

Niladri Chakraborty

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

337
citations

1163117

8
h-index

996975

15
g-index

51
all docs

51
docs citations

51
times ranked

334
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Optimal placement of different types of DG units considering various load models using novel multiobjective quasi-oppositional grey wolf optimizer. <i>Soft Computing</i> , 2021, 25, 4845-4864. | 3.6 | 16 |
| 2 | A dual mode wind turbine operation with hybrid energy storage system for electricity generation at constant voltage in an islanded microgrid. <i>International Journal of Energy Research</i> , 2021, 45, 18885-18902. | 4.5 | 6 |
| 3 | Optimal techno-economic analysis of a renewable based hybrid microgrid incorporating gravity energy storage system in Indian perspective using whale optimization algorithm. <i>International Transactions on Electrical Energy Systems</i> , 2021, 31, e13025. | 1.9 | 10 |
| 4 | A novel opposition-based tuned-chaotic differential evolution technique for techno-economic analysis by optimal placement of distributed generation. <i>Engineering Optimization</i> , 2020, 52, 303-324. | 2.6 | 30 |
| 5 | Generalized stochastic Petri nets for uncertain renewable-based hybrid generation and load in a microgrid system. <i>International Transactions on Electrical Energy Systems</i> , 2020, 30, e12195. | 1.9 | 6 |
| 6 | Hybrid SMES Based Reactive Power Dispatch by Cuckoo Search Algorithm. <i>IEEE Transactions on Industry Applications</i> , 2019, 55, 907-917. | 4.9 | 13 |
| 7 | Hybrid renewable energy-integrated Indian power system under availability-based tariff. <i>International Transactions on Electrical Energy Systems</i> , 2019, 29, e12162. | 1.9 | 3 |
| 8 | A cost-optimized power management strategy for combined wind thermal-pumped hydro generation considering wind power uncertainty. <i>International Transactions on Electrical Energy Systems</i> , 2019, 29, e12104. | 1.9 | 6 |
| 9 | A novel residual energy-based distributed clustering and routing approach for performance study of wireless sensor network. <i>International Journal of Communication Systems</i> , 2019, 32, e3921. | 2.5 | 15 |
| 10 | Cascaded cuckoo search optimization of router placement in signal attenuation minimization for a wireless sensor network in an indoor environment. <i>Engineering Optimization</i> , 2019, 51, 2127-2146. | 2.6 | 6 |
| 11 | An approach to quantify the applicability of DG placement techniques using Fault Tree Analysis. , 2018, , . | | 1 |
| 12 | Optimal Active and Reactive Power Dispatch for coordinated Wind Thermal Generation System. , 2018, , . | | 2 |
| 13 | Generalized Stochastic Petri Nets (GSPN) for Analysis of Microgrid under Uncertainties. , 2018, , . | | 1 |
| 14 | Cuckoo Search Algorithm Based Cost Minimization by Optimal DG and Capacitor Integration in Radial Distribution Systems. , 2018, , . | | 8 |
| 15 | A novel evolutionary technique based on electrolocation principle of elephant nose fish and shark: fish electrolocation optimization. <i>Soft Computing</i> , 2017, 21, 3827-3848. | 3.6 | 13 |
| 16 | Dynamic Economic Emission Dispatch using self-adaptive multivariate distribution based modified Real Coded Genetic Algorithm. , 2017, , . | | 5 |
| 17 | Placement of optimized number of wireless sensor nodes to design an efficient monitoring network. , 2017, , . | | 2 |
| 18 | Performance study of routing protocols for power data transfer in Wireless Sensor Network. , 2017, , . | | 0 |

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|----|---|-----|-----------|
| 19 | Reliability based multi-objective DG and capacitor allocation in radial distribution system. , 2016, , . | | 6 |
| 20 | Voltage profile improvement and congestion management using STATCOM and UPFC device. , 2016, , . | | 5 |
| 21 | Design of smart grid in an University Campus using ZigBee mesh networks. , 2016, , . | | 7 |
| 22 | Reliability enhancement in radial distribution system using Fish Electrolocation Optimization. , 2016, , . | | 2 |
| 23 | Hybrid SMES based reactive power dispatch by Cuckoo Search Algorithm. , 2016, , . | | 1 |
| 24 | Strategic Distributed Generator placements in distribution buses by indices based techniques. , 2016, , . | | 2 |
| 25 | Optimised use of nodes in Wireless Sensor Network: A novel approach to overcome the effect of interference. , 2016, , . | | 3 |
| 26 | Optimal reactive power dispatch involving SMES by Cuckoo search algorithm. , 2016, , . | | 0 |
| 27 | Effects of Unscheduled Interchange based secondary frequency control on tie line power of multi-area hybrid power system. , 2015, , . | | 2 |
| 28 | Imperialistic competition based short-term economic emission dispatch of hydrothermal power system with cascaded reservoirs. , 2015, , . | | 1 |
| 29 | Marginal price based shunt capacitor operation in a day ahead reactive power management by Cuckoo Search algorithm. , 2015, , . | | 1 |
| 30 | Automatic generation control of a hybrid power system in deregulated environment utilizing GA, DE and CA tuned PID controller. , 2015, , . | | 4 |
| 31 | Modified Differential Evolution based reactive power dispatch involving multilateral power transactions in deregulated power scenario. , 2015, , . | | 1 |
| 32 | Power loss minimization by optimal capacitor placement in radial distribution system using modified cultural algorithm. International Transactions on Electrical Energy Systems, 2015, 25, 54-71. | 1.9 | 45 |
| 33 | Unscheduled interchange (UI) price based secondary frequency control of an interconnected hybrid power system. , 2014, , . | | 8 |
| 34 | Temperature and humidity monitoring through wireless sensor network using shortest path algorithm. , 2014, , . | | 6 |
| 35 | Optimal model of hour-ahead power bidding in deregulation. , 2014, , . | | 0 |
| 36 | Impact of modified differential evolution strategy on reactive power dispatch problem. , 2014, , . | | 2 |

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|----|---|-----|-----------|
| 37 | Modification of Floyd-Warshall's algorithm for Shortest Path routing in wireless sensor networks. , 2014, , . | | 8 |
| 38 | Root Shoot Coordination Optimization (RSCO) for economic load dispatch. , 2014, , . | | 0 |
| 39 | Online monitoring of power data through wireless sensor network. , 2014, , . | | 0 |
| 40 | Cuckoo search algorithm based optimal reactive power dispatch. , 2014, , . | | 13 |
| 41 | Multiobjective optimal placement and sizing of SVC using cultural algorithm. , 2014, , . | | 1 |
| 42 | Constriction factor based particle swarm optimization for analyzing tuned reactive power dispatch. Frontiers in Energy, 2013, 7, 174-181. | 2.3 | 11 |
| 43 | Differential Evolution Technique with Random Localization for Tuned Reactive Power Dispatch Problem. Electric Power Components and Systems, 2013, 41, 500-518. | 1.8 | 7 |
| 44 | Cost Minimization of Power Delivery Systems by Optimal Power Generation from Distributed Energy Resources Using Real Valued Cultural Algorithm. International Journal of Energy Optimization and Engineering, 2013, 2, 44-61. | 0.6 | 5 |
| 45 | Modeling components of a DC coupled photovoltaic system with maximum power point tracking. , 2012, , . | | 1 |
| 46 | Economic analysis of a hybrid solar-fuel cell power delivery system using tuned genetic algorithm. Frontiers in Energy, 2012, 6, 12-20. | 2.3 | 2 |
| 47 | Reactive power generation minimization aspect in deregulatory power scenario using particle swarm optimization technique. , 2011, , . | | 2 |
| 48 | “Observations on Aerosol Optical Depth Over a Period of 3 Years at Kaikhali (22.022°N, 88.614°E) Inside a Special Mangrove Ecosystem” The Sundarbans Water, Air, and Soil Pollution, 2011, 215, 477-486. | 2.4 | 2 |
| 49 | Comparison of different variants of Differential Evolution applied to short-term economic generation scheduling of hydrothermal systems. , 2010, , . | | 4 |
| 50 | Profit maximization by optimal allocation of capacitor in radial distribution system using cultural algorithm. , 2010, , . | | 2 |
| 51 | Modelling of a downdraft biomass gasifier with finite rate kinetics in the reduction zone. International Journal of Energy Research, 2009, 33, 833-851. | 4.5 | 40 |