# Shuo Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3270482/publications.pdf

Version: 2024-02-01

| 180 | 5,152 | 87843 38 | 114418 63 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 180 | 180 | 180 | 1914 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Improved Balance Technique for Common-Mode Noise Suppression of PCB-Based PFC. IEEE Transactions on Power Electronics, 2022, 37, 4174-4182. | 5.4 | 19 |
| 2 | 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 |
| 3 | Addressing the range anxiety of battery electric vehicles with charging en route. Scientific Reports, 2022, 12, 5588. | 1.6 | 44 |
| 4 | 11-kW High-Frequency High-Density Bidirectional OBC with PCB Winding Magnetic Design. , 2022, , . | | 6 |
| 5 | Modeling and Reduction of Radiated EMI due to Ground Impedance in a High-density Active-clamp Flyback Power Adapter. , 2022, , . | | 10 |
| 6 | 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 |
| 7 | Characterization and Design of Filter Inductors and Capacitors to Suppress the Radiated EMI in A Power Converter. , 2022, , . | | 4 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | Investigate and Improve the Distorted Waveforms for Core Loss Measurement with Arbitrary Excitations. , 2021, , . | | 5 |
| 13 | Advances in Modeling and Reduction of Conducted and Radiated EMI in Non-isolated Power Converters. , 2021, , . | | 16 |
| 14 | Investigation of Noise Spectrum and Radiated EMI in High Switching Frequency Flyback Converters. , 2021, , . | | 14 |
| 15 | Radiated Electromagnetic Interference Modeling for Three Phase Motor Drive Systems with SiC Power Modules. , 2021, , . | | 5 |
| 16 | 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 |
| 17 | Near Magnetic Field Assessment and Reduction for Magnetic Inductors with Magnetic Moment Analysis. IEEE Transactions on Power Electronics, 2021, , 1-1. | 5.4 | 7 |
| 18 | Radiated EMI Reduction with Double Shielding Techniques in Active-clamp Flyback Converters. , 2021, , . | | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Radiated Electromagnetic Interference Source Modeling for a Three Phase Motor Drive System with a SiC Power Module. , 2021, , . | | 5 |
| 20 | A Survey of Modeling and Reduction Techniques of Radiated EMI in Power Electronics. , 2021, , . | | 22 |
| 21 | Electric Near Field Emission From a 1Mhz Power Converter For Electric Vehicles. , 2021, , . | | 7 |
| 22 | 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 |
| 23 | Common-Mode EMI Noise Analysis and Reduction for ACâ€“DCâ€“AC Systems With Paralleled Power Modules. IEEE Transactions on Power Electronics, 2020, 35, 6989-7000. | 5.4 | 25 |
| 24 | 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 |
| 25 | 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 |
| 26 | A crosstalk suppression technique for SiC MOSFETs in the bridge-leg configuration. , 2020, , . | | 10 |
| 27 | Near Magnetic Field Emission Analysis for IGBT and SiC Power Modules. , 2020, , . | | 8 |
| 28 | Near Field Coupling Measurement and Modeling between High Voltage and Low Voltage Cables in Electric Vehicles. , 2020, , . | | 4 |
| 29 | Inductor Winding Capacitance Cancellation for Flyback Converters without Grounding Paths. , 2020, , . | | 1 |
| 30 | Investigation and Reduction of Near Electric Field Emitted from a Power Helical Inductor. , 2020, , . | | 8 |
| 31 | Electromagnetic Interference Spectrum Steering Technique using Switching Angles Modulation in GaN DC-DC Converters. , 2020, , . | | 1 |
| 32 | Analysis and Reduction of Radiated EMI in High-Frequency GaN IC-based Active Clamp Flyback Converters. , 2020, , . | | 16 |
| 33 | Modeling and Reduction of Radiated EMI in Non-isolated Power Converters in Automotive Applications. , 2020, , . | | 16 |
| 34 | Single Stage EMI Filter for Server Power Supply. , 2020, , . | | 6 |
| 35 | Analysis and Reduction of the Near Magnetic Field Emission From Toroidal Inductors. IEEE Transactions on Power Electronics, 2020, 35, 6251-6268. | 5.4 | 28 |
| 36 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | 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 |
| 38 | Corrections to â€œPrediction and Analysis of EMI Spectrum Based on the Operating Principle of EMC Spectrum Analyzersâ€• IEEE Transactions on Power Electronics, 2020, 35, 5541-5541. | 5.4 | 0 |
| 39 | Near Field Coupling's Impact on Radiated EMI and Mitigation Techniques for Power Converters in Automotive Applications. , 2020, , . | | 12 |
| 40 | Advances of Modeling and Reduction of Conducted and Radiated EMI in Flyback Converters. , 2020, , . | | 25 |
| 41 | Investigation and Reduction of a Low-Frequency EMI Noise of AC/DC Power Adapters with Diode Bridge as Input Rectifier. , 2020, , . | | 6 |
| 42 | Radiated EMI Reduction by Layout Improvement in Power Converters in Automotive Applications. , 2020, , . | | 11 |
| 43 | 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 |
| 44 | 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 |
| 45 | Modeling and Critical Winding Geometric Parameter Identification for the Near Electric Field from Helical Inductors. , 2019, , . | | 5 |
| 46 | Investigation of Radiated Electromagnetic Interference for an Isolated High-Frequency DCâ€“DC Power Converter With Power Cables. IEEE Transactions on Power Electronics, 2019, 34, 9632-9643. | 5.4 | 51 |
| 47 | Comparison of Radiated Electromagnetic Interference (EMI) Generated by Power Converters with Silicon MOSFETs and GaN HEMTs. , 2019, , . | | 8 |
| 48 | Parasitic Inductance Modeling and Reduction for a Wire Bonded Half Bridge SiC MOSFET Multichip Power Module. , 2019, , . | | 18 |
| 49 | Design of CM Inductor Based on Core Loss for Radiated EMI Reduction in Power Converters. , 2019, , . | | 27 |
| 50 | Analyzing and Reducing Current Harmonics of AC and DC sides of Cascaded H-Bridge Converters for Electric Vehicle Charging Stations. , 2019, , . | | 4 |
| 51 | Comparative Analysis of Magnetic Core Loss Measurement Methods with Arbitrary Excitations. , 2019, , . | | 12 |
| 52 | Integrated Matrix Transformer with Optimized PCB Winding for High-Efficiency High-Power-Density LLC Resonant Converter. , 2019, , . | | 24 |
| 53 | Increase High Frequency Impedance of Ferrite Toroid Inductors Based on Electromagnetic Energy Analysis. , 2019, , . | | 2 |
| 54 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Optimize the Winding Structure of Flyback Transformers with Arbitrary Phase-Shifted Current Waveforms. , 2019, , . | | 2 |
| 56 | Investigation of Radiated EMI in Non-isolated Power Converters with Power Cables in Automotive Applications. , 2019, , . | | 22 |
| 57 | 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 |
| 58 | Investigation and Modeling of Combined Feedforward and Feedback Control Schemes to Improve the Performance of Differential Mode Active EMI Filters in ACâ€“DC Power Converters. IEEE Transactions on Industrial Electronics, 2019, 66, 6538-6548. | 5.2 | 20 |
| 59 | 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 |
| 60 | 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 |
| 61 | EMI noise source modeling based on network theory for power converters with mixed-mode characterization. , 2018, , . | | 8 |
| 62 | Modeling and reduction of radiated EMI for isolated power converters. , 2018, , . | | 13 |
| 63 | 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 |
| 64 | Design of fast charging technique for electrical vehicle charging stations with grid-tied cascaded H-bridge multilevel converters. , 2018, , . | | 18 |
| 65 | The state of charge balancing techniques for electrical vehicle charging stations with cascaded H-bridge multilevel converters. , 2018, , . | | 14 |
| 66 | 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 |
| 67 | 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 |
| 68 | 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 |
| 69 | Electromagnetic interference modeling and suppression techniques in variable-frequency drive systems. Frontiers of Mechanical Engineering, 2018, 13, 329-353. | 2.5 | 13 |
| 70 | Common-mode EMI Noise Modeling and Reduction using Balance Technique for AC-DC-AC Traction Systems with Paralleled Power Modules. , 2018, , . | | 0 |
| 71 | A Universal DM/CM Physical Model for Power Transformer EMI Analysis within both Conducted and Radiated Frequency Ranges. , 2018, , . | | 11 |
| 72 | A Technique to Accurately Predict EMI Noise Spectrum in Wide Frequency Ranges Based on the Principles of Spectrum Analyzers. , 2018, , . | | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | The Parasitic Capacitance of Magnetic Components with Ferrite Cores Due to Time-Varying Electromagnetic (EM) Field. , 2018, , . | | 11 |
| 74 | Modeling and Reduction of Radiated Common Mode Current in Flyback Converters. , 2018, , . | | 30 |
| 75 | Radiated EMI Modeling of the Non-Isolated DC-DC Power Converters with Attached Cables. , 2018, , . | | 6 |
| 76 | Fast and Precise Detection of Internal Short Circuit on Li-Ion Battery. , 2018, , . | | 6 |
| 77 | Reduction and Cancellation Techniques for the Near Field Capacitive Coupling and Parasitic Capacitance of Inductors. , 2018, , . | | 8 |
| 78 | Measurement Techniques of CM Currents, Impedance and Voltages for Radiated EMI in Isolated Power Converters. , 2018, , . | | 11 |
| 79 | EMI Modeling and Reduction in Modern Power Electronics Systems. , 2018, , . | | 5 |
| 80 | Investigation of magnetic field immunity and near magnetic field reduction for the inductors in high power density design. , 2018, , . | | 6 |
| 81 | Two-Capacitor Transformer Winding Capacitance Models for Common-Mode EMI Noise Analysis in Isolated DCâ€“DC Converters. IEEE Transactions on Power Electronics, 2017, 32, 8458-8469. | 5.4 | 90 |
| 82 | 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 |
| 83 | DC link voltage balancing technique for cascaded H-bridge multilevel converter with selective harmonic current mitigation-PWM. , 2017, , . | | 1 |
| 84 | 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 |
| 85 | Techniques of the modeling, measurement and reduction of common mode noise for a multi-winding switching transformer. , 2017, , . | | 10 |
| 86 | Analysis and reduction of the near magnetic field radiation from magnetic inductors. , 2017, , . | | 13 |
| 87 | 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 |
| 88 | Advances in electromagnetic interference modeling and noise reduction for adjustable speed motor drive systems. , 2017, , . | | 4 |
| 89 | 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 |
| 90 | Winding and air gap configurations for power inductors to reduce near magnetic field emission. , 2017, , . | | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Develop common-mode EMI noise models for AC-DC-AC traction systems. , 2017, , . | | 7 |
| 92 | Investigation and reduction of line frequency common mode voltages at the outputs of AC/DC power converters. , 2017, , . | | 5 |
| 93 | Investigation of multiple feedback active filter configurations for differential mode(DM) electromagnetic interference(EMI) noise in AC/DC converter applications. , 2017, , . | | 6 |
| 94 | Predicting far-field radiation with the emission models of power converters. , 2017, , . | | 13 |
| 95 | Investigating the interference of common mode noises of AC/DC power adapters to the touchscreens of consumer electronics. , 2017, , . | | 0 |
| 96 | Modeling, analysis and design of differential mode active EMI filters with feedforward and feedback configurations for AC-DC converters. , 2016, , . | | 11 |
| 97 | Systematic modeling for a three phase inverter with motor and long cable using optimization method. , 2016, , . | | 7 |
| 98 | Two-capacitor transformer winding capacitance models for common-mode EMI noise analysis in isolated DC-DC converters. , 2016, , . | | 9 |
| 99 | 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 |
| 100 | Differential mode (DM) current ripple EMI noise analysis for three-phase Vienna type rectifiers. , 2016, , . | | 2 |
| 101 | Asymmetric selective harmonic elimination technique using partial derivative for cascaded modular active rectifiers tied to a power grid with voltage harmonics. , 2016, , . | | 4 |
| 102 | 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 |
| 103 | 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 |
| 104 | A real-time selective harmonic compensation (SHC) based on asymmetric switching angle modulation and current feedback control for cascaded modular multilevel inverters. , 2015, , . | | 8 |
| 105 | Modeling and analysis of hybrid differential mode filters for AC/DC converters to suppress current ripples and EMI. , 2015, , . | | 6 |
| 106 | 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 |
| 107 | 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 |
| 108 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | A Generalized Common-Mode Current Cancelation Approach for Power Converters. IEEE Transactions on Industrial Electronics, 2015, 62, 4130-4140. | 5.2 | 93 |
| 110 | A stacked common mode inductor with small external magnetic field susceptibility, low magnetic field emission and high differential mode inductance. , 2015, , . | | 1 |
| 111 | Design of an active differential mode current filter for a boost power factor correction AC-DC converter. , 2015, , . | | 13 |
| 112 | Develop parasitic inductance model for the planar busbar of an IGBT H bridge in a power inverter. , 2014, , . | | 1 |
| 113 | Investigating the influence of semiconductor device voltage drops on harmonic and reactive current compensation with cascaded multilevel inverters. , 2014, , . | | 0 |
| 114 | Investigating a guard trace ring to suppress the crosstalk due to a clock trace on a power electronics DSP control board. , 2014, , . | | 1 |
| 115 | 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 |
| 116 | EMI reduction with near field coupling suppression techniques for planar transformers and CM chokes in switching-mode power converters. , 2013, , . | | 15 |
| 117 | Novel Techniques to Suppress the Common-Mode EMI Noise Caused by Transformer Parasitic Capacitances in DCâ€“DC Converters. IEEE Transactions on Industrial Electronics, 2013, 60, 4968-4977. | 5.2 | 88 |
| 118 | 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 |
| 119 | Grid active power filters using cascaded multilevel inverters with direct asymmetric switching angle control for grid support functions. , 2013, , . | | 10 |
| 120 | Improving the performance of an active power filter as part of a multifunctional high power electrical vehicle charging station. , 2013, , . | | 3 |
| 121 | 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 |
| 122 | Bi-directional isolated DC-DC converters with reactive power loss reduction for electric vehicle and grid support applications. , 2012, , . | | 5 |
| 123 | Investigating the power architectures and circuit topologies for megawatt superfast electric vehicle charging stations with enhanced grid support functionality. , 2012, , . | | 46 |
| 124 | Modeling of a grid-connected, multifunctional electric vehicle charging station in active filter mode with DQ theory. , 2012, , . | | 8 |
| 125 | A 4800-V grid-connected electric vehicle charging station that provides STACOM-APF functions with a bi-directional, multi-level, cascaded converter. , 2012, , . | | 23 |
| 126 | Modeling and Design of EMI Noise Separators for Multiphase Power Electronics Systems. IEEE Transactions on Power Electronics, 2011, 26, 3163-3173. | 5.4 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Novel concepts for high frequency high efficiency transformer design. , 2011, , . | | 8 |
| 128 | Study of Conducted EMI Reduction for Three-Phase Active Front-End Rectifier. IEEE Transactions on Power Electronics, 2011, 26, 3823-3831. | 5.4 | 55 |
| 129 | Reducing Common-Mode Noise in Two-Switch Forward Converter. IEEE Transactions on Power Electronics, 2011, 26, 1522-1533. | 5.4 | 60 |
| 130 | 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 |
| 131 | Improve vehicle's function safety with an approach investigating vehicle's electromagnetic interference with its function safety. , 2011, , . | | 6 |
| 132 | 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 |
| 133 | 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 |
| 134 | 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 |
| 135 | Analysis and Applications of Parasitic Capacitance Cancellation Techniques for EMI Suppression. IEEE Transactions on Industrial Electronics, 2010, 57, 3109-3117. | 5.2 | 80 |
| 136 | Investigation on transformer design of high frequency high efficiency dc-dc converters. , 2010, , . | | 79 |
| 137 | High-Density EMI Filter Design for DC-Fed Motor Drives. IEEE Transactions on Power Electronics, 2010, 25, 1163-1172. | 5.4 | 89 |
| 138 | An Integrated EMI Choke for Differential-Mode and Common-Mode Noise Suppression. IEEE Transactions on Power Electronics, 2010, 25, 539-544. | 5.4 | 68 |
| 139 | Research on LTCC Capacitors and its Potential for High Power Converters. , 2009, , . | | 6 |
| 140 | DM EMI noise prediction in constant on-time PFC. , 2009, , . | | 2 |
| 141 | Investigating parasitic capacitance cancellation for EMI suppression. , 2009, , . | | 3 |
| 142 | Reducing common mode EMI noise in two-switch forward converter. , 2009, , . | | 19 |
| 143 | High-Density EMI Filter Design for Dc-Fed Motor Drives. , 2009, , . | | 7 |
| 144 | Integrated Input EMI Filter for a 2 kW DC-fed 3-phase Motor Drive. , 2009, , . | | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Common Mode EMI Noise Suppression for Bridgeless PFC Converters. IEEE Transactions on Power Electronics, 2008, 23, 291-297. | 5.4 | 167 |
| 146 | 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 |
| 147 | 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 |
| 148 | Integration of parasitic cancellation techniques for EMI filter design. IEEE Applied Power Electronics Conference and Exposition, 2008, , . | 0.0 | 2 |
| 149 | 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 |
| 150 | Improving balance technique for high frequency common mode noise reduction in boost PFC converters. Power Electronics Specialist Conference (PESC), IEEE, 2008, , . | 0.0 | 5 |
| 151 | Power architecture design with improved system efficiency, EMI and power density. Power Electronics Specialist Conference (PESC), IEEE, 2008, , . | 0.0 | 53 |
| 152 | Hybrid EMI filter design for common mode EMI suppression in a motor drive system. Power Electronics Specialist Conference (PESC), IEEE, 2008, , . | 0.0 | 3 |
| 153 | Equivalent parallel capacitance cancellation for noise reduction application. IEEE Applied Power Electronics Conference and Exposition, 2008, , . | 0.0 | 4 |
| 154 | Common mode EMI study and reduction technique in interleaved Multi-channel PFC. IEEE Applied Power Electronics Conference and Exposition, 2008, , . | 0.0 | 3 |
| 155 | Effects of mutual inductance between inductors and capacitors on LC filter performance. Power Electronics Specialist Conference (PESC), IEEE, 2008, , . | 0.0 | 1 |
| 156 | Investigating the grounding of EMI filters in power electronics systems. Power Electronics Specialist Conference (PESC), IEEE, 2008, , . | 0.0 | 8 |
| 157 | Negative Capacitance and its Applications on Parasitic Cancellation for EMI Noise Suppression. , 2007, , . | | 12 |
| 158 | Common Mode Noise Reduction for Power Converters with Parasitic Capacitance Cancellation. IEEE Applied Power Electronics Conference and Exposition, 2007, , . | 0.0 | 1 |
| 159 | Twisted Core Coupled Inductors for Microprocessor Voltage Regulators. , 2007, , . | | 4 |
| 160 | EMI Suppression in Voltage Source Converters by Utilizing dc-link Decoupling Capacitors. IEEE Transactions on Power Electronics, 2007, 22, 1417-1428. | 5.4 | 76 |
| 161 | Common Mode Noise Reduction for Boost Converters Using General Balance Technique. IEEE Transactions on Power Electronics, 2007, 22, 1410-1416. | 5.4 | 184 |
| 162 | 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 |
|---|---|---|---|
| 163 | 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 |
| 164 | Common mode EMI noise suppression in bridgeless boost PFC converter. IEEE Applied Power Electronics Conference and Exposition, 2007, , . | 0.0 | 32 |
| 165 | Optimized Design of Distributed Power Systems for High Efficiency, High Power Density and Low EMI Noise. , 2006, , . | | 3 |
| 166 | Cancellation of capacitor parasitic parameters for noise reduction application. IEEE Transactions on Power Electronics, 2006, 21, 1125-1132. | 5.4 | 49 |
| 167 | Design of Inductor Winding Capacitance Cancellation for EMI Suppression. IEEE Transactions on Power Electronics, 2006, 21, 1825-1832. | 5.4 | 62 |
| 168 | Inductor Winding Capacitance Cancellation Using Mutual Capacitance Concept for Noise Reduction Application. IEEE Transactions on Electromagnetic Compatibility, 2006, 48, 311-318. | 1.4 | 44 |
| 169 | Improving the Characteristics of Integrated EMI Filters by Embedded Conductive Layers. IEEE Transactions on Power Electronics, 2005, 20, 611-619. | 5.4 | 115 |
| 170 | Characterization, Evaluation, and Design of Noise Separator for Conducted EMI Noise Diagnosis. IEEE Transactions on Power Electronics, 2005, 20, 974-982. | 5.4 | 92 |
| 171 | Characterization and Parasitic Extraction of EMI Filters Using Scattering Parameters. IEEE Transactions on Power Electronics, 2005, 20, 502-510. | 5.4 | 132 |
| 172 | Improvement of EMI Filter Performance With Parasitic Coupling Cancellation. IEEE Transactions on Power Electronics, 2005, 20, 1221-1228. | 5.4 | 82 |
| 173 | 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 |
| 174 | Effects of Parasitic Parameters on EMI Filter Performance. IEEE Transactions on Power Electronics, 2004, 19, 869-877. | 5.4 | 245 |
| 175 | Single layer iron powder core inductor model and its effect on boost PFC EMI noise. , 0, , . | | 25 |
| 176 | Integration of EMI filter for distributed power system (DPS) front-end converter. , 0, , . | | 20 |
| 177 | Improving the performance of boost PFC EMI filters. , 0, , . | | 42 |
| 178 | Technologies and characteristics of integrated EMI filters for switch mode power supplies. , 0, , . | | 24 |
| 179 | Using scattering parameters to characterize EMI filters. , 0, , . | | 19 |
| 180 | EMI Suppression in Voltage Source Converters by Utilizing DC-link Decoupling Capacitors. , 0, , . | | 7 |