

|  |  |  |
| --- | --- | --- |
| S.No. | Title of The Paper | Year of Publication |
| 1. | A new multi-level inverter with reverse connected dual dc to dc converter at simulation | 2022 |
| 2. | A Grid Frequency Support Control Strategy of the Three-Phase Cascaded H-Bridge Based Photovoltaic Generation Systems | 2022 |
| 3. | A New Multi-Output DC-DC Converter for Electric Vehicle Application | 2022 |
| 4. | A Pencil Shaped 9-Level Multilevel Inverter With Voltage Boosting Ability: Configuration and Experimental Investigation | 2022 |
| 5. | APower Management Scheme for Grid-connected PV Integrated with Hybrid Energy Storage System | 2022 |
| 6. | A Ring-Connected Dual Active Bridge Based DC-DC Multiport Converter for EV Fast-Charging Stations | 2022 |
| 7. | A Switched-Capacitor Multilevel Inverter Using Series-Parallel Conversion With Reduced Components | 2022 |
| 8. | Active Converter Injection-based Protection for a Photovoltaic DC Distribution System | 2022 |
| 9. | Battery Current-Sharing Power Decoupling Method for Realizing a Single-Stage Hybrid PV System | 2022 |
| 10. | Bidirectional Power Control Strategy for Super Capacitor Energy Storage System Based on MMC DC-DC Converter | 2022 |
| 11. | Conception and Experimental Validation of a Standalone Photovoltaic System Using the SUPC5 Multilevel Inverter | 2022 |
| 12. | Control of PV Systems for Multimachine Power System Stability Improvement | 2022 |
| 13. | Deep Neural Network-Based Surrogate Model for Optimal Component Sizing of Power Converters Using Deep Reinforcement Learning | 2022 |
| 14. | Design of Active Fault-Tolerant Control System for Multilevel Inverters to Achieve Greater Reliability With Improved Power Quality | 2022 |
| 15. | Drive Control of a Permanent Magnet Synchronous Motor Fed by a Multi-level Inverter for Electric Vehicle Application | 2022 |
| 16. | Dynamic Voltage Stability Enhancement in Electric Vehicle Battery Charger Using Particle Swarm Optimization | 2022 |
| 17. | Improved Instantaneous Reactive Power (PQ) Theory Based Control of DVR for Compensating Extreme Sag and Swell | 2022 |
| 18. | Improved Squirrel Search Algorithm Driven Cascaded 2DOF-PID-FOI Controller for Load Frequency Control of Renewable Energy Based Hybrid Power System | 2022 |
| 19. | Investigation and validation of solar photovoltaicâ€‘fed modular multilevel inverter for marine waterâ€‘pumping applications | 2022 |
| 20. | Investigation on Amplitude-Domain Modulation for Three-Phase Energy Stored Quasi-Z Source Inverter | 2022 |
| 21. | Low-voltage ride through of multi-port power electronic transformer | 2022 |
| 22. | Machine Learning-Based Estimation of Output Current Ripple in PFC-IBC Used in Battery Charger of Electrical Vehicles: A Comparison of LR, RF and ANN Techniques | 2022 |
| 23. | Model-Based Maximum Power Point Tracking Algorithm With Constant Power Generation Capability and Fast DC-Link Dynamics for Two-Stage PV Systems | 2022 |
| 24. | Multi-Functional PV Inverter With Low Voltage Ride-Through and Constant Power Output | 2022 |
| 25. | Multi-Objective Design of Single-Phase Differential Buck Inverters With Active Power Decoupling | 2022 |
| 26. | Multi-Objective Optimization of PV and Energy Storage Systems for Ultra-Fast Charging Stations | 2022 |
| 27. | Multi-Port DC-AC Converter with Differential Power Processing DC-DC Converter and Flexible Power Control for Battery ESS Integrated PV Systems | 2022 |
| 28. | Negative Sequence Compensation Method for High-Speed Railway With Integrated Photovoltaic Generation System | 2022 |
| 29. | New Powertrain Configurations Based on Six-Phase Current-Source Inverters for Heavy-Duty Electric Vehicles | 2022 |
| 30. | Online State of Health Diagnostic Method of Battery cells in a Reconfigurable Battery System or Multilevel Inverter | 2022 |
| 31. | Operating Principle of Neutral-Point-Less (NPL) Multilevel Inverter Topology: X-type Inverter | 2022 |
| 32. | Optimal Controllers to Improve Transient Recovery of Grid-Following Inverters Connected to Weak Power Grids | 2022 |
| 33. | Optimal Management for Megawatt Level Electric Vehicle Charging Stations With a Grid Interface Based on Modular Multilevel Converter | 2022 |
| 34. | Optimized Controller Gains Using Grey Wolf Algorithm for Grid Tied Solar Power Generation with Improved Dynamics and Power Quality | 2022 |
| 35. | Optimized Fuzzy Controller Based on Cuckoo Optimization Algorithm for Maximum Power-Point Tracking of Photovoltaic Systems | 2022 |
| 36. | Optimized Reactive Power Control of Module Power Imbalance of Cascaded Converter | 2022 |
| 37. | Modeling and Estimation of the Losses of a Multi-Level Inverter with Integrated Battery for Electric Vehicles | 2022 |
| 38. | Performance Evaluation of an Active Neutral-Point-Clamped Multilevel Converter for Active Filtering in G2V-V2G and V2H Applications | 2022 |
| 39. | Performance Evaluation of Seven Level Reduced Switch ANPC Inverter in Shunt Active Power Filter With RBFNN-Based Harmonic Current Generation | 2022 |
| 40. | Photovoltaic Partial Shading Performance Evaluation With a DSTATCOM Controller | 2022 |
| 41. | Power System Frequency Control Architecture Combining Open Charge Point Protocol and Electric Vehicle Model Predictive Charge Rate Control | 2022 |
| 42. | Predictive Control With Battery Power Sharing Scheme for Dual Open-End-Winding Induction Motor Based Four-Wheel Drive Electric Vehicle | 2022 |
| 43. | Proportional-Integral-Derivative Parametric Autotuning by Novel Stable Particle Swarm Optimization (NSPSO) | 2022 |
| 44. | Reduced Sensor-Based Harmonic Resonance Detection and its Compensation in Power Distribution System With SAPF | 2022 |
| 45. | Soft Switching Multiphase Interleaved Boost Converter With High Voltage Gain for EV Applications | 2022 |
| 46. | Solar Photovoltaic System-Based Reduced Switch Multilevel Inverter for Improved Power Quality | 2022 |
| 47. | Solar PV-Fed Multilevel Inverter With Series Compensator for Power Quality Improvement in Grid-Connected Systems | 2022 |
| 48. | The optimization of torque ripple reduction by using DTC-multilevel inverter | 2022 |
| 49. | Three Phase Four Switch Inverter Based DVR for Power Quality Improvement With Optimized CSA Approach | 2022 |
| 50. | Three-Level T-Type Quasi-Z Source PV Grid-Tied Inverter With Active Power Filter Functionality Under Distorted Grid Voltage | 2022 |
| 51. | A Generalized Carrier-Overlapped PWM Method for Neutral-Point Clamped Multilevel Converters | 2020 |
| 52. | A Generalized Switched Inductor Cell Modular Multilevel Inverter | 2020 |
| 53. | A Low-harmonic Control Method of Bi-directional Three-phase Z-source Converters for Vehicle-to-Grid Applications | 2020 |
| 54. | A Microgrid Based on Wind Driven DFIG, DG and Solar PV Array for Optimal Fuel Consumption | 2020 |
| 55. | A New Step-Up Switched-Capacitor Voltage Balancing Converter for NPC Multilevel Inverter-Based Solar PV System | 2020 |
| 56. | A Single Input Variable FLC for DFIG Based WPGS in Standalone Mode | 2020 |
| 57. | An Efficient Inductive Power Transfer Topology for Electric Vehicle Battery Charging | 2020 |
| 58. | Asymmetrical Triangular Current Mode (ATCM) for Bidirectional High Step Ratio Modular Multilevel Dcâ€“Dc Converter | 2020 |
| 59. | Auto-Tuning Proportional-Type Synchronization Algorithm for DC Motor Speed Control Applications | 2020 |
| 60. | Cascaded Multilevel Inverter Based Power and Signal Multiplex Transmission for Electric Vehicles | 2020 |
| 61. | Cascaded Multilevel PV Inverter With Improved Harmonic Performance During Power Imbalance Between Power Cells | 2020 |
| 62. | Delta-Bar-Delta Neural Network (NN) Based Control Approach for Power Quality Improvement of Solar PV Interfaced Distribution System | 2020 |
| 63. | Dual-T-Type Five-Level Cascaded Multilevel Inverter With Double Voltage Boosting Gain | 2020 |
| 64. | Five-level one-capacitor boost multilevel inverter | 2020 |
| 65. | Generalized Phase-Shift PWM for Active-Neutral-Point-Clamped Multilevel Converter | 2020 |
| 66. | Grid-Connected Wind-Photovoltaic Cogeneration Using Back-to-Back Voltage Source Converters | 2020 |
| 67. | Hybrid cuckoo search algorithm and grey wolf optimiser-based optimal control strategy for performance enhancement of HVDC-based offshore wind farms | 2020 |
| 68. | Implementation of Solar PV- Battery and Diesel Generator Based Electric Vehicle Charging Station | 2020 |
| 69. | Incremental Passivity Control in Multilevel Cascaded H-Bridge Converters | 2020 |
| 70. | Integration of solar PV into grid using a new UPQC with differential inverter control | 2020 |
| 71. | Mitigation of transient overvoltages in microgrid including PV arrays | 2020 |
| 22. | Multilevel Converters with Symmetrical Half-Bridge Submodules and Sensorless Voltage Balance | 2020 |
| 73. | Multilevel Single-Phase Converter with Two DC Links | 2020 |
| 74. | Off-board electric vehicle battery charger using PV array | 2020 |
| 75. | Power optimisation scheme of induction motor using FLC for electric vehicle | 2020 |
| 76. | Self-Adjustable Step-Based Control Algorithm for Grid-Interactive Multifunctional Single-Phase PV-Battery System Under Abnormal Grid Conditions | 2020 |
| 77. | Sensorless SynRG Based Variable Speed Wind Generator and Single-stage Solar PV Array Integrated Grid System with Maximum Power Extraction Capability | 2020 |
| 78. | Single-phase boost DC-link integrated cascaded multilevel inverter for PV applications | 2020 |
| 79. | Single-Phase Dual-Mode Interleaved Multilevel Inverter (DMIMI) for PV Applications | 2020 |
| 80. | Switched-capacitor multilevel inverter with self-voltage-balancing for high-frequency power distribution system | 2020 |
| 81. | Unbiased Circular Leakage Centered Adaptive Filtering Control for Power Quality Improvement of Wind-Solar PV Energy Conversion System | 2020 |
| 82. | ZPUC: A New Configuration of Single DC Source for Modular Multilevel Converter (MMC) Applications | 2020 |
| 83. | A Generalized Multilevel Inverter Topology with Reduction of Total Standing Voltage | 2020 |
| 84. | A New Asymmetric Multilevel Inverter with Reduced Number of Components | 2020 |
| 85. | A Novel High-Gain DC-DC Converter Applied in Fuel Cell Vehicles | 2020 |
| 86. | A Step-up Multilevel Inverter Topology using Novel Switched Capacitor Converters with Reduced Components | 2020 |
| 87. | Adaptive Control of Voltage Source Converter Based Scheme for Power Quality Improved Grid-Interactive Solar PV- Battery System | 2020 |
| 88. | An Experimental Estimation of Hybrid ANFISâ€“PSO-Based MPPT for PV Grid Integration Under Fluctuating Sun Irradiance | 2020 |
| 89. | Bidirectional Buck-Boost Current-Fed Isolated DC-DC Converter and Its Modulation | 2020 |
| 90. | Control Algorithm based on Limit Cycle Oscillator-FLL for UPQC-S with Optimized PI Gains | 2020 |
| 91. | Enhanced DVR Control System based on the Harris Hawks Optimization Algorithm | 2020 |
| 92. | Grid Synchronization of WEC-PV-BES Based Distributed Generation System using Robust Control Strategy | 2020 |
| 93. | High Performance Frequency Converter Controlled Variable-Speed Wind Generator Using Linear-Quadratic Regulator Controller | 2020 |
| 94. | Improved Power Quality in a Solar PV Plant Integrated Utility Grid by Employing a Novel Adaptive Current Regulator | 2020 |
| 95. | Improving Microgrid Low-Voltage Ride-Through Capacity Using Neural Control | 2020 |
| 96. | Nonisolated DC-DC Converters with Wide Conversion Range for High-Power Applications | 2020 |
| 97. | Power Quality Improvement in Solar Fed Cascaded Multilevel Inverter with Output Voltage Regulation Techniques | 2020 |
| 98. | PSO optimized PIDF controller for Load-frequency control of A.C Multi-Islanded-Micro grid system | 2020 |
| 99. | Single-Stage PV-Grid Interactive Induction Motor Drive with Improved Flux Estimation Technique for Water Pumping with Reduced Sensors | 2020 |
| 100. | Switched Capacitor Integrated (2n+1)-Level Step-up Single-Phase Inverter | 2020 |
| 101. | Power Factor Correction of Three-Phase PWM AC Chopper Fed Induction Motor Drive System Using HBCC Technique. | 2019 |
| 102. | A Power Electronic Traction Transformer Configuration with Low-Voltage IGBTs for Onboard Traction Application. | 2019 |
| 103. | Carrier-Based Digital PWM and Multirate Technique of a Cascaded H-Bridge Converter for Power Electronic Traction Transformers. | 2019 |
| 104. | Operation Analysis and A Game Theoretic Approach to Dynamic Hybrid Compensator for the V/v Traction System. | 2019 |
| 105. | Coordination of MMCs With Hybrid DC Circuit Breakers for HVDC Grid Protection. | 2019 |
| 106. | A New Multilevel Inverter Topology With Reduce Switch Count. | 2019 |
| 107. | A Novel Multilevel DC/AC Inverter Based on Three-Level Half Bridge With Voltage Vector Selecting Algorithm | 2019 |
| 108. | A Novel Submodule Voltage Balancing Scheme for Modular Multilevel Cascade Converterâ€”Double-Star Chopper-Cells (MMCC-DSCC) Based STATCOM. | 2019 |
| 109. | A Single-Phase Transformer-Based Cascaded Asymmetric Multilevel Inverter With Balanced Power Distribution. | 2019 |
| 110. | Active power decoupling and controlling for single-phase FACTS device. | 2019 |
| 111. | Analysis of Logic Gates for Generation of Switching Sequence in Symmetric and Asymmetric Reduced Switch Multilevel Inverter. | 2019 |
| 112. | Design and Hardware Implementation Considerations of Modified Multilevel Cascaded H-Bridge Inverter for Photovoltaic System | 2019 |
| 113. | Direct Model Predictive Control of Novel H-Bridge Multilevel Inverter Based Grid-Connected Photovoltaic System | 2019 |
| 114. | Fuel cell integrated unified power quality conditioner for voltage and current reparation in four-wire distribution grid. | 2019 |
| 115. | Grid-tied single source quasi-Z-source cascaded multilevel inverter for PV applications. | 2019 |
| 116. | Low Switching Frequency Based Asymmetrical Multilevel Inverter Topology With Reduced Switch Count. | 2019 |
| 117. | Optimal Design of a New Cascaded Multilevel Inverter Topology With Reduced Switch Count. | 2019 |
| 118. | Switch Ladder Modified H-Bridge Multilevel Inverter With Novel Pulse Width Modulation Technique. | 2019 |
| 119. | Role of Outage Management Strategy in Reliability Performance of Multi-Microgrid Distribution Systems. | 2019 |
| 120. | Improved Coordinated Control Strategy for Hybrid STATCOM Using Required Reactive Power Estimation Method. | 2019 |
| 71. | Fault tolerant single-phase capacitor start capacitor run induction motor powered with cascaded multilevel quasi impedance source inverter. | 2019 |
| 122. | Coordination control of positive and negative sequence voltages of cascaded H-bridge STATCOM operating under imbalanced grid voltage. | 2019 |
| 123. | Control and operation of the MMC-based drive with reduced capacitor voltage fluctuations | 2019 |
| 124. | Application of UPFC to mitigate SSR in seriescompensated wind farms | 2019 |
| 125. | A Unified Power Flow Controller Using a Power Electronics Integrated Transformer | 2019 |
| 126. | A 13-levels Module (K-Type) with two DC sources for Multilevel Inverters | 2019 |
| 127. | A Boost Type Nine-Level Switched Capacitor Inverter | 2019 |
| 128. | A Hybrid 9-level, 1-Ï• Grid Connected MultiLevel Inverter with Low Switch Count and Innovative Voltage Regulation Techniques Across Auxiliary Capacitor. | 2019 |
| 129. | A Multi-Cell Cascaded High Frequency Link Inverter with Soft-Switching and Isolation. | 2019 |
| 130. | A new pulse active width modulation (PAWM) for multilevel converters. | 2019 |
| 131. | A new standby structure integrated with boost PFC converter for Server Power supply | 2019 |
| 132. | A Novel Bidirectional T-type Multilevel Inverter for Electric Vehicle Applications. | 2019 |
| 133. | A Novel Nine-Level Quadruple Boost Inverter with Inductive-load Ability. | 2019 |
| 134. | A Novel Step-Up Single Source Multilevel Inverter: Topology, Operating Principle and Modulation. | 2019 |
| 135. | A Second-Order Volterra Filter Based Control of Solar PV-DSTATCOM System to Achieve Lyapunovâ€™s Stability | 2019 |
| 136. | A Sinusoidal Pulse Width Modulation (SPWM) Technique for Capacitor Voltage Balancing of Nested T-Type Four-Level Inverter. | 2019 |
| 137. | Analysis, Design and Control of Switching Capacitor Based Buck-Boost Converter | 2019 |
| 138. | Compact Switched Capacitor Multilevel Inverter (CSCMLI) With Self Voltage Balancing and Boosting Ability. | 2019 |
| 139. | Coordination control of positive and negative sequence voltages of cascaded H-bridge STATCOM operating under imbalanced grid voltage | 2019 |
| 140. | Cross-Switched Multilevel Inverter using Novel Switched Capacitor Converters. | 2019 |
| 141. | Dual P-Q Theory based Energy Optimized Dynamic Voltage Restorer for Power Quality Improvement in Distribution System | 2019 |
| 142. | Dual Role CDSC based Dual Vector Control for Effective Operation of DVR with Harmonic Mitigation | 2019 |
| 143. | Dual-T-Type Seven-Level Boost Active-NeutralPoint-Clamped (DTT-7L-BANPC) Inverter | 2019 |
| 144. | Effect of cascade STATCOM on stabilizing voltage in high voltage direct current | 2019 |
| 145. | Enhancement of Solar Farm Connectivity with Smart PV Inverter PV-STATCOM. | 2019 |
| 146. | Extended Topology for Boost DC-DC Converter. | 2019 |
| 147. | Family of Multiport Switched-Capacitor Multilevel Inverters for High Frequency AC Power Distribution | 2019 |
| 148. | Flexible Transformer Based Multilevel Inverter Topologies | 2019 |
| 149. | Framework of Gradient Descent Least Squares Regression Based NN Structure for Power Quality Improvement in PV Integrated Low-Voltage Weak Grid System | 2019 |
| 150. | High-Efficiency Bidirectional Buck-Boost Converter for Photovoltaic and Energy Storage Systems in a Smart Grid | 2019 |
| 151. | Implementation of Immune Feedback Control Algorithm for Distribution Static Compensator. | 2019 |
| 152. | Low-Capacitance Statcom with Modular Inductive Filter | 2019 |
| 153. | Model Predictive Control of Multilevel CHB STATCOM in Wind Farm Application Using Diophantine Equations | 2019 |
| 154. | Model Predictive Controller with Reduced Complexity for Grid Tied Multilevel Inverters. | 2019 |
| 155. | PNKLMF Based Neural Network Control and Learning based HC MPPT Technique for Multi-Objective Grid Integrated Solar PV Based Distributed Generating System | 2019 |
| 156. | Power Quality Improvement and PV Power Injection by DSTATCOM with Variable DC Link Voltage Control from RSC-MLC. | 2019 |
| 157. | Protection of Sensitive Loads Using Sliding Mode Controlled Three-Phase DVR With Adaptive Notch Filter. | 2019 |
| 158. | Real-Time Validation of a Sliding Mode Controller for Closed-Loop Operation of Reduced Switch Count Multilevel Inverters | 2019 |
| 159. | Single Stage SECS Interfaced with Grid Using ISOGI-FLL Based Control Algorithm. | 2019 |
| 160. | SSO of DFIG-based wind farm integrated by a hybrid series compensator. | 2019 |
| 161. | Stability Analysis for the Grid-Connected SinglePhase Asymmetrical Cascaded Multilevel Inverter with SRF-PI Current Control under Weak Grid Conditions | 2019 |
| 162. | Switched-Boost Action Based Multi-port Converter. | 2019 |
| 163. | Switched-Capacitor Based Single Source Cascaded H-bridge Multilevel Inverter Featuring Boosting Ability | 2019 |
| 164. | Unbalanced and Reactive Load Compensation using MMCC-based SATCOMs with Third Harmonic Injection. | 2019 |
| 165. | Super-Twisting Sliding Mode Direct Power Control of Brushless Doubly Fed Induction Generator | 2018 |
| 166. | Application of Z-Source Sparse Matrix Converter for Micro turbine Generators | 2018 |
| 167. | A Unified Power Flow Controller Using a Power Electronics Integrated Transformer | 2018 |
| 168. | Reconfigurable Control for Fault-Tolerant of Parallel Converters in PMSG Wind Energy Conversion System | 2018 |
| 169. | An Optimal Thevenin Equivalent Estimation Method Â´ and its Application to the Voltage Stability Analysis of a Wind Hub | 2018 |
| 170. | Automatic generation control including solar thermal power generation with Fuzzy-PID controller with derivative filter | 2018 |
| 171. | Standalone Photovoltaic Water Pumping System Using Induction Motor Drive with Reduced Sensors | 2018 |
| 172. | A Novel Design of Hybrid Energy Storage System for Electric Vehicles | 2018 |
| 173. | Single Stage PV Array Fed Speed Sensor less Vector Control of Induction Motor Drive for Water Pumping. | 2018 |
| 174. | Design and Performance Analysis of Three-Phase Solar PV Integrated UPQC. | 2018 |
| 175. | A New H-Bridge Hybrid Modular Converter (HBHMC) for HVDC Application: Operating Modes, Control and Voltage Balancing | 2018 |
| 176. | Rectifier Load Analysis for Electric Vehicle Wireless Charging System. | 2018 |
| 177. | Development of a Bidirectional DC/DC Converter with Dual-Battery Energy Storage for Hybrid Electric Vehicle System. | 2018 |
| 178. | An Improved DC-Link Voltage Control Strategy for Grid Connected Converters. | 2018 |
| 179. | Design and Implementation of Active Power Control with Improved P&O Method for Wind PV-Battery based Standalone Generation System | 2018 |
| 180. | Single-stage ZETA-SEPIC-based multifunctional integrated converter for plugin electric vehicles | 2018 |
| 181. | Modeling, Design, Control, and Implementation of a Modified Z-source Integrated PV/Grid/EV DC Charger/Inverter | 2018 |
| 182. | A Simple Active and Reactive Power Control for Applications of Single-Phase Electric Springs | 2018 |
| 183. | UDE-Based Current Control Strategy for LCCL-Type Grid-Tied Inverters | 2018 |
| 184. | A New Design Method of an LCL Filter Applied in Active DC-Traction Substations | 2018 |
| 185. | A Very High Resolution Stacked Multilevel Inverter Topology for Adjustable Speed Drives | 2018 |
| 186. | Implementation and Comparison of Symmetric and Asymmetric Multilevel Inverters for Dynamic Loads | 2018 |
| 187. | Reconfiguration of NPC Multilevel Inverters to Mitigate Short Circuit Faults Using Back-to-Back Switches | 2018 |
| 188. | Irradiance-adaptive PV Module Integrated Converter for High Efficiency and Power Quality in Standalone and DC Microgrid Applications | 2018 |
| 189. | Dual-function PV-ECS integrated to 3P4W distribution grid using 3M-PLL control for active power transfer and power quality improvement. | 2018 |
| 190. | ZSI for PV systems with LVRT capability. | 2018 |
| 191. | Crisscross switched multilevel inverter using cascaded semi-half-bridge cells | 2018 |
| 192. | Single-phase hybrid cascaded H-bridge and diode-clamped multilevel inverter with capacitor voltage balancing | 2018 |
| 193. | Control of Solar Photovoltaic Integrated Universal Active Filter Based on Discrete Adaptive Filter | 2018 |
| 194. | A Buck & Boost based Grid Connected PV Inverter Maximizing Power Yield from Two PV Arrays in Mismatched Environmental Conditions | 2018 |
| 195. | A Grid Connected Single Phase Transformerless Inverter Controlling Two Solar PV Arrays Operating under Different Atmospheric Conditions | 2018 |
| 196. | Single-phase multilevel inverter topologies with self-voltage balancing capabilities | 2018 |
| 197. | A Three-Phase Symmetrical DC-Link Multilevel Inverter with Reduced Number of DC Sources | 2018 |
| 198. | A Bridge Modular Switched-Capacitor-Based Multilevel Inverter With Optimized SPWM Control Method And Enhanced Power-Decoupling Ability | 2018 |
| 199. | Single-Phase Modified Quasi-Z-Source Cascaded Hybrid Five-Level Inverter | 2018 |
| 200. | Improved control algorithm for grid connected cascaded H-bridge photovoltaic inverters under asymmetric operating conditions | 2018 |
| 201. | Power-decoupling of a Multi-port Isolated Converter for an Electrolytic-capacitorless Multi-level Inverter | 2018 |
| 202. | Verification of a low Components Nine-Level Cascaded-Transformer Multilevel Inverter in Grid Tie Mode. | 2018 |
| 203. | Power management in PV-battery-hydro based standalone microgrid | 2018 |
| 154. | Hybrid Cascaded Multilevel Inverter (HCMLI) with Improved Symmetrical 4-Level Submodule. | 2018 |
| 205. | Single-Stage Switched-Capacitor Module (S3CM) Topology for Cascaded Multilevel Inverter | 2018 |
| 206. | Combination Analysis and Switching Method of a Cascaded H-Bridge Multilevel Inverter Based on Transformers With the Different Turns Ratio for Increasing the Voltage Level | 2018 |
| 207. | Research on the Unbalanced Compensation of Delta-connected Cascaded H-bridge Multilevel SVG | 2018 |
| 208. | Autonomous Power Management for Interlinked AC-DC Microgrids. | 2018 |
| 209. | Multi-Input Switched-Capacitor Multilevel Inverter for High-Frequency AC Power Distribution | 2018 |
| 210. | Phase Shifted Carrier Based Synchronized Sinusoidal PWM Techniques for Cascaded H-Bridge Multi Level Inverter | 2018 |
| 211. | Autonomous Power Control and Management Between Standalone DC Microgrids | 2018 |
| 212. | Soft Switched Interleaved DC/DC Converter as front-end of Multi Inverter Structure for Micro Grid Applications | 2018 |
| 213. | Dynamic Power Management and Control of PV PEM fuel Cell based Standalone AC/DC Microgrid Using Hybrid Energy Storage | 2018 |
| 214. | ISOGI-Q Based Control Algorithm for Single Stage Grid Tied SPV System | 2018 |
| 215. | An Improved Modulated Carrier Control with On-Time Doublers for Single-Phase Shunt Active Power Filter | 2018 |
| 216. | An f-P/Q Droop Control in Cascaded-Type Microgrid | 2018 |
| 217. | Three-Phase Transformer less Shunt Active Power Filter with Reduced Switch Count for Harmonic Compensation in Grid-Connected Applications | 2018 |
| 218. | Control of a Three-Phase Hybrid Converter for a PV Charging Station | 2018 |
| 219. | Reduced carrier PWM scheme with unified logical expressions for reduced switch count multilevel inverters | 2018 |
| 220. | A Novel Hybrid Modular Three-Level Shunt Active Power Filter | 2018 |
| 221. | Reduction of Common-Mode Voltages for Five-Level Active NPC Inverters by the Space-Vector Modulation Technique | 2017 |
| 222. | Speed And Torque Control Of An Induction Motor With Ann Based DTC | 2017 |
| 223. | Power transformer differential protection using current and voltage ratios | 2017 |
| 224. | Power quality enhancement using fuzzy sliding mode based pulse width modulation control strategy for unified power quality conditioner | 2017 |
| 225. | Power Quality Enhancement for a Grid Connected Wind Turbine Energy System | 2017 |
| 226. | Optimal Placement of Static VAR Compensator (SVC) in Power System along with Wind Power Generation | 2017 |
| 227. | Optimal Coordination of Overcurrent Relays using Gravitational Search Algorithm with DG Penetration | 2017 |
| 228. | Multi-verse optimization: a novel method for solution of load frequency control problem in power system | 2017 |
| 229. | Mitigation of Harmonics in Grid-Connected and Islanded Microgrids Via Virtual Admittances and Impedances | 2017 |
| 230. | Enhancing LVRT Capability of DFIG-Based Wind Turbine Systems with SMES Series in the Rotor Side | 2017 |
| 231. | Analysis of Load Frequency Control for Multi Area System Using PI and FuzzyLogic Controllers | 2017 |
| 232. | Design and Analysis of RBFN-Based Single MPPT Controller for Hybrid Solar and Wind Energy System | 2017 |
| 233. | Contingency-Constrained Unit Commitment With Intervening Time for System Adjustments | 2017 |
| 234. | A Microgrid Protection Scheme Using Differential and Adaptive Overcurrent Relays | 2017 |
| 235. | Control of Active Power Exchange With Auxiliary Power Loop in a Single-Phase Cascaded Multilevel Converter-Based Energy Storage System | 2017 |
| 236. | A Harmonic Suppression Scheme for Full Speed Range of a Two-Level Inverter Fed Induction Motor Drive Using Switched Capacitive Filter | 2017 |
| 237. | A Highly Efficient and Reliable Inverter Configuration Based Cascaded Multilevel Inverter for PV Systems | 2017 |
| 238. | A New-Coupled-Inductor Circuit Breaker for DC Applications | 2017 |
| 239. | A New Single-Phase Switched-Coupled-Inductor DCâ€“AC Inverter for Photovoltaic Systems | 2017 |
| 240. | A Novel Single-Stage Single-Phase Reconfigurable Inverter Topology for a Solar Powered Hybrid AC/DC Home | 2017 |
| 241. | A Novel Step-Up Multi input DC–DC Converter for Hybrid Electric Vehicles Application | 2017 |
| 242. | A Novel Structure for Single-Switch Nonisolated Transformer less Buckâ€“Boost DC–DC Converter | 2017 |
| 243. | A Performance Investigation of a Four-Switch Three-Phase Inverter-Fed IM Drives at Low Speeds Using Fuzzy Logic and PI Controllers | 2017 |
| 244. | A Robust Back stepping High-Order Sliding Mode Control Strategy for Grid-Connected DG Units With Harmonic/Inter harmonic Current Compensation Capability | 2017 |
| 245. | An Effective Voltage Switching State Algorithm for Direct Torque Controlled Five-Phase Induction Motor Drive to Reduce Torque Ripple. | 2017 |
| 246. | A Single-Phase Transformer less Inverter With Charge Pump Circuit Concept for Grid-Tied PV Applications | 2017 |
| 247. | ACMC-based hybrid AC/LVDC micro-grid | 2017 |
| 248. | An Induction Generator-Based AC/DC Hybrid Electric Power Generation System for More Electric Aircraft | 2017 |
| 249. | Control strategy of switching regulators for fuel-cell power applications | 2017 |
| 250. | Design and implementation of a high performance technique for tracking PV peak power | 2017 |
| 251. | Dynamic Hysteresis Torque Band for Improving the Performance of Lookup-Table-Based DTC of Induction Machines. | 2017 |
| 252. | Electric Spring for Voltage and Power Stability and Power Factor Correction | 2017 |
| 253. | Generation of Higher Number of Voltage Levels by Stacking Inverters of Lower Multilevel Structures With Low Voltage Devices for Drives | 2017 |
| 254. | Global Maximum Power Point Tracking Method for Photovoltaic Arrays Under Partial Shading Conditions | 2017 |
| 255. | High-Efficiency Bridgeless Three-Level Power Factor Correction Rectifier | 2017 |
| 256. | High-performance unified power quality conditioner using non-linear sliding mode and new switching dynamics control strategy | 2017 |
| 257. | Hybrid Damping Controller for STATCOM to Enhance Power Quality in Multi-Machine System | 2017 |
| 258. | Improved pulse-width modulation scheme for T-type multilevel inverter | 2017 |
| 259. | Improvement of Power Quality Using a Robust Hybrid Series Active Power Filter | 2017 |
| 260. | Intelligent grid interfaced solar water pumping system | 2017 |
| 261. | Modeling and simulation for smart grid integration of solar/wind energy | 2017 |
| 262. | Neutral Point Clamped MOSFET Inverter With Full-Bridge Configuration for Nonisolated Grid-Tied Photovoltaic System | 2017 |
| 263. | Photovoltaic Module-Integrated Stand-alone Single-Stage Switched Capacitor Inverter with Maximum Power Point Tracking | 2017 |
| 264. | Power Quality Enhancepment of Smart Households Using a Multilevel-THSeAF With a PR Controller | 2017 |
| 265. | Power system stability analysis under increasing penetration of photovoltaic power plants with synchronous power controllers | 2017 |
| 266. | A flexible control strategy of plug-in electric vehicles operating in seven modes for smoothing load power curves in smart grid | 2017 |
| 267. | Series Compensator Based on Cascaded Transformers Coupled With Three-Phase Bridge Converters | 2017 |
| 268. | Single-Stage Three-Phase Current-Source Photovoltaic Grid-Connected Inverter High Voltage Transmission Ratio | 2017 |
| 269. | Three-phase battery storage system with transformer less cascaded multilevel inverter for distribution grid applications | 2017 |
| 270. | A Comparative Analysis between UPQC and Dual UPQC (iUPQC) with Improved Controller | 2016 |
| 271. | Fault Current Discrimination during Induction Motor Starting | 2016 |
| 272. | Improvement of Power Quality Using a Hybrid UPQC with Distributed Generator | 2016 |
| 273. | Load frequency control of a two-area multi-source power system using a tilt integral derivative controller | 2016 |
| 274. | A Capacitor Voltage-Balancing Method for Nested Neutral Point Clamped (NNPC) Inverter | 2016 |
| 275. | A Compact Multifunctional Power Electronic Interface for Plug-in Hybrid Electric Vehicles | 2016 |
| 276. | A dc-Side Sensor less Cascaded H-Bridge Multilevel Converter Based Photovoltaic System | 2016 |
| 277. | A Family of Five-Level Dual-Buck Full-bridge Inverters for Grid-tied Applications | 2016 |
| 278. | A Hybrid Simulation Model for VSC HVDC | 2016 |
| 279. | A Hybrid-STATCOM with Wide Compensation Range and Low DC-Link Voltage | 2016 |
| 280. | A Modified P&O Maximum Power Point Tracking Method with Reduced Steady State Oscillation and Improved Tracking Efficiency | 2016 |
| 281. | A Multi-Level Converter with a Floating Bridge for Open-Ended Winding Motor Drive Applications | 2016 |
| 282. | A New Approach to DTC Method For BLDC Motor Adjustable Speed Drives | 2016 |
| 283. | A New Cascaded Switched-Capacitor Multilevel Inverter Based on Improved Series-Parallel Conversion with Less Number of Components | 2016 |
| 284. | A new maximum power point method based on a sliding mode approach for solar energy harvesting | 2016 |
| 285. | A New State of Charge Estimation for Lithium-ion Battery Based on Sliding-Mode Observer and Battery Status | 2016 |
| 286. | A Novel Five-Level Voltage Source Inverter with Sinusoidal Pulse Width Modulator for Medium-Voltage Applications | 2016 |
| 287. | A Novel Multilevel Multi-Output Bidirectional Active Buck PFC Rectifier | 2016 |
| 288. | A Novel Ten-Switch Topology for Unified Power Quality Conditioner | 2016 |
| 289. | A Power Factor Oriented Railway Power Flow Controller for Power Quality Improvement in Electrical Railway Power System | 2016 |
| 290. | A Predictive Control Scheme for a Dual Output Indirect Matrix Converter | 2016 |
| 291. | A Real-Time Selective Harmonic Elimination Based on A Transient-free, Inner Closed-Loop Control for Cascaded Multilevel Power Inverters | 2016 |
| 292. | A Robust LQG Servo Control Strategy of Shunt Active Power Filter for Power Quality Enhancement | 2016 |
| 293. | A Seven Level Inverter using a Solar Power Generation System | 2016 |
| 294. | A Single DC Source Cascaded Seven-Level Inverter Integrating Switched-Capacitor Techniques | 2016 |
| 295. | A Single-phase Four-Switch Rectifier with Significantly Reduced Capacitance | 2016 |
| 296. | A Single-phase PV Quasi-Z-source Inverter with Reduced Capacitance using Modified Modulation and Double-Frequency Ripple Suppression Control | 2016 |
| 297. | Active and Reactive Power Control During Unbalanced Grid Voltage in PV systems | 2016 |
| 298. | Adaptive Maximum Power Point Tracking Control Algorithm for Wind Energy Conversion Systems | 2016 |
| 299. | Adaptive Neuro Fuzzy Inference System Least Mean Square Based Control Algorithm for DSTATCOM | 2016 |
| 300. | Adaptive Power System for Managing Large Dynamic Loads | 2016 |
| 301. | An Active Filter with Resonant Current Control to Suppress Harmonic Resonance in a Distribution Power System | 2016 |
| 302. | An Approach of Hybrid Modulation in Fusion seven-level Cascaded Multilevel Inverter accomplishment to IM drive system | 2016 |
| 303. | An Islanding Detection Method for Inverter-Based Distributed Generators Based on the Reactive Power Disturbance | 2016 |
| 304. | Buck-boost-flyback integrated converter with single switch to achieve high voltage gain for PV or fuel-cell applications | 2016 |
| 305. | Cascaded Dual Model Predictive Control of an Active Front-End Rectifier | 2016 |
| 306. | Control and Operation of a DC Grid-Based Wind Power Generation System in a Microgrid | 2016 |
| 307. | Control methodology for compensation of grid voltage unbalance using a series-converter scheme for the DFIG | 2016 |
| 308. | Control of Induction Motor Drive using Space Vector PWM | 2016 |
| 309. | Control of Ripple Eliminators to Improve the Power Quality of DC Systems and Reduce the Usage of Electrolytic Capacitors | 2016 |
| 310. | Control of Three-phase Bidirectional Current Source Converter to Inject Balanced Three-phase Currents under Unbalanced Grid Voltage Condition | 2016 |
| 311. | Control Strategy of Fly back Micro inverter with Hybrid Mode for PV AC Modules | 2016 |
| 312. | Current Source Modular Multilevel Converter Detailed Analysis and STATCOM Application | 2016 |
| 313. | DC-link capacitor voltage control for single phase shunt active power filter with step size error cancellation in self-charging algorithm | 2016 |
| 314. | Design and Simulation of a 10 MW Photovoltaic Power Plant using MATLAB and Simulink | 2016 |
| 315. | Design of Agricultural based water pumping drive system using Bridgeless Buck-Boost converter | 2016 |
| 316. | Development and Comparison of an Improved Incremental Conductance Algorithm for Tracking the MPPT of a Solar PV Panel | 2016 |
| 317. | Digital Current Sensorless Control for Dual-Boost Half-Bridge PFC Converter with Natural Capacitor Voltage Balancing | 2016 |
| 318. | Discrete-Time Repetitive Control of Flyback CCM Inverter for PV Power Applications | 2016 |
| 319. | DSTATCOM supported induction generator for improving power quality | 2016 |
| 320. | Dynamic voltage restorer employing multilevel cascaded H-bridge inverter | 2016 |
| 321. | Feasibility of Four-Switch Three-phase Brushless DC Motor Control Scheme Based on Quasi Z-Source Network | 2016 |
| 322. | Fuzzy Control Based Apf With Dg Integration For Power Quality Improvement In Disribution System | 2016 |
| 323. | Grid connected three-phase multiple-pole multilevel unity power factor rectifier with reduce components count | 2016 |
| 324. | Harmonic Analysis of Grid Connected Power Electronic Systems in Low Voltage Distribution Networks | 2016 |
| 325. | High-Performance Constant Power Generation in Grid-Connected PV Systems | 2016 |
| 326. | Impact of SFCL on the Four Types of HVDC Circuit Breakers by Simulation | 2016 |
| 327. | Improved performance low-cost incremental conductance PV MPPT technique | 2016 |
| 328. | Improvement of Power Quality Using a Hybrid UPQC with Distributed Generator | 2016 |
| 329. | Integration of DG Systems Composed of Photovoltaic and a Micro-turbine In Remote Areas | 2016 |
| 330. | Integration of Single-Stage SPV Generation to Grid using Admittance based LMS Technique | 2016 |
| 331. | Investigation on Dynamic Voltage Restorers With Two DC Links and Series Converters for Three-Phase Four-Wire Systems | 2016 |
| 332. | Load Model for Medium Voltage Cascaded H-Bridge Multi-Level Inverter Drive Systems | 2016 |
| 333. | Model Predictive Control of Quasi-Z-Source Four-Leg Inverter | 2016 |
| 334. | Modelling, simulation, and verification for detailed short-circuit analysis of a 1 Ã— 25 kV railway traction system | 2016 |
| 335. | Modular Multilevel Converter-Based Bipolar High-Voltage Pulse Generator With Sensorless Capacitor Voltage Balancing Technique | 2016 |
| 336. | Modular Multilevel Converter Circulating Current Reduction Using Model Predictive Control | 2016 |
| 337. | Modular symmetric and asymmetric reduced count switch multilevel current source inverter | 2016 |
| 338. | Modulation and Control of Transformerless UPFC | 2016 |
| 339. | Multilevel Cascaded-Type Dynamic Voltage Restorer with Fault Current Limiting Function | 2016 |
| 340. | Novel Isolated Multi-level DC-DC Power Converter | 2016 |
| 341. | Open-Circuit Fault-Tolerant Control for Outer Switches of Three-Level Rectifiers in Wind Turbine Systems | 2016 |
| 342. | An Optimal Frequency Control Method Through a Dynamic Load Frequency Control (LFC) Model Incorporating Wind Farm | 2016 |
| 343. | Optimal Multiple-Steps Single-Tuned Harmonic Filters Under Time-Varying Conditions | 2016 |
| 344. | Partial Shading Detection and Smooth Maximum Power Point Tracking of PV Arrays under PSC | 2016 |
| 345. | Power and Voltage Balance Control of a Novel Three-phase Solid State Transformer Using Multilevel Cascaded H-Bridge Inverters for Microgrid Applications | 2016 |
| 346. | Power-Electronics-Based Energy Management System With Storage | 2016 |
| 347. | Property of Rational Functions Related to Band-Pass Transformation With Application to Symmetric Filters Design | 2016 |
| 348. | Reactive Power Compensation Through Upfc And Statcom At Linear & Non-Linear Load | 2016 |
| 349. | Real-Time Implementation of a Packed U-Cell Seven-Level Inverter with Low Switching Frequency Voltage Regulator | 2016 |
| 350. | Simplified model and sub module capacitor voltage balancing of single-phase AC/AC modular multilevel converter for railway traction purpose | 2016 |
| 351. | Simulation and modeling of STATCOM and WINDFARM in transmission line using MATLAB and analysis of bus voltage | 2016 |
| 352. | Simulation Of Three Phase Multilevel Inverter With Reduced Number Of Switches | 2016 |
| 353. | Single-Phase to Three-Phase Converters With Two Parallel Single-Phase Rectifiers and Reduced Switch Count | 2016 |
| 354. | Sliding Mode Control (SMC) of PWM Dual Inverter Based Grid Connected PV System: Modelling and Performance analysis | 2016 |
| 355. | Solar PV Array Fed Brushless DC Motor Driven Water Pump | 2016 |
| 356. | Switching Control of Buck Converter Based on Energy Conservation Principle | 2016 |
| 357. | Stability Enhancement in Multimachine Power System by FACTS Controller | 2016 |
| 358. | Technique for Fast Detection of Short Circuit Current in PV Distributed Generator | 2016 |
| 359. | THD Analysis of an Overlapping Carrier Based SPWM For a 5- Level Cascaded H-bridge Multilevel Inverter | 2016 |
| 360. | Transformer-less Single-Phase Universal Active Filter with UPS Features and Reduced Number of Electronic Power Switches | 2016 |
| 361. | Ultrahigh Step-up DCâ€“DC Converter for Distributed Generation by Three Degrees of Freedom (3DoF) Approach | 2016 |
| 362. | Versatile Unified Power Quality Conditioner Applied to Three-Phase Four-Wire Distribution Systems Using a Dual Control Strategy | 2016 |
| 363. | Inertial Response of an Offshore Wind Power Plant with HVDC-VSC | 2016 |
| 364. | Energy Harvesting Combining Three Different Sources for Low Power Applications | 2015 |
| 365. | Three Zone Protection By Using Distance Relays in SIMULINK/MATLAB | 2015 |
| 366. | A 10 mV-Input Boost Converter With Inductor Peak Current Control and Zero Detection for Thermoelectric and Solar Energy Harvesting With 220 mV Cold-Start and 14.5dBm, 915 MHz RF Kick-Start | 2015 |
| 367. | A Bidirectional Control Principle of Active Tuned Hybrid Power Filter Based on the Active Reactor Using Active Techniques | 2015 |
| 368. | A Bidirectional Non-Isolated Multi-Input DC-DC Converter for Hybrid Energy Storage Systems in Electric Vehicles | 2015 |
| 369. | A DC Current Flow Controller for Meshed Modular Multilevel Converter Multiterminal HVDC Grids | 2015 |
| 370. | A Fault-Tolerant Series-Resonant DC-DC Converter | 2015 |
| 371. | A Fully Soft-Switched Single Switch Isolated DCâ€“DC Converter | 2015 |
| 372. | A High Step-Up DC to DC Converter Under Alternating Phase Shift Control for Fuel Cell Power System | 2015 |
| 373. | A Hybrid Filter for the Suppression of Common-Mode Voltage and Differential-Mode Harmonics in Three-Phase Inverters With CPPM | 2015 |
| 374. | A Modular Multilevel DC/DC Converter With Fault Blocking Capability for HVDC Interconnects | 2015 |
| 355. | A New Hybrid Active Neutral Point Clamped Flying Capacitor Multilevel Inverter | 2015 |
| 356. | A New Railway Power Flow Control System Coupled With Asymmetric Double LC Branches | 2015 |
| 357. | A New Resonant Modular Multilevel Step-Down DCâ€“DC Converter with Inherent-Balancing | 2015 |
| 358. | A Novel and Simple Single-Phase Modulator for the Nested Neutral-Point Clamped (NNPC) Converter | 2015 |
| 359. | A Novel Control Method for Transformerless H-Bridge Cascaded STATCOM With Star Configuration | 2015 |
| 380. | A Novel Single Phase Cascaded Multilevel Inverter for Hybrid Renewable Energy Sources | 2015 |
| 381. | A Quad Two-Level Inverter Configuration for Four-Pole Induction-Motor Drive with Single DC Link | 2015 |
| 382. | A Robust DC-Link Voltage Control Strategy to Enhance the Performance of Shunt Active Power Filters Without Harmonic Detection Schemes | 2015 |
| 383. | A Single-Phase Active Device for Power Quality Improvement of Electrified Transportation | 2015 |
| 384. | A Single-Phase Cascaded Multilevel Inverter Based on a New Basic Unit With Reduced Number of Power Switches | 2015 |
| 385. | A Step-up Resonant Converter for Grid-Connected Renewable Energy Sources | 2015 |
| 386. | A Torque Ripple Compensation Technique for a Low Cost Brushless DC Motor Drive | 2015 |
| 387. | A Wireless Charging System Applying Phase-Shift and Amplitude Control to Maximize Efficiency and Extractable Power | 2015 |
| 388. | Adaptive PID Speed Control Design for Permanent Magnet Synchronous Motor Drives | 2015 |
| 389. | An Electrolytic-Capacitor-Free Single-Phase High-Power Fuel Cell Converter With Direct Double-Frequency Ripple Current Control | 2015 |
| 390. | An Enhanced Voltage Sag Compensation Scheme for Dynamic Voltage Restorer | 2015 |
| 391. | An Improved Control System for Modular Multilevel Converters with New Modulation Strategy and Voltage Balancing Control | 2015 |
| 392. | An Improved IUPQC Controller to Provide Additional Grid-Voltage Regulation as a STATCOM | 2015 |
| 393. | An Integrated Dynamic Voltage Restorer-Ultra capacitor Design for Improving Power Quality of the Distribution Grid | 2015 |
| 394. | An Interleaved High-Power Flyback Inverter for Photovoltaic Applications | 2015 |
| 395. | An Isolated Three-Port Bidirectional DCâ€“DC Converter for Photovoltaic Systems With Energy Storage | 2015 |
| 396. | An Observer-Based Optimal Voltage Control Scheme for Three-Phase UPS Systems | 2015 |
| 397. | Analysis and Mitigation of Resonance Propagation in Grid-Connected and Islanding Micro-grids | 2015 |
| 398. | Analysis of the Phase-Shifted Carrier Modulation for Modular Multilevel Converters | 2015 |
| 399. | Application of Fact Devices for Voltage Stability in a Power System | 2015 |
| 400. | Application of Transformer-less UPFC for Interconnecting Synchronous AC Grids | 2015 |
| 401. | Artificial Neural Networks Controller for Power System Voltage Improvement | 2015 |
| 402. | Brushless DC Motor Speed Control using both PI Controller and Fuzzy PI Controller | 2015 |
| 403. | Comparative Analysis of 2-Level and Multi-Level Inverter Fed Coupled 1M Drives Based on VIf and DTC Techniques | 2015 |
| 404. | Comparison of Detailed Modeling Techniques for MMC Employed on VSC-HVDC Schemes | 2015 |
| 405. | Constrained State Feedback Speed Control of PMSM Based on Model Predictive Approach | 2015 |
| 406. | Control of PMSG-Based Wind Turbines for System Inertial Response and Power Oscillation Damping | 2015 |
| 407. | Control Strategy for Improved Dynamic Performance of Variable-Speed Drives With Modular Multilevel Converter | 2015 |
| 408. | Control Strategy of Solid State Power Electronic Transformer under VoltageDisturbance Conditions | 2015 |
| 409. | DC/DC Buck Power Converter as a Smooth Starter for a DC Motor Based on a Hierarchical Control | 2015 |
| 410. | Decoupling of Fluctuating Power in Single-Phase Systems Through a Symmetrical Half-Bridge Circuit | 2015 |
| 411. | Distributed Voltage Control with Electric Springs: Comparison with STATCOM | 2015 |
| 412. | Doubly Fed Induction Generator for Wind Energy Conversion Systems With Integrated Active Filter Capabilities | 2015 |
| 413. | DVR with Auxiliary DC Voltage Source Provided by A High Power Diode Based Rectifier Used in MV Connection Substations | 2015 |
| 414. | Elimination of DC-Link Current Ripple for Modular Multilevel Converters With Capacitor Voltage Balancing Pulse-Shifted Carrier PWM | 2015 |
| 415. | Enhanced Phase-Shifted PWM Carrier Disposition for Interleaved Voltage-Source Inverters | 2015 |
| 416. | Five-Level Inverter Using POD PWM Technique | 2015 |
| 417. | Functional Modeling of Symmetrical Multi-pulse Autotransformer Rectifier Units for Aerospace Applications | 2015 |
| 418. | Fuzzy Logic Control of DSTATCOM for Improving Power Quality and Dynamic Performance | 2015 |
| 419. | High Accuracy and Fast Speed MPPT Methods for PV String Under Partially Shaded Conditions | 2015 |
| 420. | High Step-Up Converter With Three-Winding Coupled Inductor for Fuel Cell Energy Source Applications | 2015 |
| 421. | Hybrid Active Filter With Variable Conductance for Harmonic Resonance Suppresion in Industrial Power Systems | 2015 |
| 422. | Hybrid Transformer ZVS/ZCS DC–DC Converter With Optimized Magnetics and Improved Power Devices Utilization for Photovoltaic Module Applications | 2015 |
| 423. | Implementation of a New MRAS Speed Sensor less Vector Control of Induction Machine | 2015 |
| 424. | Improved Power Rating of Cascaded H-Bridge Multilevel Inverter | 2015 |
| 425. | Improving the Performance of Cascaded H-bridge based Interline Dynamic Voltage Restorer | 2015 |
| 426. | Improving the Wind Energy Conversion System Dynamics during Fault Ride through: UPFC versus STATCOM | 2015 |
| 427. | Induction Motor Control With a Small DC-Link Capacitor Inverter Fed by Three-Phase Diode Front-end Rectifiers | 2015 |
| 428. | Integration of Distributed Generation in the Volt/VAR Management System for Active Distribution Networks | 2015 |
| 429. | Improved performance low-cost incremental conductance PV MPPT technique | 2015 |
| 430. | Intelligent Control System for Micro grids Using Multi agent System | 2015 |
| 431. | Intelligent Islanding and Seamless Reconnection Technique for Micro-grid With UPQC | 2015 |
| 432. | Interleaved Boost-Integrated LLC Resonant Converter With Fixed-Frequency PWM Control for Renewable Energy Generation Applications | 2015 |
| 433. | Islanding Detection Technique of Distribution Generation System | 2015 |
| 434. | Low-Volume PFC Rectifier Based on Non-symmetric Multilevel Boost Converter | 2015 |
| 435. | Maximum Power Point Tracking of Grid Connected Photovoltaic System Employing Model Predictive Control | 2015 |
| 436. | Microgrid Operation for a Low Voltage Network with Renewable Energy Sources for Losses Minimisation and Voltage Control | 2015 |
| 437. | Modular Cascaded H-Bridge Multilevel PV Inverter With Distributed MPPT for Grid-Connected Applications | 2015 |
| 438. | Modular Multilevel DC/DC Converters With Phase-Shift Control Scheme for High-Voltage DC-Based Systems | 2015 |
| 439. | New Control of PV Solar Farm as STATCOM (PV-STATCOM) for Increasing Grid Power Transmission Limits During Night and Day | 2015 |
| 440. | Novel high performance DC reactor type fault current limiter | 2015 |
| 442. | Optimal Control of Shunt Active Power Filter to Meet IEEE Std. 519 Current Harmonic Constraints Under Non-ideal Supply Condition | 2015 |
| 442. | Optimized Operation of Current-Fed Dual Active Bridge DCâ€“DC Converter for PV Applications | 2015 |
| 443. | Performance of Three Phase II-level Inverter with reduced number of switches using different PWM Techniques | 2015 |
| 444. | Power Controllability of a Three-Phase Converter With an Unbalanced AC Source | 2015 |
| 445. | Power quality improvement using a power electronic transformer based DVR | 2015 |
| 446. | Power System Stabilization Using Virtual Synchronous Generator With Alternating Moment of Inertia | 2015 |
| 447. | Predictive Torque Control Scheme for Three-Phase Four-Switch Inverter-Fed Induction Motor Drives With DC-Link Voltages Offset Suppression | 2015 |
| 448. | Primary Frequency Control Contribution From Smart Loads Using Reactive Compensation | 2015 |
| 449. | Pulse delay control for capacitor voltage balancing in a three-level boost neutral point clamped inverter | 2015 |
| 450. | PV-Active Power Filter Combination Supplies Power to Nonlinear Load and Compensates Utility Current | 2015 |
| 451. | Reduced Switches Based Three-Phase MultiLevel Inverter for Grid Integration | 2015 |
| 452. | Reduction of Power Electronic Elements in Multilevel Converters Using a New Cascade Structure | 2015 |
| 453. | Robust Control for Micro grid Frequency Deviation Reduction With Attached Storage System | 2015 |
| 454. | Seventeen-Level Inverter Formed by Cascading Flying Capacitor and Floating Capacitor H-Bridges | 2015 |
| 455. | Study of Very Fast Transient Over voltages and Mitigation Techniques of a Gas Insulated Substation | 2015 |
| 456. | Suitable Single-Phase to Three-Phase ACâ€“DCâ€“AC Power Conversion System | 2015 |
| 457. | Simulation And Performance Analysis Of Solar Pv-Wind Hybrid Energy System Using Matlab/Simulink | 2015 |
| 458. | Smart Management of PREY and Renewable Energy Sources for Grid Peal( Demand Energy Supply | 2015 |
| 459. | The Modular Multilevel Converter for High Step-Up Ratio DCâ€“DC Conversion | 2015 |
| 460. | Three-Phase Multilevel PFC Rectifier Based on Multistate Switching Cells | 2015 |
| 461. | Three-phase tri-state buck–boost integrated inverter for solar applications | 2015 |
| 462. | Energy Harvesting Combining Three Different Sources for Low Power Applications | 2015 |
| 463. | A Synchronization Control Method for Micro-Grid with Droop Control | 2015 |
| 464. | A High-Efficiency MOSFET Transformerless Inverter for Nonisolated Micro inverter Applications | 2015 |