

Yilmaz Sozer

List of Publications by Year in descending order

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282
papers

4,022
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126708

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282
all docs

282
docs citations

282
times ranked

2917
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Torque-Ripple Minimization of Switched Reluctance Machines Through Current Profiling. IEEE Transactions on Industry Applications, 2013, 49, 1258-1267.	3.3	140
3	Modeling and Control of Utility Interactive Inverters. IEEE Transactions on Power Electronics, 2009, 24, 2475-2483.	5.4	107
4	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
5	A Fixed Switching Frequency Predictive Current Control Method for Switched Reluctance Machines. IEEE Transactions on Industry Applications, 2014, 50, 3717-3726.	3.3	104
6	Performance Analysis of Bidirectional DC-DC Converters for Electric Vehicles. IEEE Transactions on Industry Applications, 2015, 51, 3442-3452.	3.3	98
7	New inverter output filter topology for PWM motor drives. IEEE Transactions on Power Electronics, 2000, 15, 1007-1017.	5.4	90
8	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
9	A Novel Load-Flow Analysis for Stable and Optimized Microgrid Operation. IEEE Transactions on Power Delivery, 2014, 29, 1709-1717.	2.9	81
10	Stability Analysis of Maximum Power Point Tracking (MPPT) Method in Wind Power Systems. IEEE Transactions on Industry Applications, 2013, 49, 1129-1136.	3.3	77
11	Transition Control Strategy Between Standalone and Grid-Connected Operations of Voltage-Source Inverters. IEEE Transactions on Industry Applications, 2012, 48, 1516-1525.	3.3	74
12	Simulation Comparisons and Implementation of Induction Generator Wind Power Systems. IEEE Transactions on Industry Applications, 2013, 49, 1119-1128.	3.3	73
13	Switched Reluctance Generator Controls for Optimal Power Generation and Battery Charging. IEEE Transactions on Industry Applications, 2012, 48, 1452-1459.	3.3	68
14	Construction of Nonlinear Droop Relations to Optimize Islanded Microgrid Operation. IEEE Transactions on Industry Applications, 2015, 51, 3404-3413.	3.3	60
15	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
16	Unified Control for Switched Reluctance Motors for Wide Speed Operation. IEEE Transactions on Industrial Electronics, 2019, 66, 3401-3411.	5.2	59
17	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
18	Fault Diagnosis and Fault-Tolerant Control Operation of Nonisolated DC-DC Converters. IEEE Transactions on Industry Applications, 2018, 54, 310-320.	3.3	53

#	ARTICLE	IF	CITATIONS
19	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
20	Automatic control of excitation parameters for switched-reluctance motor drives. IEEE Transactions on Power Electronics, 2003, 18, 594-603.	5.4	51
21	Design Methodology of a Switched Reluctance Machine for Off-Road Vehicle Applications. IEEE Transactions on Industry Applications, 2016, 52, 2138-2147.	3.3	47
22	Switched Reluctance Generator Control for Optimal Power Generation With Current Regulation. IEEE Transactions on Industry Applications, 2014, 50, 307-316.	3.3	44
23	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
24	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
25	Plug-and-Play Nonlinear Droop Construction Scheme to Optimize Islanded Microgrid Operations. IEEE Transactions on Power Electronics, 2017, 32, 2743-2756.	5.4	42
26	DC Railway System Emulator for Stray Current and Touch Voltage Prediction. IEEE Transactions on Industry Applications, 2017, 53, 439-446.	3.3	41
27	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
28	Robust phase locked loop algorithm for single-phase utility-interactive inverters. IET Power Electronics, 2014, 7, 1064-1072.	1.5	39
29	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
30	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
31	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
32	Integrated Electric Motor Drive and Power Electronics for Bidirectional Power Flow Between the Electric Vehicle and DC or AC Grid. IEEE Transactions on Power Electronics, 2013, 28, 5774-5783.	5.4	35
33	Parallel Power Processing Topology for Solar PV Applications. IEEE Transactions on Industry Applications, 2014, 50, 1245-1255.	3.3	35
34	A Bidirectional DC-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
35	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
36	Cogging Torque Minimization in Transverse Flux Machines. IEEE Transactions on Industry Applications, 2019, 55, 385-397.	3.3	33

#	ARTICLE	IF	CITATIONS
37	Optimized Resource Management for PV&Fuel-Cell-Based Microgrids Using Load Characterizations. IEEE Transactions on Industry Applications, 2016, 52, 1723-1735.	3.3	32
38	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
39	A Complete Modeling and Simulation of Induction Generator Wind Power Systems. , 2010, , .		31
40	Detecting and Locating Faulty Nodes in Smart Grids Based on High Frequency Signal Injection. IEEE Transactions on Smart Grid, 2013, 4, 1067-1075.	6.2	31
41	An Effective Dithering Method for Electromagnetic Interference (EMI) Reduction in Single-Phase DC/AC Inverters. IEEE Transactions on Power Electronics, 2014, 29, 2798-2806.	5.4	28
42	A fixed switching frequency predictive current control method for switched reluctance machines. , 2012, , .		26
43	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
44	Design of a Modular E-Core Flux Concentrating Transverse Flux Machine. IEEE Transactions on Industry Applications, 2018, 54, 2115-2128.	3.3	26
45	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
46	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
47	Adaptive predictive current control technique for permanent magnet synchronous motors. IET Power Electronics, 2013, 6, 9-19.	1.5	24
48	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
49	Flux-Weakening Control of Switched Reluctance Machines in Rotating Reference Frame. IEEE Transactions on Industry Applications, 2016, 52, 267-277.	3.3	23
50	Analytical modeling of a novel transverse flux machine for direct drive wind turbine applications. , 2015, , .		22
51	A Flexible V2V Charger as a New Layer of Vehicle-Grid Integration Framework. , 2019, , .		22
52	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
53	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
54	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

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55	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
56	Power flow management of a grid tied PV-battery powered fast electric vehicle charging station. , 2015, , .		20
57	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
58	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
59	Torque ripple minimization of switched reluctance machines through current profiling. , 2011, , .		19
60	Fast minimum loss space vector pulse-width modulation algorithm for multilevel inverters. IET Power Electronics, 2014, 7, 1590-1602.	1.5	19
61	Short circuit fault diagnosis for interleaved DC-DC converter using DC-link current emulator. , 2017, , .		19
62	Reliable Islanded Microgrid Operation Using Dynamic Optimal Power Management. IEEE Transactions on Industry Applications, 2021, 57, 1755-1766.	3.3	19
63	Analysis, Design, and Comparison of V2V Chargers for Flexible Grid Integration. IEEE Transactions on Industry Applications, 2021, 57, 4143-4154.	3.3	19
64	Efficient Single-Phase Harmonics Elimination Method for Microgrid Operations. IEEE Transactions on Industry Applications, 2015, 51, 3394-3403.	3.3	18
65	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
66	Torque ripple minimization of Switched Reluctance Motors using speed signal based phase current profiling. , 2013, , .		17
67	Effects of windows in stator and rotor poles of switched reluctance motors in reducing noise and vibration. , 2017, , .		17
68	Current Harmonics Injection Method for Simultaneous Torque and Radial Force Ripple Mitigation to Reduce Acoustic Noise and Vibration in SRMs. , 2019, , .		16
69	Bridgeless SEPIC PFC converter for low total harmonic distortion and high power factor. , 2016, , .		15
70	A comprehensive review of permanent magnet transverse flux machines for direct drive applications. , 2017, , .		15
71	Acoustic noise mitigation for high pole count switched reluctance machines through skewing method with multiphysics FEA simulations. , 2017, , .		15
72	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

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73	Core Loss Estimation in Electric Machines With Flux-Controlled Core Loss Tester. IEEE Transactions on Industry Applications, 2019, 55, 1299-1308.	3.3	15
74	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
75	Power-Line Impedance Estimation at FCC Band Based on Intelligent Home Appliances Status Detection Algorithm Through Their Individual Energy and Impedance Signatures. IEEE Transactions on Power Delivery, 2014, 29, 1407-1416.	2.9	14
76	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
77	Comparison of axial flux machine performance with different rotor and stator configurations. , 2017, , .		13
78	An Integrated State of Health (SOH) Balancing Method for Lithium-Ion Battery Cells. , 2019, , .		13
79	Energy Harvesting from Moving Vehicles on Highways. , 2019, , .		13
80	Stability analysis of maximum power point tracking (MPPT) method in wind power systems. , 2011, , .		12
81	A bi-directional DC-DC converter with overlapping input and output voltage ranges and vehicle to grid energy transfer capability. , 2012, , .		12
82	Performance analysis of bi-directional DC-DC converters for electric vehicles and charging infrastructure. , 2013, , .		12
83	Design of a modular E-Core flux concentrating axial flux machine. , 2015, , .		12
84	DC-Assisted Bipolar Switched Reluctance Machine. IEEE Transactions on Industry Applications, 2017, 53, 2098-2109.	3.3	12
85	Analytical and Experimental Verification of Novel Current Waveforms for Noise Reduction in Switched Reluctance Motor. , 2019, , .		12
86	A novel load flow analysis for particle-swarm optimized microgrid power sharing. , 2013, , .		11
87	Construction of nonlinear droop relations to optimize islanded microgrids operation. , 2013, , .		11
88	Maximum torque per ampere control for interior permanent magnet motors using DC link power measurement. , 2014, , .		11
89	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
90	A pulse injection based sensorless position estimation method for a switched reluctance machine over a wide speed range. , 2013, , .		10

#	ARTICLE	IF	CITATIONS
91	An efficient universal controller for switched-reluctance machines. , 2013, , .		10
92	Grid harmonics and voltage unbalance effect elimination for three-phase PLL grid synchronization algorithm. , 2013, , .		10
93	Fault diagnosis method for DC-DC converters based on the inductor current emulator. , 2016, , .		10
94	Analytical model-based design optimization of a transverse flux machine. , 2016, , .		10
95	Differential power processing of photovoltaic systems for high energy capture and reduced cost. , 2017, , .		10
96	Mechanical Performance of Transverse Flux Machines. IEEE Transactions on Industry Applications, 2019, 55, 3716-3724.	3.3	10
97	Comparative Analysis of Static Eccentricity Faults of Double Stator Single Rotor Axial Flux Permanent Magnet Motors. , 2019, , .		10
98	Power Decoupling Technique for Reducing DC-Link Capacitor of Switched Reluctance Machine Drive. , 2019, , .		10
99	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
100	A Novel Decentralized Adaptive Droop Control Technique for DC Microgrids Based on Integrated Load Condition Processing. , 2020, , .		10
101	Dq control of switched reluctance machines. , 2013, , .		9
102	An effective smooth transition control strategy using droop based synchronization for parallel inverters. , 2013, , .		9
103	Cogging torque minimization in transverse flux machines. , 2016, , .		9
104	Battery storage sizing for a grid tied PV system based on operating cost minimization. , 2016, , .		9
105	A novel battery management system using a duality of the adaptive droop control theory. , 2017, , .		9
106	Stator design techniques to reduce vibration in permanent magnet synchronous machines. , 2017, , .		9
107	Energy Harvesting from Overhead Transmission Line Magnetic fields. , 2018, , .		9
108	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

#	ARTICLE	IF	CITATIONS
109	Novel harmonic and phase estimator for grid-connected renewable energy systems. , 2012, , .		8
110	A partial power processing of battery/ultra-Capacitor hybrid energy storage system for electric vehicles. , 2015, , .		8
111	Design considerations of a transverse flux machine for direct-drive wind turbine applications. , 2016, , .		8
112	DC Input Current Ripple Minimization in Switched Reluctance Machine Drives. , 2018, , .		8
113	Effect of Pole Shaping on Cogging Torque, Torque Ripple and Vibrational Performance in Consequent Pole TFM. , 2018, , .		8
114	An adaptive predictive current control technique for permanent magnet synchronous motors. , 2010, , .		7
115	Design and implementation of a 75 KW mobile charging system for electric vehicles. , 2013, , .		7
116	Hybrid droop and current control for seamless transition mode of microgrids. , 2013, , .		7
117	Analysis of doubly fed induction generator wind turbine system during one phase-to-ground fault. , 2013, , .		7
118	Modeling of mutually coupled switched reluctance motors for torque ripple minimization. , 2015, , .		7
119	Measurement of core losses in electrical steel in the saturation region under DC bias conditions. , 2015, , .		7
120	Quasi-Z-source-based multilevel inverter for single phase PV applications. , 2016, , .		7
121	Effect of distributed airgap in the stator for acoustic noise reduction in switched reluctance motors. , 2017, , .		7
122	Investigation of design based solutions to reduce vibration in permanent magnet synchronous machines with low order radial forces. , 2017, , .		7
123	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
124	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
125	Noise and Vibration Performance in Fractional Slot Permanent Magnet Synchronous Machines Using Stator Bridge. , 2018, , .		7
126	Multiple Device Open Circuit Fault Diagnosis for T-Type Multilevel Inverters. , 2018, , .		7

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127	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
128	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
129	Integrated electric motor drive and power electronics for bidirectional power flow between electric vehicle and DC or AC grid. , 2012, , .		6
130	Non-intrusive active power clamp filter on PLC channels for smart grid applications. , 2012, , .		6
131	Unbalanced fault analysis of doubly fed induction generator drive system for wind turbine applications. , 2013, , .		6
132	Capacitor voltage balancing of a five-level diode-clamped converter using minimum loss SVPWM algorithm for wide range modulation indices. , 2014, , .		6
133	Torque ripple minimization of switched reluctance motors through speed signal processing. , 2014, , .		6
134	An effective smooth transition control strategy using droop based synchronization for parallel inverters. , 2014, , .		6
135	Design of a switched reluctance machine for off-road vehicle applications based on torque-speed curve optimization. , 2014, , .		6
136	Analytical modeling of mutually coupled switched reluctance machines under saturation based on design geometry. , 2015, , .		6
137	Modeling and parameter estimation of split-single phase induction motors. IEEE Transactions on Industry Applications, 2015, , 1-1.	3.3	6
138	A novel sensing device for underground cable condition assessment. , 2015, , .		6
139	Design and implementation of a sinusoidal flux controller for core loss measurements. , 2016, , .		6
140	Fault tolerant control method for interleaved DC-DC converters under open and short circuit switch faults. , 2017, , .		6
141	Design of a novel interior permanent magnet axial flux machine. , 2017, , .		6
142	An Integrated Control Strategy for State of Charge Balancing with Output Voltage Control of a Series Connected Battery Management System. , 2018, , .		6
143	Experimental and Simulation Based Study of Vibration Prediction in Fractional Slot Permanent Magnet Synchronous Machines. , 2019, , .		6
144	Design and Analysis of a High Saliency Transverse Flux Machine with a Novel Rotor Structure for Traction Applications. , 2020, , .		6

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145	Current Profile Optimization Method for Simultaneous DC-Link Current Ripple and Acoustic Noise Minimization in Switched Reluctance Machines. , 2020, , .		6
146	Improved Transient Power Sharing of Droop Controlled Islanded Microgrids. , 2020, , .		6
147	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
148	Energy capture improvement of a solar PV system using a multilevel inverter. , 2011, , .		5
149	Control of microgrid-connected PV-sources. , 2012, , .		5
150	Advanced control techniques for switched reluctance machine drives in emerging applications. , 2013, , .		5
151	Harmonic analysis of doubly fed induction generator based utility interactive wind turbine systems during fault conditions. , 2013, , .		5
152	Active THD reduction strategy for grid connected EV charging stations. , 2013, , .		5
153	Novel method for real time overhead power line segments high frequency impedance measurement based on signal injection. , 2013, , .		5
154	DC assisted bipolar switched reluctance machine. , 2015, , .		5
155	A new single switch bridgeless SEPIC PFC converter with low cost, low THD and high PF. , 2015, , .		5
156	A non-intrusive system for measuring underground power utility cable impedance. , 2016, , .		5
157	Multiple device open circuit fault diagnosis for neutral-point-clamped inverters. , 2017, , .		5
158	Cost Optimization of an Opportunity Charging Bus Network. , 2018, , .		5
159	Minimizing The Expected Energy Deficiency of A Distributed Generation System Using Dynamic Optimal Power Management. , 2018, , .		5
160	A complete small signal modelling and adaptive stability analysis of nonlinear droop-controlled microgrids. , 2018, , .		5
161	Si-Carbide based Interleaved Bi-Directional DC-DC Converter Design for High Power Density Fast Charging Station. , 2019, , .		5
162	Design of a Novel Axial Flux Permanent Magnet Assisted Synchronous Reluctance Motor. , 2019, , .		5

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163	Design and Analysis of an Axial Flux Doubly Fed Induction Generator for Wind Turbine Applications. , 2019, , .		5
164	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
165	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
166	DC-Link Current Ripple Reduction in Switched Reluctance Machine Drives. IEEE Transactions on Industry Applications, 2021, 57, 1429-1439.	3.3	5
167	Switched reluctance generator controls for optimal power generation and battery charging. , 2011, , .		4
168	A novel Maximum Power Points Tracking (MPPT) operation of doubly-fed induction generator (DFIG) wind power system. , 2012, , .		4
169	An improved direct power control of a doubly fed induction generator wind power system. , 2013, , .		4
170	Efficient single phase harmonics elimination method for microgrids operating in grid connected or standalone mode. , 2013, , .		4
171	Efficient single phase power factor improvement strategy for microgrid operation. , 2014, , .		4
172	Feeding partial power into line capacitors for low cost and efficient MPPT of photovoltaic strings. , 2016, , .		4
173	Voltage error phase locked loop (PLL) based model adaptive sensorless vector control algorithm for induction motors. , 2017, , .		4
174	Performance improvement of the delta-connected SRM driven by a standard three phase inverter. , 2017, , .		4
175	Analytical modeling of a double-sided flux concentrating E-Core Transverse Flux Machine with pole windings. , 2017, , .		4
176	Mechanical and thermal performance of transverse flux machines. , 2017, , .		4
177	Comparison of Electrical Machine Types for Electrically Driven Engine Accessories Using Multiphysics Simulation Tools. , 2018, , .		4
178	Acoustic noise mitigation of switched reluctance machines with windows in both stator and rotor poles. , 2018, , .		4
179	Improved Transient Frequency Stabilization of Grid Feeding Distributed Generation Systems Using Active Damping Control. , 2019, , .		4
180	CFD Based Design of an Impeller for a Novel Integrated Motor-Compressor System. , 2019, , .		4

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181	Sensitivity Analysis Based NVH Performance Evaluation in Permanent Magnet Synchronous Machines using Lumped Unit Force Response. , 2020, , .		4
182	Wide Speed Range NVH Performance Optimization In Permanent Magnet Synchronous Machines for Automotive Application Using Vibration Synthesis. , 2020, , .		4
183	Design and Analysis of a Hook Shaped Stator Core with Ring Winding Transverse Flux Machine for Wind Turbine Applications. , 2020, , .		4
184	Impact of Current Profiling For NVH Mitigation On Switched Reluctance Machine Drive Accessories. , 2021, , .		4
185	Transition control strategy between standalone and grid connected operation of voltage source inverters. , 2011, , .		3
186	Modeling, implementation and analysis of a Li-ion battery powered electric truck. , 2011, , .		3
187	A robust and efficient PLL algorithm for single-phase grid-connected renewable energy sources. , 2013, , .		3
188	Reactive power scheduler for voltage regulation of distributed energy systems. , 2013, , .		3
189	Harmonics compensation and power factor improvement using LED driver. , 2014, , .		3
190	Capacitor voltage balancing using minimum loss SVPWM for a five-level diode-clamped converter. , 2014, , .		3
191	Effective dithering technique for EMI reduction in three phase DC/AC inverters. , 2014, , .		3
192	Optimized settings of droop parameters using stochastic load modeling for effective DC microgrids operation. , 2015, , .		3
193	Direct active and reactive power regulation of a DFIG wind power system with constant switching frequency and reduced ripple. , 2015, , .		3
194	Power factor correction of LED drivers with third port energy storage. , 2015, , .		3
195	A simple double mapping based SVPWM method for balancing dc-link capacitor voltages of five-level diode-clamped converters. , 2016, , .		3
196	A novel three-phase multilevel diode-clamped inverter topology with reduced device count. , 2016, , .		3
197	An effective DC microgrid operation using a line impedance regulator. , 2017, , .		3
198	A hybrid flyback LED driver with utility grid and renewable energy interface. , 2018, , .		3

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199	The Direct Condition Assessment of Operating Low-Voltage Insulated Cables. , 2018, , .		3
200	A Novel Differential Power Processing Architecture for a Partially Shaded PV String Using Distributed Control. , 2018, , .		3
201	A Novel DC Link Energy Shaping Process for Minimizing the Transient Frequency Variations in Microgrids. , 2019, , .		3
202	A New Converter Topology for Switched Reluctance Machines to Improve High-Speed Performance. , 2019, , .		3
203	Fault Detection of Switch Mode Power Converters Based on Radiated EMI Analysis. , 2019, , .		3
204	Cost Optimization of an Opportunity Charging Bus Network. IEEE Transactions on Industry Applications, 2021, 57, 2850-2858.	3.3	3
205	Design Optimization of a Novel Axial Flux Ferrite Magnet Assisted Synchronous Reluctance Motor. , 2020, , .		3
206	Phase Collaborative Interleaving Method to Reduce DC-Link Current Ripple in Switched Reluctance Machine Drive. , 2021, , .		3
207	SiC Based Interleaved VSI Fed Transverse Flux Machine Drive for High Efficiency, Low EMI Noise and High Power Density Applications. , 2020, , .		3
208	Modeling and Analysis of Sensor Error Effects on DC-Link Current Ripple in Switched Reluctance Machine Drives. , 2020, , .		3
209	Direct Acceleration Harmonic Control with Current Harmonics Injection Method to Reduce Acoustic Noise and Vibration in Switched Reluctance Machines. , 2021, , .		3
210	Four-quadrant torque ripple minimization of switched reluctance machine through current profiling with mitigation of rotor eccentricity problem and sensor errors. , 2012, , .		2
211	Switched reluctance generator controls for optimal power generation with current regulation. , 2012, , .		2
212	Engine-generator sizing for re-engineering an electric vehicle into an extended range electric vehicle. , 2013, , .		2
213	Adaptive flux weakening control of switched reluctance machines in rotating reference frame. , 2013, , .		2
214	Harmonics elimination and distribution using decentralized control for microgrid applications. , 2013, , .		2
215	Smart high voltage circuit breaker in overhead power lines for smart grid applications. , 2013, , .		2
216	Non-isolated individual MPP trackers for series PV strings through partial current processing technique. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
217	Reliability and cost analysis of solar photovoltaic and fuel cell based microgrids. , 2014, , .		2
218	DC railway system emulator for stray current and touch voltage prediction. , 2015, , .		2
219	Dual rotor mutually coupled switched reluctance machine for wide speed operating range. , 2015, , .		2
220	Grid synchronization for a virtual direct power-controlled DFIG wind power system. , 2015, , .		2
221	Integrated control of an IPM motor drive and hybrid energy storage system for electric vehicles. , 2016, , .		2
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224	Extending the speed range of a switched reluctance motor using a fast demagnetizing technique. , 2016, , .		2
225	Transverse Flux Machines with rotary transformer concept for wide speed operations without using Permanent Magnet material. , 2016, , .		2
226	A novel protection scheme for DC electrical railway systems using high-frequency signal injection. , 2017, , .		2
227	Continuous conduction operation for mutually coupled switched reluctance machines. , 2017, , .		2
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229	Comparison of Failure Modes, Effect Analysis and Reliability of Electric Machine Drives. , 2019, , .		2
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231	Aging Condition Assessment for Live XLPE-Type Cables through Precise High Frequency Impedance Phase Detection. , 2019, , .		2
232	A Control Method for Smooth Transition from Motoring to Generating Modes in Switched Reluctance Machines. , 2020, , .		2
233	Impact of Damping material on Vibration Isolation in Switched Reluctance Machine. , 2020, , .		2
234	Low-loss and lightweight magnetic material for electrical machinery. IET Electric Power Applications, 2020, 14, 282-290.	1.1	2

#	ARTICLE	IF	CITATIONS
235	Mobile Edge Computing Sensors and Cloud Machine Learning Advance Grid Predictive Maintenance. , 2021, , .		2
236	Reduction of Electromagnetic Interference (EMI) in Interleaved DC-DC Converters. , 2020, , .		2
237	Multiphysics Analysis to Effectively Evaluate Thermal Performance of Liquid-Cooled Electric Machines. IEEE Transactions on Industry Applications, 2022, 58, 3424-3433.	3.3	2
238	Dynamic Interleaving Method to Reduce DC-link Ripple for Asymmetric Dual Three-Phase Permanent Magnet Synchronous Machine Drives. , 2022, , .		2
239	A chirp PWM scheme for brushless DC motor drives. , 2012, , .		1
240	A robust real-time maximum power points tracking (MPPT) method for wind power systems. , 2012, , .		1
241	Energy production cost and PAR minimization in multi-source power networks. , 2012, , .		1
242	Diode-clamped multilevel converter topology for battery cells charging applications. , 2013, , .		1
243	Improving the operation of microgrid interfaced inverter using L-type filter. , 2013, , .		1
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249	Design of a 7.7 kW Three-Phase Wireless Charging System for Light Duty Vehicles based on Overlapping Windings. , 2020, , .		1
250	Adaptive Line Impedance Estimation Algorithm for DC Microgrid Systems. , 2021, , .		1
251	Core Loss in Electric Machines. , 2020, , 175-210.		1
252	Using Mobile Edge-Computing Sensors to Avoid Power Outage Impacts on the Economy. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
253	Design Optimization and Performance Analysis of Bifilar Wound Switched Reluctance Motor. , 2021, , .		1
254	Dominant Spatial Order Airgap Force Based Current Profiling Coupled with Fast Vibration Prediction in Switched Reluctance Machines for NVH Mitigation. , 2021, , .		1
255	Analysis of Radial Force Ripple with Sensor Errors and its Effect in NVH Performance for SRMs. , 2020, , .		1
256	High Frequency Signal Injection Method for Online Condition Monitoring of Electric Machines. , 2020, , .		1
257	NVH Performance of Direct Flux Controlled Switched Reluctance Machine. , 2020, , .		1
258	Multi-Physics Analysis to Effectively Evaluate Thermal Performance of Liquid-Cooled Electric Machines. , 2020, , .		1
259	Design and Comprehensive Performance Analysis of Transverse Flux and Axial Flux Topologies For Permanent Magnet Synchronous Machines. , 2021, , .		1
260	Acoustic Noise Mitigation of Switched Reluctance Machines With Leaf Springs. IEEE Transactions on Industrial Electronics, 2023, 70, 1250-1260.	5.2	1
261	Meeting MIL-STD-461 for 2KW military tactical generator drive system. , 2010, , .		0
262	Flux weakening control for surface mount permanent magnet synchronous motor (PMSM) drives with rapid load and speed varying applications. , 2013, , .		0
263	Plug and play nonlinear droop construction scheme to optimize microgrid operations. , 2014, , .		0
264	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
265	High power wide bandwidth inverter output filter design for various operating frequencies and diverse waveforms. , 2015, , .		0
266	Power-line impedance modeling of tractor-trailer system. , 2016, , .		0
267	Performance comparison of short pitched and fully pitched switched reluctance machines. , 2016, , .		0
268	Effective control approach for multi-PVs based resonant converter through cross-switched structure. , 2016, , .		0
269	Fault-tolerant operation of multilevel diode-clamped converters for a device open-circuit fault. , 2017, , .		0
270	Real-Time High-Frequency Impedance Monitoring of Human Skin Through Magnetic Coupling. IEEE Sensors Journal, 2017, 17, 6167-6174.	2.4	0

#	ARTICLE	IF	CITATIONS
271	A Center of Mass Determination for the Optimum Placement and Deployment of the Renewable Energy Sources for Microgrids. , 2018, , .		0
272	Identifying Deteriorated or Contaminated Power System Components from RF Emissions. , 2019, , .		0
273	Enhanced Voltage Droop Control Strategy for DC Microgrid System with State Variable Feedback. , 2019, , .		0
274	Radial Force Reduction in SRMs using Partial Teeth Insertion on Stator and Rotor Poles. , 2019, , .		0
275	Adaptive Cell Balancing of Series Connected Batteries Using Hybrid Droop Controller. , 2020, , .		0
276	Direct Voltage Controller for SRMs in Achieving Torque Ripple Minimization over Wide Speed Range. , 2020, , .		0
277	Axial Flux Interior Permanent Magnet Motor with a Novel Symmetric Flux Barrier. , 2021, , .		0
278	Axial Flux Machines. , 2020, , 301-336.		0
279	Model Reference Adaptive Current Control Method for Dual Three Phase Permanent Magnet Synchronous Machine. , 2021, , .		0
280	Fleet Speed Profile Optimization for Autonomous and Connected Vehicles. , 2021, , .		0
281	Mechanical Performance of Transverse Flux Machines at High Speeds of Operation. , 2021, , .		0
282	Phase Current Sensorless Control of Switched Reluctance Machines Using Dynamic Interleaving. , 2021, , .		0