

Wenxiang Zhao

List of Publications by Citations

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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.

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	Overview of Stator-Permanent Magnet Brushless Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 5087-5101	8.9	485
211	Back-EMF Harmonic Analysis and Fault-Tolerant Control of Flux-Switching Permanent-Magnet Machine With Redundancy. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 1926-1935	8.9	139
210	Design and Analysis of a Linear Permanent- Magnet Vernier Machine With Improved Force Density. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 2072-2082	8.9	103
209	Modeling of a Complementary and Modular Linear Flux-Switching Permanent Magnet Motor for Urban Rail Transit Applications. <i>IEEE Transactions on Energy Conversion</i> , 2012 , 27, 489-497	5.4	102
208	Remedial Injected-Harmonic-Current Operation of Redundant Flux-Switching Permanent-Magnet Motor Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 151-159	8.9	95
207	Design and Analysis of a New Fault-Tolerant Permanent-Magnet Vernier Machine for Electric Vehicles. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4176-4179	2	84
206	Torque Ripple Suppression in Flux-Switching PM Motor by Harmonic Current Injection Based on Voltage Space-Vector Modulation. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 1527-1530	2	80
205	Remedial Field-Oriented Control of Five-Phase Fault-Tolerant Permanent-Magnet Motor by Using Reduced-Order Transformation Matrices. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 169-178	8.9	75
204	A Transient Cosimulation Approach to Performance Analysis of Hybrid Excited Doubly Salient Machine Considering Indirect Field-Circuit Coupling. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 2558-2560 ²		71
203	Comparison of Two SVPWM Control Strategies of Five-Phase Fault-Tolerant Permanent-Magnet Motor. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 6621-6630	7.2	69
202	Extension of Virtual-Signal-Injection-Based MTPA Control for Five-Phase IPMSM Into Fault-Tolerant Operation. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 944-955	8.9	68
201	Adaptive Sliding Mode Fault-Tolerant Coordination Control for Four-Wheel Independently Driven Electric Vehicles. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 9090-9100	8.9	65
200	. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3826-3829	2	64
199	Remedial Brushless AC Operation of Fault-Tolerant Doubly Salient Permanent-Magnet Motor Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 2134-2141	8.9	62
198	Analysis of Fault-Tolerant Performance of a Doubly Salient Permanent-Magnet Motor Drive Using Transient Cosimulation Method. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 1739-1748	8.9	61
197	Hybrid Stator Design of Fault-Tolerant Permanent-Magnet Vernier Machines for Direct-Drive Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 179-190	8.9	60
196	Torque Ripple Reduction in Five-Phase IPM Motors by Lowering Interactional MMF. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 8520-8531	8.9	59

195	Internal Model Control of Permanent Magnet Synchronous Motor Using Support Vector Machine Generalized Inverse. <i>IEEE Transactions on Industrial Informatics</i> , 2013 , 9, 890-898	11.9	59
194	A New Fault-Tolerant Permanent-Magnet Machine for Electric Vehicle Applications. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4183-4186	2	53
193	Design and Comparison of Two Fault-Tolerant Interior-Permanent-Magnet Motors. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 6615-6623	8.9	51
192	Comparison of electromagnetic performance of brushless motors having magnets in stator and rotor. <i>Journal of Applied Physics</i> , 2008 , 103, 07F124	2.5	50
191	Multiobjective Optimization of a Double-Side Linear Vernier PM Motor Using Response Surface Method and Differential Evolution. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 80-90	8.9	50
190	Design of Five-Phase Modular Flux-Switching Permanent-Magnet Machines for High Reliability Applications. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3941-3944	2	48
189	Third Harmonic Current Injection in Fault-Tolerant Five-Phase Permanent-Magnet Motor Drive. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 6970-6979	7.2	47
188	Quantitative Comparison of Integral and Fractional Slot Permanent Magnet Vernier Motors. <i>IEEE Transactions on Energy Conversion</i> , 2015 , 30, 1483-1495	5.4	46
187	Stator-Flux-Oriented Fault-Tolerant Control of Flux-Switching Permanent-Magnet Motors. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4191-4194	2	46
186	Simplified Fault-Tolerant Model Predictive Control for a Five-Phase Permanent-Magnet Motor With Reduced Computation Burden. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 3850-3858	7.2	44
185	Fault-Tolerant Direct Thrust Force Control for a Dual Inverter Fed Open-End Winding Linear Vernier Permanent-Magnet Motor Using Improved SVPWM. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 7458-7467	8.9	42
184	A Linear Doubly Salient Permanent-Magnet Motor With Modular and Complementary Structure. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4809-4821	2	41
183	A Novel MTPA Control Strategy for IPMSM Drives by Space Vector Signal Injection. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 9243-9252	8.9	40
182	Minimization of Cogging Force in a Novel Linear Permanent-Magnet Motor for Artificial Hearts. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3901-3904	2	40
181	Diagnosis and Tolerance of Common Electrical Faults in T-Type Three-Level Inverters Fed Dual Three-Phase PMSM Drives. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 1753-1769	7.2	37
180	Nonlinear Adaptive Lumped Parameter Magnetic Circuit Analysis for Spoke-Type Fault-Tolerant Permanent-Magnet Motors. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 5150-5157	2	36
179	Sensorless Control of a Linear Permanent-Magnet Motor Based on an Improved Disturbance Observer. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 9291-9300	8.9	36
178	Improvement of Torque Capability of Permanent-Magnet Motor by Using Hybrid Rotor Configuration. <i>IEEE Transactions on Energy Conversion</i> , 2017 , 32, 953-962	5.4	35

177	Linear primary permanent magnet vernier machine for wave energy conversion. <i>IET Electric Power Applications</i> , 2015 , 9, 203-212	1.8	35
176	Star and Delta Hybrid Connection of a FSCW PM Machine for Low Space Harmonics. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 9266-9279	8.9	35
175	Reduction of Torque Ripple in Inset Permanent Magnet Synchronous Motor by Magnets Shifting. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-13	2	35
174	Asymmetrical SVPWM Fault-Tolerant Control of Five-Phase PM Brushless Motors. <i>IEEE Transactions on Energy Conversion</i> , 2017 , 32, 12-22	5.4	35
173	. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 1493-1504	2	34
172	Design Optimization of a Spoke-Type Permanent-Magnet Vernier Machine for Torque Density and Power Factor Improvement. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 3446-3456	6.8	31
171	Design and Analysis of a New Linear Hybrid Excited Flux Reversal Motor With Inset Permanent Magnets. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	31
170	A Novel Finite-Control-Set Model Predictive Current Control for Five-Phase PM Motor With Continued Modulation. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 7261-7270	7.2	31
169	Design and Analysis of a Halbach Magnetized Magnetic Screw for Artificial Heart. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	30
168	Overview of permanent-magnet fault-tolerant machines: Topology and design. <i>CES Transactions on Electrical Machines and Systems</i> , 2018 , 2, 51-64	2.3	29
167	Torque Calculation of Five-Phase Interior Permanent Magnet Machine Using Improved Analytical Method. <i>IEEE Transactions on Energy Conversion</i> , 2019 , 34, 1023-1032	5.4	29
166	Modular Reluctance Network Simulation of a Linear Permanent-Magnet Vernier Machine Using New Mesh Generation Methods. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5323-5332	8.9	27
165	Design and Analysis of New Vernier Permanent-Magnet Machine With Improved Torque Capability. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	26
164	A Generalized Equivalent Magnetic Network Modeling Method for Vehicular Dual-Permanent-Magnet Vernier Machines. <i>IEEE Transactions on Energy Conversion</i> , 2019 , 34, 1950-1962	5.4	26
163	Dynamic Performance Improvement of Five-Phase Permanent-Magnet Motor With Short-Circuit Fault. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 145-155	8.9	23
162	Hybrid Modulation Fault-Tolerant Control of Open-End Windings Linear Vernier Permanent-Magnet Motor With Floating Capacitor Inverter. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 2563-2572	7.2	23
161	Comparison of Linear Primary Permanent Magnet Vernier Machine and Linear Vernier Hybrid Machine. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	23
160	Influence of magnet shape on the cogging torque of a surface-mounted permanent magnet motor. <i>Chinese Journal of Electrical Engineering</i> , 2019 , 5, 40-50	4	23

159	Design to Reduce Rotor Losses in Fault-Tolerant Permanent-Magnet Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 8476-8487	8.9	22
158	Principle of Torque-Angle Approaching in a Hybrid Rotor Permanent-Magnet Motor. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 2580-2591	8.9	22
157	. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-10	2	22
156	Design Considerations of Fault-Tolerant Permanent Magnet Vernier Machine. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 7290-7300	8.9	22
155	Nonlinear Equivalent Magnetic Network of a Linear Permanent Magnet Vernier Machine With End Effect Consideration. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-9	2	21
154	Design and Analysis of a New Modular Linear Flux-Reversal Permanent-Magnet Motor. <i>IEEE Transactions on Applied Superconductivity</i> , 2014 , 24, 1-5	1.8	21
153	Design Optimization and Test of a Radially Magnetized Magnetic Screw With Discretized PMs. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 7536-7547	8.9	20
152	Integrated Magnetic-Geared Machine With Sandwiched Armature Stator for Low-Speed Large-Torque Applications. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4184-4187	2	20
151	Design and Analysis of a New Fault-Tolerant Linear Permanent-Magnet Motor for Maglev Transportation Applications. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 5200204-5200204	1.8	20
150	Effect of Phase Shift Angle on Radial Force and Vibration Behavior in Dual Three-Phase PMSM. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 2988-2998	8.9	20
149	Overview of Flux-Modulation Machines Based on Flux-Modulation Principle: Topology, Theory, and Development Prospects. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 612-624	7.6	19
148	Enhanced Fault-Tolerant Model Predictive Current Control for a Five-Phase PM Motor With Continued Modulation. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 3236-3246	7.2	19
147	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 9113-9123	8.9	18
146	High-Performance Fault Tolerant Halbach Permanent Magnet Vernier Machines for Safety-Critical Applications. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	18
145	A New Modeling Approach for Permanent Magnet Vernier Machine With Modulation Effect Consideration. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-12	2	18
144	A Linear Stator Permanent Magnet Vernier HTS Machine for Wave Energy Conversion. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 5202505-5202505	1.8	18
143	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
142	Effect of circumferential segmentation of permanent magnets on rotor loss in fractional-slot concentrated-winding machines. <i>IET Electric Power Applications</i> , 2017 , 11, 1151-1159	1.8	16

141	Modified Flux Linkage Observer for Sensorless Direct Thrust Force Control of Linear Vernier Permanent Magnet Motor. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 7800-7811	7.2	16
140	Sleeve design of permanent-magnet machine for low rotor losses. <i>Chinese Journal of Electrical Engineering</i> , 2020 , 6, 86-96	4	15
139	Design of a New Magnetic Screw With Discretized PMs. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	14
138	Improvement of Power Factor in a Double-Side Linear Flux-Modulation Permanent-Magnet Motor for Long Stroke Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 3391-3400	8.9	14
137	Effects of Magnet Shape on Torque Capability of Surface-Mounted Permanent Magnet Machine for Servo Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2977-2990	8.9	14
136	Multivector Predictive Current Control for Five-Phase PM Motor by Using Hybrid Duty Modulation Technology. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 1603-1612	7.6	13
135	New High Force Density Tubular Permanent-Magnet Motor. <i>IEEE Transactions on Applied Superconductivity</i> , 2014 , 24, 1-5	1.8	13
134	Design and analysis of new fault-tolerant permanent magnet motors for four-wheel-driving electric vehicles. <i>Journal of Applied Physics</i> , 2012 , 111, 07E713	2.5	13
133	Permanent Magnet Shape Using Analytical Feedback Function for Torque Improvement. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 4619-4630	8.9	13
132	Analysis of Rotor Losses in Permanent Magnet Vernier Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	13
131	Simplified Three-Vector-Based Model Predictive Thrust Force Control With Cascaded Optimization Process for a Double-Side Linear Vernier Permanent Magnet Motor. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 10681-10689	7.2	12
130	Analysis of New Modular Linear Flux Reversal Permanent Magnet Motors. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	12
129	Analysis of PM Eddy Current Loss in Four-Phase Fault-Tolerant Flux-Switching Permanent-Magnet Machines by Air-Gap Magnetic Field Modulation Theory. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 5369-5378	8.9	12
128	Modern electric machines and drives for wind power generation: A review of opportunities and challenges. <i>IET Renewable Power Generation</i> , 2021 , 15, 1864-1887	2.9	12
127	Modeling and analysis of spoke-type permanent magnet vernier machine based on equivalent magnetic network method. <i>Chinese Journal of Electrical Engineering</i> , 2018 , 4, 96-103	4	12
126	Investigation of Slot/Pole Combination of Dual-Permanent-Magnet-Excited Vernier Machines by Using Air-Gap Field Modulation Theory. <i>IEEE Transactions on Transportation Electrification</i> , 2019 , 5, 1360-1369	7.6	11
125	Multi-Objective Optimization Design of a Modular Linear Permanent-Magnet Vernier Machine by Combined Approximation Models and Differential Evolution. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 4634-4645	8.9	11
124	Field-oriented control and direct torque control for a five-phase fault-tolerant flux-switching permanent-magnet motor. <i>Chinese Journal of Electrical Engineering</i> , 2018 , 4, 48-56	4	11

123	. <i>Chinese Journal of Electrical Engineering</i> , 2021 , 7, 111-123	4	11
122	Reduction of Eddy-Current Loss in Flux-Switching Permanent-Magnet Machines Using Rotor Magnetic Flux Barriers. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-5	2	10
121	Design and Analysis of a New Linear Wound-Field Flux Reversal Machine Based on Magnetic Gear Effect. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	10
120	Torque Improvement in Dual M-Phase Permanent-Magnet Machines by Phase Shift for Electric Ship Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 9601-9612	6.8	10
119	Design and Analysis of Low-Cost Tubular Fault-Tolerant Interior Permanent-Magnet Motor. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	10
118	High reliability linear drive device for artificial hearts. <i>Journal of Applied Physics</i> , 2012 , 111, 07E729	2.5	10
117	A novel double-sided flux-switching permanent magnet linear motor. <i>Journal of Applied Physics</i> , 2015 , 117, 17B530	2.5	9
116	Remedial phase-angle control of a five-phase fault-tolerant permanent-magnet vernier machine with short-circuit fault. <i>CES Transactions on Electrical Machines and Systems</i> , 2017 , 1, 83-88	2.3	9
115	Design and Analysis of Five-Phase Fault-Tolerant Interior Permanent-Magnet Vernier Machine. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	9
114	Design of a spoke-type permanent-magnet motor with optimal winding configuration for electric vehicle applications. <i>Journal of Applied Physics</i> , 2012 , 111, 07E710	2.5	9
113	Neural Network Based Internal Model Decoupling Control of Three-motor Drive System. <i>Electric Power Components and Systems</i> , 2012 , 40, 1621-1638	1	9
112	Improved Fault-Tolerant Model Predictive Torque Control of Five-Phase PMSM by Using Deadbeat Solution. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	9
111	Cost Reduction of a New Fault-Tolerant Halbach Permanent Magnet Machine Using Ferrite Magnet. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	8
110	A hybrid excitation flux-switching permanent magnet linear motor for urban rail transit 2011 ,		8
109	Design and Analysis of a New Hybrid Excited Doubly Salient Machine Capable of Field Control. <i>Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)</i> , 2006 ,		8
108	A Generalized Mesh-Based Thermal Network Model for SPM Machines Combining Coupled Winding Solution. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 116-127	8.9	8
107	Analysis and Evaluation of a Linear Primary Permanent Magnet Vernier Machine With Multiharmonics. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 1982-1993	8.9	8
106	Parametric Equivalent Magnetic Network Modeling Approach for Multiobjective Optimization of PM Machine. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 6619-6629	8.9	8

105	Three-Vector-Based Model Predictive Current Control With Zero-Sequence Current Suppression for Open-Winding LPMVM Drives. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 225-236	6.8	8
104	Fault-Tolerant Control of a Triple Redundant PMA-SynRM Driven Under Single-Phase Open-Circuit by Mono-Inverter. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 11593-11605	7.2	8
103	Model Predictive Torque Control of Five-Phase PMSM by Using Double Virtual Voltage Vectors Based on Geometric Principle. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 2635-2644	7.6	8
102	Vibration prediction in fault-tolerant flux-switching permanent-magnet machine under healthy and faulty conditions. <i>IET Electric Power Applications</i> , 2017 , 11, 19-28	1.8	7
101	A Neural Network Combined Inverse Controller for a Two-Rear-Wheel Independently Driven Electric Vehicle. <i>Energies</i> , 2014 , 7, 4614-4628	3.1	7
100	Sensorless Control of Linear Vernier Permanent-Magnet Motor Based on Improved Mover Flux Observer. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 3869-3877	7.2	7
99	Torque Calculation of Stator Modular PMa-SynRM With Asymmetric Design for Electric Vehicles. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 202-213	7.6	7
98	Investigation of Bread-Loaf Magnet on Vibration Performance in FSCW PMSM Considering Force Modulation Effect. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 1379-1389	7.6	7
97	Robust Predictive Current Control for Fault-Tolerant Operation of Five-Phase PM Motors Based on Online Stator Inductance Identification. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 13162-13175	7.2	7
96	A Hybrid Analytical Model for Permanent Magnet Vernier Machines Considering Saturation Effect. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	7
95	A Novel Linear Permanent-Magnet Vernier Machine With Improved Force Performance. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-10	2	6
94	Design and Analysis of a Novel Modular-Stator Tubular Permanent-Magnet Vernier Motor. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	6
93	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
92	HYBRID EXCITED VERNIER MACHINES WITH ALL EXCITATION SOURCES ON THE STATOR FOR ELECTRIC VEHICLES. <i>Progress in Electromagnetics Research M</i> , 2016 , 46, 113-123	0.6	6
91	Design and Optimization of a Fault Tolerant Modular Permanent Magnet Assisted Synchronous Reluctance Motor With Torque Ripple Minimization. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 8519-8530	8.9	6
90	Analysis and Design of a Fault-Tolerant Permanent Magnet Vernier Machine With Improved Power Factor. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	6
89	Separation and comparison of average torque in five-phase IPM machines with distributed and fractional slot concentrated windings. <i>IET Electric Power Applications</i> , 2019 , 13, 285-293	1.8	5
88	Design and Analysis of Coaxial Magnetic Gears Considering Rotor Losses. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	5

87	A new tubular fault-tolerant permanent-magnet motor for active vehicle suspension 2012 ,		5
86	Online Diagnosis of Slight Interturn Short-Circuit Fault for a Low-Speed Permanent Magnet Synchronous Motor. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 104-113	7.6	5
85	Magnetic Gear Ratio Effects on Performances of Linear Primary Permanent Magnet Vernier Motor. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	5
84	Power factor improvement of permanent-magnet linear vernier motor by using dual-inverter with hybrid discontinuous PWM. <i>IET Power Electronics</i> , 2019 , 12, 3438-3446	2.2	5
83	Design and Manufacture of a Linear Actuator Based on Magnetic Screw Transmission. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 1095-1107	8.9	5
82	Vibration Investigation of Spoke-Type PM Machine With Asymmetric Rotor Considering Modulation Effect of Stator Teeth. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 9092-9103	8.9	5
81	A high power factor fault-tolerant vernier permanent-magnet machine. <i>AIP Advances</i> , 2017 , 7, 056622	1.5	4
80	Influence of Armature Windings Pole Numbers on Performances of Linear Permanent-Magnet Vernier Machines. <i>IEEE Transactions on Transportation Electrification</i> , 2019 , 5, 385-394	7.6	4
79	A new fault-tolerant switched flux machine with hybrid permanent magnets. <i>CES Transactions on Electrical Machines and Systems</i> , 2020 , 4, 79-86	2.3	4
78	Hybrid modeling and applications of virtual metro systems 2010 ,		4
77	A new starting method for 12/8-pole doubly salient permanent-magnet motors without position sensor 2011 ,		4
76	A redundant flux-switching permanent magnet motor drive for fault-tolerant applications 2008 ,		4
75	Simplified Three-Vector-Based Model Predictive Direct Power Control for Dual Three-Phase PMSG. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	4
74	Airgap Magnetic Field Harmonic Synergetic Optimization Approach for Power Factor Improvement of PM Vernier Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	4
73	Design of a New Fault-Tolerant Linear Permanent-Magnet Vernier Machine. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , 2020 , 1, 172-181	2.6	4
72	Simplified Minimum Copper Loss Remedial Control of a Five-Phase Fault-Tolerant Permanent-Magnet Vernier Machine under Short-Circuit Fault. <i>Energies</i> , 2016 , 9, 860	3.1	4
71	Comparison of Coaxial Magnetic Gears With and Without Magnetic Conducting Ring. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	4
70	A Novel Parallel Hybrid Excitation Field Modulated Machine With Efficient Utilization of Multiworking Harmonics. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	4

69	Magneto-Electric Coupling Network Model for Reduction of PM Eddy Current Loss in Flux-Switching Permanent Magnet Machine. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	4
68	Adjustable Model Predictive Control for IPMSM Drives Based on Online Stator Inductance Identification. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	4
67	Phase Shift Technique to Improve Torque of Synchronous Reluctance Machines With Dual M-Phase Windings. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	4
66	A New Mover Separated Linear Magnetic-Field Modulated Motor for Long Stroke Applications. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-5	2	3
65	Minimization of torque ripple in ferrite-assisted synchronous reluctance motors by using asymmetric stator. <i>AIP Advances</i> , 2018 , 8, 056606	1.5	3
64	Analysis of Magnet Material Effects on Performances of Fault-Tolerant PM Vernier Machines. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	3
63	COMPUTATIONAL FLUID DYNAMICS THERMAL PREDICTION OF FAULT-TOLERANT PERMANENT-MAGNET MOTOR USING A SIMPLIFIED EQUIVALENT MODEL. <i>Progress in Electromagnetics Research M</i> , 2015 , 42, 199-209	0.6	3
62	MODELING AND ANALYSIS OF HALBACH MAGNETIZED PERMANENT-MAGNETS MACHINE BY USING LUMPED PARAMETER MAGNETIC CIRCUIT METHOD. <i>Progress in Electromagnetics Research M</i> , 2015 , 41, 177-188	0.6	3
61	Theory and comparison of the linear stator permanent magnet vernier machine 2011 ,		3
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20	Performance Comparison of Fault-Tolerant Control for Triple Redundant 3 Φ -Phase Phase Motors Driven by Mono-Inverter. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 1-1	7.6	1
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12	Direct Torque Control for Dual Three-Phase Permanent Magnet Motor With Improved Torque and Flux. <i>IEEE Transactions on Energy Conversion</i> , 2022 , 1-1	5.4	1
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