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Publications List

S. No.	Name of the Author	Title of the paper	Name of the Journal Publications	Publication Year
1.	N. Prabakaran, Z. Salam, C. Cecati K. Palanisamy	Design and Implementation of New Multilevel Inverter Topology for Trinary Sequence Using Unipolar Pulsewidth Modulation	IEEE Transactions on Industrial Electronics, vol. 67, no. 5, pp. 3573-3582	2020
2.	Amjed Hina Fathima, Kaliannan Palanisamy	Integration and energy management of a hybrid Li-VRB battery for renewable applications	Renewable Energy Focus, Volume 30, 2019, Pages 13-20.	2019
3.	Kumar G.V.B, Sarojini R.K, Palanisamy K, Padmanaban S, Holm-Nielsen J.B.	Large Scale Renewable Energy Integration: Issues and Solutions	Energies 2019	2019
4.	Rajagopal, R., Palanisamy K, Paramasivam, S	Shunt Active Filter Based on 7-Level Cascaded Multilevel Inverter for Harmonic and Reactive Power Compensation,	Journal of Electrical Engineering Technology (2019)	2019
5.	Natarajan Prabakaran, Pietro Elia Campana, Amalorpavaraj Rini ann Jerin, Kaliannan Palanisamy,	A new approach for grid integration of solar photovoltaic system with maximum power point tracking using multi-output converter,	Energy Procedia, Volume 159, 2019, Pages 521-526	2019

6.	Amalorpavaraj Rini Ann Jerin, Palanisamy Kaliannan , Umashankar Subramaniam Mohammed Shawky El Moursi	Review on FRT solutions for improving transient stability in DFIG-WTs	IET Renewable Power Generation	2018
7.	A Fathima, Kaliannan Palanisamy , Sanjeevikumar Padmanaban, Umashankar Subramaniam	Intelligence-Based Battery Management and Economic Analysis of an Optimized Dual-Vanadium Redox Battery (VRB) for a Wind-PV Hybrid System	Energies, 2018, 11,10, 2785-2804	2018
8.	Popavath, L.N, Kaliannan Palanisamy ,	Photovoltaic-STATCOM with Low Voltage Ride through Strategy and Power Quality Enhancement in a Grid Integrated Wind-PV System	Electronics 2018, 7, 51	2018
9.	Prabaharan, N, Arun, V, Chinnadurai, T, Arulkumar, K., Jerin, A.R.A, Kaliannan Palanisamy ,	Analysis of symmetric multilevel inverter using unipolar pulse width modulation for photovoltaic application	Comptes Rendus de L'Academie Bulgare des Sciences, 71 (2), pp. 252-260	2018
10.	Rini Ann Jerin, A, Thomas, M, Palanisamy, K , Umashankar, S	Enhancing low voltage ride through capability in utility grid connected single phase solar photovoltaic system.	Journal of Engineering Science and Technology, 13 (4), pp. 1016-1033.	2018
11.	Arulkumar, K., Vijayakumar, D., Kaliannan Palanisamy ,	Design of optimal LLCL filter with an improved control strategy for single phase grid connected PV inverter	International Journal of Power Electronics and Drive Systems, 9 (1), pp. 114-125	2018
12.	Popavath, L.N, Palanisamy K	A DSTATCOM for enhancement of power quality in distribution systems	International Journal of Pure and Applied Mathematics, 119 (12), pp. 363-373.	2018
13.	Prabaharan, N, Arun, V,	A new pulse width modulation technique with hybrid carrier arrangement for multilevel inverter	Lecture Notes in Electrical Engineering, 443, pp. 37-44	2018

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14.	Rameshkumar, K, Indragandhi, V, Sakthivel, A, Palanisamy K	FPGA implementation and analysis of model predictive current control for three-phase voltage source inverter	International Journal of Power Electronics, 9 (1), pp. 29-51	2018
15.	Karthigeyan, V, Aswin, M, Priyanka, L, Dileep Sailesh, K.N, Palanisamy, K.	A comparative study of lithium ion (LFP) to lead acid (VRLA) battery for use in telecom power system	6th International Conference on Computation of Power, Energy, Information and Communication, ICCPEIC 2017, 2018-January, pp. 742-748.	2018
16.	Rajagopal, Ragam, Kaliannan, Palanisamy, Paramasivam, Sathesh	A Technical Review on Control Strategies for Active Power Filters.	1-6. 10.1109/ICETIETR.2018.	2018
17.	Rini Ann A. Jerin, Palanisamy Kaliannan, Umashankar Subramaniam	Improved Fault Ride Through Capability in DFIG based Wind Turbines using Dynamic Voltage Restorer with Combined Feed-Forward and Feed-Back Control	IEEE Access	2017
18.	Rini Ann A. Jerin, Palanisamy Kaliannan Umashankar Subramaniam	Improved Fault Ride Through Capability of DFIG based Wind Turbines using Synchronous Reference Frame Control based Dynamic Voltage Restorer	ISA Transactions, pp - 465-474,	2017
19.	Rini Ann A. Jerin, Palanisamy Kaliannan, Umashankar Subramaniam	Testing of Low Voltage Ride Through Capability Compliance of Wind Turbines- A Review	International Journal of Ambient Energy, Pp: 1-20, 2017	2017
20.	Prabaharan, N, Palanisamy K	Analysis of cascaded H-bridge multilevel inverter configuration with double level circuit.	IET Power Electronics	2017
21.	Prabaharan, N, Palanisamy K	A comprehensive review on reduced switch multilevel inverter topologies, modulation techniques and applications	Renewable and Sustainable Energy Reviews, 76, pp. 1248-1282	2017
22.	Lakshman Naik, P, Palanisamy K	Design and performance of a PV-STATCOM for enhancement of power quality in micro grid	International Journal of Power Electronics and Drive Systems, 8 (3),	2017

		applications (2017)	pp. 1408-1415	
23.	Shrinath, K Paramasivam, S Palanisamy K	An intelligent self-tuning fuzzy logic controller for pitch angle control for a wind turbine fed induction generator	2017 Innovations in Power and Advanced Computing Technologies, i-PACT 2017, 2017-January, pp. 1-5	2017
24.	Prabaharan N, Palanisamy K	Analysis and integration of multilevel inverter configuration with boost converters in a photovoltaic system.	Energy Conversion and Management (2016); 128(C):327-342. DOI.:10.1016/ j.enconman. 2016. 09088.	2016
25.	Prabaharan N, Palanisamy K	Comparative analysis of symmetric and asymmetric reduced switch MLI topologies using unipolar pulse width modulation strategies.	IET Power Electronics (2016); DOI.:10.1049/iet-pel.2016.0283	2016
26.	N. Prabaharan, K. Palanisamy	A Single Phase Grid Connected Hybrid Multilevel Inverter for Interfacing Photo-voltaic System	Energy Procedia, Volume 103, December 2016, Pages 250-255, ISSN 1876-6102	2016
27.	N. Prabaharan, K. Palanisamy	Modeling and Analysis of a Quasi-linear Multilevel Inverter for Photovoltaic Application,	Energy Procedia, Volume 103, December 2016, Pages 256-261, ISSN 1876-6102	2016
28.	Rini Ann Jerin, A, Palanisamy, K, Umashankar, S, Thirumoorthy, A.D	Power quality improvement of grid connected wind farms through voltage restoration using dynamic voltage restorer	International Journal of Renewable Energy Research, 6 (1), pp. 53-60	2016
29.	K. Arulkumar, K, Palanisamy D, Vijayakumar	Recent Advances and Control Techniques in Grid Connected Pv System – A Review	International Journal of Renewable Energy Research, Vol.6,No.3,pp. 1037-1049,2016.	2016
30.	Rajesh, M., Kumar, P.V, Kaliannan Palanisamy, Umashankar, S, Meikandasivam, S, Paramasivam, S	Power quality analysis on academic and hostel buildings of educational institute - Part I (2016)	2016 International Conference on Energy Efficient Technologies for Sustainability, art. no. 7583882, pp. 932-941	2016

31.	Kumar Reddy, P.V, Rajesh, M., Palanisamy, K, Umashankar, S, Meikandasivam, S, Paramasivam, S.	Power quality survey and analysis at educational institution loads	Proceedings of IEEE International Conference on Circuit, Power and Computing Technologies, ICCPCT 2016, art. no. 7530238	2016
32.	Popavath, L.N, Palanisamy, K, Kothari, D.P.	Research and topology of shunt active filters for quality of power	Advances in Intelligent Systems and Computing, 433, pp. 167-180	2016
33.	Lakshman naik popavath, K Palanisamy,	A Dual Operation of PV-Statcom as Reactive Power Compensator and Active Power Injector in Grid Tie System: Power Quality, (2015)	International Journal of Renewable Energy Research, 5 (4), pp. 973-982	2015
34.	Hina Fathima, K. Palanisamy,	Optimized Sizing, Selection, and Economic Analysis of Battery Energy Storage for Grid-Connected Wind-PV Hybrid System,”	Modelling and Simulation in Engineering, vol. 2015, Article ID 713530, 1-16 pages, 2015. doi:10.1155/2015/713530	2015
35.	Meikandasivam, S, Vijayakumar, D, Palanisamy, K, Umashankar, S.	Performance of D-STATCOM and DVR on system voltage regulation by SVPWM technique	International Journal of Applied Engineering Research, 10 (10), pp. 9678-9881	2015
36.	A. Hina Fathima, K. Palanisamy,	Optimization in microgrids with hybrid energy systems – A review,	Renewable and Sustainable Energy Reviews, Volume 45, May 2015, Pages 431-446, ISSN 1364-0321	2015
37.	Prabaharan, N, Palanisamy, K	Investigation of single phase reduced switch count asymmetric Multilevel Inverter using Advanced Pulse Width Modulation Technique	International Journal of Renewable Energy Research, 5 (3), pp. 879-890.	2015
38.	Arulkumar, K, Vijayakumar, D, Palanisamy, K	Modeling and control strategy of three phase neutral point clamped multilevel PV inverter connected to the grid	Journal of Building Engineering, 3, pp. 195-202	2015
39.	Rini Ann Jerin, A, Jayakumar, J, Prabaharan, N,	Frequency control of a stand alone hybrid wind and solar based distributed generation system through an optimized energy storage	International Journal of Applied Engineering Research, 10 (10), art. no. A9982, pp. 9982-9988	2015

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40.	Prabaharan, N, Palanisamy, K, Rini Ann Jerin, A.	Asymmetric multilevel inverter structure with hybrid PWM strategy	International Journal of Applied Engineering Research, 10 (55), pp. 2672-2676	2015
41.	Arulkumar, K, Vijayakumar, D, Palanisamy, K.	Estimating future site of grid PV system with optimal shade analysis	International Journal of Renewable Energy Research, 5 (1), pp. 308-316.	2015
42.	Prabaharan, N, Fathima, A.Hina, Palanisamy, K.,	New hybrid multilevel inverter topology with reduced switch count using carrier based pulse width modulation technique	Energy Conversion IEEE Conference on , vol., no., pp.176-180, 19-20 Oct. 2015 doi: 10.1109/ CENCON. 2015.7409535	2015
43.	Fathima, A.Hina, Prabaharan, N, Palanisamy, K.	Sizing of a VRB battery based on max-min method of power dispatch in a wind-PV hybrid system in Energy Conversion	Energy Conversion IEEE Conference on , vol., no., pp.221-226, 19-20 Oct. 2015 doi: 10.1109/CENCON.2015.7409543	2015