Dr.R.Arul

A new algorithm for combined dynamic economic emission dispatch with security constraints R Arul, S Velusami, G Ravi Energy 79, 496-511,2015

Solving economic load dispatch problems using chaotic self-adaptive differential harmony search algorithm

A Rajagopalan, V Sengoden, R Govindasamy International Transactions on Electrical Energy Systems 25 (5), 845-858,2015

A review of strategic charging—discharging control of grid-connected electric vehicles TU Solanke, VK Ramachandaramurthy, JY Yong, J Pasupuleti, ... Journal of Energy Storage 28, 101193,2020

A sociocultural study on solar photovoltaic energy system in India: Stratification and policy implication

K Padmanathan, U Govindarajan, VK Ramachandaramurthy, ... Journal of Cleaner Production 216, 461-481,2019

Application and assessment of internet of things toward the sustainability of energy systems: Challenges and issues

PK Khatua, VK Ramachandaramurthy, P Kasinathan, JY Yong, ... Sustainable Cities and Society 53, 101957,2020

Multi-objective economic emission dispatch using interior search algorithm N Karthik, AK Parvathy, R Arul International Transactions on Electrical Energy Systems 29 (1), e2683,2019

Non-convex economic load dispatch using cuckoo search algorithm

N Karthik, AK Parvathy, R Arul
Indonesian Journal of Electrical Engineering and Computer Science 5 (1), 48-57,2017

Chaotic self-adaptive interior search algorithm to solve combined economic emission dispatch problems with security constraints

A Rajagopalan, P Kasinathan, K Nagarajan, VK Ramachandaramurthy, ... International Transactions on Electrical Energy Systems 29 (8), e12026,2019

STRUCTURAL, MORPHOLOGICAL, OPTICAL AND ELECTRICAL PROPERTIES OF NICKEL SULPHIDE THIN FILMS

DI S.SURESH, S.S.R.SOLAYANAND, R.ARUL Chalcogenide Letters 13 (7), 291 – 299,2016 Conceptual Framework of Antecedents to Trends on Permanent Magnet Synchronous Generators for Wind Energy Conversion Systems

ASJB K. Padmanathan 1, N. Kamalakannan 1, P. Sanjeevikumar 2 ... energies 12 (13), 1-39,2019

Optimal operation of microgrids-a survey
N Karthik, AK Parvathy, R Arul
International Journal of Applied Power Engineering 7 (2), 179-185,2018

A review of optimal operation of microgrids N Karthik, AK Parvathy, R Arul Indonesian Journal of Electrical Engineering and Computer Science 14 (1), 1-8,2019

Modeling of wind turbine power curves using firefly algorithm N Karthik, R Arul, MJH Prasad Power electronics and renewable energy systems, 1407-1414,2015

Levy Interior Search Algorithm-Based Multi-objective Optimal Reactive Power Dispatch for Voltage Stability Enhancement

N Karthik, AK Parvathy, R Arul, K Padmanathan

Advances in Smart Grid Technology, 221-244,2020

Delicate Flower Pollination Algorithm for Optimal Power Flow S Dhivya, R Arul, K Padmanathan Advances in Smart Grid Technology, 275-289,2020

Multi-Objective Optimal Reactive Power Dispatch using Levy Interior Search Algorithm K Nagarajan, AK Parvathy, A Rajagopalan International Journal on Electrical Engineering and Informatics 12 (3), 547-570,2020

A review of optimal operation of microgrids.

N Karthik, AK Parvathy, R Arul
International Journal of Electrical & Computer Engineering (2088-8708) 10,2020

Voltage Stability Analysis in Medium-Voltage Distribution Networks Using a Second-Order Cone Approximation

OD Montoya, W Gil-González, A Arias-Londoño, A Rajagopalan, ... Energies 13 (21), 5717,2020

Optimal selection and location of fixed-step capacitor banks in distribution networks using a discrete version of the vortex search algorithm

W Gil-González, OD Montoya, A Rajagopalan, LF Grisales-Noreña, ... Energies 13 (18), 4914,2020

Development of charge and discharge controller for solar lighting system R Jayapragash, KN Kumar, G Thirumalvalavan, R Arul Computer-Aided Developments: Electronics and Communication, 275-281,2019

Economic load dispatch in a microgrid using Interior Search Algorithm

N Karthik, AK Parvathy, R Arul, R Jayapragash, S Narayanan

2019 Innovations in Power and Advanced Computing Technologies (i-PACT) 1, 1-6,2019

A review of optimization techniques applied to solve unit commitment problem in microgrid SB N.Karthik, A.K.Parvathy, R.Arul Indonesian Journal of Electrical Engineering and Computer Science 15 (3),2019

Firefly Algorithm Based Reactive Power Optimization

N Karthik, R Arul, AK Parvathy

International Journal of Applied Engineering Research 10 (77), 514 – 520,2015