Dr.S.Moorthi

List of publications in last 5 years

TITLE	YEAR
Real time embedded system development for missile angular position acquisition through image processing M Sridharan, S Dhandapani CSI Transactions on ICT 8 (2), 257-261	2020
Design of photo-voltaic source fed efficient corridor lighting system in Green buildings D Sharma, S Sharma, S Paul, D Rawat, S Moorthi 2020 3rd International Conference on Emerging Technologies in Computer …	2020
<u>Design and Development of an Embedded Framework to test Soil for Urban Terrace Farming</u> PM Kumar, TGS Kumar, R Aravindhan, D Sairam, S Moorthi 2020 3rd International Conference on Emerging Technologies in Computer …	2020
Performance analysis of solar PV based DC optimizer distributed system with simplified MPPT method JG Moorthy, S Manual, S Moorthi, P Raja SN Applied Sciences 2 (2), 220	2020
Performance Evaluation of Wordlength Reduction Based Area and Power Efficient Approximate Multiplier for Mobile Multimedia Applications R Ramya, S Moorthi Circuits, Systems, and Signal Processing 38 (12), 5699-5716	2019
Frequency response masking based FIR filter using approximate multiplier for bio-medical applications R Ramya, S Moorthi Sādhanā 44 (11), 225	2019
A wide tunable fast settling 4-bit digitally controlled oscillator for reconfigurable multi-band RF applications S Aditya, M Sridharan Microelectronics Journal 92, 104608	2019
Universal Power Quality Conditioner (UnPQC) for enhancing the power quality in distribution system K Venkatraman, K Kumar, S Moorthi, MP Selvan Journal of Power Technologies 99 (3), 195-203	2019
Performance evaluation of FPGA-based predictive current controller for FL-DSTATCOM in electric distribution system A Dheepanchakkravarthy, MR Jawahar, K Venkatraman, MP Selvan, ... IET Generation, Transmission & Distribution 13 (19), 4400-4409	2019
Digitally tunable active inductor for RF-DCO applications S Aditya, S Moorthi International Journal of Electronics Letters, 1-10	2019
Alleviation of power quality issues caused by electric arc furnace load in power distribution system using 3-phase four-leg DSTATCOM A Dheepanchakkravarthy, MP Selvan, S Moorthi	2019

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Journal of The Institution of Engineers (India): Series B 100 (1), 9-22	
FPGA based Soc estimator and constant current charging/discharging controller for lead–acid battery P Dinesh, KK Teja, S Singh, MP Selvan, S Moorthi 2018 15th IEEE India Council International Conference (INDICON), 1-6	2018
Design and implementation of accuracy configurable multi-precision multiplier architecture for signal processing applications R Ramya, S Moorthi 2018 IEEE Recent Advances in Intelligent Computational Systems (RAICS), 89-93	2018
FPGA-based closed-loop monitoring and control of doubly fed induction generator with single inverter and battery for wind energy conversion KA Nikhil, P Bharath Chandra, MR Jawahar, S Moorthi, MP Selvan, ... Australian Journal of Electrical and Electronics Engineering 15 (4), 175-183	2018
Performance analysis of FPGA controlled four-leg DSTATCOM for multifarious load compensation in electric distribution system A Dheepanchakkravarthy, S Akhil, K Venkatraman, MP Selvan, S Moorthi Engineering science and technology, an international journal 21 (4), 692-703	2018
Wireless Monitoring, Control and Automation in Pulp and Paper Industry SP Jayasri, N Vyshnavi, S Moorthi 2017 14th IEEE India Council International Conference (INDICON), 1-5	2017
Predictive current control of DSTATCOM for VAR compensation of grid connected wind farms V Kandadai, SM Parvathy, M Sridharan, R Pitchaimuthu, D Kurup Journal of Renewable and Sustainable Energy 9 (2), 023301	2017
A comprehensive embedded solution for data acquisition and communication using FPGA V Kandadai, M Sridharan, SM Parvathy, R Pitchaimuthu Journal of applied research and technology 15 (1), 45-53	2017
Modelling and control of transformer-less universal power quality conditioner (tunpqc): An effective solution for power quality enhancement in distribution system K Venkatraman, S Moorthi, MP Selvan Journal of Control, Automation and Electrical Systems 28 (1), 123-134	2017
Journal of Applied Research and Technology V Kandadai, M Sridharan, SM Parvathy, R Pitchaimuthu	2017
Online condition monitoring and power management system for standalone micro-grid using FPGAs K Venkatraman, BD Reddy, MP Selvan, S Moorthi, N Kumaresan, ... IET Generation, Transmission & Distribution 10 (15), 3875-3884	2016
Capability evaluation of four-leg DSTATCOM for compensating multifarious loads A Dheepanchakkravarthy, K Venkatraman, MP Selvan, S Moorthi, ... Australian Journal of Electrical and Electronics Engineering 13 (4), 229-243	2016
Performance evaluation of FPGA-controlled DSTATCOM for load compensation V Kandadai, M Sridharan, SM Parvathy, R Pitchaimuthu, D Kurup Arabian Journal for Science and Engineering 41 (9), 3355-3367	2016

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Predictive current control of distribution static compensator for load compensation in distribution system K Venkatraman, MP Selvan, S Moorthi IET Generation, Transmission & Distribution 10 (10), 2410-2423	2016
FPGA based SHEPWM switching scheme for single phase cascaded H-bridge multi-level inverter MR Jawahar, VA Kumar, S Moorthi, MP Selvan 2016 IEEE 1st International Conference on Power Electronics, Intelligent …	2016
Modelling and simulation of the impact of SVC on existing distance relay for transmission line protection S Behera, P Raja, S Moorthi 2015 International Conference on Condition Assessment Techniques in …	2015
Self-adaptive differential relaying for power transformers using FPGA SD Kumar, P Raja, S Moorthi 2015 International Conference on Condition Assessment Techniques in …	2015
Design, operation, and control of S3 inverter for single-phase microgrid applications BD Reddy, MP Selvan, S Moorthi IEEE Transactions on Industrial Electronics 62 (9), 5569-5577	2015