# Mark Sumner

List of Publications by Year
in descending order

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| 201 | 5,659 | 57631 | 88477 |
|---|---|---|---|
| papers | citations | 44 h-index | 70 g-index |

| 201 | 201 | 201 | 4280 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Distributed Predictive Secondary Control for Imbalance Sharing in AC Microgrids. IEEE Transactions on Smart Grid, 2022, 13, 20-37. | 6.2 | 21 |
| 2 | Socio-Economic Benefits in Community Energy Structures. Sustainability, 2022, 14, 1890. | 1.6 | 4 |
| 3 | An Analysis for Benefits of Shared Community Energy Storage for three Real Settlements in the UK. Innovative Renewable Energy, 2022, , 731-742. | 0.2 | 1 |
| 4 | A Novel Multiport DC-DC Converter for Enhancing the Design and Performance of Batteryâ€“Supercapacitor Hybrid Energy Storage Systems for Unmanned Aerial Vehicles. Applied Sciences (Switzerland), 2022, 12, 2767. | 1.3 | 8 |
| 5 | Sensorless Control of a PMSM Drive Post an Open Circuit Failure Based on 3Dâ€SVPWM Technique. IEEJ Transactions on Electrical and Electronic Engineering, 2022, 17, 1072-1082. | 0.8 | 2 |
| 6 | Sensorless Control of Seven-Phase PMSM Drives Using NSV-SVPWM with Minimum Current Distortion. Electronics (Switzerland), 2022, 11, 792. | 1.8 | 3 |
| 7 | Distributed Predictive Secondary Control for Voltage Restoration and Economic Dispatch of Generation for DC Microgrids. , 2021, , . | | 4 |
| 8 | Distributed Predictive Control Strategy for Frequency Restoration of Microgrids Considering Optimal Dispatch. IEEE Transactions on Smart Grid, 2021, 12, 2748-2759. | 6.2 | 20 |
| 9 | Distributed Predictive Control using Frequency and Voltage Soft Constraints in AC Microgrids including Economic Dispatch of Generation. , 2021, , . | | 4 |
| 10 | Energy management system for hybrid PV-wind-battery microgrid using convex programming, model predictive and rolling horizon predictive control with experimental validation. International Journal of Electrical Power and Energy Systems, 2020, 115, 105483. | 3.3 | 90 |
| 11 | A Low-Current Ripple and Wide Voltage-Gain Range Bidirectional DCâ€“DC Converter With Coupled Inductor. IEEE Transactions on Power Electronics, 2020, 35, 1525-1535. | 5.4 | 25 |
| 12 | Distributed Control Strategy Based on a Consensus Algorithm and on the Conservative Power Theory for Imbalance and Harmonic Sharing in 4-Wire Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 1604-1619. | 6.2 | 46 |
| 13 | A Wideband Single End Fault Location Scheme for Active Untransposed Distribution Systems. IEEE Transactions on Smart Grid, 2020, 11, 2115-2124. | 6.2 | 16 |
| 14 | A SVM-3D Based Encoderless Control of a Fault-Tolerant PMSM Drive. Electronics (Switzerland), 2020, 9, 1095. | 1.8 | 2 |
| 15 | Sensorless Speed Control of a Fault-Tolerant Five-Phase PMSM Drives. Electric Power Components and Systems, 2020, 48, 919-932. | 1.0 | 3 |
| 16 | Single-Phase Consensus-Based Control for Regulating Voltage and Sharing Unbalanced Currents in 3-Wire Isolated AC Microgrids. IEEE Access, 2020, 8, 164882-164898. | 2.6 | 20 |
| 17 | Performance Assessment of an Energy Management System for a Home Microgrid with PV Generation. Energies, 2020, 13, 3436. | 1.6 | 19 |
| 18 | A Fault Location Scheme for Active Untransposed Distribution Systems Using a Limited Number of Synchronized Measurements. Electric Power Components and Systems, 2020, 48, 1-11. | 1.0 | 2 |

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| 19 | A hierarchical two-stage energy management for a home microgrid using model predictive and real-time controllers. Applied Energy, 2020, 269, 115118. | 5.1 | 52 |
| 20 | Fault Ride-Through Power Electronic Topologies for Hybrid Energy Storage Systems. Energies, 2020, 13, 257. | 1.6 | 6 |
| 21 | Distributed Control Strategy Based on a Consensus Algorithm for the Inter-cell and Inter-cluster Voltage Balancing of a Cascaded H-Bridge Based STATCOM. , 2020, , . | | 7 |
| 22 | DCâ€“DC Boost Converter With a Wide Input Range and High Voltage Gain for Fuel Cell Vehicles. IEEE Transactions on Power Electronics, 2019, 34, 4100-4111. | 5.4 | 124 |
| 23 | Hybrid Switched-Capacitor/Switched-Quasi-Z-Source Bidirectional DCâ€“DC Converter With a Wide Voltage Gain Range for Hybrid Energy Sources EVs. IEEE Transactions on Industrial Electronics, 2019, 66, 2680-2690. | 5.2 | 98 |
| 24 | Real-Time Energy Management for a Small Scale PV-Battery Microgrid: Modeling, Design, and Experimental Verification. Energies, 2019, 12, 2712. | 1.6 | 11 |
| 25 | A Novel Modular Multiport Converter for Enhancing the Performance of Photovoltaic-Battery Based Power Systems. Applied Sciences (Switzerland), 2019, 9, 3948. | 1.3 | 7 |
| 26 | Optimization based Real-Time Home Energy Management in the Presence of Renewable Energy and Battery Energy Storage. , 2019, , . | | 14 |
| 27 | Sizing guidelines for gridâ€connected decentralised energy storage systems: single house application. Journal of Engineering, 2019, 2019, 3802-3806. | 0.6 | 4 |
| 28 | A new single end wideband impedance based fault location scheme for distribution systems. Electric Power Systems Research, 2019, 173, 263-270. | 2.1 | 42 |
| 29 | Small-Signal Modelling and Stability Assessment of Phase-Locked Loops in Weak Grids. Energies, 2019, 12, 1227. | 1.6 | 13 |
| 30 | Influence of Inverter-Interfaced Renewable Energy Generators on Directional Relay and an Improved Scheme. IEEE Transactions on Power Electronics, 2019, 34, 11843-11855. | 5.4 | 98 |
| 31 | Wide frequency range active damping of LCLâ€filtered gridâ€connected converters. Journal of Engineering, 2019, 2019, 3542-3547. | 0.6 | 2 |
| 32 | Optimising the structure of a cascaded modular battery system for enhancing the performance of battery packs. Journal of Engineering, 2019, 2019, 3862-3866. | 0.6 | 7 |
| 33 | An Exploration of Design Options for Integrated Residential PV-ESS. , 2019, , . | | 1 |
| 34 | Virtual Synchronous Machine Control for Grid Transmission Compliance Studies. , 2019, , . | | 1 |
| 35 | Hierarchical Energy Management System for Microgrid Operation Based on Robust Model Predictive Control. Energies, 2019, 12, 4453. | 1.6 | 30 |
| 36 | Sensorless Speed Control of Five-Phase PMSM Drives in Case of a Single-Phase Open-Circuit Fault. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2019, 43, 501-517. | 1.5 | 5 |

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| 37 | A Control Algorithm Based on the Conservative Power Theory for Cooperative Sharing of Imbalances in Four-Wire Systems. IEEE Transactions on Power Electronics, 2019, 34, 5325-5339. | 5.4 | 31 |
| 38 | A Common Ground Switched-Quasi-$Z$ -Source Bidirectional DCâ€“DC Converter With Wide-Voltage-Gain Range for EVs With Hybrid Energy Sources. IEEE Transactions on Industrial Electronics, 2018, 65, 5188-5200. | 5.2 | 80 |
| 39 | Observer-Based Pulsed Signal Injection for Grid Impedance Estimation in Three-Phase Systems. IEEE Transactions on Industrial Electronics, 2018, 65, 7888-7899. | 5.2 | 53 |
| 40 | Single-Switch, Wide Voltage-Gain Range, Boost DCâ€“DC Converter for Fuel Cell Vehicles. IEEE Transactions on Vehicular Technology, 2018, 67, 134-145. | 3.9 | 68 |
| 41 | A Switched-Capacitor Bidirectional DCâ€“DC Converter With Wide Voltage Gain Range for Electric Vehicles With Hybrid Energy Sources. IEEE Transactions on Power Electronics, 2018, 33, 9459-9469. | 5.4 | 156 |
| 42 | High Frequency Impedance Based Fault Location in Distribution System With DGs. IEEE Transactions on Smart Grid, 2018, 9, 807-816. | 6.2 | 74 |
| 43 | Sensorless speed control of five-phase PMSM drives with low current distortion. Electrical Engineering, 2018, 100, 357-374. | 1.2 | 6 |
| 44 | Interleaved Switched-Capacitor Bidirectional DC-DC Converter With Wide Voltage-Gain Range for Energy Storage Systems. IEEE Transactions on Power Electronics, 2018, 33, 3852-3869. | 5.4 | 116 |
| 45 | A Wide Input-Voltage Range Quasi-Z-Source Boost DCâ€“DC Converter With High-Voltage Gain for Fuel Cell Vehicles. IEEE Transactions on Industrial Electronics, 2018, 65, 5201-5212. | 5.2 | 102 |
| 46 | Influence of DGs on the Single-Ended Impedance Based Fault Location Technique. , 2018, , . | | 2 |
| 47 | Utilizing Spare Inverter Capacity for Distribution Grid Voltage Support: An Adaptive Control Scheme. , 2018, , . | | 0 |
| 48 | Microgrid Energy Management Using a Two Stage Rolling Horizon Technique for Controlling an Energy Storage System. , 2018, , . | | 9 |
| 49 | A Wideband Fault Location Scheme for Active Distribution Systems. , 2018, , . | | 2 |
| 50 | Impact of an inverterâ€based DG on a doubleâ€ended fault location method. Journal of Engineering, 2018, 2018, 1078-1083. | 0.6 | 3 |
| 51 | Measurement and Evaluation of the Conducted Emissions of a DC/DC Power Converter in the Frequency Range 2â€“150 kHz. , 2018, , . | | 9 |
| 52 | Sensorless Control of a Fault Tolerant Multi-level Inverter PMSM Drives in Case of an Open Circuit Fault. , 2018, , . | | 4 |
| 53 | An Enhanced Hybrid Switching-Frequency Modulation Strategy for Fuel Cell Vehicle Three-Level DC-DC Converters with Quasi-Z Source. Energies, 2018, 11, 1026. | 1.6 | 5 |
| 54 | An independently controlled energy storage to support short term frequency fluctuations in weak electrical grids. International Journal of Electrical Power and Energy Systems, 2018, 103, 562-576. | 3.3 | 13 |

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| 55 | Predictive Frequency-Based Sequence Estimator for Control of Grid-Tied Converters Under Highly Distorted Conditions. IEEE Transactions on Industry Applications, 2018, 54, 5306-5317. | 3.3 | 2 |
| 56 | A Method for the Suppression of Fluctuations in the Neutral-Point Potential of a Three-Level NPC Inverter With a Capacitor-Voltage Loop. IEEE Transactions on Power Electronics, 2017, 32, 825-836. | 5.4 | 38 |
| 57 | An Islanding Detection Method for Multi-DG Systems Based on High-Frequency Impedance Estimation. IEEE Transactions on Sustainable Energy, 2017, 8, 74-83. | 5.9 | 69 |
| 58 | Fault Signal Propagation Through the PMSM Motor Drive Systems. IEEE Transactions on Industry Applications, 2017, 53, 2915-2924. | 3.3 | 5 |
| 59 | Historical-Data-Based Energy Management in a Microgrid With a Hybrid Energy Storage System. IEEE Transactions on Industrial Informatics, 2017, 13, 2597-2605. | 7.2 | 51 |
| 60 | Input-Parallel Output-Series DC-DC Boost Converter With a Wide Input Voltage Range, For Fuel Cell Vehicles. IEEE Transactions on Vehicular Technology, 2017, 66, 7771-7781. | 3.9 | 147 |
| 61 | Experimental Evaluation of a CPT-Based Four-Leg Active Power Compensator for Distributed Generation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 747-759. | 3.7 | 48 |
| 62 | A double end fault location technique for distribution systems based on fault-generated transients. , 2017, , . | | 9 |
| 63 | Fault detection for PMSM motor drive systems by monitoring inverter input currents. CES Transactions on Electrical Machines and Systems, 2017, 1, 174-179. | 2.7 | 5 |
| 64 | Wide Input-Voltage Range Boost Three-Level DCâ€“DC Converter With Quasi-Z Source for Fuel Cell Vehicles. IEEE Transactions on Power Electronics, 2017, 32, 6728-6738. | 5.4 | 92 |
| 65 | Design recommendations for energy systems: A UK energy community study. , 2017, , . | | 2 |
| 66 | Grid impedance estimation for islanding detection and adaptive control of converters. IET Power Electronics, 2017, 10, 1279-1288. | 1.5 | 41 |
| 67 | Realising robust low speed sensorless PMSM control using current derivatives obtained from standard current sensors. , 2017, , . | | 4 |
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| 69 | Adaptive power flow control for reducing peak demand and maximizing renewable energy usage. , 2017, , . | | 4 |
| 70 | Being a member of an energy community: Assessing the financial benefits for end-users and management authority. , 2017, , . | | 9 |
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| 73 | Development of a battery energy loss observer based on improved equivalent circuit modelling. , 2016, , . | | 4 |
| 74 | Hybrid active damping of LCL-filtered grid connected converter. , 2016, , . | | 3 |
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| 76 | Evaluation of saliency tracking as an alternative for health monitoring in PMSMâ€drives under nonâ€stationary conditions. IET Electric Power Applications, 2016, 10, 284-293. | 1.1 | 11 |
| 77 | Sensorless control of Fault Tolerant PMSM drives in case of single-phase open circuit fault. , 2016, , . | | 0 |
| 78 | The effect of including power converter losses when modelling energy storage systems: A UK domestic study. , 2016, , . | | 7 |
| 79 | Condition monitoring approach for permanent magnet synchronous motor drives based on the INFORM method. IET Electric Power Applications, 2016, 10, 54-62. | 1.1 | 13 |
| 80 | Modelling and Simulation of a Sensorless Control of a True Asymmetric Cascade H-Bridge Multilevel Inverter PMSM Drives. International Journal of Power Electronics and Drive Systems, 2016, 7, 397. | 0.5 | 3 |
| 81 | A Modelling and Simulation of a Sensorless Control of Five-phase PMSM Drives using Multi-dimension Space Vector Modulation. Telkomnika (Telecommunication Computing Electronics and Control), 2016, 14, 1269. | 0.6 | 6 |
| 82 | Modeling and simulation of sensorless control of four-leg inverter PMSM drives in the case of a single-phase open circuit fault. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 3807-3820. | 0.9 | 5 |
| 83 | High Ratio Bidirectional DC-DC Converter with a Synchronous Rectification H-Bridge for Hybrid Energy Sources Electric Vehicles. Journal of Power Electronics, 2016, 16, 2035-2044. | 0.9 | 10 |
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| 86 | Non-contact arc study for DC power systems. , 2015, , . | | 2 |
| 87 | Mathematical Modeling of the Harmonic Distortion Caused by a Group of PCs Using Curve Fitting Technique. , 2015, , . | | 1 |
| 88 | Estimating current derivatives for sensorless motor drive applications. , 2015, , . | | 13 |
| 89 | Realâ€time deterministic power flow control through dispatch of distributed energy resources. IET Generation, Transmission and Distribution, 2015, 9, 2724-2735. | 1.4 | 10 |
| 90 | Investigating the impact of varying the number of distributed energy resources on controlling the power flow within a microgrid. , 2015, , . | | 1 |

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| 91 | Marine Power Distribution System Fault Location Using a Portable Injection Unit. IEEE Transactions on Power Delivery, 2015, 30, 818-826. | 2.9 | 26 |
| 92 | A novel stochastic modelling approach for electric vehicle charging power and energy requirements. , 2015, , . | | 2 |
| 93 | Investigating the impact of varying the number of distributed energy resources on controlling the power flow within a microgrid. , 2015, , . | | 2 |
| 94 | Experimental Measurements and Computer Simulations of Home Appliances Loads for Harmonic Studies. , 2014, , . | | 11 |
| 95 | Experimental Measurements and Computer Simulations of FL and CFL for Harmonic Studies. , 2014, , . | | 0 |
| 96 | Background voltage distortion and percentage of nonlinear load impacts on the harmonics produced by a group of Personal Computers. , 2014, , . | | 7 |
| 97 | Low frequency signal injection for grid impedance estimation in three phase systems. , 2014, , . | | 7 |
| 98 | Factors affecting the harmonics generated by a cluster of personal computers. , 2014, , . | | 4 |
| 99 | Advanced DC zonal marine power system protection. IET Generation, Transmission and Distribution, 2014, 8, 301-309. | 1.4 | 47 |
| 100 | Real Time Parameter Estimation for Power Quality Control and Intelligent Protection of Grid-Connected Power Electronic Converters. IEEE Transactions on Smart Grid, 2014, 5, 1602-1607. | 6.2 | 64 |
| 101 | Energy management research using emulators of renewable generation and loads. , 2013, , . | | 3 |
| 102 | Modelling and Simulation of a 3kW Residential Photovoltaic for Harmonics Analysis. , 2013, , . | | 1 |
| 103 | Implementation of sensorless control of induction machines using only fundamental PWM waveforms of a twoâ€level converter. IET Power Electronics, 2013, 6, 1575-1582. | 1.5 | 12 |
| 104 | Power quality of a voltage source converter in a smart grid. , 2013, , . | | 4 |
| 105 | Microgrid unbalance compensator - Mitigating the negative effects of unbalanced microgrid operation. , 2013, , . | | 5 |
| 106 | Arc fault generation and detection in DC systems. , 2013, , . | | 14 |
| 107 | Low Carrierâ€“Fundamental Frequency Ratio PWM for Multilevel Active Shunt Power Filters for Aerospace Applications. IEEE Transactions on Industry Applications, 2013, 49, 159-167. | 3.3 | 30 |
| 108 | A New Double-Ended Fault-Location Scheme for Utilization in Integrated Power Systems. IEEE Transactions on Power Delivery, 2013, 28, 594-603. | 2.9 | 27 |

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| 109 | Control and Modulation of a Multilevel Active Filtering Solution for Variable-Speed Constant-Frequency More-Electric Aircraft Grids. IEEE Transactions on Industrial Informatics, 2013, 9, 600-608. | 7.2 | 36 |
| 110 | Optimal management of stationary lithium-ion battery system in electricity distribution grids. Journal of Power Sources, 2013, 242, 742-755. | 4.0 | 61 |
| 111 | Mathematical analysis of the equivalent impedance at the harmonic frequency for the proposed aircraft power system. IET Electrical Systems in Transportation, 2013, 3, 87-101. | 1.5 | 2 |
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| 113 | Fault Location in a Zonal DC Marine Power System Using Active Impedance Estimation. IEEE Transactions on Industry Applications, 2013, 49, 860-865. | 3.3 | 86 |
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| 117 | A novel current derivative measurement using recursive least square algorithms for sensorless control of permanent magnet synchronous machine. , 2012, , . | | 10 |
| 118 | The development of real-time wind turbine emulation for microgrid research. , 2012, , . | | 5 |
| 119 | Fault location in DC marine power system using multiple injections. , 2012, , . | | 1 |
| 120 | Harmonics attenuation of nonlinear loads due to linear loads. , 2012, , . | | 5 |
| 121 | Prediction of inductance characteristics of PMSMs in saliency-based sensorless control. , 2012, , . | | 2 |
| 122 | Adaptive Selective Compensation for Variable Frequency Active Power Filters in More Electrical Aircraft. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 1319-1328. | 2.6 | 27 |
| 123 | Investigating the Effects of Incorporating Seasonal Variation in a Domestic Active Occupancy Model. Smart Innovation, Systems and Technologies, 2012, , 447-455. | 0.5 | 0 |
| 124 | Operating limits for drive condition monitoring using supply current signature analysis. , 2011, , . | | 1 |
| 125 | Multi-sampled carrier-based PWM for multilevel active shunt power filters for aerospace applications. , 2011, , . | | 15 |
| 126 | Fault location for a DC zonal electrical distribution systems using active impedance estimation. , 2011, , . | | 16 |

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| 127 | Running DFT-Based PLL Algorithm for Frequency, Phase, and Amplitude Tracking in Aircraft Electrical Systems. IEEE Transactions on Industrial Electronics, 2011, 58, 1027-1035. | 5.2 | 90 |
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| 130 | A novel fault location algorithm uttlized in marine system with CWT. , 2011, , . | | 0 |
| 131 | Analysis of two-part rotor, axial flux permanent magnet machines. , 2011, , . | | 0 |
| 132 | Design of a periphery control FPGA board for electric drive systems. , 2010, , . | | 0 |
| 133 | Inductance characteristics of PMSMs and their impact on saliency-based sensorless control. , 2010, , . | | 17 |
| 134 | Fault identification for “More Electric” Aircraft distribution systems. , 2010, , . | | 3 |
| 135 | Sensorless Control of Induction Machines at Low and Zero Speed by Using PWM Harmonics for Rotor-Bar Slotting Detection. IEEE Transactions on Industry Applications, 2010, 46, 1989-1998. | 3.3 | 31 |
| 136 | Analysis and Compensation of Inverter Nonlinearity Effect on a Sensorless PMSM Drive at Very Low and Zero Speed Operation. IEEE Transactions on Industrial Electronics, 2010, 57, 4065-4074. | 5.2 | 71 |
| 137 | Real-time fault diagnostics for a permanent magnet synchronous motor drive for aerospace applications. , 2010, , . | | 6 |
| 138 | Fault location in a zonal DC marine power system using Active Impedance Estimation. , 2010, , . | | 11 |
| 139 | A Theoretical Analysis of the Harmonic Content of PWM Waveforms for Multiple-Frequency Modulators. IEEE Transactions on Power Electronics, 2010, 25, 131-141. | 5.4 | 45 |
| 140 | On-line fault diagnostic for AC zonal marine distribution systems. , 2010, , . | | 1 |
| 141 | A DC distribution demonstrator incorporating Active Impedance Estimation for marine applications. , 2010, , . | | 5 |
| 142 | Wide-speed range sensorless control of an AC PM motor using the PWM waveform of a matrix converter and without di/dt sensors. , 2009, , . | | 4 |
| 143 | Experimental verification for stability improvement of sensorless vector control system of induction motor using realâ€time tuning of observer gain. Electrical Engineering in Japan (English Translation of) Tj ETQq1 1 0.784314 rgBT /Ov | | |
| 144 | Evaluation of Three-Phase Transformerless Photovoltaic Inverter Topologies. IEEE Transactions on Power Electronics, 2009, 24, 2202-2211. | 5.4 | 374 |

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| 145 | Fault location for DC marine power systems. , 2009, , . | | 16 |
| 146 | Experimental modeling and control design of shunt active power filters. Control Engineering Practice, 2009, 17, 1126-1135. | 3.2 | 22 |
| 147 | Position Estimation of a Matrix-Converter-Fed AC PM Machine From Zero to High Speed Using PWM Excitation. IEEE Transactions on Industrial Electronics, 2009, 56, 2030-2038. | 5.2 | 33 |
| 148 | Real-Time Estimation of Fundamental Frequency and Harmonics for Active Shunt Power Filters in Aircraft Electrical Systems. IEEE Transactions on Industrial Electronics, 2009, 56, 2875-2884. | 5.2 | 136 |
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| 150 | Numerical determination of Jilesâ€Atherton model parameters. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2009, 28, 493-503. | 0.5 | 19 |
| 151 | Characteristics of Jilesâ€“Atherton Model Parameters and Their Application to Transformer Inrush Current Simulation. IEEE Transactions on Magnetics, 2008, 44, 340-345. | 1.2 | 49 |
| 152 | Power System Stabilisation Using STATCOM with Supercapacitors. , 2008, , . | | 14 |
| 153 | Condition monitoring for mechanical faults in fully integrated servo drive systems. , 2008, , . | | 0 |
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| 156 | Inverter non-linearity effects on a sensorless PMSM drive without additional test signal injection and zero speed operation. , 2008, , . | | 3 |
| 157 | Experimental performance evaluation for low speed and regenerating operation of sensor-less vector control system of induction motor using observer gain tuning. , 2008, , . | | 0 |
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| 160 | Permanent Magnet Synchronous machines for Saliency-based, Self-Sensored Motion Control. , 2007, , . | | 3 |
| 161 | Robust Control Design through Experimental Load Identification for Variable Speed Drives. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , . | 0.0 | 1 |
| 162 | Robust Control Design through Experimental Load Identification for Variable Speed Drives. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , . | 0.0 | 0 |

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| 163 | Experimental Simplex-Genetic Algorithm for Self-Commissioning of Electric Drives. EPE Journal (European Power Electronics and Drives Journal), 2007, 17, 31-37. | 0.7 | 2 |
| 164 | A Fast Adaptive Memetic Algorithm for Online and Offline Control Design of PMSM Drives. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 28-41. | 5.5 | 205 |
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| 166 | Position Estimation of AC Machines Over a Wide Frequency Range Based on Space Vector PWM Excitation. IEEE Transactions on Industry Applications, 2007, 43, 1001-1011. | 3.3 | 91 |
| 167 | Elimination of Waveform Distortions in Matrix Converters Using a New Dual Compensation Method. IEEE Transactions on Industrial Electronics, 2007, 54, 2079-2087. | 5.2 | 62 |
| 168 | Sensorless Position and Speed Control of Induction Motors Using High-Frequency Injection and Without Offline Precommissioning. IEEE Transactions on Industrial Electronics, 2007, 54, 2474-2481. | 5.2 | 84 |
| 169 | A Low Switching Frequency High Bandwidth Current Control for Active Shunt Power Filter in Aircrafts Power Networks. , 2007, , . | | 18 |
| 170 | The results do mesh. IEEE Industry Applications Magazine, 2007, 13, 62-72. | 0.3 | 45 |
| 171 | Shaft Sensorless Speed Control of Induction Motor Drive. , 2006, , . | | 0 |
| 172 | Shunt Active Filter for Voltage and Power Improvements within a Micro-grid. , 2006, , . | | 1 |
| 173 | A Novel High Performance Current Control for Shunt Active Filters. , 2006, , . | | 3 |
| 174 | Voltage Balance Control for a Multilevel Interface for Renewable Energy Systems. , 2006, , . | | 2 |
| 175 | Performance of HF signal injection techniques for zero-low-frequency vector control of induction Machines under sensorless conditions. IEEE Transactions on Industrial Electronics, 2006, 53, 225-238. | 5.2 | 98 |
| 176 | Sensorless control of induction Machines at zero and low frequency using zero sequence currents. IEEE Transactions on Industrial Electronics, 2006, 53, 195-206. | 5.2 | 76 |
| 177 | Hybrid rotor position observer for wide speed-range sensorless PM motor drives including zero speed. IEEE Transactions on Industrial Electronics, 2006, 53, 373-378. | 5.2 | 192 |
| 178 | Control of an AC Dynamometer for Dynamic Emulation of Mechanical Loads With Stiff and Flexible Shafts. IEEE Transactions on Industrial Electronics, 2006, 53, 1250-1260. | 5.2 | 65 |
| 179 | A "Two Ahead" Predictive Controller for Active Shunt Power Filters. Industrial Electronics Society (IECON ), Annual Conference of IEEE, 2006, , . | 0.0 | 7 |
| 180 | High Performance Predictive Current Control for Active Shunt Filters. , 2006, , . | | 10 |

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| 182 | Comparative analysis of experimental performance and stability of sensorless induction motor drives. IEEE Transactions on Industrial Electronics, 2006, 53, 178-186. | 5.2 | 120 |
| 183 | Automated Online Design of Robust Speed Digital Controllers For Variable Speed Drives. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2006, , . | 0.0 | 3 |
| 184 | Automated Online Design of Robust Position and Speed Digital Controllers For Variable Speed Drives. Industrial Electronics Society (IECON ), Annual Conference of IEEE, 2006, , . | 0.0 | 1 |
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