

Shuo Wang

List of Publications by Year in descending order

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180
papers

5,152
citations

87843

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180
all docs

180
docs citations

180
times ranked

1914
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Parasitic Parameters on EMI Filter Performance. IEEE Transactions on Power Electronics, 2004, 19, 869-877.	5.4	245
2	Common Mode Noise Reduction for Boost Converters Using General Balance Technique. IEEE Transactions on Power Electronics, 2007, 22, 1410-1416.	5.4	184
3	Investigation of Hybrid EMI Filters for Common-Mode EMI Suppression in a Motor Drive System. IEEE Transactions on Power Electronics, 2010, 25, 1034-1045.	5.4	170
4	Common Mode EMI Noise Suppression for Bridgeless PFC Converters. IEEE Transactions on Power Electronics, 2008, 23, 291-297.	5.4	167
5	A Survey of EMI Research in Power Electronics Systems With Wide-Bandgap Semiconductor Devices. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 626-643.	3.7	164
6	Characterization and Parasitic Extraction of EMI Filters Using Scattering Parameters. IEEE Transactions on Power Electronics, 2005, 20, 502-510.	5.4	132
7	Improving the Characteristics of Integrated EMI Filters by Embedded Conductive Layers. IEEE Transactions on Power Electronics, 2005, 20, 611-619.	5.4	115
8	Common-Mode EMI Noise Modeling and Reduction With Balance Technique for Three-Level Neutral Point Clamped Topology. IEEE Transactions on Industrial Electronics, 2017, 64, 7563-7573.	5.2	97
9	A Generalized Common-Mode Current Cancellation Approach for Power Converters. IEEE Transactions on Industrial Electronics, 2015, 62, 4130-4140.	5.2	93
10	Characterization, Evaluation, and Design of Noise Separator for Conducted EMI Noise Diagnosis. IEEE Transactions on Power Electronics, 2005, 20, 974-982.	5.4	92
11	Two-Capacitor Transformer Winding Capacitance Models for Common-Mode EMI Noise Analysis in Isolated DC-DC Converters. IEEE Transactions on Power Electronics, 2017, 32, 8458-8469.	5.4	90
12	High-Density EMI Filter Design for DC-Fed Motor Drives. IEEE Transactions on Power Electronics, 2010, 25, 1163-1172.	5.4	89
13	Novel Techniques to Suppress the Common-Mode EMI Noise Caused by Transformer Parasitic Capacitances in DC-DC Converters. IEEE Transactions on Industrial Electronics, 2013, 60, 4968-4977.	5.2	88
14	A Current-Reference-Based Selective Harmonic Current Mitigation PWM Technique to Improve the Performance of Cascaded H-Bridge Multilevel Active Rectifiers. IEEE Transactions on Industrial Electronics, 2018, 65, 727-737.	5.2	86
15	Improvement of EMI Filter Performance With Parasitic Coupling Cancellation. IEEE Transactions on Power Electronics, 2005, 20, 1221-1228.	5.4	82
16	A Study of Integration of Parasitic Cancellation Techniques for EMI Filter Design With Discrete Components. IEEE Transactions on Power Electronics, 2008, 23, 3094-3102.	5.4	80
17	Analysis and Applications of Parasitic Capacitance Cancellation Techniques for EMI Suppression. IEEE Transactions on Industrial Electronics, 2010, 57, 3109-3117.	5.2	80
18	Investigation on transformer design of high frequency high efficiency dc-dc converters. , 2010, , .		79

#	ARTICLE	IF	CITATIONS
19	EMI Suppression in Voltage Source Converters by Utilizing dc-link Decoupling Capacitors. IEEE Transactions on Power Electronics, 2007, 22, 1417-1428.	5.4	76
20	Integrating Active, Passive and EMI-Filter Functions in Power Electronics Systems: A Case Study of Some Technologies. IEEE Transactions on Power Electronics, 2005, 20, 523-536.	5.4	74
21	Common-Mode EMI Study and Reduction Technique for the Interleaved Multichannel PFC Converter. IEEE Transactions on Power Electronics, 2008, 23, 2576-2584.	5.4	72
22	Modeling and Stability Analysis of Active/Hybrid Common-Mode EMI Filters for DC/DC Power Converters. IEEE Transactions on Power Electronics, 2016, 31, 6254-6263.	5.4	72
23	An Integrated EMI Choke for Differential-Mode and Common-Mode Noise Suppression. IEEE Transactions on Power Electronics, 2010, 25, 539-544.	5.4	68
24	DM EMI Noise Prediction for Constant On-Time, Critical Mode Power Factor Correction Converters. IEEE Transactions on Power Electronics, 2012, 27, 3150-3157.	5.4	66
25	Design of Inductor Winding Capacitance Cancellation for EMI Suppression. IEEE Transactions on Power Electronics, 2006, 21, 1825-1832.	5.4	62
26	A Real-Time Selective Harmonic Elimination Based on a Transient-Free Inner Closed-Loop Control for Cascaded Multilevel Inverters. IEEE Transactions on Power Electronics, 2016, 31, 1000-1014.	5.4	62
27	Parasitic Effects of Grounding Paths on Common-Mode EMI Filter's Performance in Power Electronics Systems. IEEE Transactions on Industrial Electronics, 2010, 57, 3050-3059.	5.2	61
28	Reducing Common-Mode Noise in Two-Switch Forward Converter. IEEE Transactions on Power Electronics, 2011, 26, 1522-1533.	5.4	60
29	Investigating Switching Transformers for Common Mode EMI Reduction to Remove Common Mode EMI Filters and Y-Capacitors in Flyback Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 2287-2301.	3.7	58
30	Study of Conducted EMI Reduction for Three-Phase Active Front-End Rectifier. IEEE Transactions on Power Electronics, 2011, 26, 3823-3831.	5.4	55
31	Power architecture design with improved system efficiency, EMI and power density. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	53
32	Investigation of the Transformation Between Differential-Mode and Common-Mode Noises in an EMI Filter Due to Unbalance. IEEE Transactions on Electromagnetic Compatibility, 2010, 52, 578-587.	1.4	53
33	Investigation of Radiated Electromagnetic Interference for an Isolated High-Frequency DC-DC Power Converter With Power Cables. IEEE Transactions on Power Electronics, 2019, 34, 9632-9643.	5.4	51
34	Cancellation of capacitor parasitic parameters for noise reduction application. IEEE Transactions on Power Electronics, 2006, 21, 1125-1132.	5.4	49
35	Common-Mode Noise Reduction for Power Factor Correction Circuit With Parasitic Capacitance Cancellation. IEEE Transactions on Electromagnetic Compatibility, 2007, 49, 537-542.	1.4	49
36	Effects of Interactions Between Filter Parasitics and Power Interconnects on EMI Filter Performance. IEEE Transactions on Industrial Electronics, 2007, 54, 3344-3352.	5.2	47

#	ARTICLE	IF	CITATIONS
37	Investigating the power architectures and circuit topologies for megawatt superfast electric vehicle charging stations with enhanced grid support functionality. , 2012, , .		46
38	A Common Mode Inductor With External Magnetic Field Immunity, Low-Magnetic Field Emission, and High-Differential Mode Inductance. IEEE Transactions on Power Electronics, 2015, 30, 6684-6694.	5.4	46
39	Inductor Winding Capacitance Cancellation Using Mutual Capacitance Concept for Noise Reduction Application. IEEE Transactions on Electromagnetic Compatibility, 2006, 48, 311-318.	1.4	44
40	Addressing the range anxiety of battery electric vehicles with charging en route. Scientific Reports, 2022, 12, 5588.	1.6	44
41	Improving the performance of boost PFC EMI filters. , 0, , .		42
42	DQ-Frame Modeling of an Active Power Filter Integrated With a Grid-Connected, Multifunctional Electric Vehicle Charging Station. IEEE Transactions on Power Electronics, 2013, 28, 5702-5716.	5.4	40
43	Differential Mode Active EMI Filter Design for a Boost Power Factor Correction AC/DC Converter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 576-590.	3.7	40
44	Prediction and Analysis of EMI Spectrum Based on the Operating Principle of EMC Spectrum Analyzers. IEEE Transactions on Power Electronics, 2020, 35, 263-275.	5.4	38
45	Measurement Techniques of Common Mode Currents, Voltages, and Impedances in a Flyback Converter for Radiated EMI Diagnosis. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 1997-2005.	1.4	36
46	Modeling and Reduction of Radiated EMI in a GaN IC-Based Active Clamp Flyback Adapter. IEEE Transactions on Power Electronics, 2021, 36, 5440-5449.	5.4	36
47	Common mode EMI noise suppression in bridgeless boost PFC converter. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	32
48	Next Generation of Power Suppliesâ€™ Design for Manufacturability. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 6462-6475.	3.7	31
49	Modeling and Reduction of Radiated Common Mode Current in Flyback Converters. , 2018, , .		30
50	Investigation and Reduction of EMI Noise Due to the Reverse Recovery Currents of 50/60 Hz Diode Rectifiers. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2022, 3, 594-603.	3.0	30
51	Analysis and Comparison of the Radiated Electromagnetic Interference Generated by Power Converters With Si MOSFETs and GaN HEMTs. IEEE Transactions on Power Electronics, 2020, 35, 8050-8062.	5.4	29
52	Analysis and Reduction of the Near Magnetic Field Emission From Toroidal Inductors. IEEE Transactions on Power Electronics, 2020, 35, 6251-6268.	5.4	28
53	Design of CM Inductor Based on Core Loss for Radiated EMI Reduction in Power Converters. , 2019, , .		27
54	Investigate and Reduce Capacitive Couplings in a Flyback Adapter With a DC-Bus Filter to Reduce EMI. IEEE Transactions on Power Electronics, 2020, 35, 6963-6973.	5.4	27

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55	Develop Parasitic Inductance Model for the Planar Busbar of an IGBT H Bridge in a Power Inverter. IEEE Transactions on Power Electronics, 2015, 30, 6924-6933.	5.4	26
56	Modeling and Stability Analysis of Active Differential-Mode EMI Filters for AC/DC Power Converters. IEEE Transactions on Power Electronics, 2018, 33, 10277-10291.	5.4	26
57	A DC Link Sensor-Less Voltage Balancing Technique for Cascaded H-Bridge Multilevel Converters With Asymmetric Selective Harmonic Current Mitigation-PWM. IEEE Transactions on Power Electronics, 2018, 33, 7571-7581.	5.4	26
58	Single layer iron powder core inductor model and its effect on boost PFC EMI noise. , 0, , .		25
59	Common-Mode EMI Noise Analysis and Reduction for AC-DC-AC Systems With Paralleled Power Modules. IEEE Transactions on Power Electronics, 2020, 35, 6989-7000.	5.4	25
60	Advances of Modeling and Reduction of Conducted and Radiated EMI in Flyback Converters. , 2020, , .		25
61	Technologies and characteristics of integrated EMI filters for switch mode power supplies. , 0, , .		24
62	Critical Parameter Design for a Cascaded H-Bridge With Selective Harmonic Elimination/Compensation Based on Harmonic Envelope Analysis for Single-Phase Systems. IEEE Transactions on Industrial Electronics, 2019, 66, 2914-2925.	5.2	24
63	Integrated Matrix Transformer with Optimized PCB Winding for High-Efficiency High-Power-Density LLC Resonant Converter. , 2019, , .		24
64	Modeling, Analysis, and Reduction of Radiated EMI Due to the Voltage Across Input and Output Cables in an Automotive Non-Isolated Power Converter. IEEE Transactions on Power Electronics, 2022, 37, 5455-5465.	5.4	24
65	A 4800-V grid-connected electric vehicle charging station that provides STACOM-APF functions with a bi-directional, multi-level, cascaded converter. , 2012, , .		23
66	Improve Control to Output Dynamic Response and Extend Modulation Index Range With Hybrid Selective Harmonic Current Mitigation-PWM and Phase-Shift PWM for Four-Quadrant Cascaded H-Bridge Converters. IEEE Transactions on Industrial Electronics, 2017, 64, 6854-6863.	5.2	23
67	Design of a Hybrid Busbar Filter Combining a Transmission-Line Busbar Filter and a One-Turn Inductor for DC-Fed Three-Phase Motor Drive Systems. IEEE Transactions on Power Electronics, 2013, 28, 5588-5602.	5.4	22
68	Investigating a Guard Trace Ring to Suppress the Crosstalk due to a Clock Trace on a Power Electronics DSP Control Board. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 546-554.	1.4	22
69	Investigation of Radiated EMI in Non-isolated Power Converters with Power Cables in Automotive Applications. , 2019, , .		22
70	A Survey of Modeling and Reduction Techniques of Radiated EMI in Power Electronics. , 2021, , .		22
71	Integration of EMI filter for distributed power system (DPS) front-end converter. , 0, , .		20
72	A Four-Quadrant Modulation Technique to Extend Modulation Index Range for Multilevel Selective Harmonic Elimination/Compensation Using Staircase Waveforms. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 233-243.	3.7	20

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73	Investigation and Modeling of Combined Feedforward and Feedback Control Schemes to Improve the Performance of Differential Mode Active EMI Filters in AC-DC Power Converters. IEEE Transactions on Industrial Electronics, 2019, 66, 6538-6548.	5.2	20
74	Parasitic Inductance Modeling and Reduction for Wire-Bonded Half-Bridge SiC Multichip Power Modules. IEEE Transactions on Power Electronics, 2021, 36, 5892-5903.	5.4	20
75	Using scattering parameters to characterize EMI filters. , 0, , .		19
76	Reducing common mode EMI noise in two-switch forward converter. , 2009, , .		19
77	Improved Balance Technique for Common-Mode Noise Suppression of PCB-Based PFC. IEEE Transactions on Power Electronics, 2022, 37, 4174-4182.	5.4	19
78	Analysis and suppression of conducted EMI emissions for front-end LLC resonant DC/DC converters. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	18
79	Design of fast charging technique for electrical vehicle charging stations with grid-tied cascaded H-bridge multilevel converters. , 2018, , .		18
80	Parasitic Inductance Modeling and Reduction for a Wire Bonded Half Bridge SiC MOSFET Multichip Power Module. , 2019, , .		18
81	Investigation of Magnetic Field Immunity and Near Magnetic Field Reduction for the Inductors in High Power Density Design. IEEE Transactions on Power Electronics, 2019, 34, 5340-5351.	5.4	18
82	Modeling and Increasing the High-Frequency Impedance of Single-Layer Mn-Zn Ferrite Toroidal Inductors With Electromagnetic Analysis. IEEE Transactions on Power Electronics, 2021, 36, 6943-6953.	5.4	17
83	Radiated EMI Reduction with Double Shielding Techniques in Active-clamp Flyback Converters. , 2021, , .		17
84	Analysis and Reduction of Radiated EMI in High-Frequency GaN IC-based Active Clamp Flyback Converters. , 2020, , .		16
85	Modeling and Reduction of Radiated EMI in Non-isolated Power Converters in Automotive Applications. , 2020, , .		16
86	Advances in Modeling and Reduction of Conducted and Radiated EMI in Non-isolated Power Converters. , 2021, , .		16
87	Characterization and Design of Three-Phase EMI Noise Separators for Three-Phase Power Electronics Systems. IEEE Transactions on Power Electronics, 2011, 26, 2426-2438.	5.4	15
88	EMI reduction with near field coupling suppression techniques for planar transformers and CM chokes in switching-mode power converters. , 2013, , .		15
89	High efficiency, hybrid Selective Harmonic Elimination phase-shift PWM technique for Cascaded H-Bridge inverters to improve dynamic response and operate in complete normal modulation indices. , 2016, , .		15
90	The state of charge balancing techniques for electrical vehicle charging stations with cascaded H-bridge multilevel converters. , 2018, , .		14

#	ARTICLE	IF	CITATIONS
91	Investigation of Noise Spectrum and Radiated EMI in High Switching Frequency Flyback Converters. , 2021, , .		14
92	Modeling and Design of EMI Noise Separators for Multiphase Power Electronics Systems. IEEE Transactions on Power Electronics, 2011, 26, 3163-3173.	5.4	13
93	Design of an active differential mode current filter for a boost power factor correction AC-DC converter. , 2015, , .		13
94	Analysis and reduction of the near magnetic field radiation from magnetic inductors. , 2017, , .		13
95	Predicting far-field radiation with the emission models of power converters. , 2017, , .		13
96	Modeling and reduction of radiated EMI for isolated power converters. , 2018, , .		13
97	Electromagnetic interference modeling and suppression techniques in variable-frequency drive systems. Frontiers of Mechanical Engineering, 2018, 13, 329-353.	2.5	13
98	Negative Capacitance and its Applications on Parasitic Cancellation for EMI Noise Suppression. , 2007, , .		12
99	Comparative Analysis of Magnetic Core Loss Measurement Methods with Arbitrary Excitations. , 2019, , .		12
100	Near Field Coupling's Impact on Radiated EMI and Mitigation Techniques for Power Converters in Automotive Applications. , 2020, , .		12
101	Modeling, analysis and design of differential mode active EMI filters with feedforward and feedback configurations for AC-DC converters. , 2016, , .		11
102	A Universal DM/CM Physical Model for Power Transformer EMI Analysis within both Conducted and Radiated Frequency Ranges. , 2018, , .		11
103	The Parasitic Capacitance of Magnetic Components with Ferrite Cores Due to Time-Varying Electromagnetic (EM) Field. , 2018, , .		11
104	Measurement Techniques of CM Currents, Impedance and Voltages for Radiated EMI in Isolated Power Converters. , 2018, , .		11
105	Radiated EMI Reduction by Layout Improvement in Power Converters in Automotive Applications. , 2020, , .		11
106	Grid active power filters using cascaded multilevel inverters with direct asymmetric switching angle control for grid support functions. , 2013, , .		10
107	Techniques of the modeling, measurement and reduction of common mode noise for a multi-winding switching transformer. , 2017, , .		10
108	A crosstalk suppression technique for SiC MOSFETs in the bridge-leg configuration. , 2020, , .		10

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109	A Hybrid Phase Shift-Pulsewidth Modulation and Asymmetric Selective Harmonic Current Mitigation-Pulsewidth Modulation Technique to Reduce Harmonics and Inductance of Single-Phase Grid-Tied Cascaded Multilevel Converters. IEEE Transactions on Industrial Electronics, 2020, 67, 10388-10398.	5.2	10
110	Modeling and Reduction of Radiated EMI due to Ground Impedance in a High-density Active-clamp Flyback Power Adapter. , 2022, , .		10
111	Two-capacitor transformer winding capacitance models for common-mode EMI noise analysis in isolated DC-DC converters. , 2016, , .		9
112	Investigating the grounding of EMI filters in power electronics systems. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	8
113	Novel concepts for high frequency high efficiency transformer design. , 2011, , .		8
114	Modeling of a grid-connected, multifunctional electric vehicle charging station in active filter mode with DQ theory. , 2012, , .		8
115	A real-time selective harmonic compensation (SHC) based on asymmetric switching angle modulation and current feedback control for cascaded modular multilevel inverters. , 2015, , .		8
116	Winding and air gap configurations for power inductors to reduce near magnetic field emission. , 2017, , .		8
117	EMI noise source modeling based on network theory for power converters with mixed-mode characterization. , 2018, , .		8
118	Reduction and Cancellation Techniques for the Near Field Capacitive Coupling and Parasitic Capacitance of Inductors. , 2018, , .		8
119	Comparison of Radiated Electromagnetic Interference (EMI) Generated by Power Converters with Silicon MOSFETs and GaN HEMTs. , 2019, , .		8
120	Near Magnetic Field Emission Analysis for IGBT and SiC Power Modules. , 2020, , .		8
121	Investigation and Reduction of Near Electric Field Emitted from a Power Helical Inductor. , 2020, , .		8
122	EMI Suppression in Voltage Source Converters by Utilizing DC-link Decoupling Capacitors. , 0, , .		7
123	High-Density EMI Filter Design for Dc-Fed Motor Drives. , 2009, , .		7
124	Systematic modeling for a three phase inverter with motor and long cable using optimization method. , 2016, , .		7
125	A cascaded hybrid phase shift-PWM and asymmetric selective harmonic mitigation-PWM modulation technique for grid-tied converter to reduce the switching frequency and meet the grid current harmonic requirement. , 2017, , .		7
126	Develop common-mode EMI noise models for AC-DC-AC traction systems. , 2017, , .		7

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127	Miller Capacitance Cancellation to Improve SiC MOSFET's Performance in a Phase-Leg Configuration. IEEE Transactions on Power Electronics, 2021, 36, 14195-14206.	5.4	7
128	Near Magnetic Field Assessment and Reduction for Magnetic Inductors with Magnetic Moment Analysis. IEEE Transactions on Power Electronics, 2021, , 1-1.	5.4	7
129	Electric Near Field Emission From a 1Mhz Power Converter For Electric Vehicles. , 2021, , .		7
130	Research on LTCC Capacitors and its Potential for High Power Converters. , 2009, , .		6
131	Improve vehicle's function safety with an approach investigating vehicle's electromagnetic interference with its function safety. , 2011, , .		6
132	Modeling and analysis of hybrid differential mode filters for AC/DC converters to suppress current ripples and EMI. , 2015, , .		6
133	Investigation of multiple feedback active filter configurations for differential mode(DM) electromagnetic interference(EMI) noise in AC/DC converter applications. , 2017, , .		6
134	Investigating CM Voltage and Its Measurement for AC/DC Power Adapters to Meet Touchscreen Immunity Requirement. IEEE Transactions on Electromagnetic Compatibility, 2018, 60, 1102-1110.	1.4	6
135	Radiated EMI Modeling of the Non-Isolated DC-DC Power Converters with Attached Cables. , 2018, , .		6
136	Fast and Precise Detection of Internal Short Circuit on Li-Ion Battery. , 2018, , .		6
137	Investigation of magnetic field immunity and near magnetic field reduction for the inductors in high power density design. , 2018, , .		6
138	Single Stage EMI Filter for Server Power Supply. , 2020, , .		6
139	Investigation and Reduction of a Low-Frequency EMI Noise of AC/DC Power Adapters with Diode Bridge as Input Rectifier. , 2020, , .		6
140	11-kW High-Frequency High-Density Bidirectional OBC with PCB Winding Magnetic Design. , 2022, , .		6
141	Improving balance technique for high frequency common mode noise reduction in boost PFC converters. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	5
142	Integrated Input EMI Filter for a 2 kW DC-fed 3-phase Motor Drive. , 2009, , .		5
143	Bi-directional isolated DC-DC converters with reactive power loss reduction for electric vehicle and grid support applications. , 2012, , .		5
144	Investigation and reduction of line frequency common mode voltages at the outputs of AC/DC power converters. , 2017, , .		5

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145	EMI Modeling and Reduction in Modern Power Electronics Systems. , 2018, , .		5
146	Modeling and Critical Winding Geometric Parameter Identification for the Near Electric Field from Helical Inductors. , 2019, , .		5
147	Investigate and Improve the Distorted Waveforms for Core Loss Measurement with Arbitrary Excitations. , 2021, , .		5
148	Radiated Electromagnetic Interference Modeling for Three Phase Motor Drive Systems with SiC Power Modules. , 2021, , .		5
149	Radiated Electromagnetic Interference Source Modeling for a Three Phase Motor Drive System with a SiC Power Module. , 2021, , .		5
150	Twisted Core Coupled Inductors for Microprocessor Voltage Regulators. , 2007, , .		4
151	Equivalent parallel capacitance cancellation for noise reduction application. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	4
152	Asymmetric selective harmonic elimination technique using partial derivative for cascaded modular active rectifiers tied to a power grid with voltage harmonics. , 2016, , .		4
153	Advances in electromagnetic interference modeling and noise reduction for adjustable speed motor drive systems. , 2017, , .		4
154	Analyzing and Reducing Current Harmonics of AC and DC sides of Cascaded H-Bridge Converters for Electric Vehicle Charging Stations. , 2019, , .		4
155	Near Field Coupling Measurement and Modeling between High Voltage and Low Voltage Cables in Electric Vehicles. , 2020, , .		4
156	Characterization and Design of Filter Inductors and Capacitors to Suppress the Radiated EMI in A Power Converter. , 2022, , .		4
157	Optimized Design of Distributed Power Systems for High Efficiency, High Power Density and Low EMI Noise. , 2006, , .		3
158	Hybrid EMI filter design for common mode EMI suppression in a motor drive system. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	3
159	Common mode EMI study and reduction technique in interleaved Multi-channel PFC. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	3
160	Investigating parasitic capacitance cancellation for EMI suppression. , 2009, , .		3
161	Improving the performance of an active power filter as part of a multifunctional high power electrical vehicle charging station. , 2013, , .		3
162	Integration of parasitic cancellation techniques for EMI filter design. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	2

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163	DM EMI noise prediction in constant on-time PFC. , 2009, , .		2
164	Differential mode (DM) current ripple EMI noise analysis for three-phase Vienna type rectifiers. , 2016, , .		2
165	Increase High Frequency Impedance of Ferrite Toroid Inductors Based on Electromagnetic Energy Analysis. , 2019, , .		2
166	Optimize the Winding Structure of Flyback Transformers with Arbitrary Phase-Shifted Current Waveforms. , 2019, , .		2
167	Common Mode Noise Reduction for Power Converters with Parasitic Capacitance Cancellation. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	1
168	Effects of mutual inductance between inductors and capacitors on LC filter performance. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	1
169	Develop parasitic inductance model for the planar busbar of an IGBT H bridge in a power inverter. , 2014, , .		1
170	Investigating a guard trace ring to suppress the crosstalk due to a clock trace on a power electronics DSP control board. , 2014, , .		1
171	A stacked common mode inductor with small external magnetic field susceptibility, low magnetic field emission and high differential mode inductance. , 2015, , .		1
172	DC link voltage balancing technique for cascaded H-bridge multilevel converter with selective harmonic current mitigation-PWM. , 2017, , .		1
173	A Technique to Accurately Predict EMI Noise Spectrum in Wide Frequency Ranges Based on the Principles of Spectrum Analyzers. , 2018, , .		1
174	An Asymmetric Selective Harmonic Current and Voltage Modulation-PWM Technique for Electric Vehicle Charging Stations with Cascaded H-Bridge Converters to Meet Power Quality Standards. , 2019, , .		1
175	Inductor Winding Capacitance Cancellation for Flyback Converters without Grounding Paths. , 2020, , .		1
176	Electromagnetic Interference Spectrum Steering Technique using Switching Angles Modulation in GaN DC-DC Converters. , 2020, , .		1
177	Investigating the influence of semiconductor device voltage drops on harmonic and reactive current compensation with cascaded multilevel inverters. , 2014, , .		0
178	Common-mode EMI Noise Modeling and Reduction using Balance Technique for AC-DC-AC Traction Systems with Paralleled Power Modules. , 2018, , .		0
179	Corrections to "Prediction and Analysis of EMI Spectrum Based on the Operating Principle of EMC Spectrum Analyzers": IEEE Transactions on Power Electronics, 2020, 35, 5541-5541.	5.4	0
180	Investigating the interference of common mode noises of AC/DC power adapters to the touchscreens of consumer electronics. , 2017, , .		0