

Youguang Guo

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/565743/youguang-guo-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

388
papers

6,408
citations

40
h-index

62
g-index

510
ext. papers

8,376
ext. citations

3
avg, IF

6.66
L-index

#	Paper	IF	Citations
388	Flux Leakage Analytical Calculation in the E-shape Stator of Linear Rotary Motor with Interlaced Permanent Magnet Poles. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	0
387	Fundamental Design and Modelling of the Superconducting Magnet for the High-Speed Maglev: Mechanics, Electromagnetics, and Loss Analysis during Instability. <i>Machines</i> , 2022 , 10, 113	2.9	1
386	Design and analysis of mechanical flux-weakening device of axial flux permanent magnet machines. <i>Journal of Power Electronics</i> , 2022 , 22, 653	0.9	
385	Robust Sliding Mode Control of the Permanent Magnet Synchronous Motor with an Improved Power Reaching Law. <i>Energies</i> , 2022 , 15, 1935	3.1	0
384	Development of Equivalent Circuit Models of Permanent Magnet Synchronous Motors Considering Core Loss. <i>Energies</i> , 2022 , 15, 1995	3.1	2
383	Three-Dimensional Numerical Characterization of High-Temperature Superconductor Bulks Subjected to Rotating Magnetic Fields. <i>Energies</i> , 2022 , 15, 3186	3.1	0
382	Design and Analysis Technologies of High Speed Permanent Magnet Machines 2021 ,		1
381	Numerical Investigation of AC Loss in HTS Bulks Subjected to Rotating Magnetic Fields 2021 ,		1
380	Multiobjective Optimization of a Five-Phase Bearingless Permanent Magnet Motor Considering Winding Area. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 1-10	5.5	7
379	Investigation of a 3D-Magnetic Flux PMSM with High Torque Density for Electric Vehicles. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	2
378	Improved Deadbeat Predictive Current Control of Permanent Magnet Synchronous Motor Using a Novel Stator Current and Disturbance Observer. <i>IEEE Access</i> , 2021 , 9, 142815-142826	3.5	5
377	Sensorless Control with Fault-Tolerant Ability for Switched Reluctance Motors. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	3
376	Corrections to Design Optimization of Linear-Rotary Motion Permanent Magnet Generator With E-Shaped Stator [Nov 21 Art. no. 0600705]. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-1	1.8	0
375	Analytical Modeling and Design of Novel Conical Halbach Permanent Magnet Couplings for Underwater Propulsion. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 290	2.4	1
374	Design and performance analysis of a novel PM assisted synchronous reluctance machine. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2021 , 1-10	0.4	0
373	A novel flux switching claw pole machine with soft magnetic composite cores. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2021 , 1-21	0.4	1
372	An Improved Model Predictive Current Control for PMSM Drives Based on Current Track Circle. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 3782-3793	8.9	66

371	Multi-Objective Design Optimization of an IPMSM Based on Multilevel Strategy. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 139-148	8.9	86
370	Torque Modeling of a Segmented-Rotor SRM Using Maximum-Correntropy-Criterion-Based LSSVR for Torque Calculation of EVs. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 2674-2684	5.6	19
369	Robust Design Optimization of Electrical Machines: Multi-Objective Approach. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 36, 390-401	5.4	11
368	Robust Design Optimization of Electrical Machines: A Comparative Study and Space Reduction Strategy. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 36, 300-313	5.4	7
367	Improved Model Predictive Torque Control for PMSM Drives Based on Duty Cycle Optimization. <i>IEEE Transactions on Magnetics</i> , 2021 , 57, 1-5	2	18
366	Comprehensive Sensitivity and Cross-Factor Variance Analysis-Based Multi-Objective Design Optimization of a 3-DOF Hybrid Magnetic Bearing. <i>IEEE Transactions on Magnetics</i> , 2021 , 57, 1-4	2	17
365	System-Level Robust Design Optimization of a Switched Reluctance Motor Drive System Considering Multiple Driving Cycles. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 36, 348-357	5.4	31
364	Torque Ripple Reduction of SRM Drive Using Improved Direct Torque Control With Sliding Mode Controller and Observer. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 9334-9345	8.9	31
363	Direct Torque Control Based on a Fast Modeling Method for a Segmented-Rotor Switched Reluctance Motor in HEV Application. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 232-241	5.6	44
362	An Improved Deadbeat Predictive Stator Flux Control with Reduced-Order Disturbance Observer for In-Wheel PMSMs. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 1-1	5.5	26
361	Topology, Modeling and Control Scheme for a New Seven-level Inverter with Reduced DC-Link Voltage. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	3
360	Robust Design Optimization of Switched Reluctance Motor Drive Systems Based on System-Level Sequential Taguchi Method. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	11
359	Multiobjective and Multiphysics Design Optimization of a Switched Reluctance Motor for Electric Vehicle Applications. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	11
358	Sliding Mode Direct Torque Control of SPMSMs Based on a Hybrid Wolf Optimization Algorithm. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	16
357	. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 1-1	1.8	4
356	Multimode Optimization of Switched Reluctance Machines in Hybrid Electric Vehicles. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 36, 2217-2226	5.4	14
355	Improvement on Parameter Identification of Modified Jiles-Atherton Model for Iron Loss Calculation. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 542, 168602	2.8	0
354	A Composite Sliding Mode Control for SPMSM Drives Based on a New Hybrid Reaching Law With Disturbance Compensation. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 1427-1436	7.6	28

353	A Robust Deadbeat Predictive Controller With Delay Compensation Based on Composite Sliding-Mode Observer for PMSMs. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 10742-10752	7.2	51
352	Electromagnetic Characteristic Analysis of BFSLRM. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-6	1.8	
351	Iron Loss Calculation for High-Speed Permanent Magnet Machines Considering Rotating Magnetic Field and Thermal Effects. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	0
350	Losses in the Saturated Iron-Core Superconducting Fault Current Limiter For VSC-HVDC System. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	1
349	Design Optimization of Linear-Rotary Motion Permanent Magnet Generator With E-Shaped Stator. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	2
348	A Simplified Model of the Field Dependence for HTS Conductor on Round Core (CORC) Cables. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	2
347	Improved Deadbeat Predictive Current Control to Enhance the Performance of the Drive System of Permanent Magnet Synchronous Motors. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-4	1.8	3
346	Speed Sensorless Model Predictive Current Control Based on Finite Position Set for PMSM Drives. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 2743-2752	7.6	25
345	Optimal Design of Terminal Sliding Mode Controller for Direct Torque Control of SRMs. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 1-1	7.6	8
344	Measurement and Modeling of Rotational Core Loss of Fe Based Amorphous Magnetic Material under 2-D Magnetic Excitation. <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1	2	1
343	Electromagnetic performance analysis of flux-switching permanent magnet tubular machine with hybrid cores. <i>CES Transactions on Electrical Machines and Systems</i> , 2020 , 4, 43-52	2.3	1
342	Robust Design Optimization of Electrical Machines Considering Hybrid Random and Interval Uncertainties. <i>IEEE Transactions on Energy Conversion</i> , 2020 , 35, 1815-1824	5.4	2
341	Topology Optimization of Ferromagnetic Components in Electrical Machines. <i>IEEE Transactions on Energy Conversion</i> , 2020 , 35, 786-798	5.4	4
340	Speed Sensorless Control of SPMSM Drives for EVs With a Binary Search Algorithm-Based Phase-Locked Loop. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 4968-4978	6.8	45
339	Design and performance analysis of a novel synchronous reluctance machine. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2020 , 63, 249-265	0.4	5
338	Detent Force Minimization of a Tubular Flux-Switching Permanent Magnet Motor Using Un-Equal Width Stator Slots Based on Taguchi Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-5	1.8	1
337	A Disturbance Rejection-Based Control Strategy for Five-Level T-Type Hybrid Power Converters With Ripple Voltage Estimation Capability. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 7364-7374	8.9	7
336	Analysis and Optimization of Radial Force of Permanent-Magnet Synchronous Hub Motors. <i>IEEE Transactions on Magnetics</i> , 2020 , 56, 1-4	2	21

335	Application-Oriented System Level Optimization Method for Switched Reluctance Motor Drive Systems 2020 ,			1
334	Advancements and Impediments in Applications of High-Temperature Superconducting Material 2020 ,			3
333	Decoupling Control Analysis of a Flux Reversal Linear Rotary Permanent Magnet Actuator. <i>Journal of Electrical Engineering and Technology</i> , 2020 , 15, 1693-1704	1.4		1
332	High-performance control for a permanent-magnet linear synchronous generator using state feedback control scheme plus grey wolf optimisation. <i>IET Electric Power Applications</i> , 2020 , 14, 771-780	1.8		10
331	Speed Sensorless Control for Permanent Magnet Synchronous Motors Based on Finite Position Set. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 6089-6100	8.9		70
330	Multiobjective System Level Optimization Method for Switched Reluctance Motor Drive Systems Using Finite-Element Model. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 10055-10064	8.9		61
329	Driving-Cycle-Oriented Design Optimization of a Permanent Magnet Hub Motor Drive System for a Four-Wheel-Drive Electric Vehicle. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 1115-1125	7.6		38
328	A review on mitigation technologies of low frequency current ripple injected into fuel cell and a case study. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 25167-25190	6.7		5
327	A generalized inverse Preisach dynamic hysteresis model of Fe-based amorphous magnetic materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 514, 167290	2.8		8
326	A Systematic Review of Reliability Studies of Grid-Connected Renewable Energy Microgrids 2020 ,			3
325	Modelling analysis of periodically arranged high-temperature superconducting tapes. <i>Physica C: Superconductivity and Its Applications</i> , 2020 , 578, 1353747	1.3		5
324	State Feedback Control for a PM Hub Motor Based on Gray Wolf Optimization Algorithm. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 1136-1146	7.2		113
323	. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 3901-3910	8.9		10
322	Real-Time HIL Emulation for a Segmented-Rotor Switched Reluctance Motor Using a New Magnetic Equivalent Circuit. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 3841-3849	7.2		56
321	Development of a High-Performance Axial Flux PM Machine With SMC Cores for Electric Vehicle Application. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-4	2		15
320	Analysis and Design Optimization of a Permanent Magnet Synchronous Motor for a Campus Patrol Electric Vehicle. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 10535-10544	6.8		94
319	Key Parameter Design and Analysis of Flux Reversal Linear Rotary Permanent Magnet Actuator. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8		5
318	A Review of the Monitoring and Damping Unbalanced Magnetic Pull in Induction Machines Due to Rotor Eccentricity. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 2569-2580	4.3		13

317	A New Isolated Multi-Port Converter With Multi-Directional Power Flow Capabilities for Smart Electric Vehicle Charging Stations. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-4	1.8	19
316	Study on Segmented-Rotor Switched Reluctance Motors With Different Rotor Pole Numbers for BSG System of Hybrid Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 5537-5547	6.8	91
315	Reduction of the Detent Force in a Flux-Switching Permanent Magnet Linear Motor. <i>IEEE Transactions on Energy Conversion</i> , 2019 , 34, 1695-1705	5.4	10
314	Modified PI controller with improved steady-state performance and comparison with PR controller on direct matrix converters. <i>Chinese Journal of Electrical Engineering</i> , 2019 , 5, 53-66	4	14
313	Modeling and Operation of a Bearingless Fixed-Pole Rotor Induction Motor. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-4	1.8	5
312	MPTC for PMSMs of EVs With Multi-Motor Driven System Considering Optimal Energy Allocation. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-6	2	69
311	A Least Mean Square Algorithm Based Single-Phase Grid Voltage Parameters Estimation Method 2019 ,		1
310	Closed-loop motion characteristic requirements of receiver aircraft for probe and drogue aerial refueling. <i>Aerospace Science and Technology</i> , 2019 , 93, 105293	4.9	11
309	Superconducting Linear Machines for Electrical Power Generation from the Oceanic Wave 2019 , 281-302		
308	Reduction of Magnet Eddy Current Loss in PMSM by Using Partial Magnet Segment Method. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-5	2	13
307	A State Feedback Controller for PMSMs Based on Penalty Term Augmented Seeker Optimization Algorithm 2019 ,		1
306	Comparative Study of Axial Flux Vernier Machine with SMC Cores for Electric Vehicle Application 2019 ,		2
305	Comprehensive influences measurement and analysis of power converter low frequency current ripple on PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 31352-31359	6.7	9
304	Model Predictive Control without Weighting Factors for T-type Multilevel Inverters with Magnetic-Link and Series Stacked AC-DC Modules 2019 ,		1
303	An Amorphous Alloy Magnetic-Bus-Based SiC NPC Converter With Inherent Voltage Balancing for Grid-Connected Renewable Energy Systems. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-8	1.8	6
302	A Modified Carrier-Based Advanced Modulation Technique for Improved Switching Performance of Magnetic-Linked Medium-Voltage Converters. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 2088-2098	4.3	6
301	. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	60
300	Robust Design Optimization of a High-Temperature Superconducting Linear Synchronous Motor Based on Taguchi Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-6	1.8	17

299	State-of-the-Art Technologies for Development of High Frequency Transformers with Advanced Magnetic Materials. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-11	1.8	11
298	Calculation of Eddy Current Loss in a Tubular Oscillatory LPMSM Using Computationally Efficient FEA. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 6200-6209	8.9	8
297	Model Predictive Observer Based Control for Single-Phase Asymmetrical T-Type AC/DC Power Converter. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 2033-2044	4.3	13
296	Comparative Study of Linear Superconductivity Machine With Different Stator and Winding Configurations. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-4	1.8	
295	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 1728-1739	8.9	43
294	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 1846-1854	8.9	33
293	Design Optimization of a Permanent Magnet Claw Pole Motor With Soft Magnetic Composite Cores. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-4	2	8
292	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 7600-7608	8.9	19
291	Analysis and Minimization of Detent End Force in Linear Permanent Magnet Synchronous Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 2475-2486	8.9	39
290	Robust Tolerance Design Optimization of a PM Claw Pole Motor With Soft Magnetic Composite Cores. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-4	2	25
289	Decoupling Controller Design and Controllable Regions Analysis for the Space Vector Modulated Matrix Converter-Unified Power Flow Controller in Transmission Systems. <i>Electric Power Components and Systems</i> , 2018 , 46, 1-14	1	11
288	A Robust Design Optimization Method for Electromagnetic Devices With Interval Uncertainties. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-4	2	8
287	A Hybrid Feedforward-Feedback Hysteresis Compensator in Piezoelectric Actuators Based on Least-Squares Support Vector Machine. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 5704-5711	8.9	40
286	Oceanic Wave Energy Conversion by a Novel Permanent Magnet Linear Generator Capable of Preventing Demagnetization. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 6005-6014	4.3	20
285	Predicting the behavior of induction machine using motor-CAD and MATLAB packages 2018 ,		2
284	Performance Analysis of Suspension Force and Torque in an IBPMSM With V-Shaped PMs for Flywheel Batteries. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-4	2	83
283	Robust multiobjective and multidisciplinary design optimization of electrical drive systems. <i>CES Transactions on Electrical Machines and Systems</i> , 2018 , 2, 409-416	2.3	8
282	Optimization of a Five-Phase E-core Bearingless Flux-Switching Permanent Magnet Motor for Flywheel Batteries 2018 ,		1

281	Development of a new flux switching transverse flux machine with the ability of linear motion. <i>CES Transactions on Electrical Machines and Systems</i> , 2018 , 2, 384-391	2.3	8
280	Fuzzy Adaptive PI Decoupling Control for Gas Supply System of Proton Exchange Membrane Fuel Cell 2018 ,		3
279	Design Issues for Claw Pole Machines with Soft Magnetic Composite Cores. <i>Energies</i> , 2018 , 11, 1998	3.1	8
278	An Equivalent Circuit Model for Predicting the Core Loss in a Claw-Pole Permanent Magnet Motor With Soft Magnetic Composite Core. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-6	2	7
277	Robust Design of a Low-Cost Permanent Magnet Motor with Soft Magnetic Composite Cores Considering the Manufacturing Process and Tolerances. <i>Energies</i> , 2018 , 11, 2025	3.1	9
276	Comparative Study of Small Electrical Machines With Soft Magnetic Composite Cores. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 1049-1060	8.9	48
275	Modular Medium-Voltage Grid-Connected Converter With Improved Switching Techniques for Solar Photovoltaic Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 8887-8896	8.9	70
274	Analytical Modeling of Manufacturing Imperfections in Double-Rotor Axial Flux PM Machines: Effects on Back EMF. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-5	2	15
273	Study of Direct Coupling in Stator Dual Windings of a Brushless Doubly Fed Machine. <i>IEEE Transactions on Energy Conversion</i> , 2017 , 32, 974-982	5.4	10
272	. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 2066-2076	4.3	12
271	Performance analysis of a new radial-axial flux machine with SMC cores and ferrite magnets. <i>AIP Advances</i> , 2017 , 7, 056603	1.5	0
270	Suggestion for aircraft flying qualities requirements of a short-range air combat mission. <i>Chinese Journal of Aeronautics</i> , 2017 , 30, 881-897	3.7	12
269	Analytical modeling of axial flux PM machines with eccentricities. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2017 , 53, 757-777	0.4	5
268	Investigation and Simulation on Magnetic Hysteresis Properties of Magnetorheological Fluid. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 1611-1616	8.9	3
267	Comparison of Limiting Loop Model and Elemental Operator Model for Magnetic Hysteresis of Ferromagnetic Materials. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	2
266	Design and analysis of a 3D-flux flux-switching permanent magnet machine with SMC cores and ferrite magnets. <i>AIP Advances</i> , 2017 , 7, 056632	1.5	0
265	Design and Analysis of a Novel Lightweight Translator Permanent Magnet Linear Generator for Oceanic Wave Energy Conversion. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	25
264	Development of a New Low-Cost 3-D Flux Transverse Flux FSPMM With Soft Magnetic Composite Cores and Ferrite Magnets. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-5	2	15

263	A Novel Diode-Clamped Modular Multilevel Converter With Simplified Capacitor Voltage-Balancing Control. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 8843-8854	8.9	33
262	Detent Force Reduction of an Arc-Linear Permanent-Magnet Synchronous Motor by Using Compensation Windings. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 3001-3011	8.9	43
261	No-Load Magnetic Field and Cogging Force Calculation in Linear Permanent-Magnet Synchronous Machines With Semiclosed Slots. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5564-5575	8.9	27
260	Magnetic properties measurement of soft magnetic composite material (SOMALOY 700) by using 3-D tester 2017 ,		2
259	Comparison of torque characteristics for a novel segmented and a conventional switched reluctance motors 2017 ,		1
258	Solar Photovoltaic Power Plants. <i>International Journal of Photoenergy</i> , 2017 , 2017, 1-2	2.1	
257	Model predictive direct torque control of permanent magnet synchronous motors with extended set of voltage space vectors. <i>IET Electric Power Applications</i> , 2017 , 11, 1376-1382	1.8	36
256	An adaptive weighted least square support vector regression for hysteresis in piezoelectric actuators. <i>Sensors and Actuators A: Physical</i> , 2017 , 263, 423-429	3.9	11
255	Direct torque control with a modified switching table for a direct matrix converter based AC motor drive system 2017 ,		3
254	Extended state observer-based vector control for PMSM drive system with single phase current sensor 2017 ,		2
253	Modeling and Measurement of Magnetic Hysteresis of Soft Magnetic Composite Materials Under Different Magnetizations. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 2459-2467	8.9	15
252	Fabrication and Experimental Analysis of an Axially Laminated Flux-Switching Permanent-Magnet Machine. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 1081-1091	8.9	13
251	Analysis of rectangular EV inductive charging coupler 2017 ,		1
250	Modified carrier-based over-modulation technique for improved switching performance of multilevel converters 2017 ,		2
249	Manufacturing processes of soft magnetic composite cores for permanent magnet machines 2017 ,		1
248	A robust design optimization method for manufacturing SMC-PMSMs and drive systems of six sigma quality 2017 ,		2
247	Design of high speed permanent magnet generator for solar co-generation system using motor-CAD 2017 ,		1
246	Parameter matching and structure optimal design of a brushless DC motor for a battery electric vehicle 2017 ,		1

245	Vector control for a bearingless induction motor based on nonsingular terminal sliding mode structure 2017 ,		2
244	A novel method to avoid degradation due to demagnetization of PM linear generators for oceanic wave energy extraction 2017 ,		3
243	Finite-control-set model predictive direct torque control of PMSMs with virtual space vectors 2017 ,		2
242	Input current ripple reduction and high efficiency for PEM fuel cell power conditioning system 2017 ,		1
241	Model predictive control applied to a single phase seven-level active rectifier 2017 ,		1
240	Monitoring and damping unbalanced magnetic pull due to eccentricity fault in induction machines: A review 2017 ,		6
239	Techniques for Reduction of the Cogging Torque in Claw Pole Machines with SMC Cores. <i>Energies</i> , 2017 , 10, 1541	3.1	11
238	A Review of Design Optimization Methods for Electrical Machines. <i>Energies</i> , 2017 , 10, 1962	3.1	87
237	Suspension Force Modeling for a Bearingless Permanent Magnet Synchronous Motor Using Maxwell Stress Tensor Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	26
236	Thermal Analysis of the Conical Rotor Motor Using LPTN With Accurate Heat Transfer Coefficients. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-7	1.8	9
235	Magnetic Field and Force Calculation in Linear Permanent-Magnet Synchronous Machines Accounting for Longitudinal End Effect. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 7632-7643	8.9	39
234	Extended Finite-Element Method for Weak Discontinuities in Electric Fields. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	5
233	Unconventional roll axis response-type Nonlinear Dynamic Inversion flight control law design 2016 ,		2
232	A Novel Superconducting Magnet Excited Linear Generator for Wave Energy Conversion System. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	31
231	Inductive Charging Coupler With Assistive Coils. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	3
230	Calculation of Capacitance in High-Frequency Transformer Windings. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	26
229	Design Considerations of PM Transverse Flux Machines With Soft Magnetic Composite Cores. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	13
228	Design Fundamentals of Electrical Machines and Drive Systems. <i>Power Systems</i> , 2016 , 25-72	0.4	

227	Optimization Methods. <i>Power Systems</i> , 2016 , 73-106	0.4	4
226	Design Optimization Methods for Electrical Machines. <i>Power Systems</i> , 2016 , 107-159	0.4	2
225	Design Optimization for High Quality Mass Production. <i>Power Systems</i> , 2016 , 183-213	0.4	
224	Application-Oriented Design Optimization Methods for Electrical Machines. <i>Power Systems</i> , 2016 , 215-234	0.4	34
223	Multidisciplinary Design Optimization Methods for Electrical Machines and Drive Systems. <i>Power Systems</i> , 2016 ,	0.4	36
222	Robust Multidisciplinary Design Optimization of PM Machines With Soft Magnetic Composite Cores for Batch Production. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	22
221	A high efficiency transformerless PV grid-connected inverter with leakage current suppression 2016 ,		4
220	2016 ,		3
219	Maximizing investment value of small-scale PV in a smart grid environment 2016 ,		4
218	Calculation of core loss and copper loss in amorphous/nanocrystalline core-based high-frequency transformer. <i>AIP Advances</i> , 2016 , 6, 055927	1.5	11
217	Cogging Torque Minimization of SMC PM Transverse Flux Machines Using Shifted and Unequal-Width Stator Teeth. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-4	1.8	18
216	Multilevel converter with capacitor voltage actively balanced using reduced number of voltage sensors for high power applications. <i>IET Power Electronics</i> , 2016 , 9, 1462-1473	2.2	6
215	A Stress-Dependent Magnetic Hysteresis Model for Soft Magnetic Composite Materials. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	1
214	Multilevel Robust Design Optimization of a Superconducting Magnetic Energy Storage Based on a Benchmark Study. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	10
213	System-Level Design Optimization Method for Electrical Drive SystemsRobust Approach. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 4702-4713	8.9	138
212	Development of a low-cost double rotor axial flux motor with soft magnetic composite and ferrite permanent magnet materials. <i>Journal of Applied Physics</i> , 2015 , 117, 17B507	2.5	10
211	Design and analysis of an outer rotor flux switching permanent magnet machine for electric vehicle 2015 ,		2
210	Comparison of Claw-Pole Machines With Different Rotor Structures. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	11

209	. <i>IEEE Transactions on Energy Conversion</i> , 2015 , 30, 1574-1584	5.4	117
208	The Harmonic Suppression Characteristic Analysis of a Phase-Shifting Reactor in Rectifier System. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	3
207	Performance comparison of input current ripple reduction methods in UPS applications with hybrid PEM fuel cell/supercapacitor power sources. <i>International Journal of Electrical Power and Energy Systems</i> , 2015 , 64, 96-103	5.1	15
206	Surface plasmon polariton propagation modeling for graphene parallel pair sheets using FDTD 2015 ,		6
205	A review on 3-D magnetic property testing system for measuring rotational core loss of soft magnetic materials 2015 ,		1
204	Modeling the stress dependence of magnetic hysteresis based on Stoner-Wohlfarth theory 2015 ,		1
203	A novel arrangement of field coil for large capacity superconducting motors 2015 ,		1
202	Thermal analysis of the conical rotor motor using LPTN combined with fluid simulation 2015 ,		1
201	Six-sigma robust topology and shape optimization for flux switching permanent magnet machines 2015 ,		2
200	Analysis and design of a novel linear generator for harvesting oceanic wave energy 2015 ,		13
199	Multiobjective design optimization for high-temperature superconducting linear synchronous motors with different primary topologies 2015 ,		1
198	Extended finite element method for electromagnetic fields 2015 ,		4
197	. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	4
196	Hysteresis Modeling of High-Temperature Superconductor Using Simplified Preisach Model. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	34
195	An Improved XFEM With Multiple High-Order Enrichment Functions and Low-Order Meshing Elements for Field Analysis of Electromagnetic Devices With Multiple Nearby Geometrical Interfaces. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	2
194	A new Preisach type hysteresis model of high temperature superconductors. <i>Journal of Applied Physics</i> , 2015 , 117, 17A718	2.5	9
193	FPGA-based control of modular multilevel converters: Modeling and experimental evaluation 2015 ,		3
192	Double-ladder circuit model of transformer windings for frequency response analysis considering frequency-dependent losses 2015 ,		5

191	Current distribution analysis for a multilayer high-Tc superconducting cable considering magnetic hysteresis 2015 ,		2
190	Multidisciplinary Design Analysis and Optimization of a PM Transverse Flux Machine With Soft Magnetic Composite Core. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	29
189	Study on Neural Regeneration Effect of Rat by Using Pulsed Functional Magnetic Stimulation. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	
188	Power and energy management of grid/PEMFC/battery/supercapacitor hybrid power sources for UPS applications. <i>International Journal of Electrical Power and Energy Systems</i> , 2015 , 67, 598-612	5.1	34
187	A review of offshore wind turbine nacelle: Technical challenges, and research and developmental trends. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 33, 161-176	16.2	74
186	. <i>IEEE Journal of Photovoltaics</i> , 2014 , 4, 881-889	3.7	59
185	Multilevel Design Optimization of a FSPMM Drive System by Using Sequential Subspace Optimization Method. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 685-688	2	30
184	Multiobjective Sequential Design Optimization of PM-SMC Motors for Six Sigma Quality Manufacturing. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 717-720	2	25
183	A Numerical Computation Forward Problem Model of Electrical Impedance Tomography Based on Generalized Finite Element Method. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1045-1048	2	8
182	High-Frequency Magnetic-Link Medium-Voltage Converter for Superconducting Generator-Based High-Power Density Wind Generation Systems. <i>IEEE Transactions on Applied Superconductivity</i> , 2014 , 24, 1-5	1.8	24
181	. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 6591-6602	8.9	116
180	An amorphous alloy core medium frequency magnetic-link for medium voltage photovoltaic inverters. <i>Journal of Applied Physics</i> , 2014 , 115, 17E710	2.5	11
179	A 43-level 33 kV 3-phase modular multilevel cascaded converter for direct grid integration of renewable generation systems 2014 ,		6
178	Natural degradation and stimulated recovery of a proton exchange membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 12849-12858	6.7	6
177	Current short circuit implementation for performance improvement and lifetime extension of proton exchange membrane fuel cell. <i>Journal of Power Sources</i> , 2014 , 270, 183-192	8.9	11
176	A High-Frequency Link Multilevel Cascaded Medium-Voltage Converter for Direct Grid Integration of Renewable Energy Systems. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 4167-4182	7.2	195
175	A low-cost permanent magnet synchronous motor with SMC and ferrite PM 2014 ,		4
174	Multilevel Converters for Step-Up-Transformer-Less Direct Integration of Renewable Generation Units with Medium Voltage Smart Microgrids. <i>Green Energy and Technology</i> , 2014 , 127-149	0.6	7

173	State of art of sequential optimization strategies for the design of electromagnetic devices 2014 ,		1
172	Optimal Design of High-Frequency Magnetic Links for Power Converters Used in Grid-Connected Renewable Energy Systems. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	31
171	Power Converters for Medium Voltage Networks. <i>Green Energy and Technology</i> , 2014 ,	0.6	15
170	Energy Exchange Experiments and Performance Evaluations Using an Equivalent Method for a SMES Prototype. <i>IEEE Transactions on Applied Superconductivity</i> , 2014 , 24, 1-5	1.8	20
169	Design and Analysis of 11- and 33-kV Modular Multilevel Cascaded Converters. <i>Green Energy and Technology</i> , 2014 , 227-274	0.6	0
168	Power Converters for Small- to Large-Scale Photovoltaic Power Plants. <i>Green Energy and Technology</i> , 2014 , 17-49	0.6	5
167	Core Loss Computation in a Permanent Magnet Transverse Flux Motor With Rotating Fluxes. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	21
166	Design and Characterization of High-Frequency Magnetic Links Used in Power Electronic Converters. <i>Green Energy and Technology</i> , 2014 , 109-152	0.6	
165	Power Converter Topologies for Grid-Integrated Medium-Voltage Applications. <i>Green Energy and Technology</i> , 2014 , 51-107	0.6	7
164	FPGA-Based Digital Switching Controller for Multilevel Converters. <i>Green Energy and Technology</i> , 2014 , 153-188	0.6	
163	Analysis of Inter-Turn Insulation of High Voltage Electrical Machine by Using Multi-Conductor Transmission Line Model. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 1905-1908	2	13
162	Rotor field orientation speed and torque control of BDFM with adaptive second order sliding mode 2013 ,		1
161	Robust Design Optimization of PM-SMC Motors for Six Sigma Quality Manufacturing. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3953-3956	2	45
160	Application of an Improved Multi-Conductor Transmission Line Model in Power Transformer. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 2029-2032	2	10
159	Two-dimensional magnetic property measurement for magneto-rheological elastomer. <i>Journal of Applied Physics</i> , 2013 , 113, 17A919	2.5	18
158	Multiple-input multiple-output medium frequency-link based medium voltage inverter for direct grid connection of photovoltaic arrays 2013 ,		7
157	A medium frequency transformer with multiple secondary windings for medium voltage converter based wind turbine power generating systems. <i>Journal of Applied Physics</i> , 2013 , 113, 17A324	2.5	28
156	An Improved Population-Based Incremental Learning Method for Objects Buried in Planar Layered Media. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 1027-1030	2	2

155	Using Improved Domain Decomposition Method and Radial Basis Functions to Determine Electromagnetic Fields Near Material Interfaces. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 199-202	2	5
154	System Level Six Sigma Robust Optimization of a Drive System With PM Transverse Flux Machine. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 923-926	2	39
153	Sequential Subspace Optimization Method for Electromagnetic Devices Design With Orthogonal Design Technique. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 479-482	2	22
152	Finite Element Analysis and Evaluation of Stator Insulation in High Voltage Synchronous Motor. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 955-958	2	10
151	Core Loss Modeling for Permanent-Magnet Motor Based on Flux Variation Locus and Finite-Element Method. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 1023-1026	2	63
150	Magnetic Properties Measurement of Soft Magnetic Composite Materials Over Wide Range of Excitation Frequency. <i>IEEE Transactions on Industry Applications</i> , 2012 , 48, 88-97	4.3	20
149	Core Loss Calculation for Soft Magnetic Composite Electrical Machines. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 3112-3115	2	35
148	Theoretical Research on New Laminated Structure Flux Switching Permanent Magnet Machine for Novel Topologic Plug-In Hybrid Electrical Vehicle. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4050-4053	2	35
147	Multiobjective Sequential Optimization Method for the Design of Industrial Electromagnetic Devices. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4538-4541	2	21
146	3-D Analytical Modeling of No-Load Magnetic Field of Ironless Axial Flux Permanent Magnet Machine. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 2929-2932	2	40
145	. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 5202617-5202617	1.8	25
144	Design of an HTS Levitated Double-Sided HTSLSM for Maglev. <i>Physics Procedia</i> , 2012 , 36, 1031-1036		
143	A transformer-less compact and light wind turbine generating system for offshore wind farms 2012 ,		14
142	Transient analysis and control of bias magnetic state in the transformer of on-line pulse-width-modulation switching full bridge direct current-direct current converter. <i>Journal of Applied Physics</i> , 2012 , 111, 07E709	2.5	
141	Flux distribution in Fe-based superconducting materials by magneto-optical imaging. <i>Journal of Applied Physics</i> , 2012 , 111, 07E143	2.5	3
140	11-kV Series-Connected H-Bridge Multilevel Converter for Direct Grid Connection of Renewable Energy Systems. <i>Journal of International Conference on Electrical Machines and Systems</i> , 2012 , 1, 70-78		3
139	H-bridge multilevel voltage source converter for direct grid connection of renewable energy systems 2011 ,		13
138	Simple and robust predictive direct control of DFIG with low constant switching frequency and reduced torque and flux ripples 2011 ,		5

137	Performance Characteristics of an HTS Linear Synchronous Motor With HTS Bulk Magnet Secondary. <i>IEEE Transactions on Industry Applications</i> , 2011 , 47, 2469-2477	4.3	27
136	A Simple Method to Reduce Torque Ripple in Direct Torque-Controlled Permanent-Magnet Synchronous Motor by Using Vectors With Variable Amplitude and Angle. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 2848-2859	8.9	130
135	Three-dimensional magnetic properties of soft magnetic composite material at different frequencies. <i>Journal of Applied Physics</i> , 2011 , 109, 07B503	2.5	3
134	Domain Decomposition Combined Radial Basis Function Collocation Method to Solve Transient Eddy Current Magnetic Problems With Moving Conductors. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 2939-2942	2	5
133	Eddy-Current Loss Prediction in the Rotor Magnets of a Permanent Magnet Synchronous Generator With Modular Winding Feeding a Rectifier Load. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4203-4206	2	16
132	New Axial Laminated-Structure Flux-Switching Permanent Magnet Machine With 6/7 Poles. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 2823-2826	2	45
131	Study on Rotational Hysteresis and Core Loss Under Three-Dimensional Magnetization. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3520-3523	2	15
130	Development of PM Transverse Flux Motors With Soft Magnetic Composite Cores. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4376-4383	2	63
129	Robust Multilevel Optimization of PMSM Using Design for Six Sigma. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3248-3251	2	20
128	Analysis of Transient Overvoltage in 220 kV Saturated Core HTS FCL. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 2620-2623	2	17
127	Performance and cost comparison of NPC, FC and SCHB multilevel converter topologies for high-voltage applications 2011 ,		17
126	Analysis and experimental validation of an HTS linear synchronous propulsion prototype with HTS magnetic suspension. <i>Physica C: Superconductivity and Its Applications</i> , 2011 , 471, 520-527	1.3	15
125	Thrust characteristics of a double-sided high temperature superconducting linear synchronous motor with a high temperature superconducting magnetic suspension system. <i>Journal of Applied Physics</i> , 2011 , 109, 073916	2.5	12
124	Influence of external traveling-wave magnetic field on trapped field of a high temperature superconducting bulk magnet used in a linear synchronous motor. <i>Journal of Applied Physics</i> , 2011 , 109, 113913	2.5	13
123	Design and comparison of 11 kV multilevel voltage source converters for local grid based renewable energy systems 2011 ,		6
122	Visualization of vortex motion in FeAs-based BaFe _{1.9} Ni _{0.1} As ₂ single crystal by means of magneto-optical imaging. <i>Journal of Applied Physics</i> , 2011 , 109, 07E142	2.5	
121	Experimental study on thrust and normal force of a permanent magnet linear synchronous motor 2011 ,		3
120	Current distribution analysis for high temperature superconducting cable considering hysteresis characteristics. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2010 , 33, 511-517	0.4	5

119	Cogging torque reduction of Bldc motor using level set based topology optimization incorporating with triangular finite element. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2010 , 33, 1069-1076	0.4	2
118	Modeling and simulation of direct torque controlled SPMSM Drive incorporating magnetic saturation saliency. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2010 , 33, 473-479	0.4	
117	Simulation and optimization of six-stage electromagnetic coilgun. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2010 , 33, 465-471	0.4	1
116	Research of Three-Dimensional Magnetic Reluctivity Tensor Based on Measurement of Magnetic Properties. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 1932-1935	1.8	12
115	Magneto-optical visualization of vortices penetration into Ba(Fe _{1.8} Co _{0.2})As ₂ . <i>Journal of Applied Physics</i> , 2010 , 107, 09E155	2.5	4
114	Magnetic flux penetration in polycrystalline SmFeO _{0.75} F _{0.2} As. <i>Journal of Applied Physics</i> , 2010 , 107, 09E114	2.5	1
113	Simulation of PV array characteristics and fabrication of microcontroller based MPPT 2010 ,		6
112	Steady state characteristic simulation of DFIG for wind power system 2010 ,		5
111	Electromagnetic optimal design of a linear induction motor in linear metro 2010 ,		2
110	. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 3181-3184	2	19
109	Equivalent Circuits for Single-Sided Linear Induction Motors. <i>IEEE Transactions on Industry Applications</i> , 2010 , 46, 2410-2423	4.3	107
108	Steady and dynamic performance analyses of a linear induction machine 2010 ,		4
107	Torque ripples and estimation performance of high frequency signal injection based sensorless PMSM drive strategies 2010 ,		3
106	An Improved Equivalent Circuit Model of a Single-Sided Linear Induction Motor. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 2277-2289	6.8	88
105	Initial Rotor Position and Magnetic Polarity Identification of PM Synchronous Machine Based on Nonlinear Machine Model and Finite Element Analysis. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 2016-2019	2	18
104	Measurement of Soft Magnetic Composite Material Using an Improved 3-D Tester With Flexible Excitation Coils and Novel Sensing Coils. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 1971-1974	2	20
103	Dynamic Multilevel Optimization of Machine Design and Control Parameters Based on Correlation Analysis. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 2779-2782	2	13
102	A Comprehensive Analytical Mathematic Model for Permanent-Magnet Synchronous Machines Incorporating Structural and Saturation Saliencies. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 4081-4091	2	17

101	Equivalent circuits for single-sided linear induction motors 2009 ,		4
100	Design and electromagnetic analysis of a HTS linear synchronous motor 2009 ,		3
99	Drive system analysis of a novel plug-in hybrid vehicle 2009 ,		7
98	Unbalanced Magnet Pull in Large Brushless Rare-Earth Permanent Magnet Motors With Rotor Eccentricity. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4586-4589	2	66
97	Improved Sequential Optimization Method for High Dimensional Electromagnetic Device Optimization. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 3993-3996	2	20
96	Nonlinear Magnetic Model of Surface Mounted PM Machines Incorporating Saturation Saliency. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4684-4687	2	13
95	A Novel Superposition RBF Collocation Method to Solve Moving Conductor Eddy Current Problems. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 3977-3980	2	5
94	Design and Analysis of a Claw Pole Permanent Magnet Motor With Molded Soft Magnetic Composite Core. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4582-4585	2	59
93	Multiscale Combined Radial Basis Function Collocation Method for Eddy Currents Analysis in High-Speed Moving Conductors. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 3973-3976	2	6
92	Thermal Analysis of High-Speed SMC Motor Based on Thermal Network and 3-D FEA With Rotational Core Loss Included. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4680-4683	2	53
91	Flux Distribution at the Cross Section of Stacked Nanostructured Magnetic Ribbon. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 3912-3914	2	
90	Bayesian Inversion Method and its Information Determination for the Estimation of Particle Size Distribution in Ferrofluids. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 3981-3984	2	6
89	Multilevel Optimization for Surface Mounted PM Machine Incorporating With FEM. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4700-4703	2	19
88	An inchworm mobile robot using electromagnetic linear actuator. <i>Mechatronics</i> , 2009 , 19, 1116-1125	3	38
87	Survey on electrical machines in electrical vehicles 2009 ,		26
86	Study on a wind-solar complementary power inverter 2009 ,		2
85	Design and analysis of a linear induction motor for a prototype HTS maglev transportation system 2009 ,		3
84	Design and characteristics analysis of long-primary single-sided linear induction motor 2009 ,		1

83	Fuzzy neural network-based model reference adaptive inverse control for induction machines 2009 ,		2
82	Optimal design of a linear induction motor applied in transportation 2009 ,		4
81	Performance analysis of electric machine drives for plug-in hybrid electric vehicles 2009 ,		3
80	Improved measurement of three-dimensional magnetic properties of SMC material 2009 ,		2
79	Design and analysis of a permanent magnet motor with SMC core for driving dishwasher pump 2009 ,		1
78	Modeling and control of power converters in UPS applications with PEM fuel cell 2009 ,		1
77	Measurement and Modeling of Rotational Core Losses of Soft Magnetic Materials Used in Electrical Machines: A Review. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 279-291	2	74
76	Robust Optimization in HTS Cable Based on Design for Six Sigma. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 978-981	2	19
75	A Miniature Short Stroke Linear Actuator Design and Analysis. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 497-504	2	17
74	Initial rotor position estimation and sensorless direct torque control of surface-mounted permanent magnet synchronous motors considering saturation saliency. <i>IET Electric Power Applications</i> , 2008 , 2, 42-48	1.8	16
73	Comprehensive control of proton exchange membrane fuel cell as backup power supply for UPS 2008 ,		1
72	Development of a Wound Rotor Brushless Doubly Fed Machine Based on Slot MMF Harmonics 2008 ,		6
71	Modeling and simulation of PMSM control system based on SVPWM 2008 ,		5
70	Numerical simulation of a PMSM model considering saturation saliency for initial rotor position estimation 2008 ,		2
69	Power Converters and Controllers for UPS Applications with Backup PEM Fuel Cell 2008 ,		3
68	. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 3217-3220	2	34
67	Robust Optimization in HTS Cable Based on DEPSO and Design for Six Sigma 2008 ,		1
66	Parameter Determination And Performance Analysis of a Permanent Magnet Synchronous Generator By Magnetic Field Finite Element Analysis. <i>Australian Journal of Electrical and Electronics Engineering</i> , 2008 , 5, 225-262	0.6	

65	A general electromagnetic field-circuit coupling method based on time-stepping finite element analysis for performance analysis of pulse-width modulated switching converters considering hysteresis effects. <i>Journal of Applied Physics</i> , 2008 , 103, 07D910	2.5	1
64	Influence of inductance variation on performance of a permanent magnet claw pole soft magnetic composite motor. <i>Journal of Applied Physics</i> , 2008 , 103, 07F118	2.5	4
63	A unified discrete model for PWM switching DC to DC converters with current-mode control. <i>Australian Journal of Electrical and Electronics Engineering</i> , 2008 , 4, 63-71	0.6	
62	Intelligent uninterruptible power supply system with back-up fuel cell/battery hybrid power source. <i>Journal of Power Sources</i> , 2008 , 179, 745-753	8.9	28
61	Application of Multi-level Multi-domain Modeling in the Design and Analysis of a PM Transverse Flux Motor with SMC Core 2007 ,		2
60	Comparative Study of High-Speed PM Motors with Laminated Steel and Soft Magnetic Composite Cores. <i>Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)</i> , 2007 ,		6
59	Next generation of DC power transmission technology using High Tc superconducting cables 2007 ,		1
58	An improved Phase Variable Model Based on Electro-magnetic Field Coupled with its External Circuits for Performance Evaluation of Permanent Magnet Brushless DC Motors 2007 ,		3
57	Design and Analysis of a Prototype Linear Motor Driving System for HTS Maglev Transportation. <i>IEEE Transactions on Applied Superconductivity</i> , 2007 , 17, 2087-2090	1.8	48
56	Parameter determination and performance analysis of a PM synchronous generator by magnetic field finite element analysis 2007 ,		2
55	Magnetic properties of soft magnetic composites under three-dimensional excitations. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2007 , 25, 237-241	0.4	2
54	B and H sensors for 3-D magnetic property testing. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2007 , 25, 517-520	0.4	1
53	Determination of 3D magnetic reluctivity tensor of soft magnetic composite material. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 312, 458-463	2.8	22
52	Effects of Armature Reaction on the Performance of a Claw Pole Motor With Soft Magnetic Composite Stator by Finite-Element Analysis. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 1072-1077	2	6
51	Effect of Armature Reaction of a Permanent-Magnet Claw Pole SMC Motor. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 2561-2563	2	9
50	A Comparison of Point Interpolative Boundary Meshless Method Based on PBF and RBF for Transient Eddy-Current Analysis. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 1497-1500	2	6
49	An Improved Multiquadric Collocation Method for 3-D Electromagnetic Problems. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 1509-1512	2	24
48	Transient Simulation and Analysis for Saturated Core High Temperature Superconducting Fault Current Limiter. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 1813-1816	2	21

47	Z-Transform-Based FDTD Analysis of Perfectly Conducting Cylinder Covered With Unmagnetized Plasma. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 2968-2970	2	12
46	Correction to: "Transient simulation and analysis for saturated core high temperature superconducting fault current limiter". <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 3540-3540	2	1
45	Development of a High-Speed Permanent-Magnet Brushless DC Motor for Driving Embroidery Machines. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 4004-4009	2	12
44	Design and Analysis of a High-Speed Claw Pole Motor With Soft Magnetic Composite Core. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 2492-2494	2	30
43	Power system analysis of a resistive HTS fault current limiter. <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 460-462, 1455-1456	1.3	0
42	Principle and analysis of a linear motor driving system for HTS levitation applications. <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 460-462, 1445-1446	1.3	6
41	A PEMFC/Battery Hybrid UPS System for Backup and Emergency Power Applications 2007 ,		2
40	. <i>IEEE Transactions on Applied Superconductivity</i> , 2007 , 17, 2022-2025	1.8	5
39	Development of Advanced Hardware and Software for Proton Exchange Membrane Fuel Cell Test Systems. <i>Australian Journal of Electrical and Electronics Engineering</i> , 2007 , 3, 201-209	0.6	1
38	A Practical Circuit Model of High Frequency Transformers in Power Electronic Systems. <i>Australian Journal of Electrical and Electronics Engineering</i> , 2007 , 3, 211-223	0.6	0
37	A survey of direct torque control schemes for permanent magnet synchronous motor drives 2007 ,		6
36	Design Optimization of an Interior-type Permanent Magnet BLDC Motor using PSO and Improved MEC 2007 ,		2
35	Calibration of Sensing Coils of a Three-Dimensional Magnetic Property Tester. <i>IEEE Transactions on Magnetics</i> , 2006 , 42, 3243-3245	2	8
34	Multiquadrics Collocation Method for Transient Eddy Current Problems. <i>IEEE Transactions on Magnetics</i> , 2006 , 42, 3183-3185	2	5
33	Characteristics of soft magnetic composite material under rotating magnetic fluxes. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 299, 29-34	2.8	31
32	Measurement and modelling of magnetic properties of soft magnetic composite material under 2D vector magnetisations. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 302, 14-19	2.8	25
31	3D vector magnetic properties of soft magnetic composite material. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 302, 511-516	2.8	34
30	Robust Optimization of Multilayer Conductors of HTS AC Cable Using PSO and Perturbation Analysis. <i>Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)</i> , 2006 ,		3

29	Three-dimensional hysteresis of soft magnetic composite. <i>Journal of Applied Physics</i> , 2006 , 99, 08D909	2.5	14
28	Control of Proton Exchange Membrane Fuel Cell Based on Fuzzy Logic 2006 ,		1
27	Calculation of Power Loss in Output Diode of a Flyback Switching DC-DC Converter 2006 ,		3
26	Development of a PM transverse flux motor with soft magnetic composite core. <i>IEEE Transactions on Energy Conversion</i> , 2006 , 21, 426-434	5.4	103
25	Accurate determination of parameters of a claw-pole motor with SMC stator core by finite-element magnetic-field analysis. <i>IET Electric Power Applications</i> , 2006 , 153, 568		21
24	Modeling and Simulation of Flyback DC-DC Converter under Heavy Load 2006 ,		3
23	Modeling and Simulation of Direct Torque Controlled PMSM Drive System Incorporating Structural and Saturation Saliencies. <i>Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)</i> , 2006 ,		3
22	Applications of soft magnetic composite materials in electrical machines. <i>Australian Journal of Electrical and Electronics Engineering</i> , 2006 , 3, 37-46	0.6	12
21	Development of a permanent magnet claw pole motor with soft magnetic composite core. <i>Australian Journal of Electrical and Electronics Engineering</i> , 2005 , 2, 21-30	0.6	13
20	Improved measurement of magnetic properties with 3D magnetic fluxes. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 1567-1570	2.8	11
19	A 3-D vector magnetization model with interaction field. <i>IEEE Transactions on Magnetics</i> , 2005 , 41, 1496-1499	2	
18	Thermal analysis of soft magnetic composite motors using a hybrid model with distributed heat sources. <i>IEEE Transactions on Magnetics</i> , 2005 , 41, 2124-2128	2	39
17	A boundary meshless method for transient eddy current problems. <i>IEEE Transactions on Magnetics</i> , 2005 , 41, 4090-4092	2	5
16	Improved measurement with 2-D rotating fluxes considering the effect of internal field. <i>IEEE Transactions on Magnetics</i> , 2005 , 41, 3709-3711	2	12
15	Measurement and modeling of core losses of soft magnetic composites under 3-D magnetic excitations in rotating motors. <i>IEEE Transactions on Magnetics</i> , 2005 , 41, 3925-3927	2	22
14	Development of a slotless tubular linear interior permanent magnet micromotor for robotic applications. <i>IEEE Transactions on Magnetics</i> , 2005 , 41, 3988-3990	2	24
13	An improved method for predicting magnetic power losses in SMC electrical machines. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2004 , 19, 75-78	0.4	4
12	Multiresolution analysis for reconstruction of conductivity profiles in eddy current nondestructive evaluation using probe impedance data. <i>IEEE Transactions on Magnetics</i> , 2004 , 40, 2101-2103	2	3

11	Core losses in claw pole permanent magnet machines with soft magnetic composite stators. <i>IEEE Transactions on Magnetics</i> , 2003 , 39, 3199-3201	2	49
10	Comparative study of 3-D flux electrical machines with soft magnetic composite cores. <i>IEEE Transactions on Industry Applications</i> , 2003 , 39, 1696-1703	4.3	77
9	Design and construction of a single phase claw pole permanent magnet motor using composite magnetic material. <i>Renewable Energy</i> , 2001 , 22, 185-195	8.1	4
8	Power losses of soft magnetic composite materials under two-dimensional excitation. <i>Journal of Applied Physics</i> , 1999 , 85, 4403-4405	2.5	17
7	A NEW DESIGN PRINCIPLE FOR POLE-CHANGING WINDING-THE THREE-EQUATION PRINCIPLE. <i>Electric Power Components and Systems</i> , 1994 , 22, 187-199		2
6	Back Propagation Neural Network Applied to Modeling of Switched Reluctance Motor		1
5	A Permanent Magnet Linear Motor for Micro Robots		1
4	Transient Simulation and Analysis for Saturated Core High Temperature Superconducting Fault Current Limiter		1
3	Comparative study of 3D flux electrical machines with soft magnetic composite cores		9
2	Design and Analysis of an Outer Mover Linear-Rotary Vernier Machine. <i>Journal of Electrical Engineering and Technology</i> ,	1.4	1
1	Comparative study of rotor PM transverse flux machine and stator PM transverse flux machine with SMC cores. <i>Electrical Engineering</i> ,1	1.5	1