Wei Hua

List of Publications by Citations

298 papers	4,680 citations	34 h-index	58 g-index
336 ext. papers	6,031 ext. citations	4.1 avg, IF	6.27 L-index

#	Paper	IF	Citations
298	Overview of Stator-Permanent Magnet Brushless Machines. *IEEE Transactions on Industrial Electronics*, **2011**, 58, 5087-5101	8.9	485
297	Analysis and Optimization of Back EMF Waveform of a Flux-Switching Permanent Magnet Motor. *IEEE Transactions on Energy Conversion*, **2008**, 23, 727-733	5.4	241
296	General Airgap Field Modulation Theory for Electrical Machines. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 6063-6074	8.9	204
295	A Novel Hybrid Excitation Flux-Switching Motor for Hybrid Vehicles. *IEEE Transactions on Magnetics*, **2009**, 45, 4728-4731	2	174
294	Modeling of a Complementary and Modular Linear Flux-Switching Permanent Magnet Motor for Urban Rail Transit Applications. *IEEE Transactions on Energy Conversion*, **2012**, 27, 489-497	5.4	102
293	Flux-Regulation Theories and Principles of Hybrid-Excited Flux-Switching Machines. *IEEE Transactions on Industrial Electronics*, **2015**, 62, 5359-5369	8.9	80
292	Torque Ripple Suppression in Flux-Switching PM Motor by Harmonic Current Injection Based on Voltage Space-Vector Modulation. *IEEE Transactions on Magnetics*, **2010**, 46, 1527-1530	2	80
291	Investigation and General Design Principle of a New Series of Complementary and Modular Linear FSPM Motors. *IEEE Transactions on Industrial Electronics*, **2013**, 60, 5436-5446	8.9	77
290	Design and Analysis of Linear Stator Permanent Magnet Vernier Machines. *IEEE Transactions on Magnetics*, **2011**, 47, 4219-4222	2	72
289	Comparison of Stator-Mounted Permanent-Magnet Machines Based on a General Power Equation. *IEEE Transactions on Energy Conversion*, **2009**, 24, 826-834	5.4	64
288	An outer-rotor flux-switching permanent-magnet-machine with wedge-shaped magnets for in-wheel light traction. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 69-80	8.9	63
287	. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 481-493	8.9	61
286	Lube-Surfing Recording and Its Feasibility Exploration. *IEEE Transactions on Magnetics*, **2009**, 45, 899-904	2	55
285	Comparison of electromagnetic performance of brushless motors having magnets in stator and rotor. *Journal of Applied Physics*, **2008**, 103, 07F124	2.5	50
284	Dynamic Performance Evaluation of a Nine-Phase Flux-Switching Permanent-Magnet Motor Drive With Model Predictive Control. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 4539-4549	8.9	49
283	Comparison of Flux-Switching PM Motors With Different Winding Configurations Using Magnetic Gearing Principle. *IEEE Transactions on Magnetics*, **2016**, 52, 1-8	2	47
282	Investigation of a Five-Phase E-Core Hybrid-Excitation Flux-Switching Machine for EV and HEV Applications. *IEEE Transactions on Industry Applications*, **2017**, 53, 124-133	4.3	47

281	Mathematical Modeling of a 12-Phase Flux-Switching Permanent-Magnet Machine for Wind Power Generation. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 504-516	8.9	46
280	Investigation of an Improved Hybrid-Excitation Flux-Switching Brushless Machine for HEV/EV Applications. *IEEE Transactions on Industry Applications*, **2015**, 51, 3791-3799	4.3	46
279	Stator-Flux-Oriented Fault-Tolerant Control of Flux-Switching Permanent-Magnet Motors. *IEEE Transactions on Magnetics*, **2011**, 47, 4191-4194	2	46
278	Analytical Approach for Cogging Torque Reduction in Flux-Switching Permanent Magnet Machines Based on Magnetomotive Force-Permeance Model. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 1965-1979	8.9	46
277	A Novel Maximum Power Point Tracking Control for Permanent Magnet Direct Drive Wind Energy Conversion Systems. *Energies*, **2012**, 5, 1398-1412	3.1	42
276	A New Magnetic-Planetary-Geared Permanent Magnet Brushless Machine for Hybrid Electric Vehicle. *IEEE Transactions on Magnetics*, **2012**, 48, 4642-4645	2	41
275	Electromagnetic Performance Analysis of Hybrid-Excited Flux-Switching Machines by a Nonlinear Magnetic Network Model. *IEEE Transactions on Magnetics*, **2011**, 47, 3216-3219	2	41
274	A Linear Doubly Salient Permanent-Magnet Motor With Modular and Complementary Structure. *IEEE Transactions on Magnetics*, **2011**, 47, 4809-4821	2	41
273	Analysis of Fault Tolerant Control for a Nine-Phase Flux-Switching Permanent Magnet Machine. *IEEE Transactions on Magnetics*, **2014**, 50, 1-4	2	40
272	Design and Optimization of a Flux-Modulated Permanent Magnet Motor Based on an Airgap-Harmonic-Orientated Design Methodology. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 5337-5348	8.9	39
271	Electromagnetic Performance Analysis of Double-Rotor Stator Permanent Magnet Motor for Hybrid Electric Vehicle. *IEEE Transactions on Magnetics*, **2012**, 48, 4204-4207	2	36
270	Lubricant evolution and depletion under laser heating: a molecular dynamics study. *Soft Matter*, **2012**, 8, 5649	3.6	36
269	Analysis of the Oversaturated Effect in Hybrid Excited Flux-Switching Machines. *IEEE Transactions on Magnetics*, **2011**, 47, 2827-2830	2	36
268	Analysis of the Operation Principle for Rotor-Permanent-Magnet Flux-Switching Machines. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 1062-1073	8.9	36
267	Low-Complexity Multivector-Based Model Predictive Torque Control for PMSM With Voltage Preselection. *IEEE Transactions on Power Electronics*, **2021**, 36, 11726-11738	7.2	36
266	Analysis of Back-EMF in Flux-Reversal Permanent Magnet Machines by Air Gap Field Modulation Theory. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 3344-3355	8.9	34
265	Analysis of Two Novel Five-Phase Hybrid-Excitation Flux-Switching Machines for Electric Vehicles. *IEEE Transactions on Magnetics*, **2014**, 50, 1-5	2	34
264	A Novel Flux-Switching Permanent Magnet Machine With Overlapping Windings. *IEEE Transactions on Energy Conversion*, **2017**, 32, 172-183	5.4	32

263	Model Predictive Thrust Force Control of a Linear Flux-Switching Permanent Magnet Machine With Voltage Vectors Selection and Synthesis. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 4956-4967	8.9	31
262	A generalized heat transfer model for thin film bearings at head-disk interface. *Applied Physics Letters*, **2008**, 92, 043109	3.4	31
261	Model Predictive Current Control of Open-Circuit Fault-Tolerant Five-Phase Flux-Switching Permanent Magnet Motor Drives. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2018**, 6, 1840-1849	5.6	30
260	Interturn Fault Diagnosis for Model-Predictive-Controlled-PMSM Based on Cost Function and Wavelet Transform. *IEEE Transactions on Power Electronics*, **2020**, 35, 6405-6418	7.2	29
259	Static Characteristics of Doubly-salient Brushless Machines Having Magnets in the Stator Considering End-effect. *Electric Power Components and Systems*, **2008**, 36, 754-770	1	28
258	Cost Function-Based Open-Phase Fault Diagnosis for PMSM Drive System With Model Predictive Current Control. *IEEE Transactions on Power Electronics*, **2021**, 36, 2574-2583	7.2	28
257	A Low-Complexity Three-Vector-Based Model Predictive Torque Control for SPMSM. *IEEE Transactions on Power Electronics*, **2021**, 36, 13002-13012	7.2	28
256	Low Flying-Height Slider With High Thermal Actuation Efficiency and Small Flying-Height Modulation Caused by Disk Waviness. *IEEE Transactions on Magnetics*, **2008**, 44, 145-150	2	27
255	Comparative Study of Switched Reluctance Machines With Half-and Full-Teeth-Wound Windings. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 1414-1424	8.9	26
254	Probability Model for the intermolecular force with surface roughness considered. *Tribology International*, **2007**, 40, 1047-1055	4.9	26
253	An Improved Configuration for Cogging Torque Reduction in Flux-Reversal Permanent Magnet Machines. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	25
252	Coupled Magnetic-Thermal Fields Analysis of Water Cooling Flux-Switching Permanent Magnet Motors by an Axially Segmented Model. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	25
251	Finite Element Analysis of Flux-Switching PM Machine Considering Oversaturation and Irreversible Demagnetization. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	25
250	Molecular Dynamics Simulation of Lubricant Redistribution and Transfer at Near-Contact Head-Disk Interface. *Tribology Letters*, **2011**, 43, 89-99	2.8	25
249	Contact-induced off-track vibrations of air bearing-slider-suspension system in hard disk drives. *Tribology Letters*, **2006**, 24, 27-36	2.8	25
248	Sensorless Control Strategy of Electrical Variable Transmission Machines for Wind Energy Conversion Systems. *IEEE Transactions on Magnetics*, **2013**, 49, 3383-3386	2	23
247	Towards fly- and lubricant-contact recording. *Journal of Magnetism and Magnetic Materials*, **2008**, 320, 3183-3188	2.8	23
246	Mixed mode fracture analysis of CCBD specimens based on the extended maximum tangential strain criterion. *Fatigue and Fracture of Engineering Materials and Structures*, **2017**, 40, 2118-2127	3	22

245	Influence of Coil Pitch and Stator-Slot/Rotor-Pole Combination on Back EMF Harmonics in Flux-Reversal Permanent Magnet Machines. *IEEE Transactions on Energy Conversion*, **2018**, 33, 1330-1341	5.4	22
244	Comprehensive Comparison of Rotor Permanent Magnet and Stator Permanent Magnet Flux-Switching Machines. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 5862-5871	8.9	22
243	A Novel Inertia Identification Method and Its Application in PI Controllers of PMSM Drives. *IEEE Access*, **2019**, 7, 13445-13454	3.5	21
242	Multivector-Based Model Predictive Control With Geometric Solution of a Five-Phase Flux-Switching Permanent Magnet Motor. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 10035-10045	8.9	21
241	Model Predictive Torque Control With SVM for Five-Phase PMSM Under Open-Circuit Fault Condition. *IEEE Transactions on Power Electronics*, **2020**, 35, 5531-5540	7.2	21
240	Modular Spoke-Type Permanent-Magnet Machine for In-Wheel Traction Applications. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 7648-7659	8.9	21
239	Accurate model of switched reluctance motor based on indirect measurement method and least square support vector machine. *IET Electric Power Applications*, **2016**, 10, 916-922	1.8	21
238	Rarefied-gas heat transfer in micro- and nanoscale Couette flows. *Physical Review E*, **2010**, 81, 011204	2.4	21
237	Nanoscale roughness contact in a slider-disk interface. *Nanotechnology*, **2009**, 20, 285710	3.4	21
236	Effects of intermolecular forces on deep sub-10 nm spaced sliders. *IEEE Transactions on Magnetics*, **2002**, 38, 2141-2143	2	21
235	Enhanced Model Predictive Torque Control of Fault-Tolerant Five-Phase Permanent Magnet Synchronous Motor With Harmonic Restraint and Voltage Preselection. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 6259-6269	8.9	21
234	Fault-Tolerant Control of Primary Permanent-Magnet Linear Motors With Single Phase Current Sensor for Subway Applications. *IEEE Transactions on Power Electronics*, **2019**, 34, 10546-10556	7.2	20
233	Dynamic Stability Analysis for Surfing Head-Disk Interface. *IEEE Transactions on Magnetics*, **2009**, 45, 4979-4983	2	20
232	A DC-Flux-Injection Method for Fault Diagnosis of High-Resistance Connection in Direct-Torque-Controlled PMSM Drive System. *IEEE Transactions on Power Electronics*, **2020**, 35, 3029-3042	7.2	20
231	Thermal Analysis of Modular-Spoke-Type Permanent-Magnet Machines Based on Thermal Network and FEA Method. *IEEE Transactions on Magnetics*, **2019**, 55, 1-5	2	19
230	A nonlinear dynamics theory for modeling slider air bearing in hard disk drives. *Journal of Applied Physics*, **2000**, 87, 6173-6175	2.5	19
229	Improved model-predictive-flux-control strategy for three-phase four-switch inverter-fed flux-reversal permanent magnet machine drives. *IET Electric Power Applications*, **2017**, 11, 717-728	1.8	18
228	Analysis and evaluation of novel rotor permanent magnet flux-switching machine for EV and HEV applications. *IET Electric Power Applications*, **2017**, 11, 1610-1618	1.8	18

227	Comparison Study of Electromagnetic Performance of Bearingless Flux-Switching Permanent-Magnet Motors. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5	1.8	17
226	A Fault Diagnosis Method for Current Sensors of Primary Permanent-Magnet Linear Motor Drives. *IEEE Transactions on Power Electronics*, **2021**, 36, 2334-2345	7.2	17
225	Cogging torque suppression in flux-reversal permanent magnet machines. *IET Electric Power Applications*, **2018**, 12, 135-143	1.8	16
224	Design and Analysis of Halbach Ironless Flywheel BLDC Motor/Generators. *IEEE Transactions on Magnetics*, **2018**, 54, 1-5	2	16
223	Effects of temperature dependent air properties on the performances of a thermal actuated slider. *Tribology International*, **2009**, 42, 902-910	4.9	16
222	. *IEEE Transactions on Power Electronics*, **2020**, 35, 1365-1376	7.2	16
221	Design Considerations of Novel Modular-Spoke-Type Permanent Magnet Machines. *IEEE Transactions on Industry Applications*, **2018**, 54, 4236-4245	4.3	16
220	Quantitative Evaluation of the Topologies and Electromagnetic Performances of Dual-Three-Phase Flux-Switching Machines. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 9157-9167	8.9	15
219	Further studies of unload process with a 9D model. *IEEE Transactions on Magnetics*, **2001**, 37, 1855-1858	2	15
218	Stator-Slot/Rotor-Pole Pair Combinations of Flux-Reversal Permanent Magnet Machine. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 6799-6810	8.9	15
217	Analysis of Back-EMF Waveform of a Novel Outer-Rotor-Permanent-Magnet Flux-Switching Machine. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	14
216	Contact force studies of a burnishing slider. *Tribology International*, **2008**, 41, 60-66	4.9	14
215	Improved Loss Minimization Control for IPMSM Using Equivalent Conversion Method. *IEEE Transactions on Power Electronics*, **2021**, 36, 1931-1940	7.2	14
214	Principle of Flux-Switching PM Machine by Magnetic Field Modulation Theory Part I: Back-EMF Generation. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	14
213	Influence of Rotor-Pole Number on Electromagnetic Performance in 12-Phase Redundant Switched Flux Permanent Magnet Machines for Wind Power Generation. *IEEE Transactions on Industry Applications*, **2017**, 53, 3305-3316	4.3	13
212	Investigation and Design of a High-Power Flux-Switching Permanent Magnet Machine for Hybrid Electric Vehicles. *IEEE Transactions on Magnetics*, **2015**, 51, 1-5	2	13
211	Cogging torque minimisation in FSPM machines by right-angle-based tooth chamfering technique. *IET Electric Power Applications*, **2018**, 12, 627-634	1.8	13
210	Inert Gas Filled HeadDisk Interface for Future Extremely High Density Magnetic Recording. *Tribology Letters*, **2009**, 33, 179-186	2.8	13

209	Evaporation of Polydisperse Perfluoropolyether Lubricants in Heat-Assisted Magnetic Recording. *Applied Physics Express*, **2011**, 4, 095201	2.4	13
208	Contact recording review. *Microsystem Technologies*, **2010**, 16, 493-503	1.7	13
207	Electromagnetic Performance Comparison Between 12-Phase Switched Flux and Surface-Mounted PM Machines for Direct-Drive Wind Power Generation. *IEEE Transactions on Industry Applications*, **2020**, 56, 1408-1422	4.3	13
206	Integration of Interturn Fault Diagnosis and Torque Ripple Minimization Control for Direct-Torque-Controlled SPMSM Drive System. *IEEE Transactions on Power Electronics*, **2021**, 36, 11124-11134	7.2	13
205	Comparative Study Between a Novel Multi-Tooth and a V-Shaped Flux-Switching Permanent Magnet Machines. *IEEE Transactions on Magnetics*, **2019**, 55, 1-8	2	12
204	Mathematical Model of Radial Suspending Force for a New Stator-Permanent Magnet Bearingless Machine. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	12
203	Direct Monte Carlo simulation of air bearing effects in heat-assisted magnetic recording. *Microsystem Technologies*, **2011**, 17, 903-909	1.7	12
202	A novel implicit algorithm for the simulation of time domain head/disk dynamics in disk files. *IEEE Transactions on Magnetics*, **1997**, 33, 3127-3129	2	12
201	. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 1824-1835	8.9	12
200	Current-Based Open-Circuit Fault Diagnosis for PMSM Drives With Model Predictive Control. *IEEE Transactions on Power Electronics*, **2021**, 36, 10695-10704	7.2	12
199	Investigation on Phase Shift Between Multiple Multiphase Windings in Flux-Switching Permanent Magnet Machines. *IEEE Transactions on Industry Applications*, **2017**, 53, 1958-1970	4.3	11
198	Analysis and Suppression of Induced Voltage Pulsation in DC Winding of Five-Phase Wound-Field Switched Flux Machines. *IEEE Transactions on Energy Conversion*, **2019**, 34, 1890-1905	5.4	11
197	A Comparative Study on Nine- and Twelve-Phase Flux-Switching Permanent-Magnet Wind Power Generators. *IEEE Transactions on Industry Applications*, **2019**, 55, 3607-3616	4.3	11
196	Investigation of a Vector-Controlled Five-Phase Flux-Switching Permanent-Magnet Machine Drive System. *IEEE Transactions on Magnetics*, **2016**, 52, 1-5	2	11
195	Investigation of a Co-Axial Dual-Mechanical Ports Flux-Switching Permanent Magnet Machine for Hybrid Electric Vehicles. *Energies*, **2015**, 8, 14361-14379	3.1	11
194	An improved coaxial magnetic gear using flux focusing **2011**,		11
193	Analysis of Stator Slots and Rotor Pole Pairs Combinations of Rotor-Permanent Magnet Flux-Switching Machines. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 906-918	8.9	11
192	. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 2919-2930	8.9	11

191	Coupled Magnetic Field-Thermal Network Analysis of Modular-Spoke-Type Permanent-Magnet Machine for Electric Motorcycle. *IEEE Transactions on Energy Conversion*, **2021**, 36, 120-130	5.4	11
190	Principle of Flux-Switching PM Machine by Magnetic Field Modulation Theory Part II: Electromagnetic Torque Generation. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	11
189	The Influence of Dummy Slots on Stator Surface-Mounted Permanent Magnet Machines. *IEEE Transactions on Magnetics*, **2017**, 53, 1-5	2	10
188	A Novel Region-Refinement Pulse Width Modulation Method for Torque Ripple Reduction of Brushless DC Motors. *IEEE Access*, **2019**, 7, 5333-5342	3.5	10
187	Analysis and Reduction of Cogging Torque for Flux-Switching Permanent Magnet Machines. *IEEE Transactions on Industry Applications*, **2019**, 55, 5854-5864	4.3	10
186	Effective Turn Fault Mitigation by Creating Zero Sequence Current Path for a Triple Redundant 3 □ 3-Phase PMA SynRM. *IEEE Transactions on Power Electronics*, **2019**, 34, 11080-11089	7.2	10
185	Torque Production Mechanism of Switched Reluctance Machines With Air-Gap Field Modulation Principle. *IEEE Transactions on Energy Conversion*, **2020**, 35, 1617-1627	5.4	10
184	Slider Design Optimization for Lube-Surfing Head-Disk Interface Scheme. *IEEE Transactions on Magnetics*, **2010**, 46, 1922-1924	2	10
183	Performance Improvement of Model Predictive Current Control of Fault-Tolerant Five-Phase Flux-Switching Permanent Magnet Motor Drive. *IEEE Transactions on Industry Applications*, **2019**, 55, 6001-6010	4.3	9
182	Compensation of Current Measurement Offset Error for Permanent Magnet Synchronous Machines. *IEEE Transactions on Power Electronics*, **2020**, 35, 11119-11128	7.2	9
181	Dynamics of Read/Write Head Positioning in Both Flying-Height and Off-Track Directions. *IEEE Transactions on Magnetics*, **2007**, 43, 3796-3801	2	9
180	A study of interface dynamics for stiction-free slider and super-smooth disk. *Journal of Applied Physics*, **2000**, 87, 6149-6151	2.5	9
179	Cogging torque minimization in flux-switching permanent magnet machines by tooth chamfering **2016**,		9
178	Digital Current Control of an Asymmetrical Dual Three-Phase Flux-Switching Permanent Magnet Machine. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 4281-4291	8.9	9
177	Dead-Time Compensation Based on a Modified Multiple Complex Coefficient Filter for Permanent Magnet Synchronous Machine Drives. *IEEE Transactions on Power Electronics*, **2021**, 36, 12979-12989	7.2	9
176	General Power Equation of Switched Reluctance Machines and Power Density Comparison. *IEEE Transactions on Industry Applications*, **2017**, 53, 4298-4307	4.3	8
175	Dual-Level Located Feedforward Control for Five-Leg Two-Mover Permanent-Magnet Linear Motor Traction Systems. *IEEE Transactions on Power Electronics*, **2020**, 35, 13673-13686	7.2	8
174	A Single-Phase On-Board Two-Stage Integrated Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 3793-3804	6.8	8

173	A hybrid excitation flux-switching permanent magnet linear motor for urban rail transit **2011**,		8
172	Direct Monte Carlo Simulations of Air Bearing Characteristics on Patterned Media. *IEEE Transactions on Magnetics*, **2011**, 47, 2660-2663	2	8
171	Thermal protrusion induced air bearing frequency variations. *Microsystem Technologies*, **2011**, 17, 891-896	1.7	8
170	Effect of environment humidity and temperature on stationary and transient flying responses of air bearing slider. *Tribology International*, **2009**, 42, 1125-1131	4.9	8
169	Dual-Vector Located Model Predictive Control With Single DC-Link Current Sensor for Permanent-Magnet Linear Motor Drives. *IEEE Transactions on Power Electronics*, **2021**, 36, 14142-14154	7.2	8
168	Back-EMF waveform optimization of flux-reversal permanent magnet machines. *AIP Advances*, **2017** , 7, 056613	1.5	7
167	. *IEEE Transactions on Energy Conversion*, **2020**, 35, 1289-1300	5.4	7
166	Rediscovery of permanent magnet flux-switching machines applied in EV/HEVs: Summary of new topologies and control strategies. *Chinese Journal of Electrical Engineering*, **2016**, 2, 31-42	4	7
165	A new stator-flux orientation strategy for flux-switching permanent magnet motor based on current-hysteresis control. *Journal of Applied Physics*, **2009**, 105, 07F112	2.5	7
164	A Fast Implicit Algorithm for Time-Dependent Dynamic Simulations of Air Bearing Sliders. *Journal of Tribology*, **2012**, 134,	1.8	7
163	Intermolecular force, surface roughness, and stability of head-disk interface. *Journal of Applied Physics*, **2005**, 97, 10P305	2.5	7
162	Design and analysis of MEMS-based slider suspensions for a high-performance magnetic recording system. *Journal of Micromechanics and Microengineering*, **2000**, 10, 64-71	2	7
161	A Co-Phase Traction Power Supply System Based on Asymmetric Three-Leg Hybrid Power Quality Conditioner. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 14645-14656	6.8	7
160	Comparative Study of Wound-Field Flux-Switching Machines and Switched Reluctance Machines. *IEEE Transactions on Industry Applications*, **2019**, 55, 2581-2591	4.3	7
159	An On-Board Two-Stage Integrated Fast Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 1780-1790	8.9	7
158	Power distribution of a co-axial dual-mechanical-port flux-switching permanent magnet machine for fuel-based extended range electric vehicles. *AIP Advances*, **2017**, 7, 056638	1.5	6
157	Comparative Study on Two Modular Spoke-Type PM Machines for In-Wheel Traction Applications. *IEEE Transactions on Energy Conversion*, **2019**, 34, 2137-2147	5.4	6
156	A Hybrid Dual-Mode Control for Permanent-Magnet Synchronous Motor Drives. *IEEE Access*, **2020**, 8, 105864-105873	3.5	6

155	Investigation of an improved hybrid-excitation flux switching brushless machine for HEV/EV applications **2014**,		6
154	Frequency Analyses of Air Bearing Slider in Near Contact and Contact States. *Tribology Letters*, **2012**, 48, 345-353	2.8	6
153	Nonlinear Dynamics of Thermal Flying Height Control Sliders at Touch-Down. *IEEE Transactions on Magnetics*, **2011**, 47, 1798-1804	2	6
152	Effects of Gas Physical Properties on Flying Performance of Air Bearing Slider. *IEEE Transactions on Magnetics*, **2010**, 46, 1389-1392	2	6
151	Numerical Studies of Heat Transfer in Rarefied Gases at Head-Disk Interface. *Japanese Journal of Applied Physics*, **2009**, 48, 105005	1.4	6
150	An experimental study of dimple separations and head-disk impacts of negative pressure slider in unload process. *IEEE Transactions on Magnetics*, **2001**, 37, 1859-1862	2	6
149	A theoretical model for acoustic emission sensing process in contact/near-contact interfaces of magnetic recording system. *Journal of Applied Physics*, **1999**, 85, 5609-5611	2.5	6
148	A micro-machined dual slider-suspension for near-contact and contact recording. *IEEE Transactions on Magnetics*, **1999**, 35, 2472-2474	2	6
147	An experimental study of slider vibration in nanometer spaced head-disk interface. *IEEE Transactions on Magnetics*, **1999**, 35, 2463-2465	2	6
146	Phase-Shifting Fault-Tolerant Control of Permanent-Magnet Linear Motors with Single Phase Current Sensor. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	6
145	. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	6
144	. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 11719-11730	8.9	6
143	A novel flux-switching permanent magnet machine with v-shaped magnets. *AIP Advances*, **2017**, 7, 056655	1.5	5
142	A novel rotor-permanent magnet flux-switching machine **2015**,		5
141	Design and Analysis of a Hybridly Excited Asymmetric Stator Pole Doubly Salient Machine. *IEEE Transactions on Industry Applications*, **2020**, 56, 2600-2611	4.3	5
140	Design and Optimization of an External Rotor Ironless BLDCM Used in a Flywheel Energy Storage System. *IEEE Transactions on Magnetics*, **2018**, 54, 1-5	2	5
139	Investigation on phase shift between multiple-winding sets in multiphase flux-switching permanent magnet machines **2015**,		5
138	Analysis and Experimental Validation of a Half-Teeth-Wound Switched Reluctance Machine. *IEEE Transactions on Magnetics*, **2014**, 50, 1-5	2	5

137	Design of a twelve-phase flux-switching permanent magnet machine for wind power generation **2014**,		5
136	Fault tolerant control of harmonic injected nine-phase flux switching permanent magnet motor drive system **2014**,		5
135	Energy Analysis on Flying Stability of Sub-5-nm Air Bearing Slider. *IEEE Transactions on Magnetics*, **2009**, 45, 4998-5001	2	5
134	Dynamics of Fly-Contact Head Disk Interface. *IEEE Transactions on Magnetics*, **2008**, 44, 3683-3686	2	5
133	Mechanism studies of the multiple flying states of the air bearing slider. *Tribology International*, **2006**, 39, 649-656	4.9	5
132	Investigations of disk surface roughness on the dynamic performance of proximity recording slider. *Journal of Magnetism and Magnetic Materials*, **2000**, 209, 163-165	2.8	5
131	Phase Model Predictive Voltage Control for Half-Centralized Open-End Winding Permanent-Magnet Linear Motor Traction Systems. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	5
130	A Critical Review of Emerging Technologies for Electric and Hybrid Vehicles. *IEEE Open Journal of Vehicular Technology*, **2021**, 1-1	5.3	5
129	Simplified Model Predictive Current Control of Primary Permanent-Magnet Linear Motor Traction Systems for Subway Applications. *Energies*, **2019**, 12, 4144	3.1	5
128	Analysis of coupling between two sub-machines in co-axis dual-mechanical-port flux-switching PM machine for fuel-based extended range electric vehicles. *IET Electric Power Applications*, **2019**, 13, 48-56	1.8	5
127	Coupled Fault-Tolerant Control of Primary Permanent-Magnet Linear Motor Traction Systems for Subway Applications. *IEEE Transactions on Power Electronics*, **2021**, 36, 3408-3421	7.2	5
126	Fault Operation Analysis of a Triple-Redundant Three-Phase PMA-SynRM for EV Application. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 183-192	7.6	5
125	Design Process of a Triple Redundant Fault Tolerant PMA SynRM. *IEEE Access*, **2019**, 7, 76241-76249	3.5	4
124	Model predictive power control of a brushless doubly fed twin stator induction generator **2017**,		4
123	Direct Monte Carlo simulation of nanoscale mixed gas bearings. *Advances in Mechanical Engineering* , **2015**, 7, 168781401558952	1.2	4
122	A new starting method for 12/8-pole doubly salient permanent-magnet motors without position sensor **2011**,		4
121	Effect of Interfacial Roughness on Slider-Disk Interactions at Near-Contact Regime. *IEEE Transactions on Magnetics*, **2012**, 48, 4459-4462	2	4
120	ABS design for anti-surface borne particles. *IEEE Transactions on Magnetics*, **2001**, 37, 1802-1805	2	4

119	Stable interface concept and design for nano-meter spacing magnetic recording. *Journal of Magnetism and Magnetic Materials*, **2000**, 209, 160-162	2.8	4
118	Disk roughness and its influence on the performance of proximity recording sliders. *IEEE Transactions on Magnetics*, **1999**, 35, 2460-2462	2	4
117	Torque Ripple Suppression of Flux-Switching Permanent Magnet Machine Based on General Air-gap Field Modulation Theory. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	4
116	Concept and Implementation of Embedded Magnetic Encoder in Flux-Switching Permanent-Magnet Machines. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	4
115	The Influence of Winding Location in Flux-Switching Permanent-Magnet Machines. *IEEE Transactions on Magnetics*, **2019**, 55, 1-5	2	4
114	Model Predictive Control with Constant Switching Frequency for Three-Level T-type Inverter Fed PMSM Drives. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	4
113	Design of Hybrid Excited Asymmetric-Stator-Pole Doubly Salient Machine **2018**,		4
112	An Improved Brushless Doubly Fed Generator With Interior PM Rotor for Wind Power Applications. *IEEE Transactions on Magnetics*, **2019**, 55, 1-6	2	3
111	Nine-Phase Flux-Switching Permanent Magnet Brushless Machine for Low-Speed and High-Torque Applications. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	3
110	Nonlinear magnetic network models for flux-switching permanent magnet machines. *Science China Technological Sciences*, **2016**, 59, 494-505	3.5	3
109	An improved model of switched reluctance motors based on least square support vector machine **2013**,		3
108	Non-symmetrical permanent-magnet linear motor traction systems for subway applications **2017**,		3
107	Analysis and optimization of key dimensions of co-axial dual-mechanical-port flux-switching permanent magnet machines for fuel-based extended range electric vehicles. *CES Transactions on Electrical Machines and Systems*, **2017**, 1, 292-299	2.3	3
106	The Influence of Magnetizations on Bipolar Stator Surface-Mounted Permanent Magnet Machines. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	3
105	A modified slip model for gas lubrication at nanoscale head-disk interface. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, **2013**, 227, 1367-1375	1.4	3
104	Numerical Simulations of Accommodation Coefficient Effects at the Head-Disk Interface. *Japanese Journal of Applied Physics*, **2010**, 49, 095206	1.4	3
103	Influences of Surface Topography on the Flying Performances of a Sub-3 nm Air Bearing Slider. *Japanese Journal of Applied Physics*, **2010**, 49, 125202	1.4	3
102	A dual-channel flux-switching permanent magnet motor for hybrid electric vehicles. *Journal of Applied Physics*, **2012**, 111, 07E736	2.5	3

101	Effects of environmental temperature and humidity on thermal flying height adjustment. *Microsystem Technologies*, **2010**, 16, 49-55	1.7	3
100	A dual stage slider suspension design for nanospaced recording. *Journal of Applied Physics*, **1999**, 85, 5621-5623	2.5	3
99	Analysis and Detection of Rotor Eccentricity in Permanent Magnet Synchronous Machines Based on Linear Hall Sensors. *IEEE Transactions on Power Electronics*, **2021**, 1-1	7.2	3
98	A Hybrid Model-Based Diagnosis Approach for Open-Switch Faults in PMSM Drives. *IEEE Transactions on Power Electronics*, **2022**, 37, 3728-3732	7.2	3
97	Fast calculation of carrier harmonic iron losses caused by pulse width modulation in interior permanent magnet synchronous motors. *IET Electric Power Applications*, **2020**, 14, 1163-1176	1.8	3
96	Comparison of stator- and rotor-surface-mounted PM brushless machines. *IET Electric Power Applications*, **2020**, 14, 62-70	1.8	3
95	A Novel Stator Turn Fault Detection Technique by Using Equivalent High Frequency Impedance. *IEEE Access*, **2020**, 8, 130540-130550	3.5	3
94	Compulsory Islanding Transition Strategy Based on Fuzzy Logic Control for a Renewable Microgrid System. *Mathematical Problems in Engineering*, **2021**, 2021, 1-13	1.1	3
93	A Finite-Control-Set-Based Model-Predictive-Flux-Control Strategy with Iterative Learning Control for Torque Ripple Minimization of Flux-Switching Permanent Magnet Machines **2016**,		3
92	A New High-Speed Dual-Stator Flux Switching Permanent Magnet Machine with Distributed Winding. *IEEE Transactions on Magnetics*, **2021**, 1-1	2	3
91	Mathematical Analysis Model of Double-Stator Field Modulation HTS Machine Based on General Airgap Field Modulation Theory. *IEEE Transactions on Energy Conversion*, **2021**, 1-1	5.4	3
90	Electromagnetic Performance Comparison between 12- Phase Switched Flux and Surface-Mounted PM Machines for Direct-Drive Wind Power Generation **2018**,		3
89	An open-circuit fault diagnosis method for PMSM drives using symmetrical and DC components. *Chinese Journal of Electrical Engineering*, **2021**, 7, 124-135	4	3
88	Analysis of DC Winding Induced Voltage in Wound-Field Flux-Switching Machine with Air-Gap Field Modulation Principle. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	3
87	A model predictive current control of flux-switching permanent magnet machines for torque ripple minimization. *AIP Advances*, **2017**, 7, 056609	1.5	2
86	A novel reduced-order load torque observer based discrete-time sliding mode control for PMSM speed servo system **2017**,		2
85	Design and Analysis of a Novel Synthetic Slot Dual-PM Machine. *IEEE Access*, **2019**, 7, 29916-29923	3.5	2
84	Operational shock response of ultrathin hard disk drives. *Microsystem Technologies*, **2015**, 21, 2573-2579	1.7	2

83	Analysis of a skewed-rotor DC-excited flux-switching machine **2015**,		2
82	Back-EMF waveform optimization of flux-switching permanent magnet machines **2016**,		2
81	Dynamics of head-disk interface in hard disk drives during operational shock. *Microsystem Technologies*, **2016**, 22, 1389-1395	1.7	2
80	Influences of Stator Teeth Number on PM Coupling Levels of Co-Axial Dual-Mechanical-Port Flux-Switching PM Machines. *IEEE Transactions on Magnetics*, **2019**, 55, 1-7	2	2
79	Thermal analysis and cooling system design of flux switching permanent magnet machine **2015**,		2
78	The influence of permanent magnet length on electromagnetic performance in flux switching machine **2015**,		2
77	Design and manufacturing considerations of flux-switching permanent magnet motors for mass productions used in EVs and HEVs **2015**,		2
76	Flux-Switching Machines **2015**, 1-15		2
75	Fault tolerant control of triple star-winding flux switching permanent magnet motor drive due to open phase **2015**,		2
74	Investigation of on-loaded performances of hybrid-excitation flux-switching brushless machines for HEV/EV applications **2014**,		2
73	Adsorbed Water Film and Heat Conduction from Disk to Slider in Heat-Assisted Magnetic Recording. *Tribology Letters*, **2014**, 56, 93-99	2.8	2
72	Optimal design of stator interior permanent magnet machine based on finite element analysis. *Journal of Applied Physics*, **2009**, 105, 07F104	2.5	2
71	Slider Posture Effects on Air Bearing in a Heat-Assisted Magnetic Recording System. *Advances in Tribology*, **2012**, 2012, 1-6	1.6	2
70	Slider surface control for ultra-high density recording. *Microsystem Technologies*, **2010**, 16, 301-307	1.7	2
69	Discussion: “Analysis of Stresses Induced by Dynamic Load Head-Disk Contacts” (Fu, Ra-Chang and Bogy, David B., 2000, ASME J. Tribology, 122, No. 1, pp. 233–237). *Journal of Tribology*, **2001**, 123, 655-655	1.8	2
68	Robust Cascaded Deadbeat Predictive Control for Dual Three-Phase Variable-Flux PMSM Considering Intrinsic Delay in Speed Loop. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	2
67	Heater AC Voltage Induced Flying Height Modulations. *Journal of Tribology*, **2014**, 136,	1.8	2
66	Investigation of a 3D-Magnetic Flux PMSM with High Torque Density for Electric Vehicles. *IEEE Transactions on Energy Conversion*, **2021**, 1-1	5.4	2

65	Inductance Characteristics of Flux-Switching Permanent Magnet Machine Based on General Air-gap Filed Modulation Theory. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	2
64	Reduction of Open-Circuit DC Winding Induced Voltage and Torque Pulsation in the Wound Field Switched Flux Machine by Stator Axial Pairing of Tooth-Tips **2020**,		2
63	Fast calculation of eddy current losses caused by pulse-width modulation in magnets of surface-mounted PM machines based on small-signal time-harmonic finite element analysis. *IET Electric Power Applications*, **2020**, 14, 2163-2170	1.8	2
62	Comparison of Methods Using Different Sources for Computing PWM Effects on Permanent Magnet Machines Considering Eddy Current Reaction. *IEEE Transactions on Magnetics*, **2021**, 57, 1-4	2	2
61	Analysis and optimization of back-EMF waveform of a novel outer-rotor-permanent-magnet flux-switching machine **2016**,		2
60	Split ratio design technique of the magnetic-gear dual-rotor motor **2016**,		2
59	Investigation of slider out-of-plane and in-plane vibrations during the track-seeking process. *Microsystem Technologies*, **2016**, 22, 1189-1197	1.7	2
58	. *IEEE Transactions on Energy Conversion*, **2021**, 36, 23-35	5.4	2
57	General Principle of Symmetrical Flux Linkages in Stator-Permanent Magnet Machines. *IEEE Transactions on Magnetics*, **2021**, 57, 1-6	2	2
56	Resonance Network Structuring Method for Zero-Voltage-Transition Transformerless Inverters. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	2
55	Cogging Torque Suppression in Flux-Switching Permanent Magnet Machines by Superposition of Single Rotor Tooth **2018**,		2
54	The Influence of Magnetization on Modular Spoke-Type Permanent-Magnet Machine for In-Wheel Traction Applications. *IEEE Transactions on Magnetics*, **2018**, 54, 1-5	2	2
53	Enhancement of torque density in wound field switched flux machines with partitioned stators using assisted ferrites. *Chinese Journal of Electrical Engineering*, **2021**, 7, 42-51	4	2
52	Fast Current Control Without Computational Delay by Minimizing Update Latency. *IEEE Transactions on Power Electronics*, **2021**, 36, 12207-12212	7.2	2
51	Research on Detent Force Characteristics of a Linear Flux-Switching Permanent-Magnet Motor. *IEEE Transactions on Energy Conversion*, **2021**, 1-1	5.4	2
50	Fault tolerant control for a five-phase flux-switching permanent magnet machine **2015**,		1
49	General power equation of switched reluctance machines and power density comparison **2015**,		1
48	Design and analysis of permanent magnet induction generator for grid-connected direct-driven wind power application **2015**,		1

47	A novel co-axial dual flux-switching permanent magnet machine for hybrid electric vehicles **2015**,		1
46	Influence of rotor-pole number on electromagnetic performance in twelve-phase redundant SFPM machines for wind power generation **2016**,		1
45	An improved nonlinear model of switched reluctance motor with losses **2013**,		1
44	Evaluation of parameter sensitivities for flux-switching permanent magnet machines based on simplified equivalent magnetic circuit. *AIP Advances*, **2017**, 7, 056615	1.5	1
43	Design of novel modular-spoke-type permanent magnet machines **2017**,		1
42	A new 12/11-pole dual three-phase flux-switching permanent magnet machine **2015**,		1
41	Comprehensive comparison of novel stator surface-mounted permanent magnet machines **2012**,		1
40	Flux-regulation capability of hybrid-excited flux-switching machines **2012**,		1
39	Dynamic Studies on Lube-Surfing Recording. *IEEE Transactions on Magnetics*, **2011**, 47, 3578-3581	2	1
38	A Forward Compensation Method to Eliminate DC Phase Error in SRF-PLL. *IEEE Transactions on Power Electronics*, **2022**, 1-1	7.2	1
37	Design of S/P compensated IPT system considering parameter variations in consideration of ZVS achievement **2016**,		1
36	Analytical Prediction of Torque of Switched Reluctance Machines Considering Nonlinear Characteristics. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	1
35	Analysis of Open-Circuit Performances in Flux-Reversal Permanent Magnet Machines by Superposition Methods. *IEEE Transactions on Energy Conversion*, **2021**, 1-1	5.4	1
34	SC Parameters Extraction of SiC-MOSFETs and Application in Advanced Gate Drivers **2018**,		1
33	A Current Sensor-Less Controller for Grid-Connected Inverters **2018**,		1
32	A Novel Detent Force Reduction Method for Primary Permanent Magnet Linear Motor Traction System in Subway Applications **2018**,		1
31	Study on the PWM Ripple Current Based Turn Fault Detection for Interior PM Machine. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 1537-1547	7.6	1
30	Influence of rotor iron bridge position on DC-winding-induced voltage in wound field switched flux machine having partitioned stators. *Chinese Journal of Electrical Engineering*, **2021**, 7, 20-28	4	1

29	The Mechanism Analysis on Open-Circuit Back EMF in Fractional-Slot Concentrated Winding Permanent Magnet Machines Using Air-Gap Field Modulation Theory. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 2658-2670	7.6	1
28	A Voltage Distortion-Based Method for Robust Detection and Location of Inter-turn Fault in Permanent Magnet Synchronous Machine. *IEEE Transactions on Power Electronics*, **2022**, 1-1	7.2	1
27	Collaborative Control for Half-Centralized Open-End Winding Permanent-Magnet Linear Motor Drive Systems. *IEEE Transactions on Power Electronics*, **2022**, 1-1	7.2	1
26	A Highly Reliable Three-Level Neutral-Point-Clamped Inverter with Anti-Shoot-Through Capability. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	1
25	Performance comparison between rotor flux-switching and stator flux-switching machines considering local demagnetization. *AIP Advances*, **2017**, 7, 056641	1.5	0
24	Analysis of magnetic-coupling effect on the performances of 2DoF direct-drive induction motors. *IET Electric Power Applications*, **2018**, 12, 946-952	1.8	0
23	The Role of Slider/Disk Roughness in 1 Tb/in.2 Magnetic Recording. *Tribology Transactions*, **2005**, 48, 51-56	1.8	0
22	Reduction of Open-Circuit DC Winding Induced Voltage and Torque Pulsation in the Wound Field Switched Flux Machine by Stator Axial Pairing of Tooth-Tips. *IEEE Transactions on Industry Applications*, **2022**, 1-1	4.3	0
21	Performance Entitlement by Using Novel High Strength Electrical Steels and Copper Alloys for High-Speed Laminated Rotor Induction Machines. *Electronics (Switzerland)*, **2022**, 11, 210	2.6	0
20	Cooling Analysis of High-Speed Stator-Permanent Magnet Flux-Switching Machines for Fuel-cell Electric Vehicle Compressor. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	0
19	Reference voltage vector based model predictive control for semicontrolled open-winding flux-switching permanent magnet generator system with a novel zero-sequence current suppression strategy. *IET Renewable Power Generation*, **2021**, 15, 477-490	2.9	0
18	Improved Open-Circuit Airgap Field Model for FSCW-STPM Machines Considering PM-MMF Fluctuation. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	0
17	Magnetic Equivalent Circuit and Optimization Method of a Synchronous Reluctance Motor with Concentrated Windings. *Energies*, **2022**, 15, 1735	3.1	0
16	Dynamic magnetic-coupling effect of two-degrees-of-freedom direct drive induction motor. *IEEJ Transactions on Electrical and Electronic Engineering*, **2019**, 14, 1872-1878	1	
15	An inductance Fourier decomposition-based current-hysteresis control strategy for switched reluctance motors. *AIP Advances*, **2017**, 7, 056661	1.5	
14	Flying Height Drop Due to Air Entrapment in Lubricant. *Tribology Letters*, **2013**, 52, 137-145	2.8	
13	Air Bearing Features on Discrete Track Media. *IEEE Transactions on Magnetics*, **2011**, 47, 1813-1816	2	
12	Dynamics of air bearing slider with nano-meter level proximity contact. *Mechanism and Machine Theory*, **2005**, 40, 495-509	4	

11	Development of a generic framework for lumped parameter modeling. *Open Physics*, **2020**, 18, 365-373	1.3
10	Comparative Study of Winding Configuration on a Multi-tooth Flux Switching Permanent Magnet Machine. *IEEE Transactions on Magnetics*, **2021**, 1-1	2
9	Quantitative Analysis of Electromagnetic Forces by Decoupling Air-Gap Field Modulation and Force Modulation in Rotor-Permanent-Magnet Machines. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9
8	Multiple 3-phase PMA-SynRM with Delta Windings for Enhanced Fault Tolerance. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9
7	High Performance and Strong Fault Tolerant Triple 3-phase PMA-SynRM with Star-delta Windings. *IEEE Transactions on Energy Conversion*, **2022**, 1-1	5.4
6	Parameter Sensitivity Analysis and Robust Design Approach for Flux-Switching Permanent Magnet Machines. *Energies*, **2022**, 15, 2194	3.1
5	Design and Key Technology of Oil-Free Centrifugal Air Compressor for Hydrogen Fuel Cell. *CES Transactions on Electrical Machines and Systems*, **2022**, 6, 11-19	2.3
4	Surrogate Models-based Multi-Objective Optimization of High-Speed PM Synchronous Machine: Construction and Comparison. *IEEE Transactions on Transportation Electrification*, **2022**, 1-1	7.6
3	A Unified Inner Current Control Strategy Based on the 2-DOF Theory for a Multifunctional Cascade Converter in an Integrated Microgrid System. *Sustainability*, **2022**, 14, 5074	3.6
2	Four-Vector Phase Model Predictive Voltage Control for Half-Centralized Open-End Winding Permanent-Magnet Linear Motor Systems. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1	6.8
1	Torque Characteristics of SPM-FS Machines with Functional-Contour Salient Pole Rotors Considering Manufacturing Error. *IEEE Transactions on Energy Conversion*, **2022**, 1-1	5.4