PROJET CODE	POWER SYSTEMS
CTPS1	A Low Capacitance Cascaded H-Bridge Multi-Level StatCom
CTPS2	A Novel STATCOM Based on Diode-clamped Modular Multilevel Converters
CTPS3	Advanced Voltage Support and Active Power Flow Control in Grid-Connected Converters under Unbalanced Conditions
CTPS4	An Improved Modulated Carrier Control with On-Time Doubler for Single-Phase Shunt Active Power Filter
CTPS5	Analysis and Control of M3C-Based UPQC for Power Quality Improvement in Medium/High-Voltage Power Grid
CTPS6	Analysis of Main Topologies of Shunt Active Power Filters Applied to Four-Wire Systems
CTPS7	Investigation of Negative-Sequence Injection Capability of Cascaded H-Bridge Converters in Star and Delta Configuration
CTPS8	High frequency resonance damping of DFIG based Wind Power system under weak network
CTPS9	A Voltage Regulator for Power Quality Improvement in Low-Voltage Distribution Grids
CTPS10	Performance Enhancement of Shunt Active Power filter using a Kalman Filter based H∞ Control Strategy
CTPS11	Single-Stage Three-Phase Grid-Tied PV System with Universal Filtering Capability Applied to DG Systems and AC Microgrids
CTPS12	Voltage Vector Error Fault Diagnosis for Open-Circuit Faults of Three-phase Four-Wire Active Power Filters
CTPS13	Adaptable Voltage Source Inverter for Grid Integration of Renewables with Enhanced Power Quality Capabilities
CTPS14	Current Harmonics from Single-Phase Grid-Connected Inverters – Examination and Suppression
CTPS15	Adaptive Neuro Fuzzy Inference System Least Mean Square Based Control Algorithm for DSTATCOM
CTPS16	Efficient Single Phase Transformerless Inverter for Grid-Tied PVG System With Reactive Power Control
CTPS17	Optimal Sizing of Single-Phase DC/AC Converter for Grid-Connected PV Applications
CTPS18	Grid connected dc distribution network deploying high Power density rectifier for dc voltage stabilization
CTPS19	The Benefits of SiC MOSFETs in a T-Type Inverter for Grid-Tie Applications
CTPS20	Real-time Implementation of a Three-phase THSeAF Based on VSC and P+R controller to Improve Power Quality of Weak Distribution Systems

CTPS21	A Synchronization Scheme for Single-Phase Grid-Tied Inverters under Harmonic Distortion and Grid Disturbances
CTPS22	Circulating Current Reduction for Three-Phase Back-to-Back Transformerless Inverter with SPWM Based D-Σ Digital Control
CTPS23	A Family of Five-Level Dual-Buck Full-bridge Inverters for Grid-tied Applications
CTPS24	Control strategy for Single-phase Transformerless Three-leg Unified Power Quality Conditioner Based on Space Vector Modulation
CTPS25	A Hybrid-STATCOM with Wide Compensation Range and Low DC-Link Voltage
CTPS26	Individual Phase Current Control Based on Optimal Zero Sequence Current Separation for aStar-Connected Cascade STATCOM under Unbalanced Conditions
CTPS27	Versatile Unified Power Quality Conditioner applied to three-phase-four-wire distribution systems using a dual control strategy
CTPS28	A Single-Stage Photovoltaic System for a Dual-Inverter-Fed Open-End Winding Induction Motor Drive for Pumping Applications
CTPS29	Decoupling of Fluctuating Power in Single-Phase Systems Through a Symmetrical Half-Bridge Circuit
CTPS30	High Step-Up Interleaved Forward-Flyback Boost Converter With Three-Winding Coupled Inductors