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### **PUBLICATIONS**

- 1.** Nirav Patel, B.ChittiBabu, Nitin Gupta, “Photovoltaic System Operation as DSTATCOM for Power Quality Improvement Employing Active Current Control”, *IET Generation, Transmission & Distribution*, Vol. 14, Iss.17, Pp. 3518 –3529, September 2020 , (Impact factor: 2.9).
- 2.** AjayKumar, Nirav Patel ,**B.Chitti Babu**, Nitin Gupta, “Improved robust-mixed-norm-based controller for grid-tied PV systems under voltage disturbances”, *IET Generation, Transmission & Distribution*, Vol.14., Iss. 13, Pp.2610 –2619, July 2020.(Impact factor: 2.9).
- 3.** Nirav Patel, Ajay Kumar, **B.Chitti Babu**, Nitin Gupta, “An Optimized PI-4VPI Current Controller for Three-Phase Grid-integrated Photovoltaic Inverter under Grid Voltage Distortions”, *IET Renewable Power Generation*, Vol. 14, Iss. 5, pp. 779-792, April 2020, (**Impact factor: 3.9**).
- 4.** AsuthoshGiri ,Rakesh Maurya, Sabha Raj Arya, **B.Chitti Babu**, “Control of Voltage Source Converter for Enhancement of Power Quality in off-Grid Distributed Power Generation”, *IET Renewable Power Generation*, Vol. 14, Iss. 5, Pp.771 –778, April 2020,(**Impact factor: 3.9**).
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9. V.V.S.Kumar Bhajana, Pavel Drabek, Martin Jara, Atif Iqbal, **B.Chitti Babu**, “Investigation of a Bidirectional DC/DC Converter with ZVS Operation for Battery Interfaces”, *IET Power Electronics*, September 2020, **(Impact factor: 2.7)-In Press**.
10. Nirav Patel, Ajay Kumar, **B.Chitti Babu**, Nitin Gupta, “Pseudo Affine Projection Assisted Multitasking Approach for Power Quality Improvement in Grid-Interactive Photovoltaic (PV) System”, *IET Power Electronics*, June 2020, **(Impact factor: 2.7)-In Press**.
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12. Haricharan, **B.Chitti Babu**, Atanu Banerjee, “Control and Analysis of a 3-Level Diode-Clamped Split Source Inverter in the Applications of Grid-tied Photovoltaic Systems”, *Intr. Trans. on Electrical Energy Systems*, John-Wiley, July 2020, **(Impact factor: 1.7)–In Press**.
13. P.Sudheer, V.Sandeep, **B.Chitti Babu**, “Investigation of Different Loading Conditions on Parallel Inverter Interfaced Islanded AC Microgrid with Impact of Symmetrical Fault Recovery”, *Energy Sources, Part-A*, Taylor & Francis, Oct 2020, **(Impact factor: 1.2)**, In Press.

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- 15.** AsuthoshGiri ,Rakesh Maurya, Sabha Raj Arya, **B.Chitti Babu**, “Power Quality Solutions for Effective Utilization of Single Phase Induction Generator Using Voltage Source Converter”, ”, *Energy Sources, Part-A*, Taylor & Francis, May 2020(**Impact factor: 1.2**), **In Press**.
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