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His research interests include power semiconductor devices, the control of power electronic converters for renewable energy sources, and microgrids.

Paper ID : 91-Improving Microgrid Operation by Integrating Virtual Oscillator Control and Active Power Decoupling in Single-Phase Inverter.

Paper ID : 85-Control of a DC Microgrid Integrating a Single-Phase Inverter and a Dual Active Bridge Converter for EV Charging and V2G Operation