

JOURNALS

- J1. **Basu Kaushik**, Mohan Ned " A High Frequency link Single Stage PWM Inverter with Common-mode Voltage suppression and Source based Commutation of Leakage Energy", *IEEE Transactions Power Electronics*, 2014.
- J2. **Basu Kaushik**, Mohan Ned " A Single Stage Power Electronic Transformer for Three Phase PWM AC/AC Drive with Source based Commutation of Leakage Energy and Common-mode Voltage Suppression", *IEEE Transactions Industrial Electronics*, Early access, 2014.
- J3. **Basu Kaushik**, Asish Kumar Sahoo, V Chandrasekaran, Ned Mohan "Grid-Side AC line Filter Design of a Current Source Rectifier with Analytical Estimation of Input Current Ripple", *IEEE Transactions Power Electronics*, Early access, 2014.
- J4. **Basu Kaushik**, Shahani Arushi, Ashish Kumar Sahoo, Ned Mohan " A Single Stage Solid State Transformer for PWM AC Drive with Source based Commutation of Leakage Energy", *accepted for publication in IEEE Transactions Power Electronics*.
- J5. Baranwal Rohit, **Basu Kaushik**, Ned Mohan "Carrier based implementation of SVPWM for dual two level VSIs and dual matrix converters with zero common mode voltage", *accepted for publication in IEEE Transactions Power Electronics*.
- J6. Asish Kumar Sahoo, **Basu Kaushik**, Ned Mohan "Systematic Input Filter Design of Matrix Converter by Analytical Estimation of RMS Current Ripple", *accepted for publication in IEEE Transactions Industrial Electronics*.
- J7. Nathan D Wiese, Gysler Castellino, **Basu Kaushik**, Ned Mohan " A Single-Stage Dual-Active-Bridge-Based Soft Switched ACDC Converter With Open-Loop Power Factor Correction and Other Advanced Features", *IEEE Transactions Power Electronics*, 2014.
- J8. **Basu Kaushik**; Prasad J; Narayanan G; Krishnamurthy H.K; Ayyanar R; "Reduction of Torque Ripple in Induction Motor Drives Using an Advanced Hybrid PWM Technique", *IEEE Transactions Industrial Electronics*, June 2010.
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- J10. Krushna Keshab Mohapatra, Ranjan Gupta, Satish Thuta, Apurva Somani, Amod Umarikar, **Basu Kaushik**, Ned Mohan "New Research on AC-AC Converters without Intermediate Storage and Their Applications in Power-Electronic Transformers and AC Drives", *IEEE Transactions on Electrical and Electronic Engineering*, September 2009.

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- C2. Saurabh Tiwari, **Basu Kaushik**, Apurva Somani "Analytical evaluation of the Peak to Peak Ripple Current in the Filter Inductor for a Space Vector modulated Grid tied VSI", *PEDES 2014*.
- C3. Ashish Kumar Sahoo, Shahani Arushi, **Basu Kaushik** , Ned Mohan "LCL Filter Design for Grid-Connected Inverters by Analytical Estimation of PWM Ripple Voltage", *APEC 2014*.
- C4. Kartik Iyer; William P Robbins; **Basu Kaushik**; Mohan Ned "Transformer Winding Losses with Round Conductors for Duty-Cycle Regulated Square Waves.", *IPEC 2014*.
- C5. Kartik Iyer; **Basu Kaushik**; Mohan Ned; "Determination of optimal thickness of a multi-layer transformer.", *ECE-IEEE* September 2013. Cited by 3.

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- C7. Castelino Gysler; **Basu Kaushik**; Wiese Nathan; Mohan Ned; "A Bi-directional, Isolated, Single-Stage, DAB-based AC-DC converter with Open-loop Power Factor Correction and Other Advanced Features ", *ICIT-IEEE*, March 2012.
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