# Wenxiang Zhao

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 212 papers | 4,137 citations | 35 h-index | 56 g-index |
| 240 ext. papers | 5,356 ext. citations | 4.7 avg, IF | 6.14 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 212 | Vibration Reduction Design of Consequent Pole PM Machine by Symmetrizing Local and Global Magnetic Field. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1 | 8.9 | 1 |
| 211 | Modulated Vibration Reduction Design for Integral-Slot Interior Permanent Magnet Synchronous Machines. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1 | 8.9 | 1 |
| 210 | Analysis of Split-Tooth Stator PM Vernier Machines With Zero Sequence Current Excitation. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1 | 8.9 | 1 |
| 209 | Remedy Strategy for Five-Phase FTPMMs Under Single-Phase Short-Circuit Fault by Injecting Harmonic Currents from Third Space. *IEEE Transactions on Power Electronics*, **2022**, 1-1 | 7.2 | 1 |
| 208 | Multi-Objective Optimization of Interior Permanent Magnet Machine for Heavy-Duty Vehicle Direct-Drive Applications. *IEEE Transactions on Energy Conversion*, **2022**, 1-1 | 5.4 | |
| 207 | Self-Adapted Model Predictive Current Control for Five-Phase Open-End Winding PMSM With Reduced Switching Loss. *IEEE Transactions on Power Electronics*, **2022**, 1-1 | 7.2 | 3 |
| 206 | Direct Torque Control for Dual Three-Phase Permanent Magnet Motor With Improved Torque and Flux. *IEEE Transactions on Energy Conversion*, **2022**, 1-1 | 5.4 | 1 |
| 205 | Improved Model Predictive Current Control for Linear Vernier Permanent-Magnet Motor With Efficient Voltage Vectors Selection. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1 | 8.9 | 1 |
| 204 | Duty Ratio Based Direct Torque Control With Enhanced Harmonic Current Suppression for Dual-Three-Phase Permanent Magnet Motor. *IEEE Transactions on Power Electronics*, **2022**, 1-1 | 7.2 | 2 |
| 203 | Remedial Direct Torque Control for Dual Three-Phase Permanent-Magnet Motor With Harmonic Torque Suppression. *IEEE Transactions on Power Electronics*, **2022**, 1-1 | 7.2 | |
| 202 | Design and Analysis of a Magnetic Field Screw Based on 3-D Magnetic Field Modulation Theory. *IEEE Transactions on Energy Conversion*, **2022**, 1-1 | 5.4 | |
| 201 | Simplified Three-Vector-Based Model Predictive Direct Power Control for Dual Three-Phase PMSG. *IEEE Transactions on Energy Conversion*, **2021**, 1-1 | 5.4 | 4 |
| 200 | Meshless Generalized Finite Difference Method to Analyze Electromagnetic Performance of SPM Machines With Eccentric Rotor Shape. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1 | 8.9 | |
| 199 | Airgap Magnetic Field Harmonic Synergetic Optimization Approach for Power Factor Improvement of PM Vernier Machines. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1 | 8.9 | 4 |
| 198 | Induction Motor Broken Rotor Bar Fault Diagnosis Based on Third-Order Energy Operator Demodulated Current Signal. *IEEE Transactions on Energy Conversion*, **2021**, 1-1 | 5.4 | 2 |
| 197 | Position Estimation Error Compensation for Sensorless Control of SPMSM Based on Space Vector Signal Injection. *IEEE Transactions on Energy Conversion*, **2021**, 1-1 | 5.4 | |
| 196 | Online Diagnosis of Slight Interturn Short-Circuit Fault for a Low-Speed Permanent Magnet Synchronous Motor. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 104-113 | 7.6 | 5 |

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|---|---|---|---|
| 195 | Extension of Space Vector Signal Injection MTPA Control for IPMSM Into Deep Flux-Weakening Region **2021**, | | 1 |
| 194 | Effect of Phase Shift Angle on Radial Force and Vibration Behavior in Dual Three-Phase PMSM. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 2988-2998 | 8.9 | 20 |
| 193 | Multi-Objective Optimization Design of a Modular Linear Permanent-Magnet Vernier Machine by Combined Approximation Models and Differential Evolution. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 4634-4645 | 8.9 | 11 |
| 192 | A Generalized Mesh-Based Thermal Network Model for SPM Machines Combining Coupled Winding Solution. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 116-127 | 8.9 | 8 |
| 191 | Design and Manufacture of a Linear Actuator Based on Magnetic Screw Transmission. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 1095-1107 | 8.9 | 5 |
| 190 | Analysis and Evaluation of a Linear Primary Permanent Magnet Vernier Machine With Multiharmonics. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 1982-1993 | 8.9 | 8 |
| 189 | Parametric Equivalent Magnetic Network Modeling Approach for Multiobjective Optimization of PM Machine. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 6619-6629 | 8.9 | 8 |
| 188 | Torque Calculation of Stator Modular PMa-SynRM With Asymmetric Design for Electric Vehicles. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 202-213 | 7.6 | 7 |
| 187 | Torque Performance Improvement of Consequent-Pole PM Motors With Hybrid Rotor Configuration. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 1561-1572 | 7.6 | 2 |
| 186 | Vibration Investigation of Spoke-Type PM Machine With Asymmetric Rotor Considering Modulation Effect of Stator Teeth. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 9092-9103 | 8.9 | 5 |
| 185 | Design and Optimization of a Fault Tolerant Modular Permanent Magnet Assisted Synchronous Reluctance Motor With Torque Ripple Minimization. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 8519-8530 | 8.9 | 6 |
| 184 | Enhanced Fault-Tolerant Model Predictive Current Control for a Five-Phase PM Motor With Continued Modulation. *IEEE Transactions on Power Electronics*, **2021**, 36, 3236-3246 | 7.2 | 19 |
| 183 | A Novel Parallel Hybrid Excitation Field Modulated Machine With Efficient Utilization of Multiworking Harmonics. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1 | 8.9 | 4 |
| 182 | Analysis and Design of a Fault-Tolerant Permanent Magnet Vernier Machine With Improved Power Factor. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1 | 8.9 | 6 |
| 181 | Magneto-Electric Coupling Network Model for Reduction of PM Eddy Current Loss in Flux-Switching Permanent Magnet Machine. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1 | 8.9 | 4 |
| 180 | Three-Vector-Based Model Predictive Current Control With Zero-Sequence Current Suppression for Open-Winding LPMVM Drives. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 225-236 | 6.8 | 8 |
| 179 | Analysis and Reduction of Electromagnetic Vibration in Fractional-Slot Concentrated-Windings PM Machines. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1 | 8.9 | 3 |
| 178 | Performance Comparison of Fault-Tolerant Control for Triple Redundant 3□-Phase Phase Motors Driven by Mono-Inverter. *IEEE Transactions on Transportation Electrification*, **2021**, 1-1 | 7.6 | 1 |

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|---|---|---|---|
| 177 | Quantitative Analysis on Maximum Efficiency Point and Specific High-Efficiency Region of Permanent-Magnet Machines. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1 | 8.9 | 1 |
| 176 | Adjustable Model Predictive Control for IPMSM Drives Based on Online Stator Inductance Identification. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1 | 8.9 | 4 |
| 175 | Modern electric machines and drives for wind power generation: A review of opportunities and challenges. *IET Renewable Power Generation*, **2021**, 15, 1864-1887 | 2.9 | 12 |
| 174 | Deadbeat direct power control for dual three-phase PMSG used in wind turbines. *IET Renewable Power Generation*, **2021**, 15, 1976-1984 | 2.9 | 1 |
| 173 | Comparative study of partitioned stator flux-modulation motors with different permanent magnet arrays. *International Journal of Applied Electromagnetics and Mechanics*, **2021**, 1-19 | 0.4 | 1 |
| 172 | Distribution Design of Modulator for Split-Pole Flux-Modulation Permanent-Magnet Machine. *IEEE Transactions on Energy Conversion*, **2021**, 36, 1614-1624 | 5.4 | 0 |
| 171 | Effects of Eccentric Magnet on High-Frequency Vibroacoustic Performance in Integral-Slot SPM Machines. *IEEE Transactions on Energy Conversion*, **2021**, 36, 2393-2403 | 5.4 | 1 |
| 170 | . *Chinese Journal of Electrical Engineering*, **2021**, 7, 111-123 | 4 | 11 |
| 169 | Investigation of Bread-Loaf Magnet on Vibration Performance in FSCW PMSM Considering Force Modulation Effect. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 1379-1389 | 7.6 | 7 |
| 168 | Multi-objective optimization design of inset-surface permanent magnet machine considering deterministic and robust performances. *Chinese Journal of Electrical Engineering*, **2021**, 7, 73-87 | 4 | 2 |
| 167 | Fault-Tolerant Control of a Triple Redundant PMA-SynRM Driven Under Single-Phase Open-Circuit by Mono-Inverter. *IEEE Transactions on Power Electronics*, **2021**, 36, 11593-11605 | 7.2 | 8 |
| 166 | Robust Predictive Current Control for Fault-Tolerant Operation of Five-Phase PM Motors Based on Online Stator Inductance Identification. *IEEE Transactions on Power Electronics*, **2021**, 36, 13162-13175 | 7.2 | 7 |
| 165 | Model Predictive Torque Control of Five-Phase PMSM by Using Double Virtual Voltage Vectors Based on Geometric Principle. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 2635-2644 | 7.6 | 8 |
| 164 | Investigation Into Multitoothed Distribution Design for Magnetless Doubly Salient Machine. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 2787-2797 | 7.6 | 1 |
| 163 | A Hybrid Analytical Model for Permanent Magnet Vernier Machines Considering Saturation Effect. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1 | 8.9 | 7 |
| 162 | Phase Shift Technique to Improve Torque of Synchronous Reluctance Machines With Dual M-Phase Windings. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1 | 8.9 | 4 |
| 161 | Analysis of Rotor Losses in Permanent Magnet Vernier Machines. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1 | 8.9 | 13 |
| 160 | Effect of Phase Shift on Inductance and Short-Circuit Current in Dual Three-Phase 48-Slot/22-Pole Permanent-Magnet Machines. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1 | 8.9 | 3 |

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|---|---|---|---|
| 159 | Improved Fault-Tolerant Model Predictive Torque Control of Five-Phase PMSM by Using Deadbeat Solution. *IEEE Transactions on Energy Conversion*, **2021**, 1-1 | 5.4 | 9 |
| 158 | Multivector Predictive Current Control for Five-Phase PM Motor by Using Hybrid Duty Modulation Technology. *IEEE Transactions on Transportation Electrification*, **2020**, 6, 1603-1612 | 7.6 | 13 |
| 157 | A Novel Dual-Permanent-Magnet-Excited Machine With Non-Uniformly Distributed Permanent-Magnets and Flux Modulation Poles on the Stator. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 7104-7115 | 6.8 | 16 |
| 156 | Overview of Flux-Modulation Machines Based on Flux-Modulation Principle: Topology, Theory, and Development Prospects. *IEEE Transactions on Transportation Electrification*, **2020**, 6, 612-624 | 7.6 | 19 |
| 155 | Simplified Three-Vector-Based Model Predictive Thrust Force Control With Cascaded Optimization Process for a Double-Side Linear Vernier Permanent Magnet Motor. *IEEE Transactions on Power Electronics*, **2020**, 35, 10681-10689 | 7.2 | 12 |
| 154 | Design and development of a magnetic lead screw propulsion device for general transport system. *IET Electric Power Applications*, **2020**, 14, 492-499 | 1.8 | 0 |
| 153 | Torque Improvement in Dual M-Phase Permanent-Magnet Machines by Phase Shift for Electric Ship Applications. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 9601-9612 | 6.8 | 10 |
| 152 | A new fault-tolerant switched flux machine with hybrid permanent magnets. *CES Transactions on Electrical Machines and Systems*, **2020**, 4, 79-86 | 2.3 | 4 |
| 151 | Design and analysis of a new partitioned stator flux-modulation motor for direct drive applications. *IET Electric Power Applications*, **2020**, 14, 184-191 | 1.8 | 1 |
| 150 | Mechanism Investigation of Ring Type Winding in Linear Permanent Magnet Vernier Machine for Improving Force Density. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 2588-2597 | 6.8 | 0 |
| 149 | Sleeve design of permanent-magnet machine for low rotor losses. *Chinese Journal of Electrical Engineering*, **2020**, 6, 86-96 | 4 | 15 |
| 148 | Fast calculation method of optimal flux-barrier-end position for torque ripple minimisation in SynRMs with and without PMs. *IET Electric Power Applications*, **2020**, 14, 705-715 | 1.8 | 2 |
| 147 | Analysis of PM Eddy Current Loss in Four-Phase Fault-Tolerant Flux-Switching Permanent-Magnet Machines by Air-Gap Magnetic Field Modulation Theory. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 5369-5378 | 8.9 | 12 |
| 146 | Design Considerations of Fault-Tolerant Permanent Magnet Vernier Machine. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 7290-7300 | 8.9 | 22 |
| 145 | A Novel Finite-Control-Set Model Predictive Current Control for Five-Phase PM Motor With Continued Modulation. *IEEE Transactions on Power Electronics*, **2020**, 35, 7261-7270 | 7.2 | 31 |
| 144 | Robust Design and Optimization for a Permanent Magnet Vernier Machine With Hybrid Stator. *IEEE Transactions on Energy Conversion*, **2020**, 35, 2086-2094 | 5.4 | 6 |
| 143 | Torque calculation of five-phase synchronous reluctance motors with shifted-asymmetrical-salient-poles under saturation condition. *CES Transactions on Electrical Machines and Systems*, **2020**, 4, 105-113 | 2.3 | 3 |
| 142 | Design of a New Fault-Tolerant Linear Permanent-Magnet Vernier Machine. *IEEE Journal of Emerging and Selected Topics in Industrial Electronics*, **2020**, 1, 172-181 | 2.6 | 4 |

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| 141 | Multiobjective Optimization of a Double-Side Linear Vernier PM Motor Using Response Surface Method and Differential Evolution. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 80-90 | 8.9 | 50 |
| 140 | Diagnosis and Tolerance of Common Electrical Faults in T-Type Three-Level Inverters Fed Dual Three-Phase PMSM Drives. *IEEE Transactions on Power Electronics*, **2020**, 35, 1753-1769 | 7.2 | 37 |
| 139 | Effects of Magnet Shape on Torque Capability of Surface-Mounted Permanent Magnet Machine for Servo Applications. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 2977-2990 | 8.9 | 14 |
| 138 | Sensorless Control of Linear Vernier Permanent-Magnet Motor Based on Improved Mover Flux Observer. *IEEE Transactions on Power Electronics*, **2020**, 35, 3869-3877 | 7.2 | 7 |
| 137 | Simplified Fault-Tolerant Model Predictive Control for a Five-Phase Permanent-Magnet Motor With Reduced Computation Burden. *IEEE Transactions on Power Electronics*, **2020**, 35, 3850-3858 | 7.2 | 44 |
| 136 | Separation and comparison of average torque in five-phase IPM machines with distributed and fractional slot concentrated windings. *IET Electric Power Applications*, **2019**, 13, 285-293 | 1.8 | 5 |
| 135 | Design Optimization of a Spoke-Type Permanent-Magnet Vernier Machine for Torque Density and Power Factor Improvement. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 3446-3456 | 6.8 | 31 |
| 134 | Influence of Armature Windings Pole Numbers on Performances of Linear Permanent-Magnet Vernier Machines. *IEEE Transactions on Transportation Electrification*, **2019**, 5, 385-394 | 7.6 | 4 |
| 133 | Hybrid Modulation Fault-Tolerant Control of Open-End Windings Linear Vernier Permanent-Magnet Motor With Floating Capacitor Inverter. *IEEE Transactions on Power Electronics*, **2019**, 34, 2563-2572 | 7.2 | 23 |
| 132 | Principle of Torque-Angle Approaching in a Hybrid Rotor Permanent-Magnet Motor. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 2580-2591 | 8.9 | 22 |
| 131 | Improvement of Power Factor in a Double-Side Linear Flux-Modulation Permanent-Magnet Motor for Long Stroke Applications. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 3391-3400 | 8.9 | 14 |
| 130 | A Generalized Equivalent Magnetic Network Modeling Method for Vehicular Dual-Permanent-Magnet Vernier Machines. *IEEE Transactions on Energy Conversion*, **2019**, 34, 1950-1962 | 5.4 | 26 |
| 129 | Dynamic Optimization of Chemical Processes using Symbiotic Organisms Search Algorithm **2019**, | | 1 |
| 128 | Influence of magnet shape on the cogging torque of a surface-mounted permanent magnet motor. *Chinese Journal of Electrical Engineering*, **2019**, 5, 40-50 | 4 | 23 |
| 127 | Fault-Tolerant Predictive Model Control for Five-Phase PM Motor With Optimal Duty Modulation Strategy **2019**, | | 1 |
| 126 | Improved SVPWM Fault-Tolerant Control Strategy for Five-Phase Permanent-Magnet Motor. *Energies*, **2019**, 12, 4626 | 3.1 | 2 |
| 125 | Power factor improvement of permanent-magnet linear vernier motor by using dual-inverter with hybrid discontinuous PWM. *IET Power Electronics*, **2019**, 12, 3438-3446 | 2.2 | 5 |
| 124 | Investigation of Slot–Pole Combination of Dual-Permanent-Magnet-Excited Vernier Machines by Using Air-Gap Field Modulation Theory. *IEEE Transactions on Transportation Electrification*, **2019**, 5, 1360-1369 | 7.6 | 11 |

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| 123 | Torque Calculation of Five-Phase Interior Permanent Magnet Machine Using Improved Analytical Method. *IEEE Transactions on Energy Conversion*, **2019**, 34, 1023-1032 | 5.4 | 29 |
| 122 | Modified Flux Linkage Observer for Sensorless Direct Thrust Force Control of Linear Vernier Permanent Magnet Motor. *IEEE Transactions on Power Electronics*, **2019**, 34, 7800-7811 | 7.2 | 16 |
| 121 | Extension of Virtual-Signal-Injection-Based MTPA Control for Five-Phase IPMSM Into Fault-Tolerant Operation. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 944-955 | 8.9 | 68 |
| 120 | . *IEEE Transactions on Industrial Electronics*, **2018**, 65, 9113-9123 | 8.9 | 18 |
| 119 | Fault-Tolerant Direct Thrust Force Control for a Dual Inverter Fed Open-End Winding Linear Vernier Permanent-Magnet Motor Using Improved SVPWM. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 7458-7467 | 8.9 | 42 |
| 118 | Star and Delta Hybrid Connection of a FSCW PM Machine for Low Space Harmonics. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 9266-9279 | 8.9 | 35 |
| 117 | Torque Ripple Reduction in Five-Phase IPM Motors by Lowering Interactional MMF. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 8520-8531 | 8.9 | 59 |
| 116 | Adaptive Sliding Mode Fault-Tolerant Coordination Control for Four-Wheel Independently Driven Electric Vehicles. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 9090-9100 | 8.9 | 65 |
| 115 | Design and Analysis of a Novel Modular-Stator Tubular Permanent-Magnet Vernier Motor. *IEEE Transactions on Applied Superconductivity*, **2018**, 28, 1-5 | 1.8 | 6 |
| 114 | Nonlinear Equivalent Magnetic Network of a Linear Permanent Magnet Vernier Machine With End Effect Consideration. *IEEE Transactions on Magnetics*, **2018**, 54, 1-9 | 2 | 21 |
| 113 | Third Harmonic Current Injection in Fault-Tolerant Five-Phase Permanent-Magnet Motor Drive. *IEEE Transactions on Power Electronics*, **2018**, 33, 6970-6979 | 7.2 | 47 |
| 112 | Minimization of torque ripple in ferrite-assisted synchronous reluctance motors by using asymmetric stator. *AIP Advances*, **2018**, 8, 056606 | 1.5 | 3 |
| 111 | Design to Reduce Rotor Losses in Fault-Tolerant Permanent-Magnet Machines. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 8476-8487 | 8.9 | 22 |
| 110 | Dynamic Performance Improvement of Five-Phase Permanent-Magnet Motor With Short-Circuit Fault. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 145-155 | 8.9 | 23 |
| 109 | Design Optimization and Test of a Radially Magnetized Magnetic Screw With Discretized PMs. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 7536-7547 | 8.9 | 20 |
| 108 | Overview of permanent-magnet fault-tolerant machines: Topology and design. *CES Transactions on Electrical Machines and Systems*, **2018**, 2, 51-64 | 2.3 | 29 |
| 107 | Permanent Magnet Shape Using Analytical Feedback Function for Torque Improvement. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 4619-4630 | 8.9 | 13 |
| 106 | Field-oriented control and direct torque control for a five-phase fault-tolerant flux-switching permanent-magnet motor. *Chinese Journal of Electrical Engineering*, **2018**, 4, 48-56 | 4 | 11 |

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| 105 | Modeling and analysis of spoke-type permanent magnet vernier machine based on equivalent magnetic network method. *Chinese Journal of Electrical Engineering*, **2018**, 4, 96-103 | 4 | 12 |
| 104 | Sensorless Control of a Linear Permanent-Magnet Motor Based on an Improved Disturbance Observer. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 9291-9300 | 8.9 | 36 |
| 103 | Low-noise design of fault-tolerant flux-switching permanent-magnet machines. *IET Electric Power Applications*, **2018**, 12, 747-756 | 1.8 | 2 |
| 102 | Improvement of Torque Capability of Permanent-Magnet Motor by Using Hybrid Rotor Configuration. *IEEE Transactions on Energy Conversion*, **2017**, 32, 953-962 | 5.4 | 35 |
| 101 | Modular Reluctance Network Simulation of a Linear Permanent-Magnet Vernier Machine Using New Mesh Generation Methods. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 5323-5332 | 8.9 | 27 |
| 100 | A New Mover Separated Linear Magnetic-Field Modulated Motor for Long Stroke Applications. *IEEE Transactions on Magnetics*, **2017**, 53, 1-5 | 2 | 3 |
| 99 | Reduction of Eddy-Current Loss in Flux-Switching Permanent-Magnet Machines Using Rotor Magnetic Flux Barriers. *IEEE Transactions on Magnetics*, **2017**, 53, 1-5 | 2 | 10 |
| 98 | . *IEEE Transactions on Magnetics*, **2017**, 53, 1-4 | 2 | 2 |
| 97 | A Novel MTPA Control Strategy for IPMSM Drives by Space Vector Signal Injection. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 9243-9252 | 8.9 | 40 |
| 96 | A high power factor fault-tolerant vernier permanent-magnet machine. *AIP Advances*, **2017**, 7, 056622 | 1.5 | 4 |
| 95 | Remedial phase-angle control of a five-phase fault-tolerant permanent-magnet vernier machine with short-circuit fault. *CES Transactions on Electrical Machines and Systems*, **2017**, 1, 83-88 | 2.3 | 9 |
| 94 | A new dual stator linear permanent-magnet vernier machine with reduced copper loss. *AIP Advances*, **2017**, 7, 056679 | 1.5 | 2 |
| 93 | Effect of circumferential segmentation of permanent magnets on rotor loss in fractional-slot concentrated-winding machines. *IET Electric Power Applications*, **2017**, 11, 1151-1159 | 1.8 | 16 |
| 92 | A New Modeling Approach for Permanent Magnet Vernier Machine With Modulation Effect Consideration. *IEEE Transactions on Magnetics*, **2017**, 53, 1-12 | 2 | 18 |
| 91 | Reduction of Torque Ripple in Inset Permanent Magnet Synchronous Motor by Magnets Shifting. *IEEE Transactions on Magnetics*, **2017**, 53, 1-13 | 2 | 35 |
| 90 | Vibration prediction in fault-tolerant flux-switching permanent-magnet machine under healthy and faulty conditions. *IET Electric Power Applications*, **2017**, 11, 19-28 | 1.8 | 7 |
| 89 | Asymmetrical SVPWM Fault-Tolerant Control of Five-Phase PM Brushless Motors. *IEEE Transactions on Energy Conversion*, **2017**, 32, 12-22 | 5.4 | 35 |
| 88 | Remedial Field-Oriented Control of Five-Phase Fault-Tolerant Permanent-Magnet Motor by Using Reduced-Order Transformation Matrices. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 169-178 | 8.9 | 75 |

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| 87 | Hybrid Stator Design of Fault-Tolerant Permanent-Magnet Vernier Machines for Direct-Drive Applications. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 179-190 | 8.9 | 60 |
| 86 | Design and analysis of a novel modular six-phase linear permanent-magnet vernier machine **2017**, | | 2 |
| 85 | Analysis of Half Halbach Array Configurations in Linear Permanent-Magnet Vernier Machine. *Journal of Magnetics*, **2017**, 22, 414-422 | 1.9 | 3 |
| 84 | Stator-Excited Vernier High-Temperature Superconducting Machine for Direct Drive Propulsion. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5 | 1.8 | 2 |
| 83 | New direct torque control of five-phase fault-tolerant flux-switching permanent-magnet motor drives **2016**, | | 2 |
| 82 | Analysis of Magnet Material Effects on Performances of Fault-Tolerant PM Vernier Machines. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5 | 1.8 | 3 |
| 81 | Comparison of coaxial magnetic gears with parallel and series magnetic circuits **2016**, | | 2 |
| 80 | Design and Analysis of Five-Phase Fault-Tolerant Interior Permanent-Magnet Vernier Machine. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5 | 1.8 | 9 |
| 79 | Design and Analysis of New Vernier Permanent-Magnet Machine With Improved Torque Capability. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5 | 1.8 | 26 |
| 78 | Design and Analysis of Low-Cost Tubular Fault-Tolerant Interior Permanent-Magnet Motor. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4 | 2 | 10 |
| 77 | High-Performance Fault Tolerant Halbach Permanent Magnet Vernier Machines for Safety-Critical Applications. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4 | 2 | 18 |
| 76 | Design and Analysis of a Linear Permanent- Magnet Vernier Machine With Improved Force Density. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 2072-2082 | 8.9 | 103 |
| 75 | Design of a New Magnetic Screw With Discretized PMs. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5 | 1.8 | 14 |
| 74 | Comparison of Two SVPWM Control Strategies of Five-Phase Fault-Tolerant Permanent-Magnet Motor. *IEEE Transactions on Power Electronics*, **2016**, 31, 6621-6630 | 7.2 | 69 |
| 73 | A Novel Flux Focusing Magnetically Geared Machine with Reduced Eddy Current Loss. *Energies*, **2016**, 9, 904 | 3.1 | 2 |
| 72 | HYBRID EXCITED VERNIER MACHINES WITH ALL EXCITATION SOURCES ON THE STATOR FOR ELECTRIC VEHICLES. *Progress in Electromagnetics Research M*, **2016**, 46, 113-123 | 0.6 | 6 |
| 71 | A New Adaptive Control for Five-Phase Fault-Tolerant Flux-Switching Permanent Magnet Motor. *International Journal of Rotating Machinery*, **2016**, 2016, 1-14 | 1.3 | 0 |
| 70 | New Smith Internal Model Control of Two-Motor Drive System Based on Neural Network Generalized Inverse. *Journal of Control Science and Engineering*, **2016**, 2016, 1-12 | 1.2 | 1 |

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| 69 | Simplified Minimum Copper Loss Remedial Control of a Five-Phase Fault-Tolerant Permanent-Magnet Vernier Machine under Short-Circuit Fault. *Energies*, **2016**, 9, 860 | 3.1 | 4 |
| 68 | Comparison of Excitation Topologies for Fully Stator-HTS Fault-Tolerant Machines. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5 | 1.8 | 0 |
| 67 | Electromagnetic Performance of Double-Stator Flux-Modulation Permanent-Magnet Motor. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5 | 1.8 | 3 |
| 66 | Comparison of Coaxial Magnetic Gears With and Without Magnetic Conducting Ring. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5 | 1.8 | 4 |
| 65 | Magnetic Gear Ratio Effects on Performances of Linear Primary Permanent Magnet Vernier Motor. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5 | 1.8 | 5 |
| 64 | Linear primary permanent magnet vernier machine for wave energy conversion. *IET Electric Power Applications*, **2015**, 9, 203-212 | 1.8 | 35 |
| 63 | Quantitative Comparison of Integral and Fractional Slot Permanent Magnet Vernier Motors. *IEEE Transactions on Energy Conversion*, **2015**, 30, 1483-1495 | 5.4 | 46 |
| 62 | A Novel Linear Permanent-Magnet Vernier Machine With Improved Force Performance. *IEEE Transactions on Magnetics*, **2015**, 51, 1-10 | 2 | 6 |
| 61 | Design and Analysis of a New Linear Wound-Field Flux Reversal Machine Based on Magnetic Gear Effect. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4 | 2 | 10 |
| 60 | A novel double-sided flux-switching permanent magnet linear motor. *Journal of Applied Physics*, **2015**, 117, 17B530 | 2.5 | 9 |
| 59 | Design and Analysis of a Halbach Magnetized Magnetic Screw for Artificial Heart. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4 | 2 | 30 |
| 58 | Design and analysis of open-slot fault-tolerant permanent-magnet motors **2015**, | | 1 |
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