

Yilmaz Sozer

List of Publications by Year in descending order

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282
papers

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126708

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282
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times ranked

2917
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic Noise Mitigation of Switched Reluctance Machines With Leaf Springs. IEEE Transactions on Industrial Electronics, 2023, 70, 1250-1260.	5.2	1
2	Acoustic Noise Mitigation in High Pole Count Switched Reluctance Machines Utilizing Skewing Method on Stator and Rotor Poles. IEEE Transactions on Industrial Electronics, 2022, 69, 5581-5593.	5.2	20
3	Multiphysics Analysis to Effectively Evaluate Thermal Performance of Liquid-Cooled Electric Machines. IEEE Transactions on Industry Applications, 2022, 58, 3424-3433.	3.3	2
4	Sensitivity Analysis Based NVH Optimization in Permanent Magnet Synchronous Machines Using Lumped Unit Force Response. IEEE Transactions on Industry Applications, 2022, 58, 3533-3544.	3.3	6
5	Dynamic Interleaving Method to Reduce DC-link Ripple for Asymmetric Dual Three-Phase Permanent Magnet Synchronous Machine Drives. , 2022, , .		2
6	DC-Link Current Ripple Reduction in Switched Reluctance Machine Drives. IEEE Transactions on Industry Applications, 2021, 57, 1429-1439.	3.3	5
7	A Novel Differential Power Processing Architecture for a Partially Shaded PV String Using Distributed Control. IEEE Transactions on Industry Applications, 2021, 57, 1725-1735.	3.3	22
8	Reliable Islanded Microgrid Operation Using Dynamic Optimal Power Management. IEEE Transactions on Industry Applications, 2021, 57, 1755-1766.	3.3	19
9	Comparison of Electric Machine Types for Electrically Driven Engine Accessories Using Multiphysics Simulation Tools. IEEE Transactions on Industry Applications, 2021, 57, 1399-1410.	3.3	10
10	Mobile Edge Computing Sensors and Cloud Machine Learning Advance Grid Predictive Maintenance. , 2021, , .		2
11	Experimental Verification of Acoustic Noise and Radial Force Sum Variation in Switched Reluctance Motor. IEEE Transactions on Industry Applications, 2021, 57, 2481-2493.	3.3	21
12	Cost Optimization of an Opportunity Charging Bus Network. IEEE Transactions on Industry Applications, 2021, 57, 2850-2858.	3.3	3
13	Adaptive Line Impedance Estimation Algorithm for DC Microgrid Systems. , 2021, , .		1
14	Axial Flux Interior Permanent Magnet Motor with a Novel Symmetric Flux Barrier. , 2021, , .		0
15	Analysis, Design, and Comparison of V2V Chargers for Flexible Grid Integration. IEEE Transactions on Industry Applications, 2021, 57, 4143-4154.	3.3	19
16	Wide Speed Range Noise and Vibration Mitigation in Switched Reluctance Machines With Stator Pole Bridges. IEEE Transactions on Power Electronics, 2021, 36, 9300-9311.	5.4	25
17	A Center of Mass Determination for Optimum Placement of Renewable Energy Sources in Microgrids. IEEE Transactions on Industry Applications, 2021, 57, 5274-5284.	3.3	9
18	State-of-Charge Balancing Control for Modular Battery System With Output DC Bus Regulation. IEEE Transactions on Transportation Electrification, 2021, 7, 2181-2193.	5.3	15

#	ARTICLE	IF	CITATIONS
19	Design Optimization and Performance Analysis of Bifilar Wound Switched Reluctance Motor. , 2021, , .		1
20	Model Reference Adaptive Current Control Method for Dual Three Phase Permanent Magnet Synchronous Machine. , 2021, , .		0
21	Fleet Speed Profile Optimization for Autonomous and Connected Vehicles. , 2021, , .		0
22	Phase Collaborative Interleaving Method to Reduce DC-Link Current Ripple in Switched Reluctance Machine Drive. , 2021, , .		3
23	Mechanical Performance of Transverse Flux Machines at High Speeds of Operation. , 2021, , .		0
24	Dominant Spatial Order Airgap Force Based Current Profiling Coupled with Fast Vibration Prediction in Switched Reluctance Machines for NVH Mitigation. , 2021, , .		1
25	Impact of Current Profiling For NVH Mitigation On Switched Reluctance Machine Drive Accessories. , 2021, , .		4
26	Phase Current Sensorless Control of Switched Reluctance Machines Using Dynamic Interleaving. , 2021, , .		0
27	Design and Comprehensive Performance Analysis of Transverse Flux and Axial Flux Topologies For Permanent Magnet Synchronous Machines. , 2021, , .		1
28	Direct Acceleration Harmonic Control with Current Harmonics Injection Method to Reduce Acoustic Noise and Vibration in Switched Reluctance Machines. , 2021, , .		3
29	A Novel High Frequency Impedance Analysis Method to Protect DC Electrical Railway Systems. IEEE Transactions on Industry Applications, 2020, 56, 669-677.	3.3	7
30	A Novel Fault-Tolerant Control Method for Interleaved DC-DC Converters Under Switch Fault Condition. IEEE Transactions on Industry Applications, 2020, 56, 519-526.	3.3	20
31	Adaptive Cell Balancing of Series Connected Batteries Using Hybrid Droop Controller. , 2020, , .		0
32	A Control Method for Smooth Transition from Motoring to Generating Modes in Switched Reluctance Machines. , 2020, , .		2
33	A Comprehensive Review of Permanent Magnet Transverse Flux Machines: Use in Direct-Drive Applications. IEEE Industry Applications Magazine, 2020, 26, 87-98.	0.3	7
34	Design of a 7.7 kW Three-Phase Wireless Charging System for Light Duty Vehicles based on Overlapping Windings. , 2020, , .		1
35	Impact of Damping material on Vibration Isolation in Switched Reluctance Machine. , 2020, , .		2
36	Design and Analysis of a High Saliency Transverse Flux Machine with a Novel Rotor Structure for Traction Applications. , 2020, , .		6

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37	Current Profile Optimization Method for Simultaneous DC-Link Current Ripple and Acoustic Noise Minimization in Switched Reluctance Machines. , 2020, , .		6
38	Direct Voltage Controller for SRMs in Achieving Torque Ripple Minimization over Wide Speed Range. , 2020, , .		0
39	Acoustic Noise Mitigation of Switched Reluctance Machines with Windows on Stator and Rotor Poles. IEEE Transactions on Industry Applications, 2020, , 1-1.	3.3	18
40	Improved Transient Power Sharing of Droop Controlled Islanded Microgrids. , 2020, , .		6
41	Low-loss and lightweight magnetic material for electrical machinery. IET Electric Power Applications, 2020, 14, 282-290.	1.1	2
42	Core Loss in Electric Machines. , 2020, , 175-210.		1
43	Axial Flux Machines. , 2020, , 301-336.		0
44	Using Mobile Edge-Computing Sensors to Avoid Power Outage Impacts on the Economy. , 2020, , .		1
45	Design Optimization of a Novel Axial Flux Ferrite Magnet Assisted Synchronous Reluctance Motor. , 2020, , .		3
46	A Novel Decentralized Adaptive Droop Control Technique for DC Microgrids Based on Integrated Load Condition Processing. , 2020, , .		10
47	Analysis of Radial Force Ripple with Sensor Errors and its Effect in NVH Performance for SRMs. , 2020, , .		1
48	High Frequency Signal Injection Method for Online Condition Monitoring of Electric Machines. , 2020, , .		1
49	NVH Performance of Direct Flux Controlled Switched Reluctance Machine. , 2020, , .		1
50	SiC Based Interleaved VSI Fed Transverse Flux Machine Drive for High Efficiency, Low EMI Noise and High Power Density Applications. , 2020, , .		3
51	Sensitivity Analysis Based NVH Performance Evaluation in Permanent Magnet Synchronous Machines using Lumped Unit Force Response. , 2020, , .		4
52	Multi-Physics Analysis to Effectively Evaluate Thermal Performance of Liquid-Cooled Electric Machines. , 2020, , .		1
53	Modeling and Analysis of Sensor Error Effects on DC-Link Current Ripple in Switched Reluctance Machine Drives. , 2020, , .		3
54	Wide Speed Range NVH Performance Optimization In Permanent Magnet Synchronous Machines for Automotive Application Using Vibration Synthesis. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
55	Design and Analysis of a Hook Shaped Stator Core with Ring Winding Transverse Flux Machine for Wind Turbine Applications. , 2020, , .		4
56	Reduction of Electromagnetic Interference (EMI) in Interleaved DC-DC Converters. , 2020, , .		2
57	Unified Control for Switched Reluctance Motors for Wide Speed Operation. IEEE Transactions on Industrial Electronics, 2019, 66, 3401-3411.	5.2	59
58	A Novel Battery Management System Using the Duality of the Adaptive Droop Control Theory. IEEE Transactions on Industry Applications, 2019, 55, 5078-5088.	3.3	21
59	Experimental and Simulation Based Study of Vibration Prediction in Fractional Slot Permanent Magnet Synchronous Machines. , 2019, , .		6
60	Si-Carbide based Interleaved Bi-Directional DC-DC Converter Design for High Power Density Fast Charging Station. , 2019, , .		5
61	Identifying Deteriorated or Contaminated Power System Components from RF Emissions. , 2019, , .		0
62	Mechanical Performance of Transverse Flux Machines. IEEE Transactions on Industry Applications, 2019, 55, 3716-3724.	3.3	10
63	A Novel DC Link Energy Shaping Process for Minimizing the Transient Frequency Variations in Microgrids. , 2019, , .		3
64	A Flexible V2V Charger as a New Layer of Vehicle-Grid Integration Framework. , 2019, , .		22
65	Analytical and Experimental Verification of Novel Current Waveforms for Noise Reduction in Switched Reluctance Motor. , 2019, , .		12
66	Comparison of Failure Modes, Effect Analysis and Reliability of Electric Machine Drives. , 2019, , .		2
67	A New Converter Topology for Switched Reluctance Machines to Improve High-Speed Performance. , 2019, , .		3
68	Phase Locked Loop Based Signal Processing Approach for the Health Monitoring of Power Systems through their RF Emissions. , 2019, , .		2
69	Enhanced Voltage Droop Control Strategy for DC Microgrid System with State Variable Feedback. , 2019, , .		0
70	Improved Transient Frequency Stabilization of Grid Feeding Distributed Generation Systems Using Active Damping Control. , 2019, , .		4
71	An Integrated State of Health (SOH) Balancing Method for Lithium-Ion Battery Cells. , 2019, , .		13
72	Current Harmonics Injection Method for Simultaneous Torque and Radial Force Ripple Mitigation to Reduce Acoustic Noise and Vibration in SRMs. , 2019, , .		16

#	ARTICLE	IF	CITATIONS
73	Radial Force Reduction in SRMs using Partial Teeth Insertion on Stator and Rotor Poles. , 2019, , .		0
74	CFD Based Design of an Impeller for a Novel Integrated Motor-Compressor System. , 2019, , .		4
75	Energy Harvesting from Moving Vehicles on Highways. , 2019, , .		13
76	Design of a Novel Axial Flux Permanent Magnet Assisted Synchronous Reluctance Motor. , 2019, , .		5
77	Aging Condition Assessment for Live XLPE-Type Cables through Precise High Frequency Impedance Phase Detection. , 2019, , .		2
78	Comparative Analysis of Static Eccentricity Faults of Double Stator Single Rotor Axial Flux Permanent Magnet Motors. , 2019, , .		10
79	Design and Analysis of an Axial Flux Doubly Fed Induction Generator for Wind Turbine Applications. , 2019, , .		5
80	Power Decoupling Technique for Reducing DC-Link Capacitor of Switched Reluctance Machine Drive. , 2019, , .		10
81	Fault Detection of Switch Mode Power Converters Based on Radiated EMI Analysis. , 2019, , .		3
82	Cogging Torque Minimization in Transverse Flux Machines. IEEE Transactions on Industry Applications, 2019, 55, 385-397.	3.3	33
83	Mechanical Analysis of Vibrations in a Switched Reluctance Motor Using Experimental, Numerical, and Analytical Methodologies. Journal of Vibration and Acoustics, Transactions of the ASME, 2019, 141, .	1.0	5
84	Reducing Ripple in Wind Power Systems: A Hybrid Method Formed Using Two Power Controllers. IEEE Industry Applications Magazine, 2019, 25, 23-35.	0.3	5
85	Core Loss Estimation in Electric Machines With Flux-Controlled Core Loss Tester. IEEE Transactions on Industry Applications, 2019, 55, 1299-1308.	3.3	15
86	Loss analysis of high speed switched reluctance machine with integrated simulation methods. International Journal of Applied Electromagnetics and Mechanics, 2018, 56, 479-497.	0.3	7
87	Design of a Modular E-Core Flux Concentrating Transverse Flux Machine. IEEE Transactions on Industry Applications, 2018, 54, 2115-2128.	3.3	26
88	Design of an axial-flux switch reluctance motor for a novel integrated motor-compressor system. , 2018, , .		1
89	A hybrid flyback LED driver with utility grid and renewable energy interface. , 2018, , .		3
90	Torque ripple minimization in SRMs at medium and high speeds using a multi-stator windings with a novel power converter. , 2018, , .		1

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91	Design Considerations of a Transverse Flux Machine for Direct-Drive Wind Turbine Applications. IEEE Transactions on Industry Applications, 2018, 54, 3604-3615.	3.3	32
92	Fault Diagnosis and Fault-Tolerant Control Operation of Nonisolated DC-DC Converters. IEEE Transactions on Industry Applications, 2018, 54, 310-320.	3.3	53
93	Interrelationships between electrical, mechanical and hydration properties of cortical bone. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 77, 12-23.	1.5	21
94	Comparison of Electrical Machine Types for Electrically Driven Engine Accessories Using Multiphysics Simulation Tools. , 2018, , .		4
95	Cost Optimization of an Opportunity Charging Bus Network. , 2018, , .		5
96	Magnetic Field Energy Harvester and Management Algorithm for Power Tower Sensors. , 2018, , .		2
97	Energy Harvesting from Overhead Transmission Line Magnetic fields. , 2018, , .		9
98	DC Input Current Ripple Minimization in Switched Reluctance Machine Drives. , 2018, , .		8
99	High-speed switched reluctance machine: natural frequency calculation and acoustic noise prediction. Turkish Journal of Electrical Engineering and Computer Sciences, 2018, 26, 999-1010.	0.9	7
100	The Direct Condition Assessment of Operating Low-Voltage Insulated Cables. , 2018, , .		3
101	Noise and Vibration Performance in Fractional Slot Permanent Magnet Synchronous Machines Using Stator Bridge. , 2018, , .		7
102	An Integrated Control Strategy for State of Charge Balancing with Output Voltage Control of a Series Connected Battery Management System. , 2018, , .		6
103	A Center of Mass Determination for the Optimum Placement and Deployment of the Renewable Energy Sources for Microgrids. , 2018, , .		0
104	Multiple Device Open Circuit Fault Diagnosis for T-Type Multilevel Inverters. , 2018, , .		7
105	Minimizing The Expected Energy Deficiency of A Distributed Generation System Using Dynamic Optimal Power Management. , 2018, , .		5
106	Effect of Pole Shaping on Cogging Torque, Torque Ripple and Vibrational Performance in Consequent Pole TFM. , 2018, , .		8
107	A Novel Differential Power Processing Architecture for a Partially Shaded PV String Using Distributed Control. , 2018, , .		3
108	Acoustic noise mitigation of switched reluctance machines with windows in both stator and rotor poles. , 2018, , .		4

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109	A complete small signal modelling and adaptive stability analysis of nonlinear droop-controlled microgrids. , 2018, , .		5
110	Extending the Speed Range of a Switched Reluctance Motor Using a Fast Demagnetizing Technique. IEEE Transactions on Industry Applications, 2018, 54, 3294-3304.	3.3	15
111	Performance Comparison of Short-Pitched and Fully Pitched Switched Reluctance Machines Over Wide Speed Operations. IEEE Transactions on Industry Applications, 2018, 54, 4278-4287.	3.3	14
112	Plug-and-Play Nonlinear Droop Construction Scheme to Optimize Islanded Microgrid Operations. IEEE Transactions on Power Electronics, 2017, 32, 2743-2756.	5.4	42
113	Maximum Torque per Ampere Control for Buried Magnet PMSM Based on DC-Link Power Measurement. IEEE Transactions on Power Electronics, 2017, 32, 1299-1311.	5.4	39
114	Optimized Settings of Droop Parameters Using Stochastic Load Modeling for Effective DC Microgrids Operation. IEEE Transactions on Industry Applications, 2017, 53, 1358-1371.	3.3	44
115	DC-Assisted Bipolar Switched Reluctance Machine. IEEE Transactions on Industry Applications, 2017, 53, 2098-2109.	3.3	12
116	Smart Loads Management Using Droop-Based Control in Integrated Microgrid Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 1142-1153.	3.7	37
117	Short circuit fault diagnosis for interleaved DC-DC converter using DC-link current emulator. , 2017, , .		19
118	Fault-tolerant operation of multilevel diode-clamped converters for a device open-circuit fault. , 2017, , .		0
119	Effect of distributed airgap in the stator for acoustic noise reduction in switched reluctance motors. , 2017, , .		7
120	Voltage error phase locked loop (PLL) based model adaptive sensorless vector control algorithm for induction motors. , 2017, , .		4
121	Multiple device open circuit fault diagnosis for neutral-point-clamped inverters. , 2017, , .		5
122	A novel protection scheme for DC electrical railway systems using high-frequency signal injection. , 2017, , .		2
123	Analytical Modeling of Mutually Coupled Switched Reluctance Machines Under Saturation Based on Design Geometry. IEEE Transactions on Industry Applications, 2017, 53, 4431-4440.	3.3	24
124	Power Flow Management of a Grid Tied PV-Battery System for Electric Vehicles Charging. IEEE Transactions on Industry Applications, 2017, 53, 1347-1357.	3.3	145
125	Real-Time High-Frequency Impedance Monitoring of Human Skin Through Magnetic Coupling. IEEE Sensors Journal, 2017, 17, 6167-6174.	2.4	0
126	Effects of windows in stator and rotor poles of switched reluctance motors in reducing noise and vibration. , 2017, , .		17

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127	Performance improvement of the delta-connected SRM driven by a standard three phase inverter. , 2017, , .		4
128	Continuous conduction operation for mutually coupled switched reluctance machines. , 2017, , .		2
129	Analytical modeling of a double-sided flux concentrating E-Core Transverse Flux Machine with pole windings. , 2017, , .		4
130	Measurement of Core Losses in Electrical Steel in the Saturation Region under DC Bias Conditions. IEEE Transactions on Industry Applications, 2017, 53, 88-96.	3.3	11
131	DC Railway System Emulator for Stray Current and Touch Voltage Prediction. IEEE Transactions on Industry Applications, 2017, 53, 439-446.	3.3	41
132	Comparison of axial flux machine performance with different rotor and stator configurations. , 2017, , .		13
133	Fault tolerant control method for interleaved DC-DC converters under open and short circuit switch faults. , 2017, , .		6
134	Mechanical and thermal performance of transverse flux machines. , 2017, , .		4
135	A comprehensive review of permanent magnet transverse flux machines for direct drive applications. , 2017, , .		15
136	Integrated Control of an IPM Motor Drive and a Novel Hybrid Energy Storage System for Electric Vehicles. IEEE Transactions on Industry Applications, 2017, 53, 5810-5819.	3.3	33
137	A novel battery management system using a duality of the adaptive droop control theory. , 2017, , .		9
138	Investigation of design based solutions to reduce vibration in permanent magnet synchronous machines with low order radial forces. , 2017, , .		7
139	Design of a novel interior permanent magnet axial flux machine. , 2017, , .		6
140	Stator design techniques to reduce vibration in permanent magnet synchronous machines. , 2017, , .		9
141	Differential power processing of photovoltaic systems for high energy capture and reduced cost. , 2017, , .		10
142	An effective DC microgrid operation using a line impedance regulator. , 2017, , .		3
143	Acoustic noise mitigation for high pole count switched reluctance machines through skewing method with multiphysics FEA simulations. , 2017, , .		15
144	A simple double mapping based SVPWM method for balancing dc-link capacitor voltages of five-level diode-clamped converters. , 2016, , .		3

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145	Fault diagnosis method for DC-DC converters based on the inductor current emulator. , 2016, , .		10
146	Cogging torque minimization in transverse flux machines. , 2016, , .		9
147	Integrated control of an IPM motor drive and hybrid energy storage system for electric vehicles. , 2016, , .		2
148	Direct power control of a doubly fed induction generator wind power system with seamless transition between stand-alone and grid-connected modes. , 2016, , .		2
149	Core loss estimation in electric machines with flux controlled core loss tester. , 2016, , .		2
150	Battery storage sizing for a grid tied PV system based on operating cost minimization. , 2016, , .		9
151	Design considerations of a transverse flux machine for direct-drive wind turbine applications. , 2016, , .		8
152	A novel three-phase multilevel diode-clamped inverter topology with reduced device count. , 2016, , .		3
153	Analytical model-based design optimization of a transverse flux machine. , 2016, , .		10
154	Extending the speed range of a switched reluctance motor using a fast demagnetizing technique. , 2016, , .		2
155	Power-line impedance modeling of tractor-trailer system. , 2016, , .		0
156	Performance comparison of short pitched and fully pitched switched reluctance machines. , 2016, , .		0
157	Effective control approach for multi-PVs based resonant converter through cross-switched structure. , 2016, , .		0
158	Bridgeless SEPIC PFC converter for low total harmonic distortion and high power factor. , 2016, , .		15
159	Transverse Flux Machines with rotary transformer concept for wide speed operations without using Permanent Magnet material. , 2016, , .		2
160	Design and implementation of a sinusoidal flux controller for core loss measurements. , 2016, , .		6
161	A non-intrusive system for measuring underground power utility cable impedance. , 2016, , .		5
162	Quasi-Z-source-based multilevel inverter for single phase PV applications. , 2016, , .		7

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163	Feeding partial power into line capacitors for low cost and efficient MPPT of photovoltaic strings. , 2016, , .		4
164	Design Methodology of a Switched Reluctance Machine for Off-Road Vehicle Applications. IEEE Transactions on Industry Applications, 2016, 52, 2138-2147.	3.3	47
165	Optimized Resource Management for PV&Fuel-Cell-Based Microgrids Using Load Characterizations. IEEE Transactions on Industry Applications, 2016, 52, 1723-1735.	3.3	32
166	A Novel Control for a Cascaded Buck&Boost PFC Converter Operating in Discontinuous Capacitor Voltage Mode. IEEE Transactions on Industrial Electronics, 2016, 63, 4198-4210.	5.2	59
167	Design and Implementation of a 75-kW Mobile Charging System for Electric Vehicles. IEEE Transactions on Industry Applications, 2016, 52, 369-377.	3.3	40
168	Flux-Weakening Control of Switched Reluctance Machines in Rotating Reference Frame. IEEE Transactions on Industry Applications, 2016, 52, 267-277.	3.3	23
169	A partial power processing of battery/ultra-Capacitor hybrid energy storage system for electric vehicles. , 2015, , .		8
170	Guidance in Selecting Advanced Control Techniques for Switched Reluctance Machine Drives in Emerging Applications. IEEE Transactions on Industry Applications, 2015, 51, 4505-4514.	3.3	57
171	Winding schemes for wide constant power range of double stator transverse flux machine. , 2015, , .		1
172	DC assisted bipolar switched reluctance machine. , 2015, , .		5
173	Modeling of mutually coupled switched reluctance motors for torque ripple minimization. , 2015, , .		7
174	Analytical modeling of mutually coupled switched reluctance machines under saturation based on design geometry. , 2015, , .		6
175	Optimized settings of droop parameters using stochastic load modeling for effective DC microgrids operation. , 2015, , .		3
176	Bridged-T voltage control of a high bandwidth SiC inverter for various output waveforms with/without DC Offset at wide range of frequencies. , 2015, , .		0
177	Analytical modeling of a novel transverse flux machine for direct drive wind turbine applications. , 2015, , .		22
178	Direct active and reactive power regulation of a DFIG wind power system with constant switching frequency and reduced ripple. , 2015, , .		3
179	Power flow management of a grid tied PV-battery powered fast electric vehicle charging station. , 2015, , .		20
180	DC railway system emulator for stray current and touch voltage prediction. , 2015, , .		2

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181	A new single switch bridgeless SEPIC PFC converter with low cost, low THD and high PF. , 2015, , .		5
182	Modeling and parameter estimation of split-single phase induction motors. IEEE Transactions on Industry Applications, 2015, , 1-1.	3.3	6
183	Low complexity structure and control for microinverters with reactive power support capability. , 2015, , .		1
184	Dual rotor mutually coupled switched reluctance machine for wide speed operating range. , 2015, , .		2
185	An Effective Smooth Transition Control Strategy Using Droop-Based Synchronization for Parallel Inverters. IEEE Transactions on Industry Applications, 2015, 51, 2443-2454.	3.3	85
186	Microgrid-Connected PV-Based Sources: A Novel Autonomous Control Method for Maintaining Maximum Power. IEEE Industry Applications Magazine, 2015, 21, 19-29.	0.3	38
187	Performance Analysis of Bidirectional DC-DC Converters for Electric Vehicles. IEEE Transactions on Industry Applications, 2015, 51, 3442-3452.	3.3	98
188	Efficient Single-Phase Harmonics Elimination Method for Microgrid Operations. IEEE Transactions on Industry Applications, 2015, 51, 3394-3403.	3.3	18
189	A Pulse-Injection-Based Sensorless Position Estimation Method for a Switched Reluctance Machine Over a Wide Speed Range. IEEE Transactions on Industry Applications, 2015, 51, 3867-3876.	3.3	106
190	Optimized Droop Control Parameters for Effective Load Sharing and Voltage Regulation in DC Microgrids. Electric Power Components and Systems, 2015, 43, 879-889.	1.0	26
191	Construction of Nonlinear Droop Relations to Optimize Islanded Microgrid Operation. IEEE Transactions on Industry Applications, 2015, 51, 3404-3413.	3.3	60
192	Power factor correction of LED drivers with third port energy storage. , 2015, , .		3
193	High power wide bandwidth inverter output filter design for various operating frequencies and diverse waveforms. , 2015, , .		0
194	Design of a modular E-Core flux concentrating axial flux machine. , 2015, , .		12
195	A novel sensing device for underground cable condition assessment. , 2015, , .		6
196	Measurement of core losses in electrical steel in the saturation region under DC bias conditions. , 2015, , .		7
197	Grid synchronization for a virtual direct power-controlled DFIG wind power system. , 2015, , .		2
198	Four-Quadrant Torque Ripple Minimization of Switched Reluctance Machine Through Current Profiling With Mitigation of Rotor Eccentricity Problem and Sensor Errors. IEEE Transactions on Industry Applications, 2015, 51, 2097-2104.	3.3	43

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199	Harmonics compensation and power factor improvement using LED driver. , 2014, , .		3
200	Modeling and parameter estimation of split — Single phase induction motors. , 2014, , .		1
201	Capacitor voltage balancing of a five-level diode-clamped converter using minimum loss SVPWM algorithm for wide range modulation indices. , 2014, , .		6
202	Torque ripple minimization of switched reluctance motors through speed signal processing. , 2014, , .		6
203	An effective smooth transition control strategy using droop based synchronization for parallel inverters. , 2014, , .		6
204	Design of a switched reluctance machine for off-road vehicle applications based on torque-speed curve optimization. , 2014, , .		6
205	Efficient Harmonic and Phase Estimator for Single-Phase Grid-Connected Renewable Energy Systems. IEEE Transactions on Industry Applications, 2014, 50, 620-630.	3.3	25
206	A Novel Load-Flow Analysis for Stable and Optimized Microgrid Operation. IEEE Transactions on Power Delivery, 2014, 29, 1709-1717.	2.9	81
207	Parallel Power Processing Topology for Solar PV Applications. IEEE Transactions on Industry Applications, 2014, 50, 1245-1255.	3.3	35
208	Non-isolated individual MPP trackers for series PV strings through partial current processing technique. , 2014, , .		2
209	Capacitor voltage balancing using minimum loss SVPWM for a five-level diode-clamped converter. , 2014, , .		3
210	Switched Reluctance Generator Control for Optimal Power Generation With Current Regulation. IEEE Transactions on Industry Applications, 2014, 50, 307-316.	3.3	44
211	Plug and play nonlinear droop construction scheme to optimize microgrid operations. , 2014, , .		0
212	Reliability and cost analysis of solar photovoltaic and fuel cell based microgrids. , 2014, , .		2
213	Modeling and Control Design of Microgrid-Connected PV-Based Sources. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2014, 2, 907-919.	3.7	52
214	A Bidirectional DCâ€“DC Converter With Overlapping Input and Output Voltage Ranges and Vehicle to Grid Energy Transfer Capability. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2014, 2, 507-516.	3.7	34
215	Maximum torque per ampere control for interior permanent magnet motors using DC link power measurement. , 2014, , .		11
216	Fast minimum loss space vector pulseâ€“width modulation algorithm for multilevel inverters. IET Power Electronics, 2014, 7, 1590-1602.	1.5	19

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