POWER ELECTRONICS IEEE PROJECTS

1. A Novel ZVT-ZCT-PWM Boost Converter - Jan 2014
2. Current Control Methods for an Asymmetrical Six-Phase Induction Motor Drive - Jan 2014
3. Dual Three-Phase Indirect Matrix Converter With Carrier-Based PWM Method - Feb 2014
5. An Efficient Partial Power Processing DC/DC Converter for Distributed PV Architectures - Feb 2014
7. Buck/Boost DC–DC Converter Topology With Soft Switching in the Whole Operating Region - Feb 2014
8. A Half-Bridge LLC Resonant Converter Adopting Boost PWM Control Scheme for Hold-Up State Operation - Feb 2014
10. A CCM/DCM Dual-Mode Synchronous Rectification Controller for a High-Efficiency Fly back Converter - Feb 2014
13. A Zero-Voltage Switching Three-Phase Inverter - March 2014
15. Switching Frequency Derivation for the Cascaded Multilevel Inverter Operating in Current Control Mode - March 2014
17. Feed forward Control for Grid-Tied Micro grid Systems - March 2014
19. Zero Voltage Switching Technique for Bidirectional DC/DC Converters - April 2014
22. A Dynamic Model of Switched-Capacitor Power Converters - April 2014
23. A Two-Mode Control Scheme With Input Voltage Feed-Forward for the Two-Switch Buck-Boost Converter - April 2014
24. Multivariable Control of Single-Inductor Dual-Output Buck Converters - April 2014
25. Bidirectional Current Sensor less Control for the Full-Bridge AC/DC Converter With Conduction Voltages - April 2014
27. Model-Predictive Control of Grid-Tied Four-Level Diode-Clamped Inverters for High-Power Wind Energy Systems - June 2014
29. Open-Circuit Fault Diagnosis in Interleaved DC–DC Converters - June 2014
30. Common-Mode and Differential-Mode Active Damping for PWM Rectifiers - June 2014
31. Initial Capacitor Charging in Grid-Connected Flying Capacitor Multilevel Converters - July 2014
32. New Parallel ZVS Converter With Less Active Switches and Smaller Output Inductance - July 2014
33. Anti-Islanding for Three-Phase One-Cycle Control Grid Tied Inverter - July 2014
A Modified LLCL Filter With the Reduced Conducted EMI Noise - July 2014
Design of EMI Filters Having Low Harmonic Distortion in High-Power-Factor Converters - July 2014
A Solar Power Generation System With a Seven-Level Inverter - July 2014
A ZVS-PWM Full-Bridge Converter With Reduced Conduction Losses - July 2014
A Very Low-Profile Dual Output LLC Resonant Converter for LCD/LED TV Applications - July 2014
A Hybrid Cascaded Multilevel Converter for Battery Energy Management Applied in Electric Vehicles - July 2014
The Transformerless Single-Phase Universal Active Power Filter for Harmonic and Reactive Power Compensation - July 2014
Voltage-Fed Dual Active Bridge Bidirectional DC/DC Converter With an Immittance Network - July 2014
Isolated High Step-Up DC–DC Converter With Low Voltage Stress - July 2014
Design and Control of a Bidirectional Resonant DC–DC Converter for Automotive Engine/Battery Hybrid Power - July 2014
LMI-Based Control for Grid-Connected Converters With LCL Filters Under Uncertain Parameters - July 2014
Design and Implementation of Sensorless Capacitor Voltage Balancing Control for Three-Level Boosting PFC - July 2014
Characterizing the Dynamics of the Peak-Current-Mode-Controlled Buck-Power-Stage Converter in PV Applications - July 2014
Design and Implementation of Three-Phase Two-Stage Grid-Connected Module Integrated Converter - AUG2014
Single-Stage Multistring PV Inverter With an Isolated High-Frequency Link and Soft-Switching Operation - AUG2014
A Soft-Switched Hybrid-Modulation Scheme for a Capacitor-Less Three-Phase Pulsating-DC-Link Inverter - AUG2014
Sparse AC-Link Buck–Boost Inverter - AUG2014
Optimal ZVS Modulation of Single-Phase Single-Stage Bidirectional DAB AC–DC Converters - AUG2014
A Single-Stage Dual-Active-Bridge-Based Soft Switched AC–DC Converter With Open-Loop P.Factor Correction - AUG2014
The High-Efficiency Isolated AC–DC Converter Using the Three-Phase Interleaved LLC Resonant Converter - AUG2014
Improved Instantaneous Current Control for High-Power Three-Phase Dual-Active Bridge DC–DC Converters - AUG2014
High-Frequency Operation of a DC/AC/DC System for HVDC Applications - AUG2014
Soft-Switching Full-Bridge PWM Converter With Controlled Output Rectifier and Secondary Energy Recovery - AUG2014
High Efficiency Resonant DC/DC Converter Utilizing a Resistance Compression Network - AUG2014
High-Frequency-Link Soft-Switching PWM DC–DC Converter for EV On-Board Battery Chargers - AUG2014
Isolated ZVS High-Frequency-Link AC-AC Converter With a Reduced Switch Count - AUG2014
A High-Frequency Link Multilevel Cascaded Medium-Voltage Converter for Direct Grid Integration Energy Systems - AUG2014
A Family of Dual-Phase-Combined Zero-Current Switching Switched-Capacitor Converters - AUG2014
A Cascaded Multilevel Inverter Based on Switched-Capacitor for High-Frequency AC Power - AUG2014
Steady-State and Dynamic Input Current Low-Frequency Ripple Reduction in 2 Stage 1 Phase Inverters - AUG2014
A New LLC Series Resonant Converter with a Narrow Switching Frequency Reduced Conduction Losses - AUG2014
Multi-MOSFET-Based Series Resonant Inverter for Improved Efficiency and Induction Heating appl - AUG2014
An LTCL Filter for Three-Phase Grid-Connected Converters - AUG2014
LLC Resonant Converter With Matrix Transformer - AUG2014
A Family of Multilevel Passive Clamp Circuits With Coupled Inductor Suitable for 1 Phase Isolated Full-Bridge - AUG2014
A High-Performance Resonant Gate-Drive Circuit for MOSFETs and IGBTs - AUG2014
71 Partial-Resonant Buck-Boost and Flyback DC–DC Converters  
72 Burst-Mode Resonant LLC Converter for an LED Luminaire With Visible Light for Smart Buildings -  
73 A Control Strategy and Design Method for Interleaved LLC Converters Operating at Variable Frequency -  
74 Self-Oscillating Contactless Resonant Converter With Phase Detection Contactless Current Transformer -  
75 An On-Chip High-Speed Current Sensor Applied in the Current-Mode DC–DC Converter - Sept 2014  
76 A PFC Converter With Novel Integration of Both the EMI Filter and Boost Inductor - Sept 2014  
77 New Step-Up/Step-Down DC–AC Converter  
78 An Active Soft Switched Phase-Shifted Full-Bridge DC–DC Converter: Design, and Implementation - Sept 2014  
79 Voltage-Balancing Method Using Phase-Shifted PWM for the Flying Capacitor Multilevel Converter - Sept 2014  
80 Switching Strategy Based on Model Predictive Control of VSI to Obtain High Efficiency and Distribution - Sept 2014  
81 Accurate Capacitor Voltage Ripple Estimation and Current Control for Grid-Connected Multilevel Converters - Sept 2014  
82 Space-Vector-Based Hybrid Pulsewidth Modulation Techniques for a Three-Level Inverter - Sept 2014  
84 EMI Behavioral Models of DC-Fed Three-Phase Motor Drive Systems - Sept 2014  
86 Exact Maximum Power Point Tracking of Grid-Connected Partially Shaded PV Source - Sept 2014  
87 Novel Three-Port Converter With High-Voltage Gain - Sept 2014  
88 A Modular Balancing Bridge for Series Connected Voltage Sources - Sept 2014  
89 A New Resonant Bidirectional DC–DC Converter Topology - Sept 2014  
90 Asymmetrical Half-Bridge Double-Input DC/DC Converters for Low Power Applications - Sept 2014  
91 High-Efficiency Bridgeless Flyback Rectifier With Bidirectional Switch and Dual Output Windings - Sept 2014  
92 Single Power-Conversion AC–DC Converter With High Power Factor and High Efficiency - Sept 2014  
96 A Feedback-Type Phase Voltage Compensation Strategy Based on Phase Current Reconstruction for ACIM Drives - Sept 2014  
97 A Voltage Balancing Strategy With Extended Operating Region for Cascaded-Bridge Converters - Sept 2014  
98 Derivation of a Stationary-Frame Single-Loop Controller for Three-Phase Standalone Inverter - Sept 2014  
99 Control of Nonminimum Phase Load Current in a Boost Converter Using Output Redefinition - Sept 2014