

# Roberto Cardenas-Dobson

## List of Publications by Year in descending order

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147  
papers

7,058  
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81743

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148  
docs citations

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times ranked

4187  
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  | Continuous Set Model Predictive Control for Energy Management of Modular Multilevel Matrix Converters. IEEE Transactions on Power Electronics, 2022, 37, 5731-5748.  | 5.4 | 8         |
| 3  | Cyber-Attacks in Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2022, 37, 8488-8501.   | 5.4 | 21        |
| 4  | An Overview of Four-Leg Converters: Topologies, Modulations, Control and Applications. IEEE Access, 2022, 10, 61277-61325.   | 2.6 | 11        |
| 5  | A Consensus-Based Secondary Control Strategy for Hybrid AC/DC Microgrids With Experimental Validation. IEEE Transactions on Power Electronics, 2021, 36, 5971-5984.  | 5.4 | 35        |
| 6  | Predictive Optimal Switching Sequence Direct Power Control for Grid-Tied 3L-NPC Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 8561-8571.  | 5.2 | 23        |
| 7  | Multi-Objective Finite-Time Control for the Interlinking Converter on Hybrid AC/DC Microgrids. IEEE Access, 2021, 9, 116183-116193.  | 2.6 | 3         |
| 8  | Experimental Validation of a Nested Control System to Balance the Cell Capacitor Voltages in Hybrid MMCs. IEEE Access, 2021, 9, 21965-21985.   | 2.6 | 6         |
| 9  | A Power Loss Ride Through Control Strategy for Variable Speed Drives based on the Modular Multilevel Matrix Converter. , 2021, , .   |     | 1         |
| 10 | Circulating Current Control for the Modular Multilevel Matrix Converter Based on Model Predictive Control. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 6069-6085.                        | 3.7 | 15        |
| 11 | Back To Back Modular Multilevel Converter with Dynamic Hybrid Link For High Performance Drive. , 2021, , .   |     | 0         |
| 12 | Experimental Performance Evaluation of a Distributed Secondary Control Strategy for Hybrid ac/dc-Microgrids in the Event of Communication Loss/Delay. , 2021, , .  |     | 0         |
| 13 | A Vector Control Strategy to Eliminate Active Power Oscillations in Four-Leg Grid-Connected Converters Under Unbalanced Voltages. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1728-1738. | 3.7 | 16        |
| 14 | Distributed Predictive Control for Frequency and Voltage Regulation in Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 1319-1329.   | 6.2 | 44        |
| 15 | 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        |
| 16 | Cooperative Regulation of Imbalances in Three-Phase Four-Wire Microgrids Using Single-Phase Droop Control and Secondary Control Algorithms. IEEE Transactions on Power Electronics, 2020, 35, 1978-1992.                 | 5.4 | 35        |
| 17 | An Overview of Applications of the Modular Multilevel Matrix Converter. Energies, 2020, 13, 5546.  | 1.6 | 28        |
| 18 | Distributed Control Strategies for Microgrids: An Overview. IEEE Access, 2020, 8, 193412-193448.   | 2.6 | 178       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | 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        |
| 20 | An Overview of Modelling Techniques and Control Strategies for Modular Multilevel Matrix Converters. Energies, 2020, 13, 4678.  | 1.6 | 21        |
| 21 | Experimental Hybrid AC/DC-Microgrid Prototype for Laboratory Research. , 2020, , .  |     | 6         |
| 22 | Solid State Transformers: Concepts, Classification, and Control. Energies, 2020, 13, 2319.  | 1.6 | 45        |
| 23 | Particle-Filtering-Based Prognostics for the State of Maximum Power Available in Lithium-Ion Batteries at Electromobility Applications. IEEE Transactions on Vehicular Technology, 2020, 69, 7187-7200. | 3.9 | 12        |
| 24 | Control of a Modular Multilevel Matrix Converter for Unified Power Flow Controller Applications. Energies, 2020, 13, 953.   | 1.6 | 9         |
| 25 | Modular Multilevel Converter Based Topology for High-Speed, Low-Voltage Electric Drives. IEEE Transactions on Industry Applications, 2020, 56, 5202-5211.   | 3.3 | 6         |
| 26 | Design and Implementation of a Low-Cost Real-Time Control Platform for Power Electronics Applications. Energies, 2020, 13, 1527.  | 1.6 | 17        |
| 27 | Improved Modular Multilevel Converter topology for low voltage variable speed drives. , 2020, , .   |     | 0         |
| 28 | Finite-Time Second-Order Cooperative Control for the Economic Dispatch in DC Microgrids. , 2020, , .  |     | 2         |
| 29 | 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         |
| 30 | Model-Predictive-Control-Based Capacitor Voltage Balancing Strategies for Modular Multilevel Converters. IEEE Transactions on Industrial Electronics, 2019, 66, 2432-2443.                              | 5.2 | 33        |
| 31 | Vector control strategies to enable equal frequency operation of the modular multilevel matrix converter. Journal of Engineering, 2019, 2019, 4214-4219.  | 0.6 | 9         |
| 32 | Control and operation of the MMC-based drive with reduced capacitor voltage fluctuations. Journal of Engineering, 2019, 2019, 3618-3623.  | 0.6 | 2         |
| 33 | Control of a Double Fed Induction Generator based Wind Energy Conversion System equipped with a Modular Multilevel Matrix Converter. , 2019, , .  |     | 4         |
| 34 | Small-Signal Modelling and Stability Assessment of Phase-Locked Loops in Weak Grids. Energies, 2019, 12, 1227.  | 1.6 | 13        |
| 35 | Computationally Efficient Cascaded Optimal Switching Sequence MPC for Grid-Connected Three-Level NPC Converters. IEEE Transactions on Power Electronics, 2019, 34, 12464-12475.                         | 5.4 | 76        |
| 36 | A Design Methodology of Multiresonant Controllers for High Performance 400 Hz Ground Power Units. IEEE Transactions on Industrial Electronics, 2019, 66, 6549-6559.                                     | 5.2 | 16        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Pareto-based modulated model predictive control strategy for power converter applications. <i>Electric Power Systems Research</i> , 2019, 171, 158-174.                                     | 2.1 | 8         |
| 38 | A Novel Topology and Control System for Interconnected Wave Energy Converters (IWECS). , 2019, , .  |     | 0         |
| 39 | Effects of a Variable dc-Port Voltage on the Half-Bridge-Based Modular Multilevel Converter for Drive Systems. , 2019, , .  |     | 0         |
| 40 | A Novel Distributed Secondary Control Strategy Applied to Hybrid AC/DC Microgrids. , 2019, , .  |     | 1         |
| 41 | A Parallel Fast Delayed Signal Cancellation PLL for Unbalanced and Distorted Grid Applications. , 2019, , .   |     | 0         |
| 42 | Predictive Voltage Control Operating at Fixed Switching Frequency of a Neutral-Point Clamped Converter. , 2019, , .   |     | 0         |
| 43 | Hybrid Transformers with Virtual Inertia for Future Distribution Networks. , 2019, , .  |     | 5         |
| 44 | Predictive-based Modulation Schemes for the Hybrid Modular Multilevel Converter. , 2019, , .  |     | 2         |
| 45 | A multilevel chain-link topology for low voltage, variable frequency applications. , 2019, , .  |     | 5         |
| 46 | Vector Control of a Modular Multilevel Matrix Converter Operating Over the Full Output-Frequency Range. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 5102-5114.           | 5.2 | 33        |
| 47 | A Control Algorithm Based on the Conservative Power Theory for Cooperative Sharing of Imbalances in Four-Wire Systems. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 5325-5339. | 5.4 | 31        |
| 48 | An Integrated Converter and Machine Control System for MMC-Based High-Power Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 2343-2354.                               | 5.2 | 33        |
| 49 | Enhanced Circulating-current Control for the Modular Multilevel Matrix Converter Based on Model Predictive Control. , 2019, , .   |     | 5         |
| 50 | Methodology for Microgrid/Smart Farm Systems: Case of Study Applied to Indigenous Mapuche Communities. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 89-105.               | 0.5 | 1         |
| 51 | Finite-Set Model-Predictive Control Strategies for a 3L-NPC Inverter Operating With Fixed Switching Frequency. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 3954-3965.    | 5.2 | 204       |
| 52 | Fast Delayed Signal Cancellation based PLL for unbalanced grid conditions. , 2018, , .  |     | 3         |
| 53 | Phase-Shifted Model Predictive Control of a Three-Level Active-NPC Converter. , 2018, , .   |     | 6         |
| 54 | Predictive Control Strategy for an Induction Machine fed by a 3L-NPC Converter with Fixed Switching Frequency and Improved Tracking Error. , 2018, , .                                      |     | 2         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Control of modular multilevel cascade converters for offshore wind energy generation and transmission. , 2018, , .   |     | 12        |
| 56 | 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        |
| 57 | An Enhanced $dq$ -Based Vector Control System for Modular Multilevel Converters Feeding Variable-Speed Drives. IEEE Transactions on Industrial Electronics, 2017, 64, 2620-2630.           | 5.2 | 62        |
| 58 | Guest Editorial Control and Grid Integration of MW-Range Wind and Solar Energy Conversion Systems. IEEE Transactions on Industrial Electronics, 2017, 64, 8786-8789.                       | 5.2 | 7         |
| 59 | Control of Wind Energy Conversion Systems Based on the Modular Multilevel Matrix Converter. IEEE Transactions on Industrial Electronics, 2017, 64, 8799-8810.                              | 5.2 | 94        |
| 60 | Permanent Magnet Synchronous Generator WECS based on a four-level double star converter. , 2017, , .   |     | 2         |
| 61 | A Simplified Space-Vector Modulation Algorithm for Four-Leg NPC Converters. IEEE Transactions on Power Electronics, 2017, 32, 8371-8380.   | 5.4 | 20        |
| 62 | Experimental Parameter Extraction in the Single-Diode Photovoltaic Model via a Reduced-Space Search. IEEE Transactions on Industrial Electronics, 2017, 64, 1468-1476.                     | 5.2 | 82        |
| 63 | A New Space-Vector-Modulation Algorithm for a Three-Level Four-Leg NPC Inverter. IEEE Transactions on Energy Conversion, 2017, 32, 23-35.  | 3.7 | 32        |
| 64 | Closed loop vector control of the modular multilevel matrix converter for equal input-output operating frequencies. , 2017, , .  |     | 3         |
| 65 | Control strategies for modular multilevel converters driving cage machines. , 2017, , .  |     | 3         |
| 66 | A solid state transformer based on a three-phase to single-phase Modular Multilevel Converter for power distribution networks. , 2017, , .   |     | 16        |
| 67 | A novel Capacitor Voltage Balancing strategy for Modular Multilevel Converters. , 2017, , .  |     | 2         |
| 68 | Active power angle droop control per phase for unbalanced 4-wire microgrids. , 2017, , .   |     | 8         |
| 69 | Modelling and control of the modular multilevel converter in back to back configuration for high power induction machine drives. , 2016, , .   |     | 16        |
| 70 | Modelling and control of the Modular Multilevel Matrix Converter and its application to Wind Energy Conversion Systems. , 2016, , .  |     | 25        |
| 71 | Vector control of an open-ended winding induction machine based on a two-output indirect matrix converter. EPE Journal (European Power Electronics and Drives Journal), 2016, 26, 104-112. | 0.7 | 1         |
| 72 | Active power oscillation elimination in 4-leg grid-connected converters under unbalanced network conditions. , 2016, , .   |     | 2         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | The application of the modular multilevel matrix converter in high-power wind turbines. , 2016, , .   |     | 8         |
| 74 | Improved control strategy of the modular multilevel converter for high power drive applications in low frequency operation. , 2016, , .   |     | 16        |
| 75 | Resonant control system for low-voltage ride-through in wind energy conversion systems. IET Power Electronics, 2016, 9, 1297-1305.  | 1.5 | 42        |
| 76 | Model Predictive Torque Control for Torque Ripple Compensation in Variable-Speed PMSMs. IEEE Transactions on Industrial Electronics, 2016, 63, 4584-4592.   | 5.2 | 108       |
| 77 | Particle-filtering-based estimation of maximum available power state in Lithium-Ion batteries. Applied Energy, 2016, 161, 349-363.  | 5.1 | 96        |
| 78 | Secondary Control Strategies for Frequency Restoration in Islanded Microgrids With Consideration of Communication Delays. IEEE Transactions on Smart Grid, 2016, 7, 1430-1441.                        | 6.2 | 254       |
| 79 | Resonant control system for a 7-leg back-to-back converter for interfacing variable speed generators to 4-wire loads. , 2015, , .   |     | 2         |
| 80 | Dual three-phase PMSG based wind energy conversion system using 9-switch dual converter. , 2015, , .  |     | 14        |
| 81 | Self-Tuning Resonant Control of a Seven-Leg Back-to-Back Converter for Interfacing Variable-Speed Generators to Four-Wire Loads. IEEE Transactions on Industrial Electronics, 2015, 62, 4618-4629.    | 5.2 | 23        |
| 82 | A novel LVRT control strategy for Modular Multilevel Matrix Converter based high-power Wind Energy Conversion Systems. , 2015, , .  |     | 22        |
| 83 | Model Predictive Control of Modular Multilevel Matrix Converter. , 2015, , .  |     | 19        |
| 84 | Balancing energy and low frequency operation of the Modular Multilevel Converter in Back to Back configuration. , 2015, , .   |     | 7         |
| 85 | Fast Convergence Delayed Signal Cancellation Method for Sequence Component Separation. IEEE Transactions on Power Delivery, 2015, 30, 2055-2057.  | 2.9 | 34        |
| 86 | Control of a Four-Leg Converter for the Operation of a DFIG Feeding Stand-Alone Unbalanced Loads. IEEE Transactions on Industrial Electronics, 2015, 62, 4630-4640.                                   | 5.2 | 36        |
| 87 | Fuzzy modelling for the state-of-charge estimation of lead-acid batteries. Journal of Power Sources, 2015, 274, 355-366.  | 4.0 | 89        |
| 88 | 3-Phase 4-wire matrix converter-based voltage sag/swell generator to test low-voltage ride through in wind energy conversion systems. IET Power Electronics, 2014, 7, 3116-3125.                      | 1.5 | 12        |
| 89 | Analysis of synchronous and stationary reference frame control strategies to fulfill LVRT requirements in Wind Energy Conversion Systems. , 2014, , .   |     | 10        |
| 90 | Dual current control strategy to fulfill LVRT requirements in WECS. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2014, 33, 1665-1677. | 0.5 | 4         |

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|-----|---|-----|-----------|
| 91  | 4-wire Matrix Converter based voltage sag/swell generator to test LVRT in renewable energy systems. , 2014, , .   |     | 1         |
| 92  | Control strategy of a dual-inverter system for an open-end winding induction machine based on indirect matrix converter. , 2014, , .                                    |     | 4         |
| 93  | Control of an open-end winding induction machine via a two-output indirect matrix converter. , 2014, , .  |     | 2         |
| 94  | Indirect matrix converter modulation strategies for open-end winding induction machine. IEEE Latin America Transactions, 2014, 12, 395-401.                             | 1.2 | 16        |
| 95  | Control of a wind generation system based on a Brushless Doubly-Fed Induction Generator fed by a matrix converter. Electric Power Systems Research, 2013, 103, 49-60.   | 2.1 | 29        |
| 96  | Switching strategies for an indirect matrix converter fed open-end load. , 2013, , .  |     | 7         |
| 97  | A Cascade Multilevel Frequency Changing Converter for High-Power Applications. IEEE Transactions on Industrial Electronics, 2013, 60, 2118-2130.                        | 5.2 | 42        |
| 98  | A repetitive control system for four-leg matrix converters feeding non-linear loads. Electric Power Systems Research, 2013, 104, 18-27.                                 | 2.1 | 17        |
| 99  | Current control and capacitor balancing for 4-leg NPC converters using finite set model predictive control. , 2013, , .   |     | 9         |
| 100 | Overview of control systems for the operation of DFIGs in wind energy applications. , 2013, , .   |     | 301       |
| 101 | 3D-SVM algorithm and capacitor voltage balancing in a 4-leg NPC converter operating under unbalanced and non-linear loads. , 2013, , .                                  |     | 5         |
| 102 | The application of resonant controller to fulfill LVRT requirements in grid connected VSI. , 2013, , .  |     | 1         |
| 103 | Introduction to the Special Section on Control and Grid Integration of Wind Energy Systems - Part II. IEEE Transactions on Industrial Electronics, 2013, 60, 2774-2775. | 5.2 | 7         |
| 104 | Overview of Control Systems for the Operation of DFIGs in Wind Energy Applications. IEEE Transactions on Industrial Electronics, 2013, 60, 2776-2798.                   | 5.2 | 576       |
| 105 | Introduction to the Special Section on Control and Grid Integration of Wind Energy Systemsâ€”Part I. IEEE Transactions on Industrial Electronics, 2013, 60, 2358-2359.  | 5.2 | 5         |
| 106 | Common mode voltage and zero sequence current reduction in an open-end load fed by a two output indirect matrix converter. , 2013, , .                                  |     | 8         |
| 107 | Matrix converter based Voltage Sag Generator to test LVRT capability in renewable energy systems. , 2013, , .   |     | 3         |
| 108 | Analysis and Experimental Validation of Control Systems for Four-Leg Matrix Converter Applications. IEEE Transactions on Industrial Electronics, 2012, 59, 141-153.     | 5.2 | 30        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 109 | 4-leg matrix converter interface for a variable-speed diesel generation system. , 2012, , .  |     | 4         |
| 110 | Design and experimental validation of a dual mode VSI control system for a micro-grid with multiple generators. , 2012, , .  |     | 3         |
| 111 | The Application of Resonant Controllers to Four-Leg Matrix Converters Feeding Unbalanced or Nonlinear Loads. IEEE Transactions on Power Electronics, 2012, 27, 1120-1129.                    | 5.4 | 63        |
| 112 | Control of a matrix converter for the operation of autonomous systems. Renewable Energy, 2012, 43, 343-353.  | 4.3 | 22        |
| 113 | Analytical and Experimental Evaluation of a WECS Based on a Cage Induction Generator Fed by a Matrix Converter. IEEE Transactions on Energy Conversion, 2011, 26, 204-215.                   | 3.7 | 39        |
| 114 | Control of a Doubly Fed Induction Generator via an Indirect Matrix Converter With Changing DC Voltage. IEEE Transactions on Industrial Electronics, 2011, 58, 4664-4674.                     | 5.2 | 79        |
| 115 | Overview of Multi-MW Wind Turbines and Wind Parks. IEEE Transactions on Industrial Electronics, 2011, 58, 1081-1095.   | 5.2 | 726       |
| 116 | Experimental Validation of a Space-Vector-Modulation Algorithm for Four-Leg Matrix Converters. IEEE Transactions on Industrial Electronics, 2011, 58, 1282-1293.                             | 5.2 | 57        |
| 117 | Resonant controllers for 4-leg matrix converters. , 2010, , .  |     | 9         |
| 118 | A space vector modulation algorithm for 4-leg matrix converters. , 2010, , .   |     | 5         |
| 119 | Control strategy for a Doubly-Fed Induction Generator feeding an unbalanced grid or stand-alone load. Electric Power Systems Research, 2009, 79, 355-364.                                    | 2.1 | 66        |
| 120 | Stability Analysis of a Wind Energy Conversion System Based on a Doubly Fed Induction Generator Fed by a Matrix Converter. IEEE Transactions on Industrial Electronics, 2009, 56, 4194-4206. | 5.2 | 111       |
| 121 | Control of the Reactive Power Supplied by a Matrix Converter. IEEE Transactions on Energy Conversion, 2009, 24, 301-303.   | 3.7 | 16        |
| 122 | Sensorless Control for a Switched Reluctance Wind Generator, Based on Current Slopes and Neural Networks. IEEE Transactions on Industrial Electronics, 2009, 56, 817-825.                    | 5.2 | 98        |
| 123 | Control of the Reactive Power Supplied by a WECS Based on an Induction Generator Fed by a Matrix Converter. IEEE Transactions on Industrial Electronics, 2009, 56, 429-438.                  | 5.2 | 112       |
| 124 | A Topology for Multiple Generation System With Doubly Fed Induction Machines and Indirect Matrix Converter. IEEE Transactions on Industrial Electronics, 2009, 56, 4181-4193.                | 5.2 | 71        |
| 125 | Sensorless Control of Doubly-Fed Induction Generators Using a Rotor-Current-Based MRAS Observer. IEEE Transactions on Industrial Electronics, 2008, 55, 330-339.                             | 5.2 | 219       |
| 126 | Windâ€™Diesel Generation Using Doubly Fed Induction Machines. IEEE Transactions on Energy Conversion, 2008, 23, 202-214.   | 3.7 | 118       |



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|-----|---|-----|-----------|
| 127 | MRAS Observers for Sensorless Control of Doubly-Fed Induction Generators. IEEE Transactions on Power Electronics, 2008, 23, 1075-1084.  | 5.4 | 189       |
| 128 | Reactive power capability of WECS based on matrix converter. Electronics Letters, 2008, 44, 674.  | 0.5 | 9         |
| 129 | Application of indirect matrix converters to variable speed doubly fed induction generators. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .  | 0.0 | 10        |
| 130 | Control System for Unbalanced Operation of Stand-Alone Doubly Fed Induction Generators. IEEE Transactions on Energy Conversion, 2007, 22, 544-545.  | 3.7 | 109       |
| 131 | Vector Control of Front-End Converters for Variable-Speed Wind Diesel Systems. IEEE Transactions on Industrial Electronics, 2006, 53, 1127-1136.  | 5.2 | 60        |
| 132 | Power Smoothing Using a Switched Reluctance Machine Driving a Flywheel. IEEE Transactions on Energy Conversion, 2006, 21, 294-295.  | 3.7 | 15        |
| 133 | Power Smoothing Using a Flywheel Driven by a Switched Reluctance Machine. IEEE Transactions on Industrial Electronics, 2006, 53, 1086-1093.   | 5.2 | 77        |
| 134 | Control of a Switched Reluctance Generator for Variable-Speed Wind Energy Applications. IEEE Transactions on Energy Conversion, 2005, 20, 781-791.  | 3.7 | 236       |
| 135 | MRAS Observer for Sensorless Control of Standalone Doubly Fed Induction Generators. IEEE Transactions on Energy Conversion, 2005, 20, 710-718.  | 3.7 | 233       |
| 136 | Rotor current based MRAS observer for doubly-fed induction machines. Electronics Letters, 2004, 40, 769.  | 0.5 | 27        |
| 137 | Sensorless Vector Control of Induction Machines for Variable-Speed Wind Energy Applications. IEEE Transactions on Energy Conversion, 2004, 19, 196-205.   | 3.7 | 244       |
| 138 | Power Smoothing in Wind Generation Systems Using a Sensorless Vector Controlled Induction Machine Driving a Flywheel. IEEE Transactions on Energy Conversion, 2004, 19, 206-216.                                    | 3.7 | 124       |
| 139 | Control Strategies for Power Smoothing Using a Flywheel Driven by a Sensorless Vector-Controlled Induction Machine Operating in a Wide Speed Range. IEEE Transactions on Industrial Electronics, 2004, 51, 603-614. | 5.2 | 95        |
| 140 | MRAS Observer for Doubly Fed Induction Machines. IEEE Transactions on Energy Conversion, 2004, 19, 467-468.   | 3.7 | 64        |
| 141 | Sensorless control strategy for power smoothing in wind-diesel applications. Electronics Letters, 2002, 38, 1402.   | 0.5 | 1         |
| 142 | Control strategies for enhanced power smoothing in wind energy systems using a flywheel driven by a vector-controlled induction machine. IEEE Transactions on Industrial Electronics, 2001, 48, 625-635.            | 5.2 | 108       |
| 143 | Control strategy for power smoothing using vector controlled induction machine and flywheel. Electronics Letters, 2000, 36, 765.  | 0.5 | 8         |
| 144 | Switched reluctance generators for wind energy applications. , 0, , .   |     | 71        |

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|-----|---|----|-----------|
| 145 | Vector controlled induction machines for stand-alone wind energy applications. , 0, , .                                     |    | 46        |
| 146 | A cage induction generator using back to back PWM converters for variable speed grid connected wind energy system. , 0, , . |    | 62        |
| 147 | Sensorless control of a doubly- fed induction generator for stand alone operation. , 0, , .                                 |    | 28        |