transactions on Industrial Electronics, 2023, 70, 4558-4569.	5.2	4
143	Chaoization of a Single-Phase Induction Motor for Washing Machines. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2006, , .	0.0	3
144	Design and Control of a Double-Stator Permanent-Magnet Motor Drive for Electric Vehicles. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , .	0.0	3

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145	Design optimization and comparative analysis of dual-stator flux modulation machines. , 2017, , .		3
146	Coupled Electromagnetic-Thermal Optimization of a Separate-Stator Modular Machine With Biased Flux. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	3
147	A Permanent Magnet Linear Motor With Complementary Flux and Its Optimization. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	3
148	A New Dual-PM Excited Doubly Salient Machine for Traction Applications. , 2020, , .		3
149	A novel doublyâ€fed doublyâ€salient machine with DCâ€saturationâ€relieving structure for wind power generation. IET Renewable Power Generation, 2021, 15, 2042-2051.	1.7	3
150	Multilevel Optimization of a Novel Dual-PM Dual-Electric Port Generator for Hybrid AC/DC System. IEEE Transactions on Magnetics, 2021, 57, 1-5.	1.2	3
151	Slot-PM-Assisted Hybrid Reluctance Generator With Self-Excited DC Source for Stand-Alone Wind Power Generation. IEEE Transactions on Magnetics, 2022, 58, 1-6.	1.2	3
152	Design and Analysis of a Double-Stator Cup-Rotor Directly Driven Permanent Magnet Wind Power Generator. , 2006, , .		3
153	A General Pattern of Assisted Flux Barriers for Design Optimization of an Asymmetric V-Shape Interior Permanent Magnet Machine. IEEE Transactions on Magnetics, 2022, 58, 1-4.	1.2	3
154	High Performance and Strong Fault Tolerant Triple 3-phase PMA-SynRM with Star-delta Windings. IEEE Transactions on Energy Conversion, 2022, , 1-1.	3.7	3
155	Reconstructing Saliency Effect in 12/10 DC Vernier Reluctance Machine for Position-Sensorless Drive Aerospace Starter Generator Application. IEEE Transactions on Energy Conversion, 2022, , 1-1.	3.7	3
156	Advances in Thermal Management Technologies of Electrical Machines. Energies, 2022, 15, 3249.	1.6	3
157	Fast Magnetic Field Approximation Method for Simulation of Coaxial Magnetic Gears Using AI. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2023, 4, 400-408.	3.0	3
158	A Novel Parallel-Excited Dual-PM Reluctance Machine With Enhanced Torque and Efficiency Performance. IEEE Transactions on Industrial Electronics, 2023, 70, 4583-4594.	5.2	3
159	Scalar control of double-stator permanent magnet brushless motor drives. , 2009, , .		2
160	Imbalanced Force in Permanent Magnet Brushless Motors With Magnetic and/or Electric Asymmetries. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	2
161	A Novel Hybrid-Excited Flux Bidirectional Modulated Machine for Electric Vehicle Propulsion. , 2016, , .		2
162	Design optimization and comparative study of novel magnetic-g geared permanent magnet machines. , 2016, , .		2

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