Christopher Columbus Chinnappan

Professor

Power System Operation
Optimization Techniques
Parallel and Distributed Computing

	All	Since 2015
Citations	212	153
h-index	5	5
i10-index	5	5

TITLE	CITED BY	YEAR
Nodal ant colony optimization for solving profit based unit commitment problem for GENCOs CC Columbus, K Chandrasekaran, SP Simon Applied soft computing 12 (1), 145-160	73	2012
Profit based unit commitment: A parallel ABC approach using a workstation cluster CC Columbus, SP Simon Computers & Electrical Engineering 38 (3), 724-745	43	2012
Profit based unit commitment for GENCOs using parallel NACO in a distributed cluster CC Columbus, SP Simon Swarm and Evolutionary Computation 10, 41-58	38	2013
A parallel ABC for security constrained economic dispatch using shared memory model CC Columbus, SP Simon 2012 International Conference on Power, Signals, Controls and Computation, 1-6	23	2012
Web usage based analysis of web pages using rapidminer M Santhanakumar, CC Columbus Wseas Transactions On Computers 14	15	2015
Hybrid particle swarm approach for security constrained unit commitment CC Columbus, SP Simon 2012 International Conference on Computing, Electronics and Electrical …	5	2012
Multi term based co-term frequency method for term weighting in information retrieval M Santhanakumar, CC Columbus, K Jayapriya International Journal of Business Information Systems 28 (1), 79-94	3	2018
Optimal placement of cellular transceiver for transmission line monitoring using genetic algorithm C Jeyanthi, HH Sait, K Chandrasekaran, CC Columbus Asian Journal of Research in Social Sciences and Humanities 7 (1), 653-672	3	2017
Parallel hybrid enhanced inherited GA based scuc in a distributed cluster. CC Columbus, SP Simon Artif. Intell. Research 1 (1), 96-106	3	2012

TITLE	CITED BY	YEAR
A novel B* tree crossover-based simulated annealing algorithm for combinatorial optimization in VLSI fixed-outline floorplans M Shunmugathammal, CC Columbus, S Anand Circuits, Systems, and Signal Processing 39 (2), 900-918	2	2020
Performance analysis of empirical Fourier transform based power transformer differential protection SP Simon, MS Kumar, K Sundareswaran, CC Columbus 2016 IEEE International Conference on the Science of Electrical Engineering …	2	2016
A modified frequency based term weighting approach for information retrieval M Santhanakumar, CC Columbus Int. J. Chem. Sci 14 (1)	1	2016
NODAL-BASED ANT COLONY OPTIMIZATION FOR PROFIT MAXIMIZATION OF GENCOS IN A DISTRIBUTED CLUSTER MODEL CC Columbus, SP Simon Applied Artificial Intelligence 27 (2), 86-103	1	2013
Modeling and Simulation of a Dye Sensitized Solar Cell with Porous Aerogel Photoanode SC Ramesh, CC Columbus, XS Shajan Journal of Electrical Engineering & Technology, 1-6		2020
Experimental and Simulation Studies of Platinum-Free Counter Electrode Material for Titania Aerogel-Based Quasi-Solid Dye-Sensitized Solar Cell SC Ramesh, P Ramkumar, CC Columbus, XS Shajan IEEE Journal of Photovoltaics 10 (6), 1757-1761		2020
Multiscale-based multimodal image classification of brain tumor using deep learning method R Rajasree, CC Columbus, C Shilaja Neural Computing and Applications, 1-11		2020
Network traffic detection for peer-to-peer traffic matrices on bayesian network in WSN D Geepthi, CC Columbus Journal of Ambient Intelligence and Humanized Computing, 1-12		2020
A Communication Model Framework for Electric Transmission Line Monitoring Using Artificial Bee Colony Algorithm C Jeyanthi, HH Sait, K Chandrasekaran, CC Columbus Journal of Circuits, Systems and Computers 29 (04), 2050063		2020
A nature inspired optimization algorithm for VLSI fixed-outline floorplanning M Shunmugathammal, CC Columbus, S Anand Analog Integrated Circuits and Signal Processing, 1-14		2020
Swarm and Evolutionary Computation CC Columbus, SP Simon		2012