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Renewable Energy Source

DC Converters

DC Grid

Control strategies for wind energy conversion system

	All	Since 2015
Citations	271	270
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TITLE	CITED BY	YEAR
Recent developments of control strategies for wind energy conversion system R Tiwari, NR Babu Renewable and Sustainable Energy Reviews 66, 268-285	100	2016
Fuzzy logic based MPPT for permanent magnet synchronous generator in wind energy conversion system R Tiwari, NR Babu IFAC-PapersOnLine 49 (1), 462-467	54	2016
Coordinated control strategies for a permanent magnet synchronous generator based wind energy conversion system R Tiwari, S Padmanaban, RB Neelakandan Energies 10 (10), 1493	22	2017
Neural network based maximum power point tracking control with quadratic boost converter for PMSG—wind energy conversion system R Tiwari, K Krishnamurthy, RB Neelakandan, S Padmanaban, ... Electronics 7 (2), 20	18	2018
Comparative analysis of pitch angle controller strategies for PMSG based wind energy conversion system R Tiwari, NR Babu Int. J. Intell. Syst. Appl 9 (5), 62-73	17	2017
Comparison between pi controller and fuzzy logic-based control strategies for harmonic reduction in grid-integrated wind energy conversion system R Tiwari, NR Babu, R Arunkrishna, P Sanjeevikumar Advances in Smart Grid and Renewable Energy, 297-306	11	2018
Fuzzy logic-based pitch angle controller for PMSG-based wind energy conversion system R Tiwari, NR Babu, P Sanjeevikumar Advances in Smart Grid and Renewable Energy, 277-286	9	2018

TITLE	CITED BY	YEAR
Coordinated DTC and VOC control for PMSG based grid connected wind energy conversion system R Tiwari, NR Babu, S Padmanaban, L Martirano, P Siano 2017 IEEE International Conference on Environment and Electrical Engineering ...	9	2017
Coordinated MPPT and DPC strategies for PMSG based grid connected wind energy conversion system R Tiwari, K Kumar, NR Babu, KR Prabhu Energy Procedia 145, 339-344	6	2018
Analysis of MISO Super Lift Negative Output Luo Converter with MPPT for DC Grid Connected Hybrid PV/Wind System K Kumar, R Tiwari, NR Babu, KR Prabhu Energy Procedia 145, 345-350	5	2018
Design and development of a high step-up DC-DC Converter for non-conventional energy applications R Tiwari, S Saravanan, G Kumar, V Siwach 2016 Biennial International Conference on Power and Energy Systems: Towards ...	5	2016
Analysis of high voltage-gain hybrid DC-DC power converter with RBFN based MPPT for renewable photovoltaic applications K Kumar, R Tiwari, NR Babu, S Padmanaban, MS Bhaskar, ... 2017 IEEE Conference on Energy Conversion (CENCON), 294-299	4	2017
Integration and distribution of renewable sources in DC micro grid with energy storage system R Tiwari, MA Kumar Int. J. Innov. Res. Sci. Eng. Technol 3 (3)	4	2014
Photovoltaic array reconfiguration to extract maximum power under partially shaded conditions S Saravanan, RS Kumar, A Prakash, T Chinnadurai, R Tiwari, ... Distributed Energy Resources in Microgrids, 215-241	3	2019
Artificial neural network-based control strategies for PMSG-based grid connected wind energy conversion system R Tiwari, NR Babu International Journal of Materials and Product Technology 58 (4), 323-341	1	2019
A Study of DC–DC Converters with MPPT for Standalone Solar Water-Pumping System B Jana, S Dhandhukiya, R Tiwari, NR Babu Recent Developments in Machine Learning and Data Analytics, 373-381	1	2019

TITLE	CITED BY	YEAR
RBFN based maximum power point strategy with SEPIC converter for standalone PMSG based wind energy conversion system NRB Ramji Tiwari 2017 Innovations in Power and Advanced Computing Technologies (i-PACT), 1-6	1	2017
Power management in DC microgrid with distributed renewable energy generation R Tiwari, MA Kumar IJAIST 23 (23), 138-143	1	2014
Performance Evaluation of Photo Voltaic System with Quadratic Boost Converter Employing with MPPT Control Algorithms K Kumar, SK Rafi, R Tiwari, S Saravanan, P Pandiyan, N Prabaharan International Journal of Renewable Energy Research (IJRER) 10 (3), 1083-1091		2020
A PSOI based MPPT Technique for PV System under Dynamically Changing PSC YVP Santhan Kumar Ch, Sukanth T, Ramji Tiwari International Journal of Recent Technology and Engineering 8 (2S8), 1111-1117		2019