

# O A Mohammed

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3634157/publications.pdf>

Version: 2024-02-01

546  
papers

11,434  
citations

36303

51  
h-index

53230

85  
g-index

553  
all docs

553  
docs citations

553  
times ranked

8508  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Adaptive Neural Network Tracking Control With Optimized Super-Twisting Sliding-Mode Technique for Induction Motor Drive System. IEEE Transactions on Industry Applications, 2022, 58, 4134-4157.	4.9	21
2	Distributed Secondary Control in Microgrids Using Synchronous Condenser for Voltage and Frequency Support. Energies, 2022, 15, 2968.	3.1	5
3	A Voltage-Quadrupler Interleaved Bidirectional DC-DC Converter With Intrinsic Equal Current Sharing Characteristic for Electric Vehicles. IEEE Transactions on Industrial Electronics, 2021, 68, 1803-1813.	7.9	27
4	A New SEPIC-Based Step-Up DC-DC Converter With Wide Conversion Ratio for Fuel Cell Vehicles: Analysis and Design. IEEE Transactions on Industrial Electronics, 2021, 68, 6390-6400.	7.9	30
5	Detection of TTF in Induction Motor Vector Drives for EV Applications via $\alpha$ -Based DDWE. IEEE Transactions on Transportation Electrification, 2021, 7, 114-132.	7.8	7
6	Real-Time metadata-driven routing optimization for electric vehicle energy consumption minimization using deep reinforcement learning and Markov chain model. Electric Power Systems Research, 2021, 192, 106962.	3.6	29
7	Parameter Identification Based Online Noninvasive Estimation of Rotor Temperature in Induction Motors. IEEE Transactions on Industry Applications, 2021, 57, 417-426.	4.9	22
8	CPS Attacks Mitigation Approaches on Power Electronic Systems With Security Challenges for Smart Grid Applications: A Review. IEEE Access, 2021, 9, 38571-38601.	4.2	22
9	Robust Optimal Control of High-Speed Permanent-Magnet Synchronous Motor Drives via Self-Constructing Fuzzy Wavelet Neural Network. IEEE Transactions on Industry Applications, 2021, 57, 999-1013.	4.9	25
10	Two-stage dynamic management in energy communities using a decision system based on elastic net regularization. Applied Energy, 2021, 291, 116852.	10.1	22
11	An Improved Core Loss Model of Ferromagnetic Materials Considering High-Frequency and Nonsinusoidal Supply. IEEE Transactions on Industry Applications, 2021, 57, 4336-4346.	4.9	14
12	Two-Stage Optimization Strategy for Solving the VVO Problem Considering High Penetration of Plug-In Electric Vehicles to Unbalanced Distribution Networks. IEEE Transactions on Industry Applications, 2021, 57, 3425-3440.	4.9	14
13	Improved Rotor Bar Shape in High-Voltage Large-Power Induction Motors to Eliminate Hotspot and Avoid Broken Bars. IEEE Transactions on Industry Applications, 2021, 57, 4606-4616.	4.9	4
14	IEC 61850-Based Communication Networks of Distribution System against Cyber and Physical Failures. World Electric Vehicle Journal, 2021, 12, 155.	3.0	0
15	Dynamic Real-Time Pricing Mechanism for Electric Vehicles Charging Considering Optimal Microgrids Energy Management System. IEEE Transactions on Industry Applications, 2021, 57, 5372-5381.	4.9	36
16	MRAS-Based Super-Twisting Sliding-Mode Estimator Combined With Block Control and DTC of Six-Phase Induction Motor for Ship Propulsion Application. IEEE Transactions on Industry Applications, 2021, 57, 6646-6658.	4.9	11
17	Decentralized Control Algorithm for the Hybrid Energy Storage of Shipboard Power System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 720-731.	5.4	24
18	A New Single-Switch Structure of a DC-DC Converter With Wide Conversion Ratio for Fuel Cell Vehicles: Analysis and Development. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 2785-2800.	5.4	39

#	ARTICLE	IF	CITATIONS
19	An intelligent protection scheme to deal with extreme fault currents in smart power systems. International Journal of Electrical Power and Energy Systems, 2020, 115, 105434.	5.5	14
20	A New Hybrid Structure of a Bidirectional DC-DC Converter With High Conversion Ratios for Electric Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 194-206.	6.3	45
21	An Enhancement of Protection Strategy for Distribution Network Using the Communication Protocols. IEEE Transactions on Industry Applications, 2020, 56, 1240-1249.	4.9	26
22	An Integrated Interleaved Ultrahigh Step-Up DC-DC Converter Using Dual Cross-Coupled Inductors With Built-In Input Current Balancing for Electric Vehicles. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 644-657.	5.4	58
23	Robust Electromagnetic Design of Double-Canned IM for Submersible Rim Driven Thrusters to Reduce Losses and Vibration. IEEE Transactions on Energy Conversion, 2020, 35, 2045-2055.	5.2	8
24	Differential Mathematical Morphological-Based Online Diagnosis of Stator Interturn Failures in Direct Torque Control Drive Systems. IEEE Transactions on Industry Applications, 2020, 56, 6272-6285.	4.9	5
25	A High-Speed Microturbine PMA-SynRG Emulation Using Power Hardware-in-the-Loop for Wind Energy Conversion Systems. IEEE Access, 2020, 8, 194612-194622.	4.2	5
26	IoT-Based Digital Twin for Energy Cyber-Physical Systems: Design and Implementation. Energies, 2020, 13, 4762.	3.1	63
27	Modeling of Anisotropic Magnetostriction Under DC Bias Based on an Optimized BP Neural Network. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	24
28	On the Implementation of IoT-Based Digital Twin for Networked Microgrids Resiliency Against Cyber Attacks. IEEE Transactions on Smart Grid, 2020, 11, 5138-5150.	9.0	108
29	Hybrid Microgrid Energy Management and Control Based on Metaheuristic-Driven Vector-Decoupled Algorithm Considering Intermittent Renewable Sources and Electric Vehicles Charging Lot. Energies, 2020, 13, 3423.	3.1	19
30	Optimal Design of High-speed Solid Rotor Cage Induction Motors Considering Ferromagnetic Materials Behavior and Manufacturing Process. IEEE Transactions on Industry Applications, 2020, , 1-1.	4.9	7
31	Data-Centric Communication Framework for Multicast IEC 61850 Routable GOOSE Messages over the WAN in Modern Power Systems. Applied Sciences (Switzerland), 2020, 10, 848.	2.5	10
32	Optimal power routing scheme between and within interlinking converters in unbalanced hybrid AC-DC microgrids. IET Generation, Transmission and Distribution, 2020, 14, 368-378.	2.5	4
33	Coordination of Hybrid Energy Storage for Ship Power Systems With Pulsed Loads. IEEE Transactions on Industry Applications, 2020, 56, 1136-1145.	4.9	34
34	Automated Distributed Electric Vehicle Controller for Residential Demand Side Management. IEEE Transactions on Industry Applications, 2019, 55, 16-25.	4.9	52
35	Testing and Assessment of EMFs and Touch Currents From 25-kW IPT System for Medium-Duty EVs. IEEE Transactions on Vehicular Technology, 2019, 68, 7477-7487.	6.3	29
36	Co-Simulation of Improved AIMD Algorithm for Decentralized Charging of Electric Vehicles. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
37	Sectional Variable Frequency and Voltage Regulation Control Strategy for Energy Saving in Beam Pumping Motor Systems. IEEE Access, 2019, 7, 92456-92464.	4.2	13
38	On-line Monitoring of Stator Inter-Turn Failures in DTC driven Asynchronous Motors using Mathematical Morphological Gradient. , 2019, , .		7
39	A Hardware-in-the-Loop Realization of Speed Sensorless Control of PMA-SynRM With Steady-State and Transient Performances Enhancement. IEEE Transactions on Industry Applications, 2019, 55, 5331-5342.	4.9	16
40	Single and Multiobjective Optimal Reactive Power Dispatch Based on Hybrid Artificial Physicsâ€“Particle Swarm Optimization. Energies, 2019, 12, 2333.	3.1	42
41	The IEC 61850 Sampled Measured Values Protocol: Analysis, Threat Identification, and Feasibility of Using NN Forecasters to Detect Spoofed Packets. Energies, 2019, 12, 3731.	3.1	21
42	Experimental Verification of a Double-Input Soft-Switched DCâ€“DC Converter for Fuel Cell Electric Vehicle With Hybrid Energy Storage System. IEEE Transactions on Industry Applications, 2019, 55, 6451-6465.	4.9	17
43	Coordinated Control Scheme for Electric Vehicles Connected to Droop-Controlled MicroGrids. , 2019, , .		6
44	A Synthetic Case Study for Analysis of the Rising Interdependency Between the Power Grid and E-Mobility. IEEE Access, 2019, 7, 58802-58809.	4.2	7
45	The IEC 61850 Sampled Measured Values Protocol: Analysis, Threat Identification, and Feasibility of Using NN Forecasters to Detect of Spoofed Packets. , 2019, , .		3
46	An Optimal Energy Management System for Real-Time Operation of Multiagent-Based Microgrids Using a T-Cell Algorithm. Energies, 2019, 12, 3004.	3.1	8
47	Experimental Verification of the Effect of Uncoordinated Charging of Electric Vehicles on Power Grids. , 2019, , .		6
48	On-Line Detection of Stator Faults in DTC-Driven IM Using SC Impedance Matrix Off-Diagonal Term. IEEE Transactions on Industry Applications, 2019, 55, 5906-5915.	4.9	22
49	A Bipolar DC-DC Converter with Wide Voltage-Gain Range for Energy Storage Integration in Ship Power Systems. , 2019, , .		5
50	Modeling and Simulation of DC Electric Rail Transit Systems With Wayside Energy Storage. IEEE Transactions on Vehicular Technology, 2019, 68, 2218-2228.	6.3	49
51	Stator Fault Detection on DTC-Driven IM via Magnetic Signatures Aided by 2-D FEA Co-Simulation. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	36
52	Small-signal model predictive control based resilient energy storage management strategy for all electric ship MVDC voltage stabilization. Journal of Energy Storage, 2019, 21, 370-382.	8.1	14
53	Bilayer Predictive Power Flow Controller for Bidirectional Operation of Wirelessly Connected Electric Vehicles. IEEE Transactions on Industry Applications, 2019, 55, 4258-4267.	4.9	19
54	Smart Integration of a DC Microgrid: Enhancing the Power Quality Management of the Neighborhood Low-Voltage Distribution Network. Inventions, 2019, 4, 25.	2.5	3

#	ARTICLE	IF	CITATIONS
55	Experimental Demonstration of a Modular, Quasi-Resonant Bidirectional DC-DC Converter Using GaN Switches for Electric Vehicles. IEEE Transactions on Industry Applications, 2019, 55, 7787-7803.	4.9	19
56	Investigation of Protection Strategy for Microgrid System Using Lithium-Ion Battery During Islanding. IEEE Transactions on Industry Applications, 2019, 55, 3411-3420.	4.9	19
57	Modeling of Magnetostrictive Property of Electrical Steel Sheet Under Vectorial Excitation. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	14
58	Smart Control of Fleets of Electric Vehicles in Smart and Connected Communities. IEEE Transactions on Smart Grid, 2019, 10, 6883-6897.	9.0	30
59	A Single-Switch Transformerless DC-DC Converter With Universal Input Voltage for Fuel Cell Vehicles: Analysis and Design. IEEE Transactions on Vehicular Technology, 2019, 68, 4537-4549.	6.3	59
60	PWM Plus Phase-Shift-Modulated Three-Port Three-Level Soft-Switching Converter Using GaN Switches for Photovoltaic Applications. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 636-652.	5.4	25
61	A Family of Three-Port Three-Level Converter Based on Asymmetrical Bidirectional Half-Bridge Topology for Fuel Cell Electric Vehicle Applications. IEEE Transactions on Power Electronics, 2019, 34, 11706-11724.	7.9	56
62	A secured distributed control system for future interconnected smart grids. Applied Energy, 2019, 243, 57-70.	10.1	26
63	Hybrid Energy Storage Sizing and Power Splitting Optimization for Plug-In Electric Vehicles. IEEE Transactions on Industry Applications, 2019, 55, 2252-2262.	4.9	89
64	Collective Distribution of Mobile Loads for Optimal and Secure Operation of Power Systems. , 2019, , .		1
65	Optimal Design of High-speed Solid Rotor Cage Induction Motors Considering Ferromagnetic Materials Behavior and Manufacturing Process. , 2019, , .		1
66	A Fault Clearing for Microgrid Protection System Utilized the Communication Network with Centralized Approach. , 2019, , .		5
67	Robust Optimal Control of High-Speed Permanent-Magnet Synchronous Motor Drives via Self-Constructing Fuzzy Wavelet Neural Network. , 2019, , .		1
68	Enhancement of Protection Scheme for Distribution System Using the Communication Network. , 2019, , .		5
69	Wavelet Transformation-Based Diagnosis of Turn-to-Turn Faults in Vector Control Drive system. , 2019, , .		7
70	A Framework for Analyzing and Testing Cyber-Physical Interactions for Smart Grid Applications. Electronics (Switzerland), 2019, 8, 1455.	3.1	6
71	Intelligent Power Management for the Hybrid Energy Storage of the Ship Power System. , 2019, , .		1
72	Online Estimation of Rotor Temperature in Induction Motors Based on Parameter Identification. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
73	Design of Loosely Coupled Transformer of Wireless Power Transfer for Higher Misalignment Tolerance of System Efficiency. , 2019, , .		3
74	Design and Experimental Verification of a High-Voltage Series-Stacked GaN eHEMT Module for Electric Vehicle Applications. IEEE Transactions on Transportation Electrification, 2019, 5, 31-47.	7.8	20
75	Design and Implementation of a New Transformerless Bidirectional DC-DC Converter With Wide Conversion Ratios. IEEE Transactions on Industrial Electronics, 2019, 66, 7067-7077.	7.9	58
76	A Bilateral Decision Support Platform for Public Charging of Connected Electric Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 129-140.	6.3	18
77	Recuperation of Regenerative Braking Energy in Electric Rail Transit Systems. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2831-2847.	8.0	149
78	Data-Centric Hierarchical Distributed Model Predictive Control for Smart Grid Energy Management. IEEE Transactions on Industrial Informatics, 2019, 15, 4086-4098.	11.3	29
79	Communication-Based Control for DC Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 2180-2195.	9.0	59
80	A Multiagent-Based Game-Theoretic and Optimization Approach for Market Operation of Multimicrogrid Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 280-292.	11.3	83
81	Coil Design Optimization of Power Pad in IPT System for Electric Vehicle Applications. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	48
82	A Kriging-Assisted Light Beam Search Method for Multi-Objective Electromagnetic Inverse Problems. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	16
83	Physics-Based Co-Simulation Platform With Analytical and Experimental Verification for Bidirectional IPT System in EV Applications. IEEE Transactions on Vehicular Technology, 2018, 67, 275-284.	6.3	22
84	Utilization of Supercapacitors in Protection Schemes for Resiliency Against Communication Outages: A Case Study on Size and Cost Optimization. IEEE Transactions on Industry Applications, 2018, 54, 3153-3164.	4.9	18
85	Bilayer Multi-Objective Optimal Allocation and Sizing of Electric Vehicle Parking Garage. IEEE Transactions on Industry Applications, 2018, 54, 1992-2001.	4.9	30
86	A Review of Communication Failure Impacts on Adaptive Microgrid Protection Schemes and the Use of Energy Storage as a Contingency. IEEE Transactions on Industry Applications, 2018, 54, 1194-1207.	4.9	116
87	The Internet of Microgrids: A Cloud-Based Framework for Wide Area Networked Microgrids. IEEE Transactions on Industrial Informatics, 2018, 14, 1262-1274.	11.3	77
88	Design of an all-GaN bidirectional DC-DC converter for medium voltage DC ship power systems using series-stacked GaN modules. , 2018, , .		12
89	A DDS-Based Energy Management Framework for Small Microgrid Operation and Control. IEEE Transactions on Industrial Informatics, 2018, 14, 958-968.	11.3	29
90	Development and Application of a Real-Time Testbed for Multiagent System Interoperability: A Case Study on Hierarchical Microgrid Control. IEEE Transactions on Smart Grid, 2018, 9, 1759-1768.	9.0	88

#	ARTICLE	IF	CITATIONS
91	Condition monitoring of power components in electric grid using electromagnetic stray fields. Electrical Engineering, 2018, 100, 499-508.	2.0	3
92	Fuzzy Predictive DTC of Induction Machines With Reduced Torque Ripple and High-Performance Operation. IEEE Transactions on Power Electronics, 2018, 33, 2580-2587.	7.9	32
93	Modeling the Impact of the Vehicle-to-Grid Services on the Hourly Operation of the Power Distribution Grid. Designs, 2018, 2, 55.	2.4	7
94	The Digital Power Networks: Energy Dissemination Through a Micro-Grid. , 2018, , .		3
95	Computational methods based laplace decomposition for solving nonlinear system of fractional order differential equations. AEJ - Alexandria Engineering Journal, 2018, 57, 3549-3557.	6.4	26
96	Microgrid Stability Improvement using a Fuzzy-Based PSS Design for Virtual Synchronous Generator. , 2018, , .		6
97	Development of Protection Scheme for Active Distribution Systems with Penetration of Distributed Generation. , 2018, , .		0
98	Game-theory-based Real-Time Inter-Microgrid Market Design Using Hierarchical Optimization Algorithm. , 2018, , .		2
99	A Three-Level Boost Converter with an Extended Gain and Reduced Voltage Stress using WBG Devices. , 2018, , .		1
100	GPS Synchronization of Smart Distributed Converters for Microgrid Applications. Energies, 2018, 11, 695.	3.1	2
101	A Bidirectional Buck-boost Converter Using 1.3kV Series-Stacked GaN E-HEMT Modules for Electric Vehicle Charging Application. , 2018, , .		1
102	A Soft-Switched DC/DC Converter Using Integrated Dual Half-Bridge with High Voltage Gain and Low Voltage Stress for DC Microgrid Applications. Inventions, 2018, 3, 63.	2.5	7
103	Pre-Processing of Energy Demand Disaggregation Based Data Mining Techniques for Household Load Demand Forecasting. Inventions, 2018, 3, 45.	2.5	16
104	Physical-Model-Checking to Detect Switching-Related Attacks in Power Systems. Sensors, 2018, 18, 2478.	3.8	5
105	Intelligent Control Framework for Energy Storage Management on MVDC Ship Power System. , 2018, , .		5
106	A New Three-Level Flying-Capacitor Boost Converter with an Integrated LC2D Output Network for Fuel-Cell Vehicles: Analysis and Design. Inventions, 2018, 3, 61.	2.5	8
107	A Multi-input DC-DC Converter with AC-DC PFC Buck-boost Stage for Hybrid Energy storage Systems. , 2018, , .		4
108	Control and Voltage Stability of A Medium Voltage DC Micro-Grid Involving Pulsed Load. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
109	Analysis of the Impact of Stator Interturn Short-Circuit Faults on Induction Machines Driven by Direct Torque Control. IEEE Transactions on Energy Conversion, 2018, 33, 1463-1474.	5.2	24
110	Wide area condition monitoring of power electric drives in wind power generation system using radiated electromagnetic fields. IET Power Electronics, 2018, 11, 876-883.	2.1	5
111	An Automated Charger for Large-Scale Adoption of Electric Vehicles. IEEE Transactions on Transportation Electrification, 2018, 4, 971-984.	7.8	12
112	Charge Control and Operation of Electric Vehicles in Power Grids: A Review. Energies, 2018, 11, 701.	3.1	46
113	Online fault detection of stator winding faults in IM driven by DTC using the off-diagonal term of the symmetrical component impedance matrix. , 2018, , .		8
114	Multi-Objective Optimization Technique for the Operation of Grid tied PV Powered EV Charging Station. Electric Power Systems Research, 2018, 164, 201-211.	3.6	80
115	Experimental evaluation of power distribution to reactive loads in a network-controlled delivery grid. , 2018, , .		2
116	Household Load Forecasting Based on a Pre-Processing Non-Intrusive Load Monitoring Techniques. , 2018, , .		9
117	Protection of Autonomous Microgrids Using Agent-Based Distributed Communication. IEEE Transactions on Power Delivery, 2017, 32, 351-360.	4.3	90
118	Multiagent-Based Optimal Microgrid Control Using Fully Distributed Diffusion Strategy. IEEE Transactions on Smart Grid, 2017, 8, 1997-2008.	9.0	114
119	Utilizing supercapacitors for resiliency enhancements and adaptive microgrid protection against communication failures. Electric Power Systems Research, 2017, 145, 223-233.	3.6	66
120	Magnetic Design Considerations of Bidirectional Inductive Wireless Power Transfer System for EV Applications. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	39
121	EMI Reduction of PMSM Drive Through Matrix Converter Controlled With Wide-Bandgap Switches. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	9
122	An Integrated Characterization Model and Multiobjective Optimization for the Design of an EV Charger's Circular Wireless Power Transfer Pads. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	29
123	Multi-Agent-Based Technique for Fault Location, Isolation, and Service Restoration. IEEE Transactions on Industry Applications, 2017, 53, 1841-1851.	4.9	80
124	Study of Battery Voltage Behavior Under Loading and Charging Conditions Using 3DFEM. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	0
125	Condition Monitoring of Electric Components Using 3-D Printed Multiple Magnetic Coil Antennas. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	3
126	Impact of Inter-Turn Short-Circuit Location on Induction Machines Parameters Through FE Computations. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	25



#	ARTICLE	IF	CITATIONS
127	Hierarchical control for DC microgrid clusters with high penetration of distributed energy resources. <i>Electric Power Systems Research</i> , 2017, 148, 210-219.	3.6	38
128	Power Quality Improvements for Integration of Hybrid AC/DC Nanogrids to Power Systems. , 2017, , .		7
129	Decentralized Multi-Agent System for Protection and the Power Restoration Process in Microgrids. , 2017, , .		21
130	Coordinated Power Management for the Integration of Active Distribution Networks with High PV Penetration into the Medium Voltage Grid. , 2017, , .		9
131	Modeling and Assessment Analysis of Various Compensation Topologies in Bidirectional IWPT System for EV Applications. <i>IEEE Transactions on Industry Applications</i> , 2017, 53, 4973-4984.	4.9	64
132	AC Microgrid Control Using Adaptive Synchronous Reference Frame PLL. , 2017, , .		3
133	Vehicle side predictive power-flow control of bidirectional WPT system for EV ancillary services. , 2017, , .		9
134	Adaptive real-time congestion management in smart power systems using a real-time hybrid optimization algorithm. <i>Electric Power Systems Research</i> , 2017, 150, 118-128.	3.6	35
135	Adaline and Recursive Least Square Error Based Techniques for Submodule Voltage Monitoring for the Cascaded High Frequency AC Link System. , 2017, , .		2
136	Fuzzy logic-based autonomous controller for electric vehicles charging under different conditions in residential distribution systems. <i>Electric Power Systems Research</i> , 2017, 148, 48-58.	3.6	40
137	Modeling and Feasibility Analysis of Quasi-Dynamic WPT System for EV Applications. <i>IEEE Transactions on Transportation Electrification</i> , 2017, 3, 343-353.	7.8	84
138	Experimental Validation of Comprehensive Steady-State Analytical Model of Bidirectional WPT System in EVs Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 5584-5594.	6.3	71
139	Deployment of electric vehicles in an adaptive protection technique for riding through cyber attack threats in microgrids. , 2017, , .		11
140	DC-BUS voltage ripple minimization of distributed DC-DC converters based on phase shifting theory. , 2017, , .		1
141	A multi-level bi-directional buck-boost converter using GaN devices for electric vehicle applications. , 2017, , .		14
142	A quasi-resonant bi-directional buck-boost converter for Electric Vehicle applications. , 2017, , .		9
143	Optimal sizing of inverters and energy storage for power oscillation limiting in grid connected large scale Electric Vehicle park with renewable energy. , 2017, , .		12
144	Stator winding inter-turn fault in induction machines: Complex-vector transient and steady-state modelling. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
145	On the adaptive protection of microgrids: A review on how to mitigate cyber attacks and communication failures. , 2017, , .		25
146	Coordinated control for the integration of a large scale electric vehicle park with PV into the MV grid. , 2017, , .		13
147	A Survey on Smart Grid Cyber-Physical System Testbeds. IEEE Communications Surveys and Tutorials, 2017, 19, 446-464.	39.4	281
148	Behavior Modeling and Auction Architecture of Networked Microgrids for Frequency Support. IEEE Transactions on Industrial Informatics, 2017, 13, 1772-1782.	11.3	26
149	Protection of multi-terminal and distributed DC systems: Design challenges and techniques. Electric Power Systems Research, 2017, 143, 715-727.	3.6	68
150	Design and Hardware Implementation of FL-MPPT Control of PV Systems Based on GA and Small-Signal Analysis. IEEE Transactions on Sustainable Energy, 2017, 8, 279-290.	8.8	96
151	Control of a Hybrid AC/DC Microgrid Involving Energy Storage and Pulsed Loads. IEEE Transactions on Industry Applications, 2017, 53, 567-575.	4.9	138
152	Solving the Multivariant EV Routing Problem Incorporating V2G and G2V Options. IEEE Transactions on Transportation Electrification, 2017, 3, 238-248.	7.8	72
153	Complex-Vector Model of Interturn Failure in Induction Machines for Fault Detection and Identification. IEEE Transactions on Industry Applications, 2017, 53, 2667-2678.	4.9	30
154	An artificially intelligent physical model-checking approach to detect switching-related attacks on power systems. , 2017, , .		4
155	Cyber-air-gapped detection of controller attacks through physical interdependencies. , 2017, , .		1
156	Linear autonomous control of electric vehicles charging in distribution systems. , 2017, , .		2
157	Optimal real-time congestion management in power markets based on particle swarm optimization. , 2017, , .		5
158	A cascaded high frequency AC link system with reduced switch count and low-voltage ride-through capability for large-scale PV systems. , 2017, , .		3
159	A resonant Bi-directional buck-boost converter with distributed voltage stress using eGaN HEMTs. , 2017, , .		3
160	Breakdown voltage improvement and analysis of GaN HEMTs through field plate inclusion and substrate removal. , 2017, , .		8
161	Online false data detection and lost packet forecasting system using time series neural networks for IEC 61850 sampled measured values. , 2017, , .		9
162	Design and simulation issues for secure power networks as resilient smart grid infrastructure. , 2017, , 245-342.		6

#	ARTICLE	IF	CITATIONS
163	A targeted attack for enhancing resiliency of intelligent intrusion detection modules in energy cyber physical systems. , 2017, , .		12
164	Bi-layer multi-objective optimal allocation and sizing of electric vehicle parking garage. , 2017, , .		5
165	Utilization of supercapacitors in adaptive protection applications for resiliency against communication failures: A size and cost optimization case study. , 2017, , .		10
166	On the Implementation of the IEC 61850 Standard: Will Different Manufacturer Devices Behave Similarly under Identical Conditions?. Electronics (Switzerland), 2016, 5, 85.	3.1	23
167	Data Distribution Service-Based Interoperability Framework for Smart Grid Testbed Infrastructure. Energies, 2016, 9, 150.	3.1	20
168	Prioritized coordinated reactive power control of wind turbin involving STATCOM using multi-objective optimization. , 2016, , .		2
169	An integrated characterization model for the magnetic design of an EV charger's circular wireless power transfer pads. , 2016, , .		0
170	Predictive active power-flow control of two-way wireless power transfer system in V2G services. , 2016, , .		5
171	An Iterative Design Approach for Shielding of WPT Systems in Electric Vehicle Charging Applications. , 2016, , .		4
172	Steady-state performance assessment of different compensation topologies in two-way IWPT system for EV ancillary services. , 2016, , .		9
173	Physics-Based Co-Simulation Platform for EMC Analysis of Two-Way Inductive WPT System in EV Applications. , 2016, , .		1
174	EMI reduction of PMSM drive through matrix converter controlled with wide band gap switches. , 2016, , .		0
175	Impact of inter-turn short-circuit location on induction machines parameters through FE computations. , 2016, , .		2
176	Wireless power transfer for electric vehicle using an adaptive robot. , 2016, , .		0
177	Magnetic design considerations of bidirectional inductive wireless power transfer system for EV applications. , 2016, , .		1
178	Design considerations and predictive direct current control of Active Regenerative Rectifiers for harmonic and current ripple reduction. , 2016, , .		1
179	Physics-based FE model and analytical verification of bi-directional inductive wireless power transfer system. , 2016, , .		11
180	Adaptive Battery Management and Parameter Estimation Through Physics-Based Modeling and Experimental Verification. IEEE Transactions on Transportation Electrification, 2016, 2, 454-464.	7.8	47

#	ARTICLE	IF	CITATIONS
181	IEC 61850: Technology standards and cyber-threats. , 2016, , .		23
182	Optimal design of high frequency H-bridge inverter for wireless power transfer systems in EV applications. , 2016, , .		15
183	Hybrid energy storage management in ship power systems with multiple pulsed loads. Electric Power Systems Research, 2016, 141, 50-62.	3.6	56
184	An advanced real time energy management system for microgrids. Energy, 2016, 114, 742-752.	8.8	111
185	Advanced Battery Management & diagnostic system for smart grid infrastructure. , 2016, , .		7
186	Wireless Infrastructure in Industrial Control Systems. Advances in Information Security, 2016, , 29-49.	1.2	0
187	Real-time implementation of multiagent-based game theory reverse auction model for microgrid market operation. , 2016, , .		8
188	Management scheme for parallel connected hybrid energy storage in electric vehicles. , 2016, , .		0
189	Cloud communication for remote access smart grid testbeds. , 2016, , .		1
190	Pareto based optimal sizing and energy storage mix in ship power systems. , 2016, , .		10
191	Inter-turn short-circuit fault model for magnetically coupled circuits: A general study. , 2016, , .		4
192	Harmonics-based steady-state mathematical model of bidirectional inductive wireless power transfer system in V2G applications. , 2016, , .		10
193	Software defined networking for resilient communications in Smart Grid active distribution networks. , 2016, , .		28
194	A multi-agent based technique for fault location, isolation and service restoration. , 2016, , .		5
195	Condition monitoring of electric components using 3-D printed multiple magnetic coil antennas. , 2016, , .		0
196	Outcomes of prediabetes and undiscovered diabetes among patients with acute coronary syndrome. Journal of Taibah University Medical Sciences, 2016, 11, 359-363.	0.9	1
197	DC voltage ripple quantification for a flywheel-battery based Hybrid Energy Storage System. , 2016, , .		3
198	Modeling and Control of a Low-Speed Flywheel Driving System for Pulsed-Load Mitigation in DC Distribution Networks. IEEE Transactions on Industry Applications, 2016, 52, 3378-3387.	4.9	21

#	ARTICLE	IF	CITATIONS
199	A New Protection Scheme for Multi-Bus DC Power Systems Using an Event Classification Approach. IEEE Transactions on Industry Applications, 2016, 52, 2834-2842.	4.9	47
200	A time series pre-processing methodology with statistical and spectral analysis for classifying non-stationary stochastic biosignals. Journal of Supercomputing, 2016, 72, 3887-3908.	3.6	7
201	A Computational Approach for a Wireless Power Transfer Link Design Optimization Considering Electromagnetic Compatibility. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	17
202	Energy Storage Technologies for High-Power Applications. IEEE Transactions on Industry Applications, 2016, 52, 1953-1961.	4.9	295
203	Multiagent-based decentralized operation of microgrids considering data interoperability. , 2015, , .		15
204	Modeling and control of a low speed flywheel driving system for pulsed load mitigation in DC distribution networks. , 2015, , .		5
205	Improved estimation methods for lead acid utility arrays for microgrids. , 2015, , .		1
206	Aggregated active distribution networks for secondary control of islanded power systems. , 2015, , .		4
207	An intelligent multi agent framework for active distribution networks based on IEC 61850 and FIPA standards. , 2015, , .		9
208	Event-Based Protection Scheme for a Multiterminal Hybrid DC Power System. IEEE Transactions on Smart Grid, 2015, 6, 1658-1669.	9.0	83
209	Advanced Battery Management and Diagnostic System for Smart Grid Infrastructure. IEEE Transactions on Smart Grid, 2015, , 1-1.	9.0	40
210	Empirical Development of a Trusted Sensing Base for Power System Infrastructures. IEEE Transactions on Smart Grid, 2015, 6, 2454-2463.	9.0	10
211	DDS based interoperability framework for Smart Grid Testbed infrastructure. , 2015, , .		10
212	Dynamic space-vector model of induction machines with stator inter-turn short-circuit fault. , 2015, , .		11
213	Adaptive Transversal digital Filter for reference current detection in shunt active power filter. , 2015, , .		6
214	Direct torque control of permanent magnet synchronous machine using Sparse matrix converter with SiC switches. , 2015, , .		5
215	Optimizing power converter PCB design for lower EMI. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2015, 34, 1364-1380.	0.9	0
216	Efficient Power-Electronic Converters for Electric Vehicle Applications. , 2015, , .		29

#	ARTICLE	IF	CITATIONS
217	Electric machine drive design improvements through control and digital signal processing techniques. , 2015, , .		0
218	Guest editorial - Electric machines in renewable energy applications. IEEE Transactions on Energy Conversion, 2015, 30, 1609-1610.	5.2	5
219	Control of hybrid AC/DC microgrid involving energy storage, renewable energy and pulsed loads. , 2015, , .		28
220	Control parameters optimization for PM DC motor in photovoltaic applications. , 2015, , .		7
221	Power Flow Modeling of Wireless Power Transfer for EVs Charging and Discharging in V2G Applications. , 2015, , .		16
222	Performance evaluation of a wireless power transfer system using coupled 3D finite element-circuit model. , 2015, , .		0
223	Energy storage systems for high power applications. , 2015, , .		7
224	A new protection scheme for multi-bus DC power systems using an event classification approach. , 2015, , .		5
225	Real-Time Implementation of Multiagent-Based Game Theory Reverse Auction Model for Microgrid Market Operation. IEEE Transactions on Smart Grid, 2015, 6, 1064-1072.	9.0	142
226	Electric Machine Drive Design Improvements Through Control and Digital Signal Processing Techniques. IEEE Transactions on Energy Conversion, 2015, 30, 1255-1264.	5.2	1
227	Design and implementation of AC/DC active power load emulator. , 2015, , .		7
228	Design analysis of adaptive digital filter for reference current detection in active power filter. , 2015, , .		1
229	Performance Enhancement of Actively Controlled Hybrid DC Microgrid Incorporating Pulsed Load. IEEE Transactions on Industry Applications, 2015, 51, 3570-3578.	4.9	52
230	Hybrid DC Power System for Pulse Load Application: Design, Modeling and Operation. , 2015, , .		3
231	A comparative study on the optimal combination of hybrid energy storage system for ship power systems. , 2015, , .		15
232	Guest Editorial Optimal Design of Electric Machines. IEEE Transactions on Energy Conversion, 2015, 30, 1143-1143.	5.2	10
233	Frequency and voltage control of microgrids upon unintentional cascading islanding. , 2015, , .		15
234	Microgrid automation assisted by synchrophasors. , 2015, , .		17

#	ARTICLE	IF	CITATIONS
235	DC microgrids and distribution systems: An overview. Electric Power Systems Research, 2015, 119, 407-417.	3.6	429
236	Adaptive Energy Management in Redundant Hybrid DC Microgrid for Pulse Load Mitigation. IEEE Transactions on Smart Grid, 2015, 6, 54-62.	9.0	92
237	Optimal renewable energy farm and energy storage sizing method for future hybrid power system. , 2014, , .		9
238	Condition monitoring of electrical machines for extreme environments using electromagnetic stray fields. , 2014, , .		4
239	Power quality enhancement for nonlinear unbalanced loads through improved active power filter control. , 2014, , .		5
240	Economic Analysis of Real-Time Large-Scale PEVs Network Power Flow Control Algorithm With the Consideration of V2G Services. IEEE Transactions on Industry Applications, 2014, 50, 4272-4280.	4.9	38
241	Performance enhancement of actively controlled hybrid DC microgrid with pulsed load. , 2014, , .		7
242	Fault detection and compensation for a PV system grid tie inverter. , 2014, , .		6
243	Experimental study on the effects of the pulse load characteristics on the performance of the slack bus generator. , 2014, , .		2
244	Optimized-fuzzy MPPT controller using GA for stand-alone photovoltaic water pumping system. , 2014, , .		15
245	Distributed Flywheel Energy Storage Systems for mitigating the effects of pulsed loads. , 2014, , .		10
246	A multi-physics multi-objective optimal design approach of PM synchronous machines. , 2014, , .		17
247	Comparative analysis of energy control techniques for DC microgrid and pulsed power load applications. , 2014, , .		7
248	Development of high performance improved technique for grid synchronization of WECS. , 2014, , .		0
249	Real-Time Operation and Harmonic Analysis of Isolated and Non-Isolated Hybrid DC Microgrid. IEEE Transactions on Industry Applications, 2014, 50, 2900-2909.	4.9	59
250	Electromagnetic Signature Study of a Power Converter Connected to an Electric Motor Drive. IEEE Transactions on Magnetics, 2014, 50, 201-204.	2.1	12
251	Real-Time Energy Management Algorithm for Plug-In Hybrid Electric Vehicle Charging Parks Involving Sustainable Energy. IEEE Transactions on Sustainable Energy, 2014, 5, 577-586.	8.8	288
252	Fuzzy logic based power and thermal management system design for multi-cell lithium-ion battery bank protection and operation. , 2014, , .		10

#	ARTICLE	IF	CITATIONS
253	Intelligent multi-objective control for improved integration of microgrids to power systems involving highly nonlinear local loads. , 2014, , .		3
254	Distributed control of hybrid AC-DC microgrid with solar energy, energy storage and critical load. , 2014, , .		23
255	Optimal Charging of Plug-in Electric Vehicles for a Car-Park Infrastructure. IEEE Transactions on Industry Applications, 2014, 50, 2323-2330.	4.9	141
256	Fault diagnosis of the asynchronous machines through magnetic signature analysis using finite-element method and neural networks. , 2014, , .		26
257	Improved design of controlled rectifier for reduced ripple resulting from integration of DC loads to AC systems. , 2014, , .		4
258	The Effect of Unbalance on the Cyclic Stresses of a Flexible Rotor Mounted on Oil-Film Bearings Using Finite Elements Technique (ANSYS). AL-Rafdain Engineering Journal (AREJ), 2014, 22, 34-43.	0.1	0
259	Connectivity and Bidirectional Energy Transfer in DC Microgrid Featuring Different Voltage Characteristics. , 2013, , .		21
260	Islanding detection using synchronized measurement in smart microgrids. , 2013, , .		19
261	A study on the efficient wireless sensor networks for operation monitoring and control in smart grid applications. , 2013, , .		10
262	A physics-based, dynamic electro-thermal model of silicon carbide power IGBT devices. , 2013, , .		15
263	Fault Diagnosis of the Asynchronous Machines Through Magnetic Signature Analysis Using Finite-Element Method and Neural Networks. IEEE Transactions on Energy Conversion, 2013, 28, 1064-1071.	5.2	44
264	TSB: Trusted sensing base for the power grid. , 2013, , .		2
265	HIL-based finite-element design optimization process for the computational prototyping of electric motor drives. , 2013, , .		0
266	3-D FE Wire Modeling and Analysis of Electromagnetic Signatures From Electric Power Drive Components and Systems. IEEE Transactions on Magnetics, 2013, 49, 1937-1940.	2.1	5
267	Coupled Field-Circuit Estimation of Operational Inductance in PM Synchronous Machines by a Real-Time Physics-Based Inductance Observer. IEEE Transactions on Magnetics, 2013, 49, 2283-2286.	2.1	12
268	Multi-dipole modeling of XLPE cable for electromagnetic field studies in large power systems. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2013, 33, 3-13.	0.9	1
269	Protection design and coordination of DC Distributed Power Systems Architectures. , 2013, , .		21
270	Condition monitoring of PM synchronous motor using high-frequency signal injection in low speed sensorless control algorithm. , 2013, , .		0



#	ARTICLE	IF	CITATIONS
271	Improving voltage profiles in the Dominican electricity network using Static VAR Compensators. , 2013, , .		2
272	DC microgrids and distribution systems: An overview. , 2013, , .		70
273	Laboratory-based smart power system, Part I: Design and system development. , 2013, , .		2
274	Demand side load control with smart meters. , 2013, , .		6
275	Real-time energy management scheme for hybrid renewable energy systems in smart grid applications. Electric Power Systems Research, 2013, 96, 133-143.	3.6	84
276	Physics-Based Modeling of Power Converters From Finite Element Electromagnetic Field Computations. IEEE Transactions on Magnetics, 2013, 49, 567-576.	2.1	27
277	Inter-Turn Fault Detection in PM Synchronous Machines by Physics-Based Back Electromotive Force Estimation. IEEE Transactions on Industrial Electronics, 2013, 60, 3472-3484.	7.9	139
278	Wide area monitoring and control for voltage assessment in smart grids with distributed generation. , 2013, , .		10
279	Analysis of Radiated EMI and Noise Propagation in Three-Phase Inverter System Operating Under Different Switching Patterns. IEEE Transactions on Magnetics, 2013, 49, 2213-2216.	2.1	21
280	Laboratory-based smart power system, Part II: Control, monitoring, and protection. , 2013, , .		1
281	Adaptive SRF-PLL with reconfigurable controller for Microgrid in grid-connected and stand-alone modes. , 2013, , .		21
282	Plug-in vehicles car park photovoltaic farm construction for cost and emission reductions. , 2013, , .		2
283	Real-time plug-in electric vehicles charging control for V2G frequency regulation. , 2013, , .		8
284	Increasing renewable penetration in the Saudi Arabia electricity system. , 2013, , .		0
285	A variable line filter for active and reactive power control through grid-tie-inverter as a dynamic VAR compensator for WECS. , 2013, , .		1
286	Identification of short-circuit location in induction motors using radiated electromagnetic field signatures. , 2013, , .		3
287	A wavelet filtering scheme for noise and vibration reduction in high-frequency signal injection-based sensorless control of PMSM at low speed. , 2013, , .		1
288	Simulation of digitalized power system using PMU and intelligent control. , 2013, , .		9

#	ARTICLE	IF	CITATIONS
289	A Generalized Equivalent Source Model of AC Electric Machines for Numerical Electromagnetic Field Signature Studies. IEEE Transactions on Magnetics, 2012, 48, 4440-4443.	2.1	5
290	Performance analysis of planar inductor based snubbing circuit on EMI effects generated by switching action in DC/DC Boost converter. , 2012, , .		1
291	Operation and protection of photovoltaic systems in hybrid AC/DC smart grids. , 2012, , .		12
292	LCL-filter-based bi-directional converter for connectivity of microgrids involving sustainable energy sources. , 2012, , .		3
293	Design of Physics-based EMF Observer for sensorless control of PM synchronous machines. , 2012, , .		0
294	Inter-turn fault detection in PM synchronous machines by physics-based EMF estimation. , 2012, , .		7
295	Real-time demagnetization assessment of PM synchronous machine. , 2012, , .		8
296	Implementation of real-time optimal power flow management system on hybrid AC/DC smart microgrid. , 2012, , .		11
297	Sensorless Control of PM Synchronous Machines by Physics-Based EMF Observer. IEEE Transactions on Energy Conversion, 2012, 27, 1009-1017.	5.2	22
298	Physics-Based Optimization of EMI Performance in Frequency Modulated Switch Mode Power Converters. , 2012, , .		0
299	Optimal charging of plug-in electric vehicles for a car park infrastructure. , 2012, , .		21
300	Demagnetization Control for Reliable Flux Weakening Control in PM Synchronous Machine. IEEE Transactions on Energy Conversion, 2012, 27, 1046-1055.	5.2	31
301	DC-bus voltage control technique for parallel-integrated permanent magnet wind generation systems. , 2012, , .		1
302	Laboratory-Based Smart Power System, Part I: Design and System Development. IEEE Transactions on Smart Grid, 2012, 3, 1394-1404.	9.0	193
303	Laboratory-Based Smart Power System, Part II: Control, Monitoring, and Protection. IEEE Transactions on Smart Grid, 2012, 3, 1405-1417.	9.0	146
304	Real-time power system analysis and security monitoring by WAMPAC systems. , 2012, , .		14
305	A Wavelet Filtering Scheme for Noise and Vibration Reduction in High-frequency Signal Injection-Based Sensorless Control of PMSM at Low Speed. IEEE Transactions on Energy Conversion, 2012, 27, 250-260.	5.2	48
306	HIL-Based Finite-Element Design Optimization Process for the Computational Prototyping of Electric Motor Drives. IEEE Transactions on Energy Conversion, 2012, 27, 737-746.	5.2	14

#	ARTICLE	IF	CITATIONS
307	Soft synchronization of dispersed generators to micro grids for smart grid applications. , 2012, , .		9
308	Real-Time Energy Management Algorithm for Mitigation of Pulse Loads in Hybrid Microgrids. IEEE Transactions on Smart Grid, 2012, 3, 1911-1922.	9.0	255
309	Protection of bi-directional AC-DC/DC-AC converter in hybrid AC/DC microgrids. , 2012, , .		15
310	Functional ON/OFF behavioral modeling of power IGBT using system identification methods. , 2012, , .		4
311	Demagnetization control for reliable flux weakening control in PM synchronous machine. , 2012, , .		2
312	Real-time load emulator for implementation of smart meter data for operational planning. , 2012, , .		3
313	Reactive power compensation in hybrid AC/DC Networks for Smart Grid applications. , 2012, , .		15
314	A novel grid-connected multi-input boost converter for HEVs: Design and implementation. , 2012, , .		4
315	Wide area measurement system for smart grid applications involving hybrid energy sources. Energy Systems, 2012, 3, 3-21.	3.0	14
316	Control enhancement of power conditioning units for high quality PV systems. Electric Power Systems Research, 2012, 90, 30-41.	3.6	9
317	Optimum Equivalent Models of Multi-Source Systems for the Study of Electromagnetic Signatures and Radiated Emissions From Electric Drives. IEEE Transactions on Magnetics, 2012, 48, 1011-1014.	2.1	8
318	An equivalent source model for the study of radiated electromagnetic fields in multi-machine electric drive systems. , 2011, , .		5
319	Connectivity of DC microgrids involving sustainable energy sources. , 2011, , .		4
320	Real-time voltage stability monitoring and evaluation using synchrophasors. , 2011, , .		9
321	High-quality integration of fuel cells energy into electric grids. , 2011, , .		5
322	Smart vector-decoupling control of three phase rectifiers for grid connectivity of sustainable energy sources. , 2011, , .		1
323	DC-Bus Voltage Control Technique for Parallel-Integrated Permanent Magnet Wind Generation Systems. IEEE Transactions on Energy Conversion, 2011, 26, 1140-1150.	5.2	25
324	Design and implementation of dc-bus system module for parallel integrated sustainable energy conversion systems. , 2011, , .		5

#	ARTICLE	IF	CITATIONS
325	Grid connected DC distribution system for efficient integration of sustainable energy sources. , 2011, , .		10
326	Integration of sustainable energy sources into DC zonal electric distribution systems. , 2011, , .		6
327	Bi-directional AC-DC/DC-AC converter for power sharing of hybrid AC/DC systems. , 2011, , .		46
328	DC-bus voltage control for hybrid 4-port high frequency parallel-connected sustainable energy conversion system. , 2011, , .		2
329	A three-phase high frequency semi-controlled battery charging power converter for plug-in hybrid electric vehicles. , 2011, , .		5
330	Smart optimal control of DC-DC boost converter for intelligent PV systems. , 2011, , .		7
331	Development of transient FE-physics-based model of induction for real time integrated drive simulations. , 2011, , .		5
332	Development and implementation of a phasor measurement unit for real-time monitoring, control and protection of power systems. , 2011, , .		24
333	Developing virtual protection system for control and self-healing of power system. , 2011, , .		8
334	Development of a grid-connected wind generation system utilizing high frequency-based three-phase semicontrolled rectifier-current source inverter. , 2011, , .		8
335	Inter-turn fault modeling of a variable speed pm wind generator using physics-based approach. , 2011, , .		15
336	Real-time analysis for developed laboratory-based smart micro grid. , 2011, , .		14
337	Smart Operation for AC Distribution Infrastructure Involving Hybrid Renewable Energy Sources. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13679-13684.	0.4	1
338	Development of a Wide Area Measurement System for Smart Grid Applications. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1672-1677.	0.4	6
339	Development of High-Performance Grid-Connected Wind Energy Conversion System for Optimum Utilization of Variable Speed Wind Turbines. IEEE Transactions on Sustainable Energy, 2011, 2, 235-245.	8.8	53
340	Multiobjective Design Optimization of Coupled PM Synchronous Motor-Drive Using Physics-Based Modeling Approach. IEEE Transactions on Magnetics, 2011, 47, 1266-1269.	2.1	22
341	Evaluation of Radiated Electromagnetic Field Interference Due to Frequency Switching in PWM Motor Drives by 3D Finite Elements. IEEE Transactions on Magnetics, 2011, 47, 1474-1477.	2.1	26
342	Message from the Editorial Board Chairman. IEEE Transactions on Magnetics, 2011, 47, 862-862.	2.1	0

#	ARTICLE	IF	CITATIONS
343	Frequency-Dependent Coupled Field-Circuit Modeling of Armored Power Cables Using Finite Elements. IEEE Transactions on Magnetics, 2011, 47, 930-933.	2.1	9
344	Design of planar inductor based Z-source inverter for residential alternate energy sources. , 2011, , .		3
345	Artificial neural network and non-linear models for prediction of transformer oil residual operating time. Electric Power Systems Research, 2011, 81, 219-227.	3.6	13
346	A digital signal controller for high frequency-based grid-tie inverter connected to wind emulator system: Design and implementation. , 2011, , .		3
347	A wavelet based multi-resolution controller for sensorless position control of PM synchronous motors at low speed. , 2011, , .		5
348	Online gain scheduling of multi-resolution Wavelet-based controller for acoustic noise and vibration reduction in sensorless control of PM-synchronous motor at low speed. , 2011, , .		4
349	A Three-Phase High Frequency Semi-Controlled Battery Charging Power Converter for Plug-In Hybrid Electric Vehicles. Journal of Power Electronics, 2011, 11, 490-498.	1.5	3
350	Effects of different switching algorithms on the thermal behavior of IGBT modules under pulse-load conditions. , 2010, , .		6
351	Physics-Based High-Frequency Transformer Modeling by Finite Elements. IEEE Transactions on Magnetics, 2010, 46, 3249-3252.	2.1	49
352	FE-Circuit Coupled Model of Electric Machines for Simulation and Evaluation of EMI Issues in Motor Drives. IEEE Transactions on Magnetics, 2010, 46, 3389-3392.	2.1	32
353	A Study on the effect of PM machine design parameters changes on performance measures. , 2010, , .		0
354	Enhancing loading limitations in PV systems. , 2010, , .		0
355	Optimal load coordination in a hybrid bi-axis drive system using genetic algorithm. , 2010, , .		0
356	A message from IEEE CEFC 2010 Editorial Board chair and the CEFC international steering committee chair. , 2010, , .		0
357	Evaluation of radiated Electromagnetic Field Interference due to frequency switching in PWM motor drives by 3D finite elements. , 2010, , .		3
358	DC bus voltage control for PV sources in a DC distribution system infrastructure. , 2010, , .		13
359	Power flow control in DC distribution systems. , 2010, , .		10
360	Smart power flow control in DC distribution systems involving sustainable energy sources. , 2010, , .		8

#	ARTICLE	IF	CITATIONS
361	A dc-bus voltage regulation for parallel wind-based synchronous generators. , 2010, , .		6
362	Software Phase Locked Loop technique for grid-connected wind energy conversion systems. , 2010, , .		11
363	A laboratory based microgrid and distributed generation infrastructure for studying connectivity issues to operational power systems. , 2010, , .		25
364	Power quality improvement of grid-connected wind energy conversion system for optimum utilization of variable speed wind turbines. , 2010, , .		4
365	Vector oriented control of voltage source PWM inverter as a dynamic VAR compensator for wind energy conversion system connected to utility grid. , 2010, , .		20
366	Reactive power compensation control for stand-alone synchronous generator-based wind energy conversion system. , 2010, , .		8
367	Smart optimal control of DC-DC boost converter in PV systems. , 2010, , .		20
368	Inter-turn fault diagnosis of PM synchronous generator for variable speed wind applications using floating-space-vector. , 2010, , .		3
369	Hybrid GA-PSO multi-objective design optimization of coupled PM synchronous motor-drive using physics-based modeling approach. , 2010, , .		5
370	Pulse-load effects on ship power system stability. , 2010, , .		34
371	DC-bus voltage control of three-phase PWM converters connected to wind powered induction generator. , 2010, , .		4
372	Improved physics-based permanent magnet synchronous machine model obtained from field computation. , 2009, , .		5
373	Parameter optimization for sensorless position and speed control of permanent magnet motor at low speed using genetic algorithm. , 2009, , .		6
374	Equivalent Hardware Representation of PM Synchronous Motors From the Physics-Based Phase Variable Model Obtained Through FE Computation. IEEE Transactions on Magnetics, 2009, 45, 1450-1453.	2.1	9
375	Wavelet filtering for position estimation of permanent magnet machine in carrier signal injection based sensorless control. , 2009, , .		1
376	Gradient descent based optimization for position and speed estimation of permanent magnet synchronous motor at low speed. , 2009, , .		2
377	Neural network based modeling of audible noise for high frequency injection based position estimation for PM synchronous motors at low and zero speed. , 2009, , .		6
378	Real-time simulation of electric machine drives with hardware-in-the-loop. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2008, 27, 929-938.	0.9	12

#	ARTICLE	IF	CITATIONS
379	Experimental real-time voltage and frequency controllers for a synchronous generator implemented in a laboratory power system test-bed. , 2008, , .		0
380	Equivalent hardware representation of pm synchronous machines realized by a physics-based machine model for hardware-in-the-loop simulation applications. , 2008, , .		8
381	HIL simulation of machine drives utilizing the physics-based phase variable model of machines. , 2008, , .		2
382	A Novel Direct Torque Control Strategy for Doubly-Fed Wound Rotor Induction Machines. , 2007, , .		2
383	Real-Time Simulations of Electrical Machine Drives with Hardware-in-the-Loop. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	19
384	Secure Power Grid Infrastructure Simulation-Test System Creation and Telecommunication Network Implementation. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	3
385	Simultaneous Simulation of PM Machine Drive Using the Physics-Based Phase Variable Model and the Hardware-in-the-Loop Simulation Approach. , 2007, , .		0
386	Modeling and characterization of induction motor internal faults using finite element and discrete wavelet transforms. , 2007, , .		10
387	A Novel Direct Torque Control of Doubly-Fed Induction Generator Used for Variable Speed Wind Power Generation. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	24
388	High Frequency Modeling Of Permanent Magnet Synchronous Motor Drive. , 2007, , .		5
389	Effect of change in pole shape design on harmonic contents of PM synchronous motor air gap flux density waveform. , 2007, , .		0
390	High Frequency Modeling of PM Synchronous Machine for Use in Integrated Motor Drive. , 2007, , .		4
391	Characterization of transformer harmonic behavior using finite element analysis and discrete wavelet transforms. , 2007, , .		0
392	FE-based physical phase variable model of PM synchronous machines under stator winding short circuit faults. IET Science, Measurement and Technology, 2007, 1, 12-16.	1.6	15
393	Multichannel Blind Deconvolution Using a Generalized Gaussian Source Model. Mathematical and Computational Applications, 2007, 12, 1-9.	1.3	0
394	An Improved FE-Based Phase Variable Model of PM Synchronous Machines Including Dynamic Core Losses. IEEE Transactions on Magnetics, 2007, 43, 1801-1804.	2.1	11
395	A Practical Method for Building the FE-Based Phase Variable Model of Single Phase Transformers for Dynamic Simulations. IEEE Transactions on Magnetics, 2007, 43, 1761-1764.	2.1	11
396	Internal Short Circuit Fault Diagnosis for PM Machines Using FE-Based Phase Variable Model and Wavelets Analysis. IEEE Transactions on Magnetics, 2007, 43, 1729-1732.	2.1	83

#	ARTICLE	IF	CITATIONS
397	FE-Based Modeling of Single-Phase Distribution Transformers With Winding Short Circuit Faults. IEEE Transactions on Magnetics, 2007, 43, 1841-1844.	2.1	27
398	Modeling and Characterization of Transformers Internal Faults Using Finite Element and Discrete Wavelet Transforms. IEEE Transactions on Magnetics, 2007, 43, 1425-1428.	2.1	35
399	Message from the Conference Chair. IEEE Transactions on Magnetics, 2007, 43, 1149-1149.	2.1	1
400	Impact of interconnection photovoltaic/wind system with utility on their reliability using a fuzzy scheme. Renewable Energy, 2006, 31, 2475-2491.	8.9	30
401	High frequency PM synchronous motor model determined by FE analysis. IEEE Transactions on Magnetics, 2006, 42, 1291-1294.	2.1	53
402	Investigation of the harmonic behavior of three phase transformer under nonsinusoidal operation using finite element and wavelet packets. IEEE Transactions on Magnetics, 2006, 42, 967-970.	2.1	39
403	Finite-element-based nonlinear physical model of iron-core transformers for dynamic simulations. IEEE Transactions on Magnetics, 2006, 42, 1027-1030.	2.1	13
404	Modeling and Characterization of Induction Motor Internal Faults Using Finite-Element and Discrete Wavelet Transforms. IEEE Transactions on Magnetics, 2006, 42, 3434-3436.	2.1	102
405	FE-based physical phase variable models of electric machines and transformers for dynamic simulations. , 2006, , .		2
406	Modeling and characterization of induction motor internal faults using finite element and discrete wavelet transform. , 2006, , .		25
407	Electric machine operational modeling utilizing coupled electromagnetic and electric drives simulations. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2005, 24, 495-508.	0.9	1
408	A phase variable model of brushless dc motors based on finite element analysis and its coupling with external circuits. IEEE Transactions on Magnetics, 2005, 41, 1576-1579.	2.1	78
409	Physical modeling of PM synchronous motors for integrated coupling with Machine drives. IEEE Transactions on Magnetics, 2005, 41, 1628-1631.	2.1	83
410	A novel sensorless control strategy of doubly fed induction motor and its examination with the physical modeling of machines. IEEE Transactions on Magnetics, 2005, 41, 1852-1855.	2.1	47
411	Acoustic noise signal generation due to magnetostrictive effects in electrical equipment. , 2005, , .		2
412	Stator power factor adjustable direct torque control of doubly-fed induction machines. , 2005, , .		7
413	Physical phase variable models of electrical equipments and their applications in integrated drive simulation for shipboard power system. , 2005, , .		2
414	A novel sensorless control strategy of doubly-fed induction machines. , 2005, , .		8



#	ARTICLE	IF	CITATIONS
415	Study of High Frequency Model of Permanent Magnet Motor. , 2005, , .		7
416	Finite Element Based Transformer Operational Model for Dynamic Simulations. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2005, 1, 496-500.	0.4	1
417	Phase-variable model of PM synchronous machines for integrated motor drives. IET Science, Measurement and Technology, 2004, 151, 423-429.	0.7	32
418	Field-Oriented Vector Control of Synchronous Motors With Additional Field Winding. IEEE Transactions on Energy Conversion, 2004, 19, 95-101.	5.2	17
419	Physical phase variable model of PM synchronous machines for integrated motor drive applications. , 2004, , .		1
420	Numerical analysis of narrow-track single-pole-type head with side shields for 1 Tb/in.2. Journal of Applied Physics, 2003, 93, 7738-7740.	2.5	2
421	Coupled magnetoelastic finite element formulation including anisotropic reluctivity tensor and magnetostriction effects for machinery applications. IEEE Transactions on Magnetics, 2001, 37, 3388-3392.	2.1	48
422	Multi-objective genetic-fuzzy optimal design of PI controller in the indirect field oriented control of an induction motor. IEEE Transactions on Magnetics, 2001, 37, 3608-3612.	2.1	34
423	A multi-step method for 3-D nonlinear transient eddy current problems. IEEE Transactions on Magnetics, 2001, 37, 3194-3197.	2.1	3
424	A modified solution for large sparse symmetric linear systems in electromagnetic field analysis. IEEE Transactions on Magnetics, 2001, 37, 3494-3497.	2.1	14
425	On the creation of a generalized design optimization environment for electromagnetic devices. IEEE Transactions on Magnetics, 2001, 37, 3562-3565.	2.1	40
426	Parameters evaluation of ALA synchronous reluctance motor drives. IEEE Transactions on Magnetics, 2000, 36, 1950-1955.	2.1	11
427	A real-time electromagnetic analysis of electric machines for educational purposes and laboratory implementation. IEEE Transactions on Magnetics, 1998, 34, 3628-3631.	2.1	2
428	A hybrid technique for the optimal design of electromagnetic devices using direct search and genetic algorithms. IEEE Transactions on Magnetics, 1997, 33, 1931-1934.	2.1	58
429	Design optimization of a superferric octupole using various evolutionary and deterministic techniques. IEEE Transactions on Magnetics, 1997, 33, 1816-1821.	2.1	6
430	Ancillary techniques for the practical implementation of GAs to the optimal design of electromagnetic devices. IEEE Transactions on Magnetics, 1996, 32, 1194-1197.	2.1	22
431	Calculation of Additional Losses Caused by Feeding an Induction Motor from a Non-Sinusoidal Supply. International Journal of Electrical Engineering and Education, 1995, 32, 51-62.	0.8	0
432	Nonlinear shape design sensitivity analysis of magnetostatic problems using boundary element method. IEEE Transactions on Magnetics, 1995, 31, 1944-1947.	2.1	9

#	ARTICLE	IF	CITATIONS
433	Design optimization of electrical machines using genetic algorithms. IEEE Transactions on Magnetics, 1995, 31, 2008-2011.	2.1	75
434	Shape design optimization in non-linear magnetic problems using simulated annealing with complex strategy. IEEE Transactions on Magnetics, 1995, 31, 3569-3571.	2.1	6
435	Optimal transposition design of transformer windings by Genetic Algorithms. IEEE Transactions on Magnetics, 1995, 31, 3572-3574.	2.1	19
436	Practical experiences with an adaptive neural network short-term load forecasting system. IEEE Transactions on Power Systems, 1995, 10, 254-265.	6.5	123
437	Implementation of an adaptive neural network short-term electric load forecasting system in the energy control center. , 1994, , .		1
438	Optimum design of voice coil motor with constant torque coefficients using evolution strategy. Journal of Applied Physics, 1994, 75, 6045-6047.	2.5	5
439	A 3-D finite element mesh generator for complex volumes. IEEE Transactions on Magnetics, 1994, 30, 3539-3542.	2.1	3
440	Detection of magnetic body using artificial neural network with modified simulated annealing. IEEE Transactions on Magnetics, 1994, 30, 3644-3647.	2.1	26
441	An intelligent system for design optimization of electromagnetic devices. IEEE Transactions on Magnetics, 1994, 30, 3633-3636.	2.1	6
442	Utilizing genetic algorithms for the optimal design of electromagnetic devices. IEEE Transactions on Magnetics, 1994, 30, 4296-4298.	2.1	86
443	Detailed 2-D and 3-D finite element modeling of the human body for the evaluation of defibrillation fields. IEEE Transactions on Magnetics, 1993, 29, 1403-1406.	2.1	14
444	Utilizing Hopfield neural networks and an improved simulated annealing procedure for design optimization of electromagnetic devices. IEEE Transactions on Magnetics, 1993, 29, 2404-2406.	2.1	7
445	Design optimization of electromagnetic devices using artificial neural networks. IEEE Transactions on Magnetics, 1992, 28, 2805-2807.	2.1	46
446	Short-term load forecasting using an artificial neural network. IEEE Transactions on Power Systems, 1992, 7, 124-132.	6.5	452
447	A state space approach and formulation for the solution of nonlinear 3-D transient eddy current problems. IEEE Transactions on Magnetics, 1992, 28, 1111-1114.	2.1	7
448	A state space technique for the solution of nonlinear 3-D transient eddy current problems. IEEE Transactions on Magnetics, 1991, 27, 5220-5222.	2.1	1
449	3-D finite element time-varying fields and eddy currents in nonlinear thin steel channels. IEEE Transactions on Magnetics, 1991, 27, 4008-4011.	2.1	5
450	Analysis of rotating machine concepts in the energy conversion laborator from experimental data. IEEE Transactions on Power Systems, 1991, 6, 876-881.	6.5	5

#	ARTICLE	IF	CITATIONS
451	The ISP technique 3D electromagnetic and eddy current computations in general media. IEEE Transactions on Magnetics, 1990, 26, 1668-1670.	2.1	1
452	Calculations of potential distributions produced by implanted electrodes in a man model by finite elements. IEEE Transactions on Magnetics, 1990, 26, 1777-1779.	2.1	4
453	A dynamic programming-finite element procedure for the design of nonlinear magnetic devices. IEEE Transactions on Magnetics, 1990, 26, 666-669.	2.1	18
454	On the optimal prediction of nonlinear magnetic device geometries by finite element and dynamic programming. , 1989, , .		1
455	A finite element/superposition technique for the design of electromagnetically coupled coils. IEEE Transactions on Magnetics, 1989, 25, 3575-3577.	2.1	2
456	Improvements in RF monitoring system on generators. IEEE Transactions on Energy Conversion, 1989, 4, 237-243.	5.2	2
457	A listing of continuing education courses in electric power engineering-1988. IEEE Transactions on Power Systems, 1989, 4, 1263-1275.	6.5	0
458	An optimum finite element automatic grid generator for electromagnetic field computations. IEEE Transactions on Magnetics, 1988, 24, 3177-3179.	2.1	6
459	A miniature transformer/dc-dc converter for implantable medical devices. Journal of Applied Physics, 1988, 64, 5856-5858.	2.5	2
460	Evaluation of implantable telemetry system performance using the CCETS software. , 1988, , .		1
461	A new technique for transformer design in power electronics applications using nonlinear magnetic field solutions. , 1987, , .		4
462	An extremely fast technique for nonlinear three dimensional finite element magnetic field computations. IEEE Transactions on Magnetics, 1987, 23, 3575-3577.	2.1	11
463	Nonlinear Vector Potential Formulation and Experimental Verification of Newton-Raphson Solution of Three Dimensional Magnetostatic Fields in Electrical Devices. IEEE Transactions on Energy Conversion, 1986, EC-1, 177-185.	5.2	11
464	Forces on Conductor Segments and Magnetized Ferrous Cores using a Three Dimensional Finite Element Vector Potential Method. IEEE Transactions on Energy Conversion, 1986, EC-1, 109-117.	5.2	6
465	Forces on conductor segments and magnetized ferrous cores using a three-dimensional finite element vector potential method. IEEE Power Engineering Review, 1986, PER-6, 34-35.	0.1	0
466	Nonlinear Vector Potential Formulation and Experimental Verification of Newton-Raphson Solution of Three Dimensional Magnetostatic Fields in Electrical Devices. IEEE Power Engineering Review, 1986, PER-6, 45-45.	0.1	10
467	Electromagnetic field modeling of implantable telemetry systems. IEEE Transactions on Magnetics, 1985, 21, 2068-2070.	2.1	14
468	A 3-D finite element perturbational method for determining saturated values of transformer winding including experimental verification. IEEE Transactions on Magnetics, 1985, 21, 1877-1879.	2.1	14

#	ARTICLE	IF	CITATIONS
469	Validity of Finite Element Formulation and Solution of Three Dimensional Magnetostatic Problems in Electrical Devices with Applications to Transformers and Reactors. IEEE Transactions on Power Apparatus and Systems / Technical Operations Committee, 1984, PAS-103, 1846-1853.	0.4	11
470	Validity of Finite Element Formulation and Solution of Three Dimensional Magnetostatic Problems in Electrical Devices with Applications of Transformers and Reactors. IEEE Power Engineering Review, 1984, PER-4, 60-61.	0.1	0
471	Nonlinear three dimensional field computation methods in laminated iron cores under saturated conditions. IEEE Transactions on Magnetics, 1983, 19, 2091-2093.	2.1	7
472	On the uniqueness of solution of magnetostatic vector potential problems by three-dimensional finite element methods. Journal of Applied Physics, 1982, 53, 8402-8404.	2.5	18
473	Solution of Eddy Current Problems Using Three Dimensional Finite Element Complex Magnetic Vector Potential. IEEE Power Engineering Review, 1982, PER-2, 22-22.	0.1	0
474	Special Losses in Rotors of Electronically Commutated Brushless DC Motors Induced by Non-Uniformly Rotating Armature MMFS. IEEE Power Engineering Review, 1982, PER-2, 33-33.	0.1	3
475	Special Losses in Rotors of Electronically Commutated Brushless DC Motors Induced by Non-Uniformly Rotating Armature MMFS. IEEE Transactions on Power Apparatus and Systems / Technical Operations Committee, 1982, PAS-101, 4502-4507.	0.4	32
476	Solution of Eddy Current Problems Using Three Dimensional Finite Element Complex Magnetic Vector Potential. IEEE Transactions on Power Apparatus and Systems / Technical Operations Committee, 1982, PAS-101, 4222-4229.	0.4	20
477	Experimental Verification and Application of the Three Dimensional Finite Element Magnetic Vector Potential Method in Electrical Apparatus. IEEE Power Engineering Review, 1981, PER-1, 62-63.	0.1	0
478	Three Dimensional Finite Element Vector Potential Formulation of Magnetic Fields in Electrical Apparatus. IEEE Power Engineering Review, 1981, PER-1, 64-64.	0.1	0
479	Nonlinear three dimensional magnetic vector potential finite element solution of field problems including experimental verification. IEEE Transactions on Magnetics, 1981, 17, 3408-3410.	2.1	10
480	Three Dimensional Finite Element Vector Potential Formulation of Magnetic Fields in Electrical Apparatus. IEEE Transactions on Power Apparatus and Systems / Technical Operations Committee, 1981, PAS-100, 4104-4111.	0.4	69
481	Experimental Verification and Application of the Three Dimensional Finite Element Magnetic Vector Potential Method in Electrical Apparatus. IEEE Transactions on Power Apparatus and Systems / Technical Operations Committee, 1981, PAS-100, 4112-4122.	0.4	25
482	A miniature DC-DC converter for medical implants. , 0, , .		0
483	Fast solution techniques in 3D electromagnetic field problems. , 0, , .		3
484	An inverse technique for the design of electromagnetic devices. , 0, , .		1
485	Automatic finite element grid generation in electromagnetics. , 0, , .		1
486	An electrostatic coupler for radio frequency monitoring on generators. , 0, , .		0

#	ARTICLE	IF	CITATIONS
487	On the use of finite elements and dynamic programming for prediction of electromagnetic device geometries. , 0, , .		1
488	An optimum finite element grid generator for triangulating rotating and fixed objects in electromagnetics. , 0, , .		2
489	A performance evaluation software for medical telemetry systems. , 0, , .		0
490	3-D finite element grid generation in electromagnetics. , 0, , .		1
491	Implanted Electrodes Potential Distribution In A Man Model. , 0, , .		1
492	A computer controlled energy conversion laboratory for electrical engineering students. , 0, , .		1
493	A state space modular approach and software for power electronics applications. , 0, , .		0
494	A correlation based associative memory. , 0, , .		0
495	Determination of implanted electrode potential distributions in a man model. , 0, , .		0
496	An adaptively trainable neural network algorithm and its application to electric load forecasting. , 0, , .		7
497	Optimal design of nonlinear magnetic circuits by finite elements and a dynamic programming approach. , 0, , .		0
498	Artificial neural network based electric peak load forecasting. , 0, , .		3
499	Finite Element Modeling Of Man For The Evaluation Of Implanted Electrodes. , 0, , .		1
500	A new iterative scalar potential method for 3D eddy current calculations in electrical devices. , 0, , .		0
501	Steady state and harmonic analysis of DOIG operating with WECS. , 0, , .		0
502	A New Method for the Optimal Design of Electromagnetic Devices. , 0, , .		0
503	Comparison of two techniques for the solution of the 3-D nonlinear transient eddy current problem. , 0, , .		0
504	Load curve shaping using neural networks. , 0, , .		6

#	ARTICLE	IF	CITATIONS
505	Forecasting abnormal load conditions with neural networks. , 0, , .		4
506	Design optimization of geometric boundaries in electromagnetic devices by artificial neural networks. , 0, , .		0
507	Design optimization of electromagnetic devices using shape design sensitivity analysis. , 0, , .		0
508	Utilizing genetic algorithms for the optimal design of electromagnetic devices. , 0, , .		0
509	Practical issues in the application of genetic algorithms to optimal design problems in electromagnetics. , 0, , .		3
510	International harmonization of standards [for electric machines]. , 0, , .		0
511	A real-time experimental-analysis system for the undergraduate electric energy laboratory. , 0, , .		0
512	GA optimization in electrical devices. , 0, , .		3
513	GA optimization in electric machines. , 0, , .		6
514	A real-time electromagnetic field analysis system for the energy conversion laboratory. , 0, , .		2
515	Computer based simulation for optimizing overvoltage protective devices for low voltage applications. , 0, , .		0
516	Evaluation of a hybrid surge testing generator configuration using computer based simulations. , 0, , .		2
517	A model for magnetostriction in coupled nonlinear finite element magneto-elastic problems in electrical machines. , 0, , .		8
518	An implementation of a real-time experimental/analysis system for the energy conversion laboratory. , 0, , .		1
519	An interactive real-time electromagnetic field analysis system for educational purposes. , 0, , .		0
520	Selection of varistor for surge protection purposes based on their voltage-current characteristic. , 0, , .		6
521	Coupled magnetoelastic finite element formulation of anisotropic magnetostatic problems. , 0, , .		2
522	Hardware implementation of a real-time electromagnetic field analysis system for engineering education. , 0, , .		0

#	ARTICLE	IF	CITATIONS
523	Numerical prediction of magnetostrictive behavior in non-oriented electrical steel sheets. , 0, , .		5
524	Computation of transient magneto-mechanical problems in electrical machines. , 0, , .		1
525	Transient modeling of coupled magnetoelastic problems in electric machines. , 0, , .		9
526	Recording field analysis of narrow-track SPT head with side-shields. , 0, , .		2
527	FEM analysis and testing of magnetostrictive effects in electrical samples for machinery applications. , 0, , .		1
528	Study of the Inverse Magnetostriction Effect on Machine Deformation. , 0, , .		1
529	Study the optimal operation of electric PV/B/D generation system by neural network. , 0, , .		2
530	Hardware Implementation of a Real-Time Electromagnetic Field Analysis System for Engineering Educational Purposes. , 0, , .		0
531	Effect of Increasing Pole Number on the Harmonic Content of Air-gap Flux Density Waveforms in Electric Machines. , 0, , .		0
532	A phase variable PM machine model for integrated motor drive systems. , 0, , .		10
533	Numerical analysis of magnetostrictive effects in an electrical steel sample including experimental testing. , 0, , .		0
534	Computer modeling and simulation of wind energy system connected to utility grid. , 0, , .		0
535	Physical modeling of electric machines for motor drive system simulation. , 0, , .		6
536	Acoustic Noise Signal Evaluation Due to Magnetostrictive Effects in Electrical Equipment. , 0, , .		0
537	Coupled Physical Modeling of Power Cables Supplying Non-Linear Loads Using Finite Element Method. , 0, , .		4
538	Innovations in teaching energy systems utilizing an integrated simulation environment. , 0, , .		2
539	Harmonic Analysis of Induction Motor Flux Density Waveform Using Wavelets in Speed Control Application. , 0, , .		0
540	An FE-based Physical Phase Variable Model for PM Synchronous Machines Including Dynamic Core Losses. , 0, , .		0

#	ARTICLE	IF	CITATIONS
541	Modeling and Characterization of Transformers Internal Faults using Finite Elements and Discrete Wavelet Transforms. , 0, , .		0
542	Application of Finite Elements to High Frequency Transformer Modeling. , 0, , .		2
543	FE-based Modeling of Single Phase Distribution Transformers With Internal Winding Short Circuit Faults. , 0, , .		1
544	Smart Control of Power Electronic Converters in Photovoltaic Systems. , 0, , .		0
545	Educational Experiments in Renewable Energy Analysis, Forecasting, and Management in Hybrid Power System. , 0, , .		4
546	Implementation of Laboratory-Based Smart Power System. , 0, , .		0