

Shuangxia Niu

List of Publications by Year in Descending Order

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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.

169
papers

2,328
citations

27
h-index

39
g-index

198
ext. papers

2,891
ext. citations

3.6
avg, IF

5.87
L-index

#	Paper	IF	Citations
169	A Novel Slot-PM-assisted Consequent-pole-PM Machine with Hybrid Magnets of Ferrite PMs and Rare earth PMs. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	
168	Predictive Pulse Injection based Dual-Inverter Complementary Sensorless Drive for 12/10 DC Vernier Reluctance Machine. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	1
167	A Hybrid Two-Stage Control Solution for Six-Phase PMSM Motor with Improved Performance. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022 , 1-1	5.6	2
166	A Novel Slot-PM-assisted Hybrid Magnet Memory Machine. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	
165	Blind-Zone-Free Metal Object Detection for Wireless EV Chargers Employing DD coils by Passive Electromagnetic Sensing. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	
164	A General Pattern of Assisted Flux Barriers for Design Optimization of an Asymmetric V-shape Interior Permanent Magnet Machine. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	0
163	High Performance and Strong Fault Tolerant Triple 3-phase PMA-SynRM with Star-delta Windings. <i>IEEE Transactions on Energy Conversion</i> , 2022 , 1-1	5.4	
162	Reconstructing Saliency Effect in 12/10 DC Vernier Reluctance Machine for Position-Sensorless Drive Aerospace Starter Generator Application. <i>IEEE Transactions on Energy Conversion</i> , 2022 , 1-1	5.4	0
161	Demagnetization Fault Detection and Location in PMSM Based on Correlation Coefficient of Branch Current Signals. <i>Energies</i> , 2022 , 15, 2952	3.1	4
160	Novel Steel-Bar Starting Cage Line-Start Permanent Magnet Machine with Spoke Type Insulation Layers. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	0
159	Advances in Thermal Management Technologies of Electrical Machines. <i>Energies</i> , 2022 , 15, 3249	3.1	1
158	Design of a Novel Hybrid-Excited Transverse-Flux Tubular Linear Machine with Complementary Structure. <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1	2	1
157	A Novel Slot-PM Assisted Complementary-Rotor Doubly-Salient Machine with Enhanced Torque Performance. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	3
156	Design and optimisation of a bidirectional flux modulation machine for AC and DC power supplies. <i>IET Renewable Power Generation</i> , 2021 , 15, 1996-2006	2.9	
155	A novel doubly-fed doubly-salient machine with DC-saturation-relieving structure for wind power generation. <i>IET Renewable Power Generation</i> , 2021 , 15, 2042-2051	2.9	1
154	Analysis and Design of a New Relieving-DC-Saturation Transverse-Flux Tubular Motor With Complementary Magnetic Circuit. <i>IEEE Transactions on Magnetics</i> , 2021 , 57, 1-5	2	3
153	Design and analysis of a novel claw-shaped modular stator relieving-DC-saturation doubly salient machine with 3D complementary magnetic circuit. <i>IET Renewable Power Generation</i> , 2021 , 15, 2052-2062	2.9	1

152	A Novel Winding Switching Control Strategy for AC/DC Hybrid-Excited Wind Power Generator. <i>IEEE Transactions on Magnetics</i> , 2021 , 57, 1-4	2	3
151	Multilevel Optimization of a Novel Dual-PM Dual-Electric Port Generator for Hybrid AC/DC System. <i>IEEE Transactions on Magnetics</i> , 2021 , 57, 1-5	2	1
150	Flux-Modulated Relieving-DC-Saturation Hybrid Reluctance Machine With Synthetic Slot-PM Excitation for Electric Vehicle In-Wheel Propulsion. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 6075-6086	8.9	8
149	Robust Model Predictive Control for a Three-Phase PMSM Motor With Improved Control Precision. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 838-849	8.9	24
148	Comparative Study of Novel Dual Stator Machines Having Different Biased PM Configurations. <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1	2	
147	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	
146	Flux-Modulated Permanent Magnet Machines: Challenges and Opportunities. <i>World Electric Vehicle Journal</i> , 2021 , 12, 13	2.5	1
145	Novel DC-Saturation-Relieving Hybrid Reluctance Machine with Skewed Permanent Magnets for Electric Vehicle Propulsion. <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1	2	2
144	Comparative Analysis of Different Permanent Magnet Arrangements in a Novel Flux Modulated Electric Machine. <i>IEEE Access</i> , 2021 , 9, 14437-14445	3.5	3
143	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
142	A new parameter identification method of a dual-rotor flux-modulation machine based on an adaptive differential evolution algorithm. <i>IET Renewable Power Generation</i> , 2021 , 15, 1888-1897	2.9	0
141	Design and optimization of a slot-PM-assisted doubly-salient machine based on saturation assuaging. <i>Chinese Journal of Electrical Engineering</i> , 2021 , 7, 65-72	4	4
140	A Novel Pre-Processing Method for Neural Network-Based Magnetic Field Approximation. <i>IEEE Transactions on Magnetics</i> , 2021 , 57, 1-9	2	2
139	Design and Analysis of a Novel Dual-Airgap Dual Permanent Magnet Vernier Machine. <i>IEEE Access</i> , 2021 , 1-1	3.5	1
138	Slot-PM-Assisted Hybrid Reluctance Generator with Self-Excited DC Source for Stand-Alone Wind Power Generation. <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1	2	1
137	A Novel Winding Switching Control Strategy of a Consequent-pole Ferrite-PM Hybrid-excited Machine for Electric Vehicle Application. <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1	2	0
136	Analysis of Rotor Losses in Permanent Magnet Vernier Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	13
135	Topology Exploration and Analysis of a Novel Winding Factor Modulation Based Hybrid-Excited Biased-Flux Machine. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	1

134	A Novel High-Order-Harmonic Winding Design Method for Vernier Reluctance Machine with DC Coils across Two Stator Teeth. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	4
133	Design and Analysis of a Linear Memory Machine for Ocean Wave Power Generation. <i>Energies</i> , 2020 , 13, 5216	3.1	
132	Power loss analysis and thermal assessment on wireless electric vehicle charging technology: The over-temperature risk of ground assembly needs attention. <i>Applied Energy</i> , 2020 , 275, 115344	10.7	4
131	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	6.8	16
130	Influence of Rotor-Pole Number on Electromagnetic Performance of Novel Double-Rotor Hybrid Excited Axial Switched-Flux Permanent-Magnet Machines for EV/HEV Applications. <i>IEEE Transactions on Magnetics</i> , 2020 , 56, 1-6	2	2
129	An Indirect Reference Vector-Based Model Predictive Control for a Three-Phase PMSM Motor. <i>IEEE Access</i> , 2020 , 8, 29435-29445	3.5	14
128	Design and Optimization of a Dual-Permanent-Magnet Vernier Machine With a Novel Optimization Model. <i>IEEE Transactions on Magnetics</i> , 2020 , 56, 1-5	2	10
127	Design and Optimization of a Novel Dual-PM Machine for Electric Vehicle Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 14391-14400	6.8	11
126	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	8.9	20
125	Sensitivity Analysis and Design Optimization of a New Hybrid-Excited Dual-PM Generator With Relieving-DC-Saturation Structure for Stand-Alone Wind Power Generation. <i>IEEE Transactions on Magnetics</i> , 2020 , 56, 1-5	2	8
124	High-Precision Coordinated Position Control of Integrated Permanent Magnet Synchronous Linear Motor Stations. <i>IEEE Access</i> , 2020 , 8, 126253-126265	3.5	4
123	Robust Design and Optimization for a Permanent Magnet Vernier Machine With Hybrid Stator. <i>IEEE Transactions on Energy Conversion</i> , 2020 , 35, 2086-2094	5.4	6
122	Influence of Rotor Pole Number on Performance of Novel Slot Permanent Magnet Machines with Complementary Rotors 2020 ,		1
121	Comparative Study of Relieving-DC-Saturation Hybrid Excited Vernier Machine With Different Rotor Pole Designs for Wind Power Generation. <i>IEEE Access</i> , 2020 , 8, 198900-198911	3.5	5
120	A New Relieving-DC-Saturation Hybrid Excitation Vernier Machine for HEV Starter Generator Application. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 6342-6353	8.9	24
119	A New Slot-PM Vernier Reluctance Machine With Enhanced Zero-Sequence Current Excitation for Electric Vehicle Propulsion. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 3528-3539	8.9	22
118	Coupled Electromagnetic-Thermal Optimization of a Separate-Stator Modular Machine With Biased Flux. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-5	2	2
117	A Novel Stator Spoke-Type Hybrid Magnet Memory Machine 2019 ,		1

116	A Novel Hybrid-Pole Interior PM Machine with Magnet-Axis-Shifting Effect 2019 ,		12
115	Multi-Objective Optimization of a Direct-Drive Dual-Structure Permanent Magnet Machine. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-4	2	9
114	A Novel Dual-Structure Parallel Hybrid Excitation Machine for Electric Vehicle Propulsion. <i>Energies</i> , 2019 , 12, 338	3.1	4
113	Design of Dual-Electrical-Port DC-Coil-Free Hybrid-Excited Machines. <i>IEEE Transactions on Energy Conversion</i> , 2019 , 34, 1328-1336	5.4	6
112	A Permanent Magnet Linear Motor With Complementary Flux and Its Optimization. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-5	2	3
111	Torque Component Quantification and Design Guideline for Dual Permanent Magnet Vernier Machine. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-5	2	16
110	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	2	14
109	A Novel Vernier Reluctance Machine Excited by Slot PMs and Zero-Sequence Current for Electric Vehicle. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-5	2	6
108	A Novel Dual-Rotor Bidirectional Flux-Modulation PM Generator for Stand-Alone DC Power Supply. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 818-828	8.9	11
107	Development of a Novel Transverse Flux Tubular Linear Machine With Parallel and Complementary PM Magnetic Circuit for Precision Industrial Processing. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 4945-4955	8.9	15
106	Design of a Novel Parallel-Hybrid-Excited Dual-PM Machine Based on Armature Harmonics Diversity for Electric Vehicle Propulsion. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 4209-4219	8.9	32
105	Operation Principle and Torque Component Quantification of Short-Pitched Flux-Bidirectional-Modulation Machine. <i>IEEE Access</i> , 2019 , 7, 136676-136685	3.5	8
104	A Novel Axial-Flux-Complementary Doubly Salient Machine With Boosted PM Utilization for Cost-Effective Direct-Drive Applications. <i>IEEE Access</i> , 2019 , 7, 145970-145977	3.5	6
103	Novel Hybrid-excited Permanent Magnet Machine Based on the Flux Modulation Effect 2019 ,		1
102	Design Optimization of a Pole-Changing Biased Flux Machine Based on Sensitivity Analysis 2019 ,		1
101	Novel Bearing Current Suppression Approach in Doubly-Fed Induction Generators. <i>IEEE Access</i> , 2019 , 7, 171525-171532	3.5	6
100	Design of a Novel Parallel-Hybrid-Excited Vernier Reluctance Machine with Improved Utilization of Redundant Winding Harmonics. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 9056-9067	8.9	30
99	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	2	15

98	Design and Analysis of a New Brushless Electrically Excited Claw-Pole Generator for Hybrid Electric Vehicle. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	11
97	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	7.2	18
96	Sensitivity Analysis and Optimal Design of a Dual Mechanical Port Bidirectional Flux-Modulated Machine. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 211-220	8.9	34
95	A Novel DC-Coil-Free Hybrid-Excited Machine with Consequent-Pole PM Rotor. <i>Energies</i> , 2018 , 11, 700	3.1	4
94	A New Double-Winding Vernier Permanent Magnet Wind Power Generator for Hybrid AC/DC Microgrid Application. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	14
93	Design and Analysis of a Novel Modular Linear Double-Stator Biased Flux Machine. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	7
92	Design of Doubly Complementary Stator-PM Machine With High Magnet Utilization Factor for Low-Cost Applications. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 567-575	5.4	7
91	Design and comparison of electrically excited double rotor flux switching motor drive systems for automotive applications. <i>CES Transactions on Electrical Machines and Systems</i> , 2018 , 2, 191-199	2.3	2
90	A Novel Zero-Sequence-Current-Based Dual-Stator Biased-Flux Machine. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 1934-1942	5.4	2
89	Design and Optimization of a Novel Slot-PM-Assisted Variable Flux Reluctance Generator for Hybrid Electric Vehicles. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 2102-2111	5.4	29
88	Nonlinear predictive control for adaptive adjustments of deep brain stimulation parameters in basal ganglia-thalamic network. <i>Neural Networks</i> , 2018 , 98, 283-295	9.1	12
87	Differential Evolution-Based Multiobjective Optimization of the Electrical Continuously Variable Transmission System. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 2080-2089	8.9	26
86	Comparative Analysis of Bearing Current in Wind Turbine Generators. <i>Energies</i> , 2018 , 11, 1305	3.1	17
85	Topology Exploration and Torque Component Analysis of Double Stator Biased Flux Machines Based on Magnetic Field Modulation Mechanism. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 584-593	5.4	5
84	A Novel Hybrid-Excited Dual-PM Machine With Bidirectional Flux Modulation. <i>IEEE Transactions on Energy Conversion</i> , 2017 , 32, 424-435	5.4	39
83	. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	9
82	Design Optimization and Comparative Study of Novel Magnetic-Geared Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	19
81	Investigation of a New Hybrid Excitation Machine With Auxiliary Winding for Energy Recycling. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-5	2	2

80	Optimal Structure Design of Permanent Magnet Motors Based on a General Pattern of Rotor Topologies. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	5
79	Impacts of inland boundary conditions on modeling seawater intrusion in coastal aquifers due to sea-level rise. <i>Natural Hazards</i> , 2017 , 88, 145-163	3	2
78	Design and Optimization of a New Magnetic-Geared Pole-Changing Hybrid Excitation Machine. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 9943-9952	8.9	45
77	Design of a Novel Consequent-Pole Transverse-Flux Machine With Improved Permanent Magnet Utilization. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-5	2	18
76	A Novel Hybrid Dual-PM Machine Excited by AC With DC Bias for Electric Vehicle Propulsion. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 6908-6919	8.9	48
75	Electrical-Continuously Variable Transmission System Based on Doubly Fed Flux-Bidirectional Modulation. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 2722-2731	8.9	27
74	Design Optimization and Comparative Study of Novel Dual-PM Excited Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 9924-9933	8.9	56
73	Overview of flux-controllable machines: Electrically excited machines, hybrid excited machines and memory machines. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 68, 475-491	16.2	33
72	A Novel Contra-Rotating Power Split Transmission System for Wind Power Generation and Its Dual MPPT Control Strategy. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 6924-6935	7.2	26
71	A novel stator and rotor dual PM flux modulated machine. <i>Chinese Journal of Electrical Engineering</i> , 2017 , 3, 10-15	4	2
70	Design and Optimization of Electric Continuous Variable Transmission System for Wind Power Generation. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	2
69	Design of an Electrical Continuously Variable Transmission Based Wind Energy Conversion System. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6745-6755	8.9	24
68	Design and analysis of novel double stator biased flux machines 2016 ,		7
67	A Novel Structure of Dual-Stator Hybrid Excitation Synchronous Motor. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	7
66	Advanced Design and Operation Consideration for Close-Connected Winding Permanent-Magnet Brushless DC Machine. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-4	1.8	1
65	A Novel Multiphase Brushless Power-Split Transmission System for Wind Power Generation. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-7	2	8
64	The Improvement of the Processes of a Class of Graph-Cut-Based Image Segmentation Algorithms. <i>IEICE Transactions on Information and Systems</i> , 2016 , E99.D, 3053-3059	0.6	1
63	A Comparative Study of Novel Topologies of Magnetic Gears. <i>Energies</i> , 2016 , 9, 773	3.1	3

62	Maximum Power Point Tracking Sensorless Control of an Axial-Flux Permanent Magnet Vernier Wind Power Generator. <i>Energies</i> , 2016 , 9, 581	3.1	15
61	Design and Sensorless Control of a Novel Axial-Flux Permanent Magnet Machine for In-Wheel Applications. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	7
60	A Quantitative Comparison Study of Power-Electronic-Driven Flux-Modulated Machines Using Magnetic Field and Thermal Field Co-Simulation. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 6076-6084	8.9	28
59	Design and analysis of novel magnetic flux-modulated mnemonic machines. <i>IET Electric Power Applications</i> , 2015 , 9, 469-477	1.8	20
58	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	2	19
57	Magnetic Circuit Analysis for a Magnetless Double-Rotor Flux Switching Motor. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-5	2	4
56	Development of a Magnetless Flux Switching Machine for Rooftop Wind Power Generation. <i>IEEE Transactions on Energy Conversion</i> , 2015 , 30, 1703-1711	5.4	38
55	Design and Analysis of a New HTS Double-Stator Doubly Fed Wind Generator. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-4	1.8	8
54	Electromagnetic Design and Analysis of a Novel Fault-Tolerant Flux-Modulated Memory Machine. <i>Energies</i> , 2015 , 8, 8069-8085	3.1	11
53	Electromagnetic Performance Analysis of Novel Flux-Regulatable Permanent Magnet Machines for Wide Constant-Power Speed Range Operation. <i>Energies</i> , 2015 , 8, 13971-13984	3.1	7
52	A Novel Approach to Investigate the Hot-Spot Temperature Rise in Power Transformers. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	12
51	Comparison Between Dual-Permanent-Magnet-Excited Machines With Fewer Stator Poles and Fewer Rotor Poles. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	1
50	Nonlinear Convergence Acceleration of Magnetic Field Computation. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	4
49	Electromagnetic Performance Analysis of Novel HTS Doubly Fed Flux-Modulated Machines. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-4	1.8	2
48	Hysteresis Modeling in Transient Analysis of Electric Motors With AlNiCo Magnets. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	7
47	A scenario of vehicle-to-grid implementation and its double-layer optimal charging strategy for minimizing load variance within regional smart grids. <i>Energy Conversion and Management</i> , 2014 , 78, 508-517	10.6	64
46	A Novel Stator and Rotor Dual PM Vernier Motor With Space Vector Pulse Width Modulation. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 805-808	2	50
45	A New Dual-Stator Bidirectional-Modulated PM Machine and Its Optimization. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	5

44	A feasibility study on a new brushless and gearless contra-rotating permanent magnet wind power generator. <i>Journal of Applied Physics</i> , 2014 , 115, 17E708	2.5	2
43	Development of a Novel Brushless Power Split Transmission System for Wind Power Generation Application. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	8
42	Numerical Analysis and Optimization of Lobe-Type Magnetic Shielding in a 334 MVA Single-Phase Auto-Transformer. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	11
41	Imbalanced Force in Permanent Magnet Brushless Motors With Magnetic and/or Electric Asymmetries. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	0
40	A New Hybrid-Excited Electric Continuous Variable Transmission System. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	6
39	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	2	21
38	A Novel Double-Stator Double-Rotor Brushless Electrical Continuously Variable Transmission System. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3909-3912	2	39
37	Design of a Novel Electrical Continuously Variable Transmission System Based on Harmonic Spectra Analysis of Magnetic Field. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 2161-2164	2	35
36	Power Balanced Electromagnetic Torque Computation in Electric Machines Based on Energy Conservation in Finite-Element Method. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 2385-2388	2	10
35	A Parameterized Mesh Generation and Refinement Method for Finite Element Parameter Sweeping Analysis of Electromagnetic Devices. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 239-242	2	12
34	A Mesh-Insensitive Methodology for Magnetic Force Computation in Finite-Element Analysis. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 287-290	2	7
33	A Power-Balanced Time-Stepping Finite Element Method for Transient Magnetic Field Computation. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 291-294	2	8
32	A Sensitivity Analysis Method for Equivalent Parameter Extraction of Transient Magnetic Field With Internal Circuits. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 295-298	2	3
31	A Convenient Mesh Rotation Method of Finite Element Analysis Using Sub-Matrix Transformation Approach. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 303-306	2	7
30	A Position Detection Strategy for Sensorless Surface Mounted Permanent Magnet Motors at Low Speed Using Transient Finite-Element Analysis. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 1003-1006	2	4
29	. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 1007-1010	2	35
28	. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 351-354	2	6
27	Design and Analysis of Novel Focused Hyperthermia Devices. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 3254-3257	2	10

26	Design Optimization of Magnetic Gears Using Mesh Adjustable Finite-Element Algorithm for Improved Torque. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4156-4159	2	27
25	An Equivalent Parameter Extraction Method of Transient Electric Circuit and Magnetic Field Coupled Problems Based on Sensitivity Computation of System Equations. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 2068-2075	2	7
24	A Parameterized Mesh Technique for Finite Element Magnetic Field Computation and Its Application to Optimal Designs of Electromagnetic Devices. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 2943-2946	2	9
23	A Design Method of Magnetically Resonating Wireless Power Delivery Systems for Bio-Implantable Devices. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3833-3836	2	20
22	Performance Analysis of a Novel Magnetic-Geared Tubular Linear Permanent Magnet Machine. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3598-3601	2	30
21	Hysteresis Effects of Laminated Steel Materials on Detent Torque in Permanent Magnet Motors. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3594-3597	2	14
20	Design and Analysis of a Novel Axial-Flux Electric Machine. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4368-4371	2	24
19	Design and Comparison of Vernier Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3280-3283	2	94
18	Eddy-Current Analysis of Double-Stator Inset-Type Permanent Magnet Brushless Machines. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 1097-1101	1.8	11
17	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	1.8	21
16	Reduction of Numerical Errors of Time-Stepping Finite Element Analysis for Dynamic Simulation of Electric Machines. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 1864-1868	1.8	7
15	A Novel Direct-Drive Dual-Structure Permanent Magnet Machine. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 2036-2039	2	42
14	Quantitative Comparison of Novel Vernier Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 2032-2035	2	112
13	. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 2074-2077	2	36
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