

Mohamed Orabi

List of Publications by Year in descending order

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209
papers

2,521
citations

394286

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209
docs citations

209
times ranked

1773
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Improved direct torque control strategy for reducing torque ripple in switched reluctance motors. Journal of Power Electronics, 2022, 22, 603. | 0.9 | 2 |
| 2 | Design and Multiobjective Optimization of a Double-Stator Axial Flux SRM With Full-Pitch Winding Configuration. IEEE Transactions on Transportation Electrification, 2022, 8, 4348-4364. | 5.3 | 13 |
| 3 | A New Stability Enhancement Method Using KF Estimation for the PWM-SMC-Based Grid-Tied Inverter Under Weak Grid Condition. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 6950-6959. | 3.7 | 2 |
| 4 | A Novel Method to Suppress the Force Ripple of a Switched Reluctance Linear Motor. IEEE Transactions on Industry Applications, 2022, 58, 4792-4803. | 3.3 | 2 |
| 5 | Novel Overlap Method to Eliminate Vector Deviation Error in SVM of Current Source Inverters. IEEE Transactions on Power Electronics, 2021, 36, 2320-2333. | 5.4 | 8 |
| 6 | Multi-Input transformer-less four-wire microinverter with distributed MPPT for PV systems. International Journal of Circuit Theory and Applications, 2021, 49, 1704-1725. | 1.3 | 9 |
| 7 | A New Single Stage Quadratic Buck-Boost Inverter. , 2021, , . | | 0 |
| 8 | Switched Reluctance Linear Motor Force Ripple Suppression Based on Predictive-Fuzzy Control. , 2021, , . | | 1 |
| 9 | Performance Investigation of Switched Reluctance Motor Driven by Quasi-Z-Source Integrated Multiport Converter with Different Switching Algorithms. Sustainability, 2021, 13, 9517. | 1.6 | 5 |
| 10 | Sensitivity Analysis on Novel U-Shape Dual-Stator Switched Reluctance Motor. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5. | 1.1 | 1 |
| 11 | A Magnetic Field Decoupling Double Stator Switched Reluctance Machine. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5. | 1.1 | 1 |
| 12 | Calculation and Analysis of Eddy-Current Loss in Switched Reluctance Motor. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4. | 1.1 | 2 |
| 13 | Temperature Analysis of Switched Reluctance Motor Based on Equivalent Heat Circuit Method. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4. | 1.1 | 5 |
| 14 | Common-Ground Photovoltaic Inverters for Leakage Current Mitigation: Comparative Review. Applied Sciences (Switzerland), 2021, 11, 11266. | 1.3 | 11 |
| 15 | Universal Input Voltage Electrolytic Capacitor-less LED driver with Multi-channel Output. , 2021, , . | | 2 |
| 16 | A Novel Dual-Input High-Gain Transformerless Multilevel Single-Phase Microinverter for PV Systems. IEEE Transactions on Power Electronics, 2020, 35, 4703-4714. | 5.4 | 11 |
| 17 | General Mathematical Solution for Selective Harmonic Elimination. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 4440-4456. | 3.7 | 32 |
| 18 | Fixed-frequency phase-shift modulated PV-MPPT for LLC resonant converters. Journal of Power Electronics, 2020, 20, 279-291. | 0.9 | 14 |

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| 19 | A Single DC Source Nine-Level Switched-Capacitor Boost Inverter Topology With Reduced Switch Count. IEEE Access, 2020, 8, 5840-5851. | 2.6 | 61 |
| 20 | Classical Control for Unequal DC Sources Five-Level Inverter-Based SHE Technique. Energies, 2020, 13, 4715. | 1.6 | 1 |
| 21 | Improvement of Extracted Power of Pole Mounted Solar Panels by Effective Cooling Using Aluminum Heat Sink under Hot Weather and Variable Wind Speed Conditions. Energies, 2020, 13, 3159. | 1.6 | 0 |
| 22 | A Phase-Shift-Modulated LLC-Resonant Micro-Inverter Based on Fixed Frequency Predictive-MPPT. Energies, 2020, 13, 1460. | 1.6 | 10 |
| 23 | Classification of Three-Phase Grid-Tied Microinverters in Photovoltaic Applications. Energies, 2020, 13, 2929. | 1.6 | 15 |
| 24 | Single-loop control scheme for electrolytic capacitor-less AC-DC rectifiers with PFC in continuous conduction mode. Electronics Letters, 2020, 56, 506-508. | 0.5 | 3 |
| 25 | Predictive Control of Multi-Level Single Phase Microinverter. , 2019, , . | | 2 |
| 26 | Optimization of the Modulation Sequence and Proposing an Overlap Technique for Current Source Inverter. , 2019, , . | | 2 |
| 27 | Toward a Way to Benchmark Multilevel Inverter Topologies Based on Level to Components Ratio. Canadian Journal of Electrical and Computer Engineering, 2019, 42, 78-92. | 1.5 | 3 |
| 28 | Steady State Analysis of Solar Energy Transmitted to Solar Panel in Hot Weather Environment and Various Wind Speed. , 2019, , . | | 3 |
| 29 | Selective harmonic elimination method for unequal DC sources of multilevel inverters. Automatika, 2019, 60, 378-384. | 1.2 | 6 |
| 30 | Low operational cost distributed prioritised coordinated control for DC microgrids. IET Smart Grid, 2019, 2, 233-241. | 1.5 | 14 |
| 31 | A Novel Auxiliary Modular Inverter with Battery Integration for Electric Vehicle Applications. , 2019, , . | | 2 |
| 32 | Multi-Input Ćuk-Derived Buck-Boost Voltage Source Inverter for Photovoltaic Systems in Microgrid Applications. Energies, 2019, 12, 2007. | 1.6 | 7 |
| 33 | A Novel High Gain Single-phase Transformer-less Multi-level Micro-inverter. , 2019, , . | | 2 |
| 34 | Comparative Study to Investigate the Effect of Five VS Seven Segment Modulation Sequence on the Waveform Distortion Resulted by the Overlap Time in Current Source Inverter. , 2019, , . | | 4 |
| 35 | Single-Phase Isolated Bidirectional AC-DC Battery Charger for Electric Vehicle Ć Review. , 2019, , . | | 12 |
| 36 | Modified Maximum Power Point Tracking Technique Based on One Cycle Control for PV Applications. , 2019, , . | | 2 |

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| 37 | Performance Analysis for Single-Stage Buck-Boost Inverter. , 2019, , . | | 2 |
| 38 | Analysis, Design and Simulation of a DC Photovoltaic Microgrid with Electric Vehicle Charging Capability. , 2019, , . | | 0 |
| 39 | Model Predictive Control Of Quasi Y-Source Inverter. , 2019, , . | | 2 |
| 40 | Enabling Universal-Input Operation in Electrolytic Capacitor-less LED Drivers Based on Harmonics Injection. , 2019, , . | | 0 |
| 41 | Integrated Single Output Sensor Distributed MPPT for Photovoltaic Systems: A Novel Per-Cell Approach. , 2019, , . | | 2 |
| 42 | Three Level T-Type Buck-Boost Voltage Source Inverter. , 2019, , . | | 1 |
| 43 | A New Single-Phase Single-Stage Buck-Boost Inverter For Grid Connected PV Applications. , 2019, , . | | 0 |
| 44 | Two-Stage Resonant Three-Phase Micro-inverter for Grid-Tie PV Application. , 2019, , . | | 2 |
| 45 | A High Current Ripple EV Battery Charger Utilizing Capacitor-less CUK Converter. , 2019, , . | | 2 |
| 46 | A Novel Bidirectional T-Type Multilevel Inverter for Electric Vehicle Applications. IEEE Transactions on Power Electronics, 2019, 34, 6648-6658. | 5.4 | 68 |
| 47 | Improved single-phase self-synchronised synchronverter with enhanced dynamics and current limitation capability. IET Power Electronics, 2019, 12, 337-344. | 1.5 | 9 |
| 48 | A single-phase self-synchronized synchronverter with bounded droop characteristics. , 2018, , . | | 8 |
| 49 | Performance investigation of standalone WECS with and without battery energy storage system. , 2018, , . | | 0 |
| 50 | Single-phase cascaded semi-Z-source inverter for photovoltaic applications. , 2018, , . | | 3 |
| 51 | Asymmetric cascaded half-bridge multilevel inverter without polarity changer. AEJ - Alexandria Engineering Journal, 2018, 57, 2415-2426. | 3.4 | 17 |
| 52 | Novel Overlapping Technique to Realize Half Period Symmetry in the Modulation of Current Source Inverter. , 2018, , . | | 0 |
| 53 | Discussion of Single-Stage Isolated Unidirectional AC-DC On-Board Battery Charger for Electric Vehicle. , 2018, , . | | 19 |
| 54 | Analysis and Control of Electrolytic Capacitor-Less LED Driver Based on Harmonic Injection Technique. Energies, 2018, 11, 3030. | 1.6 | 12 |

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| 55 | Power management system for Ethernet-based IoT devices. Ain Shams Engineering Journal, 2018, 9, 3033-3043. | 3.5 | 0 |
| 56 | An enhanced PWM method for loss balancing of five level T-type inverter in PV systems. , 2018, , . | | 3 |
| 57 | Generation cost minimization based distributed coordination control in DC microgrids. , 2017, , . | | 5 |
| 58 | Real-Time Solution and Implementation of Selective Harmonic Elimination of Seven-Level Multilevel Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 1700-1709. | 3.7 | 69 |
| 59 | Optimum tilt angle for photovoltaic system in desert environment. Solar Energy, 2017, 155, 267-280. | 2.9 | 50 |
| 60 | Operational cost reduction based on distributed adaptive droop control technique in DC microgrids. , 2017, , . | | 13 |
| 61 | Modified harmonic injection technique for electrolytic capacitor-less LED driver. , 2017, , . | | 11 |
| 62 | New MPPT technique using phase-shift modulation for LLC resonant micro-inverter. , 2017, , . | | 9 |
| 63 | Power quality enhancement of variable frequency drive by PWM bridgeless dual boost converter. , 2017, , . | | 0 |
| 64 | Study the effect of series and parallel LEDs connections on the output current ripple for LED driver of solar street lighting. , 2017, , . | | 5 |
| 65 | Modified Finite Control Set-Model Predictive Controller (MFCS-MPC) for quasi Z-Source Inverters based on a Current Observer. Journal of Power Electronics, 2017, 17, 610-620. | 0.9 | 13 |
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| 70 | Consensus algorithm based distributed control for economic operation of islanded DC microgrids. , 2016, , . | | 11 |
| 71 | Study and Analysis of New Three-Phase Modular Multilevel Inverter. IEEE Transactions on Industrial Electronics, 2016, 63, 7804-7813. | 5.2 | 39 |
| 72 | A Powerful Finite Control Set-Model Predictive Control Algorithm for Quasi Z-Source Inverter. IEEE Transactions on Industrial Informatics, 2016, 12, 1371-1379. | 7.2 | 92 |

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| 73 | Thermal performance-based comparative study of PWM strategies for three-level ANPC converter. , 2016, , . | | 5 |
| 74 | Novel three phase multi-level inverter topology with symmetrical DC-voltage sources. , 2016, , . | | 3 |
| 75 | PWM Control Techniques for Single-Phase Multilevel Inverter Based Controlled DC Cells. Journal of Power Electronics, 2016, 16, 498-511. | 0.9 | 18 |
| 76 | Single-phase virtual synchronous generator without a dedicated synchronization unit. , 2015, , . | | 3 |
| 77 | Distributed dynamic consensus for reliable and economic operation of standalone dc microgrids. , 2015, , . | | 6 |
| 78 | Simple cost function and low calculations MPC algorithm for qZSI. , 2015, , . | | 2 |
| 79 | Stand-alone three-phase symmetrical multi-level inverter. , 2015, , . | | 1 |
| 80 | Control of switched-inductor quasi Z-Source Inverter (SL-qZSI) based on model predictive control technique (MPC). , 2015, , . | | 11 |
| 81 | A novel platform for an accurate modeling and precise control of photovoltaic modules with maximum operating efficiency. , 2015, , . | | 2 |
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| 83 | On-chip integrated power management MPPT controller utilizing cell-level architecture for PV solar system. Solar Energy, 2015, 117, 10-28. | 2.9 | 32 |
| 84 | Design of an efficient multilevel inverter for a 1500V railway propulsion system applications. , 2015, , . | | 0 |
| 85 | Reduced switches based three-phase multi-level inverter for grid integration. , 2015, , . | | 6 |
| 86 | New Three-Phase Symmetrical Multilevel Voltage Source Inverter. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2015, 5, 430-442. | 2.7 | 82 |
| 87 | Distributed cooperative control with lower generation cost for DC microgrid. , 2015, , . | | 5 |
| 88 | Development of MPC algorithm for quasi Z-source inverter (qZSI). , 2015, , . | | 9 |
| 89 | Proposed Switching Losses Model for Integrated Point-of-Load Synchronous Buck Converters. IEEE Transactions on Power Electronics, 2015, 30, 5136-5150. | 5.4 | 47 |
| 90 | Development and comparative evaluation of power management systems for advanced photovoltaic architectures. , 2014, , . | | 2 |

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| 91 | A high efficiency single-phase multilevel packed U cell inverter for photovoltaic applications. , 2014, , . | | 12 |
| 92 | Prediction of inductor AC power loss in PSiP buck converter based on Steinmetz parameters. , 2014, , . | | 5 |
| 93 | Design of high performance powered device for power over ethernet system. , 2014, , . | | 3 |
| 94 | Comparative study of topologies of single phase static converters for grid connected PV systems. , 2014, , . | | 1 |
| 95 | Novel three-phase multilevel voltage source inverter with reduced no. of switches. , 2014, , . | | 13 |
| 96 | Transient modeling and state feedback control strategy of Switched Inductor Quasi Z-source Inverter. , 2014, , . | | 0 |
| 97 | PV power forecasting using different Artificial Neural Networks strategies. , 2014, , . | | 12 |
| 98 | Experimental studies on a three phase improved switched Z-source inverter. , 2014, , . | | 18 |
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| 100 | Single-output-sensor on-chip integrated MPPT for PV solar system power management. , 2014, , . | | 5 |
| 101 | On-chip integrated cell-level power management architecture with MPPT for PV solar system. , 2014, , . | | 13 |
| 102 | Modeling and Experimental Study of Three-phase Improved Switched Inductor Z-Source Inverter. EPE Journal (European Power Electronics and Drives Journal), 2014, 24, 14-27. | 0.7 | 8 |
| 103 | MPPT Control and Architecture for PV Solar Panel with Sub-Module Integrated Converters. Journal of Power Electronics, 2014, 14, 1281-1292. | 0.9 | 10 |
| 104 | Experimental studies on a single-phase improved switched inductor Z-source inverter. , 2013, , . | | 7 |
| 105 | Two-stage micro-grid inverter with high-voltage gain for photovoltaic applications. IET Power Electronics, 2013, 6, 1812-1821. | 1.5 | 102 |
| 106 | High efficient variable step size incremental resistance maximum power point tracker for PV battery charging applications. , 2013, , . | | 3 |
| 107 | Design of integrated POL DC-DC converters based on two-stage architectures. , 2013, , . | | 4 |
| 108 | PV solar system with series output connection and MPPT control. , 2013, , . | | 3 |

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| 109 | A Single-stage High Boosting Ratio Converter for Grid-connected Photovoltaic Systems. Electric Power Components and Systems, 2013, 41, 896-911. | 1.0 | 33 |
| 110 | Control of a Stand-Alone Variable Speed Wind Energy Supply System. Applied Sciences (Switzerland), 2013, 3, 437-456. | 1.3 | 49 |
| 111 | The non ideality effect of optimizing the P&O MPPT algorithm for PV stand-alone applications. , 2012, , . | | 0 |
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| 113 | Simple maximum power extraction control for permanent magnet synchronous generator based wind energy conversion system. , 2012, , . | | 7 |
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| 116 | Control of a grid connected variable speed wind energy conversion system. , 2012, , . | | 6 |
| 117 | High frequency QSW-ZVS integrated buck converter utilizing an air-core inductor. , 2012, , . | | 5 |
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| 121 | Optimization of integrated power conditioning PV parameters. , 2012, , . | | 4 |
| 122 | Load current based analog MPPT controller for PV solar systems. , 2012, , . | | 17 |
| 123 | Single-phase five-level inverter with less number of power elements for grid connection. , 2012, , . | | 8 |
| 124 | Dynamics of PFC power converters subject to timeâ€delayed feedback control. International Journal of Circuit Theory and Applications, 2012, 40, 15-35. | 1.3 | 21 |
| 125 | Fuzzy Logic Speed Controller of 3-Phase Induction Motors for Efficiency Improvement. Journal of Power Electronics, 2012, 12, 305-316. | 0.9 | 14 |
| 126 | Modeling of non-ideal improved Switched Inductor (SL) Z-source inverter. , 2011, , . | | 8 |

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| 127 | Single-cell photovoltaic with integrated converter. , 2011, , . | | 8 |
| 128 | Single-phase five-level inverter with less number of power elements. , 2011, , . | | 7 |
| 129 | Energy Efficient Fine-grained approach for Solar Photovoltaic Management System. , 2011, , . | | 9 |
| 130 | The non ideality effect of optimizing the P&O MPPT algorithm for PV battery charger applications. , 2011, , . | | 4 |
| 131 | Design and development of energy-free solar street LED light system. , 2011, , . | | 24 |
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| 133 | High gain single-stage inverter for photovoltaic AC modules. , 2011, , . | | 35 |
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| 135 | New converter circuitry for high v applications using Switched Inductor Multilevel Converter. , 2011, , . | | 5 |
| 136 | Asymptotic Slow-Scale Stability Boundary of PFC ACâ€“DC Power Converters: Theoretical Prediction and Experimental Validation. IEEE Transactions on Industrial Electronics, 2011, 58, 3448-3460. | 5.2 | 43 |
| 137 | A less sensor control method for standalone small wind energy using Permanent Magnet Synchronous Generator. , 2011, , . | | 8 |
| 138 | Matlab/Pspice hybrid simulation modeling of solar PV cell/module. , 2011, , . | | 56 |
| 139 | Design considerations of a single-stage LED lamp driver with power factor correction. , 2011, , . | | 18 |
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| 141 | Modeling of switching frequency instabilities in buckâ€“based DCâ€“AC Hâ€“bridge inverters. International Journal of Circuit Theory and Applications, 2011, 39, 175-193. | 1.3 | 46 |
| 142 | Voltage deviation of POL converter with two-stage output filter. , 2011, , . | | 2 |
| 143 | Analysis and design of LCC resonant inverter for the transportation systems applications. , 2010, , . | | 10 |
| 144 | A unified practical approach to analyze the stability of the pre-regulator and complete two-stage PFC power supplies under average-current-mode control. , 2010, , . | | 1 |

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| 145 | Design of high performance point of load converters with ultra-low output voltage ripple. , 2010, , . | | 2 |
| 146 | Implementation of FPGA control for multilevel boost converter used for PV applications. , 2010, , . | | 3 |
| 147 | Optimum design of high efficiency power conditioning wind energy system. , 2010, , . | | 3 |
| 148 | Integrated ZVS POL synchronous buck converter for portable applications. , 2010, , . | | 9 |
| 149 | Buck-boost interleaved inverter for grid connected Photovoltaic system. , 2010, , . | | 28 |
| 150 | Stabilizing Technique for ACâ€“DC Boost PFC Converter Based on Time Delay Feedback. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 56-60. | 2.2 | 35 |
| 151 | Notch filtering-based stabilization of PFC AC-DC pre-regulators. , 2010, , . | | 4 |
| 152 | Development of grid connected power conditioner system compatible with fuel cell applications. , 2010, , . | | 5 |
| 153 | A novel integrated 50 MHz POL solution utilizing internal OTA compensation. , 2010, , . | | 1 |
| 154 | Development of high-gain high-efficiency grid-connected inverter for PV Module. , 2010, , . | | 19 |
| 155 | Simple sensorless control technique of permanent magnet synchronous generator wind turbine. , 2010, , . | | 19 |
| 156 | Electromagnetic Compatibility results for an LCC resonant inverter for the transportation systems. , 2010, , . | | 7 |
| 157 | A single stage SEPIC PFC converter for LED street lighting applications. , 2010, , . | | 35 |
| 158 | Development of high gain and efficiency photovoltaic system using multilevel boost converter topology. , 2010, , . | | 23 |
| 159 | Induction generator model for unbalanced distribution power-flow analysis. , 2010, , . | | 5 |
| 160 | A switched inductor multilevel boost converter. , 2010, , . | | 28 |
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| 162 | The electromagnetic compatibility design considerations of the input filter of a 3-phase inverter in a railway traction system. , 2010, , . | | 5 |

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| 163 | Development an efficient photovoltaic (PV) configuration for low power applications. , 2010, , . | | 14 |
| 164 | Circuit design considerations for integrated high switching frequency buck converter. , 2009, , . | | 1 |
| 165 | Stability analysis of power supplies required for remote sensing applications. , 2009, , . | | 1 |
| 166 | Stability analysis of PFC converters with one-cycle control. , 2009, , . | | 2 |
| 167 | New converter circuitry for PV applications using multilevel converters. , 2009, , . | | 21 |
| 168 | Study of nonlinear-carrier control stability for PFC boost converters. , 2008, , . | | 3 |
| 169 | PCB layout vias effect on power supply performance. IEEE Applied Power Electronics Conference and Exposition, 2008, , . | 0.0 | 1 |
| 170 | Widening stability zone of a multi-cell DC-DC buck converter by using Fixed Point Induced Control. , 2008, , . | | 2 |
| 171 | C<inf>oss</inf> capacitance contribution to synchronous buck converter losses. Power Electronics Specialist Conference (PESC), IEEE, 2008, , . | 0.0 | 4 |
| 172 | Sampled-data modeling of a new ultra-fast 48V voltage regulator module: experimental validation. IEEE Applied Power Electronics Conference and Exposition, 2008, , . | 0.0 | 1 |
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| 174 | Review of synchronous buck converter design optimization. , 2008, , . | | 4 |
| 175 | Modeling of switching frequency instabilities in buck-based DC-AC inverters by nonlinear time varying Poincaré mappings. , 2008, , . | | 0 |
| 176 | Utilization of a buck boost converter and the method of segmented capacitors in a CDI water purification system. , 2008, , . | | 10 |
| 177 | A REPRESENTATIVE DISCRETE-TIME MODEL FOR UNCOVERING SLOW AND FAST SCALE INSTABILITIES IN BOOST POWER FACTOR CORRECTION AC-DC PRE-REGULATORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 3073-3092. | 0.7 | 25 |
| 178 | Stability performance of two-stage PFC converters under nonlinear-carrier control and average-current-mode control. IEEE Applied Power Electronics Conference and Exposition, 2008, , . | 0.0 | 1 |
| 179 | Highly efficient Capacitive De-Ionization (CDI) water purification system using a buck-boost converter. IEEE Applied Power Electronics Conference and Exposition, 2008, , . | 0.0 | 5 |
| 180 | Operating Limitation of Buck Power Supplies Feeding DDR Memories -Source-Sink-Mode. , 2007, , . | | 2 |

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| 181 | Compensation Circuit Design Considerations for high Frequency DC/DC Buck Converters with Ceramic Output Capacitors. , 2007, , . | | 8 |
| 182 | Comparison between Nonlinear-Carrier Control and Average-Current-Mode Control for PFC Converters. , 2007, , . | | 16 |
| 183 | Comparison of Different Schemes for VRM Application. , 2006, , . | | 4 |
| 184 | The method of double averaging: an approach for modeling power-factor-correction switching converters. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 454-462. | 0.1 | 64 |
| 185 | Different Frequency Instabilities of Averaged Current Controlled Boost PFC AC-DC Regulators. , 2006, , . | | 6 |
| 186 | Operating performance of induction generator connected to utility grid during grid separation. , 2004, , . | | 3 |
| 187 | Nonlinear dynamics of power-factor-correction converter. IEEE Transactions on Industrial Electronics, 2003, 50, 1116-1125. | 5.2 | 115 |
| 188 | Nonlinear dynamics and stability analyses of boost power-factor-correction circuit. , 0, , . | | 15 |
| 189 | Novel developments in the study of nonlinear phenomena in power factor correction circuits. , 0, , . | | 11 |
| 190 | A novel modeling of instability phenomena in PFC converter. , 0, , . | | 23 |
| 191 | New formulation for stability analysis of power factor correction converters. , 0, , . | | 14 |
| 192 | A unified design of single-stage and two-stage PFC converter. , 0, , . | | 14 |
| 193 | An optimum design of boost power-factor-correction converter. , 0, , . | | 1 |
| 194 | Numerical and experimental study of instability phenomena of a boost PFC converter. , 0, , . | | 0 |
| 195 | A simple criterion to judge PFC converter stability. , 0, , . | | 1 |
| 196 | Analysis of PFC converter stability using energy balance theory. , 0, , . | | 15 |
| 197 | Novel nonlinear representation for two-stage power-factor-correction converter instability. , 0, , . | | 8 |
| 198 | Method of double averaging for modeling PFC switching converters. , 0, , . | | 1 |

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| 199 | A neuro-optimal control power system stabilizer: a comparative study. , 0, , . | | 1 |
| 200 | Identification of bifurcation parameters in switching power converter composed of cascade two-stage PFC circuit. , 0, , . | | 1 |
| 201 | Study of alternative regimes to analyze two-stage PFC converter. , 0, , . | | 7 |
| 202 | High-performance induction generator-wind turbine connected to utility grid. , 0, , . | | 11 |
| 203 | Review of preregulator CCM boost PFC converter dynamics limits. , 0, , . | | 1 |
| 204 | Investigation of self-excited induction generators for wind turbine applications. , 0, , . | | 8 |
| 205 | Efficient performances of induction generator for wind energy utilization. , 0, , . | | 13 |
| 206 | Commercial utility frequency AC to high frequency AC soft switching power conversion circuit with non smoothing DC link for IH dual packs heater. , 0, , . | | 15 |
| 207 | Indirect field orientation control of self-excited induction generator for wind energy conversion system. , 0, , . | | 0 |
| 208 | A novel single stage AC-DC self-oscillating series parallel resonant converter. , 0, , . | | 6 |
| 209 | Investigating Stability and Bifurcations of a Boost PFC Circuit Under Peak Current Mode Control. , 0, , . | | 6 |